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June 15, 1998

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Mr. Greg Mott
Planning Director
City of Springfield
225 Fifth Street
Springfield, Oregon 97477

Re: Approval of the Springfield Local Wetlands Inventory

Dear Mr. Mott:

I am pleased to notify you that the Division of State Lands has approved your Local Wetlands Inventory (LWI). We appreciate your working so closely with our staff, and the wetland consultant to ensure that the inventory meets state LWI standards (OAR 141-86-180 to 240) and the city's needs.

Approval by the Division means that the LWI becomes a part of the Statewide Wetlands Inventory. The LWI forms the foundation for your wetland planning under Statewide Planning Goal 5. Also, the LWI must now be used in lieu of the National Wetlands Inventory for the Wetland Land Use Notification Process (ORS 227.350).

Division approval does not guarantee that the wetlands mapped for the inventory are the only regulated wetlands in the inventory area. There may be upland areas within the mapped wetland areas as well. However, after a thorough review, my staff is pleased with the quality of the LWI and comfortable that it incorporates most wetlands and waterways. Exact wetland boundaries have not been staked and surveyed, and there are inherent limitations in mapping accuracy. For these reasons, the Division advises that persons proposing ground alteration on parcels containing mapped wetlands first contact the Division or obtain a wetland boundary delineation by a qualified consultant and submit it to the Division for approval prior to the land alteration.

The final requirement for the inventory is for the city to notify property owners with wetlands mapped on their property within 120 days. To move forward with completion of the Goal 5 planning tasks will require completing a function and value assessment of the mapped wetlands next.

We are pleased the City of Springfield has conducted a thorough wetlands inventory and made wetland planning a high priority and we were pleased to provide the EPA pass-through funding for this work. We look forward to continuing to work with you and your staff on the Goal 5 wetland planning effort.

Respectfully,

Paul R. Cleary
Director

cc: Mel Oberst, City of Springfield
Mark Radabaugh, DLCD (enclosure)
Diane Butts, DLCD
Kevin O'Hara, DEA
Yvonne Vallette, EPA (enclosure)
Jim Goudzwaard & Chris Thoms, Corps of Engineers (enclosure)
John Marshall, FWS, Portland Field Office (enclosure)
Patty Snow, ODFW (enclosures)
Tom Rosetta, DEQ
Dennis Peters, FWS Regional Office
Patti Caswell, DSL (enclosure)

SpgfldLWIApprov.doc

CITY OF SPRINGFIELD
URBAN GROWTH BOUNDARY

COMPREHENSIVE WETLANDS INVENTORY

SUMMARY REPORT

Prepared for:

City of Springfield
Development Services
225 Fifth Street
Springfield, Oregon 97477
(503) 726-3759

Prepared by:

David Evans and Associates, Inc.
2828 SW Corbett Avenue
Portland, Oregon 97201

December 30, 1998

PREFACE

This report has been prepared for the City of Springfield and participating Technical Advisory Committee (TAC) agency representatives. The report was prepared as a periodic review task to update the Eugene-Springfield Metropolitan Area General Plan. The Springfield Local Wetland Inventory was conducted in general accord with the requirements of Oregon Statewide Planning Goal 5. Further work to assess the function and value of each identified wetland is required by the City to complete its Goal 5 planning responsibility. The consulting firm of David Evans and Associates was funded through an EPA pass-through grant to provide technical assistance in producing the Inventory.

Findings reported in this document are based on the information gathered in the field at the time of investigation, David Evans and Associates' (DEA) understanding of the *US Corps of Engineers Wetlands Delineation Manual* (1987); and DEA's understanding of federal, state, and local regulations governing wetlands and stream areas. The wetland boundaries and classifications described in this report represent DEA's best professional opinion based on the circumstances and site conditions at the time of our study. The inventory product is subject to compliance with Division of State Lands local wetland inventory standards (OAR 141-86-180 through 141-86-240.)

Mapping associated with this report is for planning purposes only. Mapped wetland boundaries are approximate and were not flagged on site or surveyed (unless noted as a delineation study). There may be unmapped wetlands subject to regulation. In all cases, actual field conditions determine wetland boundaries. If site alteration work is proposed, you are advised to contact the Oregon Division of State Lands or the U.S. Army Corps of Engineers to obtain information on necessary approvals and permits.

EXECUTIVE SUMMARY

The 1989 Oregon State Legislature authorized the DSL to develop a statewide wetlands inventory suitable for planning a regulatory purposes. Pursuant to ORS 196.674, DSL established LWI standards and guidelines. The purpose of an LWI is to locate, map, and classify wetlands by type (e.g. forested wetlands) over a relatively large geographic area. The approximate boundary of wetlands greater than 0.5 acre in size is identified through the inventory. An approved LWI will replace the National Wetlands inventory (NWI) maps and will be incorporated into the statewide wetland inventory.

In June of 1992, May of 1993, and again in April 1996, a Local Wetland Inventory (Inventory) was conducted by David Evans and Associates, Inc. within the urban growth boundary (UGB) of the City of Springfield and along Cedar Creek and Jasper Slough, in Lane County, Oregon. The UGB incorporates approximately 20 square miles (12,800 acres). The City limits represent approximately 13.5 square miles (8,600 acres) within the UGB.

Information was gathered from other regional inventories including the National Wetland Inventory [NWI], the Natural Resource Conservation Service (formally the US Soil Conservation Service [SCS]) and by previous Eugene-Springfield Metropolitan area studies; (Special Industrial Sites [SISS], Draft Natural Resource Special Study [NRSS], and the Springfield Industrial Lands Special Study [ILSS]). City staff mapped these inventories onto mylar overlays of aerial black and white photography at a scale of 1" = 400' (WAC Corporation, 1990). Infrared photography (1990), originally taken at a scale of 1:24,000 and later photo enlarged to a field scale of 1" = 400', was also supplied by the City to corroborate black and white aerial photography.

The infrared photography was scanned and then registered to the City's planimetric base maps (David Smith and Associates, 1990). Using the scanned images as backdrops behind the planimetric data (two foot contours, streams, curb lines, building footprints, etc.) and working hand-in-hand with DSL staff, each wetland was compared to DSL documents, field verified and then updated using the City's GIS equipment. Since the City of Springfield creates and updates tax lot by City surveyors using COGO (Coordinate Geometry) techniques based on the same geodetic control (David Evans and Associates, 1990) used to generate the planimetric data, this produced highly accurate delineations registered to the tax lot base.

This Inventory was conducted using the Level 2 Routine Determination Methods described in the *Corps of Engineers (Corps) Wetland Delineation Manual* developed by the Corps Environmental Laboratory (1987). Evidence of hydrophytic vegetation, hydric soils, and hydrology were examined by wetland ecologists in conducting the wetland determinations.

Only those sites where the property owner granted written or verbal approval for access were inspected

onsite. Where possible, properties where access was denied were inspected from adjacent parcels where access was granted, public right-of-ways, and aerial photo interpretation. It is possible that some wetlands exist within the UGB that do not appear in the inventory because access was denied and field verification was not possible. Findings of the field investigations resulted in the identification of 57 jurisdictional wetlands totaling 404.13 acres within the City of Springfield UGB, and 187.50 acres of other developed or created waters ("other waters").

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INTRODUCTION

A Comprehensive Wetlands Inventory was conducted for the City of Springfield to determine the presence, classification, approximate boundaries, and acreage of jurisdictional wetlands occurring within the Springfield urban growth boundary, Lane County, Oregon (Figure 1). The total area within the Springfield UGB is approximately 12,800 acres. For purposes of this Inventory, wetlands directly associated with the Willamette or McKenzie Rivers were excluded from this effort, unless identified by the City as areas of specific concern.

Site Description

The natural topography of the study area consists of flat areas, with steeper hill slopes along the south end of the UGB. The study area consists of commercial, industrial, and residential developed lands mixed mostly with open agricultural, riverine, and forested lands. The Springfield UGB lies within both the Willamette River and McKenzie River basins.

The City of Springfield has a population of approximately 50,000 and covers approximately 13.5 square miles east of Interstate 5 and the City of Eugene, Oregon. Springfield also has planning jurisdiction over 6.5 square miles within the UGB which lie outside of the City limits. This urbanizable area adds an additional thousand residents to the Springfield metropolitan area.

Many lineal miles of drainage ways and waterways are within Springfield's UGB. These lineal artificial watercourses have a significant impact upon the develop ability of Springfield's industrial lands. Over 90% of the sites evaluated under the Springfield Industrial Sites Study (600 acres) have some jurisdictional wetland constraints on development.

Purpose

The purpose of this Inventory is to: (1) determine the presence and extent of jurisdictional wetlands within the Springfield UGB; (2) classify these wetlands with respect to the US Fish and Wildlife Service's Classification System (Cowardin 1979); and, (3) to identify significant resource management implications with City staff and participating regulatory agencies. Once verified by these appropriate agencies, this local wetland inventory will allow the City of Springfield to assess potential resource conservation (under Goal 5 planning) and development opportunities.

METHODS

Preliminary Research

Reference information was reviewed to provide initial site information regarding potential of wetland occurrence, presence of streams or creeks, vegetation, soils, and hydrology. The sources include:

Lane County Soil Survey, USDA Soil Conservation Service (SCS), 1987

Eugene-Springfield Metropolitan Draft Natural Resources Special Study (NRSS),

Springfield Industrial Sites Study (SISS),

Eugene-Springfield Metropolitan Draft Industrial Lands Special Study (ILSS),

US Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI), 1988

1986 black and white aerial photography (WAC Corporation)

1990 infrared aerial photography (U.S. Army Corps of Engineers)

1990 Planimetric Base Maps (David Smith and Associates, 1990)

1990 Global Positioning System Control Points (David Evans and Associates, 1990)

Oregon Division of State Lands Correspondence/ Documents

Field Methods

The vegetation, soils, and hydrology of the site were examined according to the Routine Determination Methods described in the *Corps of Engineers Wetland Delineation Manual* developed by the Corps Environmental Laboratory (1987), as currently required by the Oregon Division of State Lands (DSL) wetlands inventory standards and guidelines.

In accordance with the manuals, data plots were located in areas of homogeneous vegetation, and all plant species observed were identified (Hitchcock and Cronquist 1973, Reed 1988). Vegetation was determined to be hydrophytic (adapted to anaerobic conditions) when over 50% of the dominant plant species had an indicator status of facultative (FAC), facultative wetland (FACW), or obligate wetland (OBL) (Reed 1988; Appendix D). In accordance with the methodology, soil pits were dug to a minimum of 18 inches, where possible, at all sampling plots, and were examined for the following indicators of hydric conditions: thick organic layers, gleying, and low soil chromas with or without mottling. Hydrology of the site was primarily evaluated through observation of surface water, soil saturation, groundwater level, and evidence of drainage patterns.

Areas in which hydrophytic vegetation, hydric soils, and where wetland hydrology was directly or indirectly observed were considered wetland. Where possible, sample plots within the wetlands were flagged with fluorescent red pin flags and labeled with coded wetland pit identifiers. The aerial extent of field mapped wetlands was calculated in AutoCAD when the wetlands were digitized from field maps onto the common mapping parcel database (Lane Council of Governments; LCOG) supplied by the City of Springfield.

INVESTIGATION FINDINGS

Wetland Determinations

DEA ecologists conducted field investigations on June 10, 11, 12, 22, and 23, 1992; on May 22 and 23, 1993, and again on April 24 and 25, 1996. Data from 209 data plots were analyzed and resulted in the identification of 58 jurisdictional wetlands within the study area (Figure 2). The wetland determination was based on the presence of dominant hydrophytic vegetation, hydric soil indicators, and evidence of positive wetland hydrology.

Wetland M1 is 4.94 acres and classified as riverine lower perennial (RLP). The creek is a tributary of the Cedar Creek located on the north end of the UGB continuing outside of the study area. Hydrology was directly observed, and soils were dark in color and contained many stones. Overstory dominant species include big leaf maple (*Acer macrophyllum*). The understory dominant species was trailing blackberry (*Rubus ursinus*) and common snowberry (*Symphoricarpos albus*). Herbaceous dominant species include willow weed (*Epilobium* sp.) and a meadow rue (*Thalictrum* sp.). Wetland/upland boundary delineations were made by topographic and vegetation characteristics consistent with top-of-bank (TOB) limits for this waterway.

Wetland M2 is 20.83 acres and classified as a palustrine emergent wetland (PEM). The wetland is located on industrial lands (Weyerhaeuser Company paper mill), and was formed as a result of past artificial diking for industrial sludge settlement ponds. Ponds have been recently drained (1991) and the dikes broken. No specific hydrology was present. Soils have been saturated with concentrated industrial sludge and were indeterminate as hydric soils. No overstory or understory was present. The herbaceous layer was dominated by beard-grass *(Polypogon monspeliensis),* pearly-everlasting *(Anaphalis margaritacea),* field mint *(Mentha arvensis),* common dandelion *(Taraxacum officinale),* and speedwell *(Veronica sp.).* Wetland/upland boundaries were primarily delineated by topographic and vegetative differences.

Wetland M3 is 2.73 acres and classified partially as palustrine forested (PFO) and partially as PEM. The wetland is at the foot of Potato Hill on the north side. Hydrology was directly observed in 1993. Soils were dark in color with mottles. The overstory consisted of Oregon ash *(Fraxinus latifolia)* and black cottonwood (*Populus trichocarpa*). No understory was present. In PEM areas, herbaceous dominant species included velvetgrass *(Holcus lanatus),* creeping buttercup *(Ranunculus repens),* tall fescue *(Festuca arundinacea),* red fescue *(E rubra),* and meadow foxtail *(Alopecurus pratensis).* Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M4 is 5.02 acres and classified as PEM. The site is an abandoned drive-in theater and was highly disturbed from past agricultural uses and grading for the drive-in operation. The surrounding area has recently been mowed for fire control. The site was drained to the south and west by deep drainage ditches. The wetland is roundish in shape and located in the southwest corner of the site. Sparse Oregon ash and big leaf maple trees were scatted through the site.
The herbaceous layer was dominated by tufted hair-grass *(Deschampsia cespitosa),* tall fescue, bulrush

(Scirpus sp.), camas *(Camassia quamash),* creeping buttercup, and gumweed *(Grindelia integrifolia).* Four individual plants of *Lomatium bradshawii were* observed on this site. Soils are dark in color with mottling, and some surface staining indicating the seasonal presence of surface water in depressions. Hydrology was directly observed in May, 1993. Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M5 is 9.13 acres and classified as PFO, palustrine scrub-shrub (PSS) and PEM. The wetland is located at the foot of Potato Hill (south of Main Street and north of Potato Hill). Hydrology was directly observed in May, 1993. Soils were dark in color with mottles. Overstory dominant species include Oregon ash and black cottonwood. Understory dominant include Himalayan blackberry *(Rubus discolor), rose (Rosa* sp.), and Douglas spirea *(Spiraea douglasii).* Dominant ground cover species included tufted-hair grass, big-leafed lupine *(Lupinus polyphyllus),* red fescue, meadow foxtail, soft rush, creeping buttercup, and sedge *(Carex* sp.). Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M6 is 4.05 acres and classified as PEM/PSS. There are several wetlands in this abandoned lot that were grouped together because of the closeness to each other and the highly disturbed history of this site. The wetlands are located in a disturbed field that contains the southern most section of the Q-Street Canal (an artificial canal) that runs through the center of the property in a north/south direction. This site has been disturbed from past agricultural and industrial uses. Direct hydrology was observed in the canal. Hydrology was assumed to be present in the small isolated wetland pockets based on hydrologic indicators, soils, and vegetation. Soils are dark in color and contained a lot of bark (from an historic mill and log deck) and rocks (from fill). A small forested upland is located on the northeast comer the property. A scrub-shrub habitat area is located on the west side in a filled log pond. The dominant species included willow, Oregon ash, Himalayan blackberry, common snowberry, Douglas spirea, red elderberry *(Sambucus racemosa),* meadow foxtail, velvet grass, sedge species *(Carex* sp.), field mint, tufted-hair grass, and Seouler's popcorn flower *(Plagiobothrys scouleri).* Wetland boundaries were determined using the methodology for disturbed sites. Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M7 is 0.2 acre and classified as PEM. The wetland is located east of Baldy View Lane. Hydrology was assumed based on hydrologic indictors, soils, and vegetation. Soils were not sampled. A trace of soft rush *(Juncus effusus)* was observed growing in the wetland. This wetland is a small isolated depression in the middle of a mint field. This is a agricultural wetland.

Wetland M8 is 0.21 acre, determined through off-site methods, and classified as PSS. The wetland is located on the west side of South 57th Street, north of Daisy Lane. Wetland boundaries were determined through use of black and white and infrared aerial photo interpretation.

Wetland M10 is 2.72 acres, determined partially through on-site methods and through off-site methods, and is classified as riverine intermittent (RIN). The wetland is located near the Springfield Memorial Cemetery. Where off-site methods were used, wetland boundaries were determined through use of black and white and infrared aerial photo interpretation.

Wetland M11 is 1.01 acre, determined through off-site methods, and classified as palustrine open water (POW). The wetland is located on the south side of Hayden Bridge Road. Wetland boundaries were

determined through use of black and white and infrared aerial photo interpretation.

Wetland M12 is 1.22 acres and classified as PEM. The wetland is an artificial canal located between residential subdivisions on the east and rural agricultural land on the west. Hydrology was directly observed in the canal. Soils were dark in color with mottles. There was no overstory or understory present. Ground dominant species included an unidentified mowed grass. Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M14 is 33.67 acres and classified as PEM/PFO. The wetland is located on the east end of Springfield's UGB, just north of Main Street. The site is been historically used as a pasture for cattle and sheep. Hydrology was directly observed in a excavated drainage that traverses the wetland. Property owners stated that there is a flow control device somewhere upstream that controls the amount of water flowing through the drainage. Direct hydrology was observed in the canal and the palustrine areas of the wetland in May, 1993. Soils were dark in color with mottles. Overstory dominant species included Oregon ash, black cottonwood, and cultivated apple *(Pyrus malus)*. Understory dominant species include Douglas spirea *(Spiraea douglasii)* and baldhip rose *(Rosa gymnocarpa)*. Ground cover dominant species included meadow foxtail, red fescue, creeping buttercup, soft rush, velvetgrass, and birds-foot trefoil *(Lotus corniculatus)*, Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M15 is 6.36 acres and classified as PEM. The site is in a grazed pasture. No understory or overstory were present. Herbaceous dominant species include tapered rush *(Juncus acuminatus)* and tall fescue. Soils were dark in color with mottles. Hydrology was assumed based on hydrologic indictors, soils, and vegetation. Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M16 is 7.87 acres and classified as PFO/POW/RLP/PEM. This wetland is called Irving Slough. The overstory in the forested areas was dominated by Oregon ash, black cottonwood, and big leaf maple. The understory dominant species included trailing blackberry, Himalayan blackberry, and willow. Ground cover dominant species included reed canary grass *(Phalaris arundinacea)*, common plantain *(Plantago major)*, soft rush and meadow foxtail. Soils were dark in color and mottled. Hydrology was observed in May, 1993. The majority of the drainage has been excavated to create a well defined channel, and the limits in these areas are the top of the bank. The natural flow of this drainage has been altered: the area drains to the west from tax lot 20 1, and from tax lot 400 it drains to the southeast. Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland Ml7 is 3.15 acres and classified as PEM. The wetland is located west of an abandoned drive-in theater. The wetland is elongate in shape and has a drainage ditch that has been excavated diagonally through the area and drains into a culvert on the north end. Some fill has been placed on the site. No dominant overstory or understory was present. The ground layer was dominated by tufted hair-grass, red fescue, common horsetail, creeping buttercup, bentgrass *(Agrostis* sp.), Seouler's popcorn flower, and meadow foxtail. Soils were dark in color with mottles. Hydrology was directly observed in May, 1993. Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M18 is 40.54 acres, determined through off-site methods, and classified as POW/PSS. The wetland is located adjacent to the McKenzie River. Wetland boundaries were determined through use of black and white and infrared aerial photo interpretation. DSL has performed an on-site determination of this site.

Wetland M19 is .69 acre and classified as PFO. The wetland is located north of Main Street and west of a recently developed subdivision. Hydrology was assumed based on hydrologic indictors, soils, and vegetation. Soils were dark in color. The overstory was dominated by Oregon ash. No understory was present. Ground cover included tall fescue, meadow foxtail, and sedge *(Carex* sp.). Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M20 is .52 acres and classified as RLP. The wetland is located adjacent to Maple Island Slough, a tributary of the McKenzie River, on the northwest end of Springfield's UGB. The surrounding land was planted with mint *(Mentha* sp.) fields and filbert orchards. Direct hydrology was observed in the canal where on-site evaluation was conducted. Soils were dark in color with mottles. Willow and Himalayan blackberries lined the banks of the creek with reed canary grass and velvetgrass dominating the bottom of the canal. Wetland limits are contained within the well defined banks. Water has been impounded by roads. Where off-site determination was necessary on the western portion, wetland boundaries were determined through use of black and white and infrared aerial photo interpretation.

Wetland M21 is .39 acre and classified as PEM. The wetland is located in a former river bed. Specific hydrology was observed, soils were saturated at 3 inches subsurface and were very dark brown in color with faint mottles present. No overstory or understory was present. Ground layer dominant species included reed canary-grass and curly dock *(Rumen crisps).* Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M22 is 0. 1 acre and classified as PEM. The site is located north of Marcola Road in a pasture. No overstory or understory were observed on this site. Ground cover dominants included velvet grass, creeping spike sedge *(Eleocharis palustris),* red clover *(Trifolium repens), yellow-weed (Parentucellia vicosa),* and woodrush *(Luzula parviflora).* Soils were dark in color with mottles. Hydrology was assumed based on hydrologic indictors, soils, and vegetation. Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M23 is .19 acre and classified as PEM. The site is located south of Olympic and west of 28th Avenue. This wetland is located behind the remaining foundation of a house.
A few Oregon ash trees were in the area.. No understory was observed on this site. The ground cover was dominated by bulrush *(Scirpus* sp.). Soils were dark in color and mottled. Hydrology was assumed based on hydrologic indictors, soils, and vegetation. Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M24 is .76 acre and classified as PEM. The wetland is located in an abandoned field north of the Mohawk shopping center grocery store. Hydrology was assumed based on indicators such as the presence of hydric soils and drainage scars. Soils were dark in color. Part of the wetland boundaries were determined on-site, part were determined off-site. A few Oregon ash lined the south end of the drainage and a trace of Scot's broom *(Cytisus scoparius)* was also observed. There was scarce ground cover, but the species observed included velvetgrass, meadow foxtail, and soft rush. Wetland/upland

boundaries were determined where the vegetation changed and there were no indicators of hydrology. Note that the determination was done both on-site and off-site.

Wetland M25 is 24.0 acres and classified as PEM. This wetland is called Q Street ditch. This wetland is an artificially created wetland that runs along the south side of Q Street. Direct hydrology was observed. Soils were dark in color and contained several stones and rocks. A few big leaf maples, western crabapples, Douglas spirea, and Himalayan blackberries are growing on the banks. Herbaceous dominant species include common cattail *(Typha latifolia), field* mint, and reed canary grass. Parts of the Q Street ditched are lined with cement or rip-rapped. The wetland is well contained within the banks.

Wetland M26 is 1.85 acres and classified as PFO/PEM/PSS. The wetland is located mostly in a park. Hydrology was directly observed in May, 1993. Soils were dark in color. Dominant overstory species was Oregon ash. Understory dominant species include Douglas spirea, Indian plum *(Oemleria cerasoformis),* and rose *(Rosa* sp.). Herbaceous dominants include reed canary grass, soft rush, Dewey's sedge *(Carex deweana), cleavers (Galium aparine), common* horsetail, and Canada thistle. Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M27 is 8.28 acres and classified as PEM/PFO. The wetland is in a stream channel originating on the north side of Highway 126 on-ramp to Interstate 5 (I-5) and continues along the east side of 1-5 to N. 2nd Street where it makes a 45 degree turn to the east. Direct hydrology was observed. Soils were dark in color. Overstory species were found only along Highway 126 and 1-5 and include Oregon ash and willow. Douglas spirea was present in the understory. Herbaceous dominant species include reed canary grass, common cattail, slough sedge, meadow foxtail, and red fescue. The wetland limits were well contained within the banks. Wetland/upland boundary delineations were made by topographic and vegetation characteristics.

Wetland M28 is 1.51 acres and classified as PEM. The wetland is the Corps of Engineers' wetland mitigation project for the Gateway Mall . Ponding was present in the ditch from commercial and highway runoff. No overstory or understory were present. Herbaceous dominants were Canada thistle, reed canary-grass, common cattail, and velvetgrass. Wetland/upland boundary delineations were made by topographic and vegetation characteristics.

Wetland M29 is 1.08 acres, and classified as PFO/PEM. The wetland is located north of Booth Kelly Road. Run-off is impounded onto the site by Booth Kelly Road. Hydrology was directly observed, and soils were dark in color. The overstory consisted of willows and Oregon ash, and the understory was dominated by Himalayan blackberry. The ground was covered with red fescue. Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M30 was originally mapped at 6.49 acres (currently mapped at 6.49 acres) and classified as PFO/PEM/POW. Upon a follow-up site visit by DSL in May 1993, the wetland vegetative community in the western part was observed by DSL staff to be broader than initially mapped. The new owner of the western portion of M30 did not grant permission for a site evaluation, thus final determination of the wetland boundaries has not been made in this area. The wetland is located west of Potato Hill. The wetland is predominantly forested on the east side, and a pasture containing a ditch and farm pond is on the west side. Hydrology was directly observed in the farm pond and in the forested area by a spring on

the hillside. Water coming out of the spring flows downhill into a forested wetland shelf. Soils were dark in color with mottles. Overstory dominant specie was Oregon ash. There was a sparse understory, but a thick ground cover of meadow foxtail, velvetgrass, red fescue, slough sedge, and stinging nettle *(Urtica dioica)*. An abundance of Camas (*camana quamash*) was also observed by DSL and City staff. Wetland/upland boundaries were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M31 is 8.06 acres and classified as POW. The wetland is located in industrial lands which abut the continuation of the Irving Slough. Hydrology was observed in the pond. Wetland boundaries were determined at the high water mark.

Wetland M32 is 3.39 acres and classified as PEM. The wetland is located west of North 31st Street. The wetland is a deeply incised ditch with sparse emergent vegetation. It was man excavated to drain the agricultural fields. Wetland boundaries are contained within the well defined banks. DSL and the Army Corps of Engineers (ACOE) have claimed that this is not a jurisdictional wetland.

Wetland M33 is 139.83 acres and is classified as POW/PSS/RLP. The wetland is located south of Highway 126, and north of the Weyerhaeuser warehouse. This is a composite wetland that includes the Weyerhaeuser log ponds. These are well incised ponds that are vegetated with blackberries and horsetail along the banks. They are connected to the McKenzie River via a slough. Wetland boundaries determinations were made at the top-of-bank.

Wetland M34 is .08 acre and is classified as PFO. This small wetland is located northeast of Booth Kelly Road and is a small isolated ash grove in an abandoned lot located behind two residential subdivisions. Lawn debris from these subdivisions has been dumped onto the lot. The wetland is vegetated with Oregon ash, baldhip rose, carnas, and bentgrass. The wetland limits were determined where the vegetation changed and there were no indicators of hydrology.

Wetland M35 is 5.62 acres and is classified as PEM. It is located at the foot of Potato Hill. Part of this wetland was determined on-site, and part was determined off-site because property owner access was not granted. The majority of this wetland is part of residential backyards. This dominant vegetation includes Oregon ash, meadow foxtail, red fescue, creeping buttercup, and field mint. Hydrology was directly observed, and soils were a dark color with mottles. The wetland limits were determined where the vegetation changed and there were no longer indicators of hydrology.

Wetland M36 is .75 acre and is classified as PEM. It is located at the foot of Potato Hill. The majority of this wetland is part of residential backyards. Hydrology was directly observed. The wetland limits were determined where the vegetation changed and there were no longer indicators of hydrology.

Wetland M37 is 0.4 acre and is classified as PEM. It is located on the east side of Potato Hill. This wetland is a drainage in a pasture that empties into a culvert on the north end. Hydrology was directly observed. The wetland limits were determined where the vegetation changed and there were no longer indicators of hydrology.

Wetland M38 is .08 acre and is classified as PEM/PFO. It is located at the foot of Potato Hill. This wetland is between a residential subdivision on the west and a driveway on the east. A ditch as been

excavated parallel to the driveway to collect runoff from Potato Hill and the bordering subdivision. The ditch is forested with black cottonwood, Oregon ash, Himalayan blackberry, reed canary grass, red fescue, and creeping buttercup. Hydrology was directly observed. The majority of this wetland is part of residential sideyards and the emergent areas are regularly mowed. The wetland limits were determined where the vegetation changed and there were no longer indicators of hydrology.

Wetland M39 is 1.88 acres and is classified as PEM. It is located on the northeast quadrant of the Main Street and NE 69th Avenue intersection. This wetland is a braided drainage within a grass pasture/field that empties into culverts on NE 69th Avenue. Prior land use has created incised ditches which cross the site to lead additional flow into the roadside drainage's. Standing water was directly observed in depressional areas or the incised drainage's. The wetland limits were determined where the vegetation changed and there were no longer indicators of hydrology.

Wetland M40 is 16.51 acres and classified as RLP. This riverine system includes the main Cedar Creek course and associated drainage's/braids. Most of the system has been channelized by adjacent agricultural and residential land use. Wetland boundaries were determined onsite where the vegetation changed and there were no longer indicators of hydrology. Wetland limits are TOB.

Wetland W1 is 4.14 acres, determined through off-site methods, and classified as RLP. This riverine system includes the lower reach of the Mill Race. Wetland boundaries were determined through use of black and white and infrared aerial photo interpretation and are limited to TOB.

Wetland W2 is 3.72 acres and classified as PEM. The site is a large pasture which contains a ephemeral wet area under moderate grazing pressure and has been partially filled. No understory or overstory was present. Herbaceous dominant species include field mint and meadow foxtail. Soils were dark in color and mottled. Hydrology was directly observed. The wetland limits were determined where the vegetation changed and there were no longer indicators of hydrology.

Wetland W3 is 10.03 acres and classified as PFO/PEM/POW. The wetland is known as Jasper Slough. Approximately 1.0 acre of the slough is actually located within the UGB. The overstory is dominated by Oregon ash and willow. The understory dominants include evergreen blackberry *(Rubus laciniatus)* and Douglas spirea. Herbaceous dominant species include Oregon iris *(Iris tenax)* reed canary grass, water lentil *(Lemna minor),* and blue bindweed *(Solanum dulcamara).* Soils were dark in color with mottles. Hydrology was assumed based on hydrologic indicators, soils, and vegetation. Section of the slough have been dewatered, while others are naturally perennially wet. Wetland/upland boundary delineations were made by topographic characteristics, and where the vegetation changed and there were no longer indicators of hydrology.

Wetland W4 is 0.97 acre and classified as PFO/PEM. The site is adjacent to the Middle Fork Willamette River in the southern end of Dorris Ranch. The overstory is dominated by black cotton wood. The understory dominant specie was evergreen blackberry. Herbaceous dominants include reed canary grass, slough sedge, and spike rush. Soils were dark in color with mottles. Hydrology was assumed based on hydrologic indicators, soils, and vegetation. The wetland limits were determined where the vegetation changed and there were no longer indicators of hydrology.

Wetland W5 is 5.6 acres and classified as POW/PFO/PEM. The site is located east of Harbor Drive and

south of Dorris Street on the Dorris Ranch. The overstory is dominated by red-osier dogwood and Oregon ash. The understory dominant species include common snowberry and willow. Herbaceous dominant species include American speedwell *(Veronica americana),* Dewey's sedge, cow parsnip *(Heracleum lanatum),* blue bindweed, and Pacific water-parsley. Soils were dark in color with mottles. This wetland contains a pond connected to a forested wetland corridor that is isolated from the Willamette River by development. Hydrology was directly observed in the pond, and hydrology was reconfirmed in the forested area in May 1993. The wetland limits were determined where the vegetation changed and there were no longer indicators of hydrology.

Wetland W6 is 5.63 acres and classified as PFO. The site is adjacent to the Springfield sheriff s pistol range. Ponding occurs within this wetland from blocked drainage's created by the access road. Overstory dominant species include Oregon ash, Oregon white oak *(Quercus garryana),* and big leaf maple. Understory dominant was willow *(Salix* sp.). Herbaceous dominants were yellow flag iris *(Iris pseudoacorus),* spreading rush *(Juncus patens),* and marsh horsetail *(Equisetum arvense).* Soils were dark in color with mottles.
Seasonal hydrology was indicated by the dominance of hydrophytic vegetation and presence of surface water in depressions. The wetland limits were determined where the vegetation changed and there were no longer indicators of hydrology.

Wetland W7 is 36.02 acres, determined through off-site methods, and classified as POW. The wetland is the portion of the Mill Race that has been widened to create a log pond for a mill. Wetland boundaries were determined through use of black and white and infrared aerial photo interpretation.

Wetland W8 is 1.22 acres, determined through off-site methods, and classified as POW. The wetland is located along the Mill Race. Wetland boundaries were determined through use of black and white and infrared aerial photo interpretation.

Wetland W9 is 0.22 acre and classified as PEM. The site is a pasture that has been partially filled. The overstory is dominated by black hawthorne *(Crataegus douglasii).* The dominant understory species is evergreen blackberry. The herbaceous dominant species is spreading bentgrass, common cattail, and dotted smartweed *(Polygonum punctatum).* Soils were dark in color and gleyed. Hydrology was assumed based on hydrologic indictors, soils, and vegetation. The wetland limits were determined where the vegetation changed and there were no longer indicators of hydrology.

Wetland W10 is 2.25 acres and classified as PSS. The wetland is the Mill Race and connects with the Willamette River. This section of the Mill Race has been heavily disturbed from development along both sides. Some sections of the banks have been rip-rapped. Overstory dominant species include black cottonwood and willow. Himalayan blackberry and reed canary grass line the banks of the slough. The soils were dark brown and saturated. Standing water was observed in the Mill Race. Very well defined banks. wetland limits are well contained within the banks.

Wetland W11 is .7 acres and classified as PFO. Undisturbed forested park setting.

Wetland W12 is 1.42 acres and classified as PFO. This wetland is located in Island Park in a relatively undisturbed forested area adjacent to the McKenzie River. Overstory dominant specie is big leaf maple. Sword fern occurs in the understory along the forested western portion of the banks. The herbaceous

layer is dominated by slough sedge. The soils were dark with mottles and saturated. The wetland limits were determined where the vegetation changed and there were no longer indicators of hydrology.

Wetland W13 is 2.24 acres and classified as PFO. This wetland is the Patterson Slough which is located in a relatively undisturbed area adjacent to the Willamette River. Hydrology was directly observed. The soils here were dark in color and saturated. Overstory dominant species include big leaf maple and black cottonwood. trailing blackberry and common snowberry dominates the understory along the forested the banks. The herbaceous layer is dominated by meadow-rue. The wetland limits were determined where the vegetation changed and there were no longer indicators of hydrology.

Wetland W14 is 1.04 acres and classified as PEM. The wetland is located west of Prescott Lane, in a highly disturbed field that was formally used for agricultural purposes. The wetland is dominated by Douglas spirea, Himalayan blackberry, rose, trailing blackberry, tall fescue, meadow foxtail, bluegrass species, reed canary grass, velvetgrass, and cleavers. Soils were dark in color with mottles. Hydrology was directly observed in May 1993. The wetland limits were determined where the vegetation changed and there were no longer indicators of hydrology.

Wetland W15 is .79 acre and classified as PFO. This is an isolated pocket in an undisturbed riparian swale along the Willamette River. Overstory included red alder *(Alnus rubra)* and black cottonwood. The understory is dominated by trailing blackberry. The dominant ground cover included slough sedge and velvetgrass. The wetland limits were determined where the vegetation changed and there were no longer indicators of hydrology.

Wetland W16 is 1.46 acre and classified as PFO. This is a seasonal forested drainage north of Dorris Ranch, that runs along property boundaries downhill to the Willamette River. Part of the wetland limits were determined on-site and part were determined off-site using infra-red aerial photographs. The dominant vegetation along the swale was Oregon ash, rose, camas, meadow foxtail, and red fescue. The wetland limits were determined at the boundary of the relatively incised swale where the vegetation changed and there were no longer indicators of hydrology.

Wetland W17 is 8.35 acres and classified as RLP. This is an extensive riparian/wetland slough (Jasper Slough) drainage connecting the Mill Race to the Willamette River. The dominant vegetation along the wetland/riparian corridor was black cottonwood, Oregon ash, Sitka willow, Pacific willow, hazelnut, Douglas spirea, snowberry, Himalayan blackberry, common clover, Kentucky bluegrass, velvetgrass, meadow foxtail, and tall fescue. The wetland limits were generally determined where the vegetation changed and there were no longer indicators of hydrology. In disturbed areas, a TOB determination was made where either filling or agricultural land use has encroached and incised the braided slough channels.

Wetland W18 (A-C) is 139.24 acres and classified as PEM/PFO. This is a large complex of wetlands located between hillside drainages and minor topographical folds in the Natron area, southeast of Springfield. All drainages flow in a general southerly course into the Willamette River via culverts or as groundwater beneath the Jasper-Lowell Hwy. Dominant vegetation consisted of Oregon ash, black cottonwood, Kentucky bluegrass, crested dogtail, common plantain, indian plum, siberian candyflower, piggy-back plant, tall fescue, sweet vernal grass, meadow foxtail, suckling clover and white clover. Wetland limits were determined onsite where the vegetation changed and there were no longer hydrological indicators.

Table 1
City of Springfield Wetlands-McKenzie River Basin

Wetland	Wetland Aerial Extent (Acres)	USFWS Classification	"Other" Created Waters (Acres)
M1	4.94	RLP	
M2	10.33	PEM	10.50
M3	2.73	PEM/PFO	
M4	5.02	PEM	
M5	9.13	PFO/PSS/PEM	
M6	4.05	PEM/PSS	
M7	0.20	PEM	
M8*	0.20	PSS	
M10*	2.72	RIN	
M11*	1.01	POW	
M12	1.22	PEM	
M14	33.67	PEM/PFO	
M15	6.36	PEM	
M16	7.87	PFO/POW/RLP/PEM	
M17	3.15	PEM	
M18*	23.59	POW/PSS	16.75
M19	0.69	PFO	
M20	0.52	RLP	
M21	0.39	PEM	
M22	0.10	PEM	
M23	0.19	PEM	
M24	0.76	PEM	
M25	24.00	PEM	
M26	1.85	PFO/PEM/PSS	
M27	8.28	PEM/PFO	
M28	1.51	PEM	
M29	1.08	PFO/PEM	
M30	6.49	PFO/PEM/POW	
M31	0	POW	8.06
M32	3.39	PEM	
M33	23.66	POW/PSS/RLP	116.17
M34	0.80	PFO	
M35	5.62	PEM	
M36	0.75	PEM	
M37	0.40	PEM	
M38	0.08	PEM/PFO	
M39*	1.88	PEM	
M40	16.51	RLP	
Total	**215.14**		**151.48**

*denotes off-site wetland determination and mapping

Table 2
City of Springfield Wetlands--Willamette River Basin

Wetland	Wetland Aerial Extent (Acres)	USFWS Classification	Other Created Waters (Acres)
W1*	4.14	RLP	
W2	3.72	PEM	
W3	10.03	PFO/PEM/POW	
W4	0.97	PFO/PEM	
W5	5.60	POW/PFO/PEM	
W6	5.63	PFO	
W7*	0	POW	36.02
W8*	1.22	POW	
W9	0.22	PEM	
W10	2.25	PSS	
W11	0.67	PSS	
W12	1.42	PFO	
W13	2.24	PFO	
W14	1.04	PEM	
W15	0.79	PFO	
W16	1.46	PFO	
W17	8.35	RLP	
W18 A-C	139.24	PEM/PFO	
Total	**188.99**		**36.02**

*denotes off-site wetland determination and mapping

Table 3
City of Springfield Wetlands—Total Acreage

	Jurisdictional Wetlands	"Other Created Waters"
McKenzie Basin	**215.14**	**151.48**
Willamette Basin	**188.99**	**36.02**
Total Acres	**404.13**	**187.50**

DISCUSSION

The following section discusses the field indicators observed for vegetation, soils, and hydrology, which were the basis for the wetland determination.

Vegetation

Plant communities and vegetation dominance were assessed data plots throughout the Inventory study area. A list of common and scientific names of plant species is included in Appendix E. Data sheets are found in Appendix H.

Soils

According to the Lane County Soils Survey, the study area consists of three major soils series: Awbrig-Coburg, Oxley-Courtney, and Salem.

The Awbrig-Coburg series consists of deep, poorly and moderately well-drained, nearly level silty clay loam formed from alluvial deposits. Typically, the surface layer is very dark brown (10YR 2/2) silty clay loam to about 18 inches in depth. Below the surface layer to a depth of approximately 65 inches, the substratum is a dark-brown (10YR 4/3) mottled fine sandy loam. Permeability is moderately slow. Available water capacity is about 10-12 inches. Water supplying capacity is about 20-26 inches. Effective rooting depth is greater than 60 inches. Runoff is slow, and the hazard of water erosion is slight. High water table is found at a depth of 1.5 to 2.5 feet from November to May. Areas mapped as Awbrig-Coburg series may contain the following inclusions: Malabon, Conser, Oxley, and Salem soil units.

Oxley-Courtney series are typified by deep, somewhat poorly drained and poorly drained, nearly level gravely silt loam and gravely silt clay loam derived from old gravely and clayey alluvial deposits. Typically, these soils are found in drainage ways and other depression areas of valley terraces. The surface horizon is very dark gravely silty clay loam about 15 inches thick. Upper subsoil layers are dark grayish brown gravely clay to about 28 inches, with brown gravely clay loam to about 41 inches. A multicolored gravely sand substratum can be found to about 60 inches. Permeability is very slow, and available water capacity is about 5.0 to 7.5 inches. Water supply capacity is 12-16 inches. Effective rooting depth is limited by a dense clay layer and a high water table that is at a depth of 0 to 1.5 feet from December to May. Inclusions of Awbrig, Bashaw, Natroy, and Oxley soils are common.

The Salem series consist of deep, well-drained, nearly level silty clay loam and gravely silt loam that formed in old alluvial deposits. The surface horizon is shallow, about 7 inches thick, dark grayish brown (10YR 4/2) and a gravely silt loam layer. Subsoil layers are represented by a brown (10YR 4/3) layer of gravely silty clay loam. Typically these soils are found in alluvial soils having an average precipitation of about 45 inches. Permeability of the undisturbed soil is moderate.
Available water capacity is about 4 to 6 inches. Effective rooting depth is 15 to 40 inches, limited by a very gravely substratum. Runoff is slow, and the hazard of water erosion is slight. Common inclusions are Coburg and Oxley soils.

Examination of 209 hand-dug soil pits yielded soil profiles that approximate those of the SCS mapped descriptions above. Soils meeting the hydric soil criteria were sought and noted at all pit locations, and this data was used in making wetland/upland boundary determinations. Few soil pits exhibited positive hydrology, possibly due to the lateness of season when this work was conducted, but evidence of positive hydrology was observed such as soils meeting the hydric soil criteria and distinct mottling. Mottles are an indicator of seasonal fluctuations of the water table.

Hydrology

The City of Springfield is located within the drainage basins of the Willamette and the McKenzie rivers. As noted above, soils are typically derived from alluvial deposits. Jurisdictional riverine wetlands associated with these systems were excluded from the study area, with a few noted exceptions. Wetland hydrology was not directly observed in a large majority of test pits during the initial inventory, but was assumed to be present based on hydrologic indicators. Indirect evidence of hydrology include such things as soil mottling, soil saturation, oxidized rhizospheres, hydric soil characteristics, and drainage scars or patterns. The majority of the sites where hydrology was assumed in June of 1992 were revisited in May 1993 to confirm the presence of hydrology.

PREPARERS AND CONTRIBUTORS

Bruce Henderson served as project manager and team leader in the preparation of this report. Contributing wetland ecologists included Larry Devroy, Kevin O'Hara and Susan Cunningham. Don Anderson and Lisa Bosca cooperated in the digital presentation of mapped wetlands. Joel Fields, Alyssa Gisi, and Erin Audley collaborated with the field team in the development of the digital field evaluation reports and summaries.

Susie Smith, Lauren Lezell, Elizabeth Stepp, and Greg Hyde of the City of Springfield provided project guidance and preliminary inventory documentation. Susie Smith assisted the project team throughout the field data collection. Greg Hyde, Alison Sands, Brandt Melick with LCOG mapping staff, Virginia Jurasavich, and Cress Bates provided assistance adjusting the digital mapping data to the regional common mapping system.

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APPENDIX A

Guidelines for Local Wetlands Inventory
Oregon Division of State Lands Standards

(f) Written description of any special problems or oddities encountered during the wetland inventory process.

(7) One complete set of all final maps and reports shall be provided to the Division for in-house use, coordination with the local jurisdiction, and inclusion in the State-wide Wetlands Inventory:

(a) Maps provided to the Division are public record and may be made available at cost to the public and state and federal agencies;

(b) Maps provided to the Division shall be in a stable base, reproducible form;

(c) If final mapping is electronic, digital map data shall also be provided to the Division.

(8) All wetland inventory procedures, final maps, and final reports are subject to review and approval by the Division before:

(a) Maps are accepted by the Division as part of the State-wide Wetlands Inventory; or

(b) Maps can be used in lieu of the National Wetlands Inventory for Wetland Land Use Notification purposes.

Stat. Auth.: ORS 196.674 to 196.681 & 196.692
Stats. Implemented: ORS
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94

Revisions

141-86-160 (1) Annually, the local jurisdiction shall provide to the Division a revision (map(s) and report) that indicates:

(a) Wetlands filled as permitted under an adopted Wetland Conservation Plan; and

(b) Wetlands restored, enhanced or created for mitigation under an adopted Wetland Conservation Plan.

(2) Every five years, the local jurisdiction shall conduct a field reconnaissance of wetlands on the WCPI and incorporate new information received. A summary report and any map changes shall be provided to the Division, and are subject to review and approval by the Division.

Stat. Auth.: ORS 196.674 to 196.681 & 196.692
Stats. Implemented: ORS
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94

Landowner Notification

141-86-170 When final wetland maps are approved by the Division, the local jurisdiction shall notify by mail within 120 days all landowners of record whose parcel contains a wetland that:

(1) Their parcel(s) was included in the wetlands study area; and

(2) There is a wetland mapped on their parcel.

Stat. Auth.: ORS 196.674 to 196.681 & 196.692
Stats. Implemented: ORS
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94

Local Wetlands Inventory (LWI) Standards and Guidelines

Purpose

141-86-180 Pursuant to ORS 196.674, these rules establish a system for uniform wetland identification, delineation, and comprehensive mapping. A Local Wetlands Inventory (LWI) is optional and is developed for all or a portion of a city or county according to the following standards and guidelines.

Stat. Auth.: ORS 196.674 to 196.681 & 196.692
Stats. Implemented: ORS
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94

Uses

141-86-185 (1) Once approved by the Division of State Lands, the LWI shall be used in place of the National Wetlands Inventory (NWI) and is incorporated into the State-wide Wetlands Inventory (SWI).

(2) A LWI fulfills the location and quantity information required for Goal 5 analysis, but not quality. In order to meet the quality information required for Goal 5 analysis, a wetland quality assessment must be conducted. The quality assessment may be conducted in conjunction with the inventory or at a later date.

Stat. Auth.: ORS 196.674 to 196.681 & 196.692
Stats. Implemented: ORS
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94; Renumbered from 141-86-190(1) & (4)

Policy

141-86-190 (1) A LWI provides good information for planning purposes and on location of potentially regulated wetlands, but is not of sufficient detail for regulatory certainty under the state Removal-Fill Law.

(2) Wetland determinations and delineations shall be conducted according to the criteria and methodologies in the wetland delineation manual and guidance currently accepted by the Division.

(3) Determinations and delineations are subject to review and approval by the Division before incorporation into the State-Wide Wetlands Inventory.

Stat. Auth.: ORS 196.674 to 196.681 & 196.692
Stats. Implemented: ORS
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94; Renumbered to 141-86-185(1) & (4)

Definitions

141-86-200 (1) "Delineation" means identifying and marking the wetland/non-wetland boundary of each wetland identified.

(2) "Determination" means identifying an area as wetland or non-wetland.

(3) "Division" means the Oregon Division of State Lands and/or its Director or designate.

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

(5) "Mapping" means transferring the identified and delineated wetlands to a base map.

Stat. Auth.: ORS 196.674 to 196.681 & 196.692
Stats. Implemented: ORS
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94

Inventory Development Process and Standards

141-86-210 (1) Sources of inventory information shall include:

(a) U.S. Soil Conservation Service county soil survey and county list of hydric soils and soils with hydric inclusions;

(b) National Wetlands Inventory;

(c) Soil Conservation Service wetland maps where applicable;

(d) Federal Emergency Management Act floodplain maps where applicable;

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

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

(g) Division of State Lands wetland determination files; and

(h) Color and/or color infra-red air photos, or other aerial photography approved by the Division, taken within five years of inventory initiation (minimum scale 1" = 800').

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

(a) Agricultural Stabilization and Conservation Service aerial color slides;

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

(c) The Nature Conservancy/Natural Heritage maps.

(d) U.S. Forest Service Soil Resource Inventory; and

(e) Division of State Lands and Corps of Engineers permit files.

(3) A base map shall be used which includes all roads, railroads, and, when available, all property boundaries Onsite Option only.

(a) The base map shall be scaled and shall be geographically referenced to State Plane Coordinate System and/or Public Land Survey;

(b) The base map shall be at or close to scale of air photos used and final map products (minimum scale of final wetlands maps is 1" = 800');

(c) The base map shall include hydrologic sub-basin boundaries, if any.

(4) Before beginning field verification, field map(s) shall be prepared from the base map and shall include the approximate location of:

(a) Any wetlands and deepwater habitats from NWI;

(b) Any wetlands from other inventories;

(c) Hydric soils and soils with hydric inclusions (keyed separately);

(d) Wetlands or possible wetlands delineated on air photos; and

(e) Sites to check based on other leads.

(5) All mapping work shall be completed by or supervised by a cartographer (on staff or contracted).

(6) Field verification of wetlands and possible wetlands shall be conducted as follows, except where access is denied by the landowner:

(a) For the Onsite LWI Option, onsite wetland determination is required for all wetlands or probable wetlands located through the process described in sections (1) through (4) of this rule. Appropriate sampling density for wetland determination and delineation is site-specific, but at a minimum shall include:

(A) One sample plot that best characterizes the wetland and a pair of sample plots that characterize the wetland/upland boundary; and

(B) Additional sample plot(s) for each change in wetland classification, each major plant community change, and any topographic change that might substantially affect wetland hydrology.

(b) For the Offsite LWI Option, field verification of wetlands or probable wetlands is required for:

(A) All wetland types identified through offsite process described in sections (1) through (4) of this rule;

(B) Any wetland for which offsite source information is unclear or where two or more sources contradict each other (i.e., soils and NWI).

(c) Air photo interpretation shall be tested early in the process by interpreting several wetland types, groundtruthing the interpretations, then completing the air photo interpretations.

(7) Wetlands that are field-verified and those that are not shall be indicated on field forms and field map(s).

(8) The minimum size wetland to be identified and mapped shall be 0.5 acre.

(9) Each wetland shall be assigned a distinctive identification code to use on map(s), field data forms, wetland summary sheets, and in optional database.

(10) At the option of the local jurisdiction, hydrologically altered former wetlands may be inventoried as potential restoration sites.

(11) All wetlands identified shall be classified by type according to the **U.S. Fish and Wildlife Service's Classification of Wetlands and Deepwater Habitats of the United States (Cowardin 1979)**:

(a) All wetlands shall be classified to "Class" level and special modifiers shall be included. Water regime modifiers are optional, but recommended;

(b) When a wetland contains more than one adjoining classification, the minimum wetland type size to differentiate shall be 0.5 acre.

(12) Artificially created wetlands or waterbodies shall be included, and their use and hydrology source documented.

(13) Where a complex wetland mosaic occurs, i.e., several small wetlands in close proximity, the site shall be labeled as a wetland/upland mosaic on all inventory maps and so described on the wetland summary sheet.

[**Publications:** The publication(s) referred to or incorporated by reference in this rule are available from the Division of State Lands.]

Stat. Auth.: ORS 196.674 to 196.681 & 196.692
Stats. Implemented: ORS
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94

Final Maps and Reports

141-86-220 (1) The final wetland map products shall consist of one or more maps (depending on size of area to be covered). If the study area is covered by more than one wetland map, a single, smaller scale reference map of the complete study site is required. The reference map shall be keyed to individual, large-scale maps and, where possible, indicate the location of all wetlands.

(2) Final maps shall include:

(a) Map name;

(b) Scale bar;

(c) Geographical reference to State Plane Coordinate System and/or Public Land Survey;
(d) Roads and railroads;
(e) Watercourses;
(f) Property boundaries (Onsite Option only); parcel numbers are optional);
(g) Watershed boundaries, if any;
(h) Legend key to wetland symbology on map;
(i) Map date (month and year final map prepared);
(j) For Onsite Option, Symbology for wetlands not field-verified, if any; for Offsite Option, symbology for wetlands that are field-verified;
(k) Disclaimer, such as: **"Information shown on this map is for planning purposes and all wetland boundaries are approximate. In all cases, actual field conditions determine wetland boundaries"**. There may be unmapped wetlands subject to regulation;"
(l) All wetlands, clearly and accurately drawn and clearly identified by an individual wetland code that relates each wetland to field data sheets, database, and wetland summary sheets;
(m) Numbered sample plots; and
(n) Study Area boundary.
(3) Minimum map scale shall be 1" = 800' (1:9,600).
(4) Each inventory and mapping process shall be fully documented in order to ensure accuracy and consistency throughout the process. Documentation shall include:
(a) Wetland determination procedures used;
(b) Date(s) and scales of source maps and air photos used;
(c) Technical staff members and qualifications;
(d) Field data sheet(s) for each wetland field-verified, including wetland code, and for all sites sampled that failed to meet wetland criteria;
(e) Field maps with sketches, sample plot, notes, any measurements taken and air photos with wetland delineations; and
(f) All mapping and map transfer procedures used.
(5) A summary sheet shall be prepared for each wetland. The summary sheet shall include but is not limited to:
(a) Individual wetland code (used on map, data sheets, etc.);
(b) Street address or equivalent sufficient to locate site;
(c) Public Land Survey identifier (Township, Range, Section, Quarter Section);
(d) Approximate wetland size (in acres);
(e) Wetland Classification(s);
(f) Soil type(s);
(g) Hydrologic basin;
(h) Description of wetland, including dominant plant community or communities and the wetland/upland boundary characteristic (Onsite Option Only);
(i) Affected tax lots (Onsite Option Only);
(j) Hydrology source and use of artificially create wetland; and
(k) Field verification date(s).
(6) A study area summary shall be prepared that includes:
(a) Total acreage in study area;
(b) Total acreage of wetlands in study area; and
(c) Total number of wetlands in study area.
(7) One complete set of all final maps and reports shall be provided to the Division for in-house use, coordination with the local jurisdiction, and inclusion in the State-Wide Wetlands Inventory:
(a) Maps provided to the Division are public record and may be made available at cost to the public and state and federal agencies;
(b) Maps provided to the Division shall be in a stable base, reproducible form;
(c) If final mapping is electronic, digital map data shall also be provided to the Division.
(8) All wetland inventory procedures, final maps, and final reports are subject to review and approval by the Division before:
(a) Maps are accepted by the Division as part of the State-wide Wetlands Inventory; or
(b) Maps can be used in lieu of the National Wetlands Inventory for Wetland Land Use Notification purposes.

[**Publications:** The publication(s) referred to or incorporated by reference in this rule are available from the Division of State Lands.]

Stat. Auth.: ORS 196.674 to 196.681 & 196.692
Stats. Implemented: ORS
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94

Revisions

141-86-230 At a maximum ten year interval the local jurisdiction shall conduct a field reconnaissance of wetlands on the LWI and incorporate new information received. A summary report and any map changes shall be provided to the Division, and are subject to review and approval by the Division.

Stat. Auth.: ORS 196.674 to 196.681 & 196.692
Stats. Implemented: ORS
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94

Landowner Notification

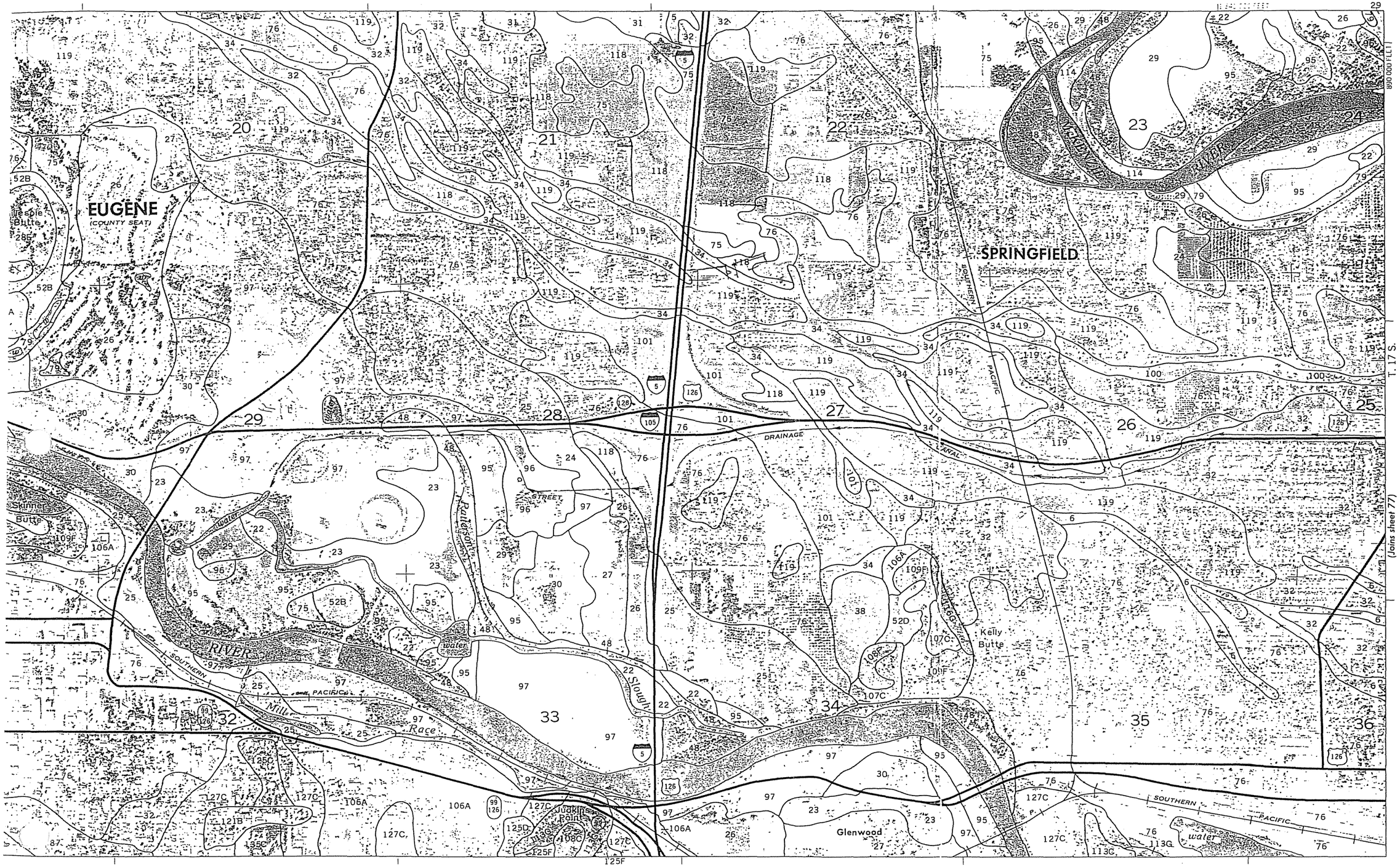
141-86-240 When the LWI (Onsite Option Only) is approved by the Division, the local jurisdiction shall notify by mail within 120 days all landowners of record whose parcel contains a wetland that:
(1) Their parcel(s) was included in the wetlands study area; and
(2) There is a wetland mapped on their parcel.

Stat. Auth.: ORS 196.674 to 196.681 & 196.692
Stats. Implemented: ORS
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94

APPENDIX B

Lane County Soil Survey
Sheets 76-77, 91-92

LANE COUNTY AREA, OREGON — SHEET NUMBER 76



LANE COUNTY AREA, OREGON — SHEET NUMBER 77

R. 3 W. | R. 2 W.

(Joins sheet 62)

SPRINGFIELD

Hendricks

Thurston

McKENZIE RIVER

PACIFIC

SOUTHERN

Slowdt

Cedar Creek

water

(Joins sheet 92)

1 ¾ ½ ¼ 0 1 Mile

5000 4000 3000 2000 1000 0 5000 Feet

Scale 1:20000

LANE COUNTY AREA, OREGON — SHEET NUMBER 77

77

N

(Joins sheet 62)

(Joins sheet 78)

(Joins sheet 92)

Hendricks

MCKENZIE

RIVER

Camp

Creek

Thurston

Scale 1:20000

1 Mile

5000 Feet

1 375 000 FEET

104G 1875 000 FEET

78

N

R. 2 W. | R. 1 W.

(Joins sheet 63)

(Joins sheet 77)

T. 18 S. | T. 17 S.

Walterville

WALTERVILLE CANAL

McKENZIE RIVER

Cedar Flat

Cedar Creek

Camp Creek

(Joins sheet 93)

1 SEC CODE FEET

5000 4000 3000 2000 1000 0 5000 Feet

1 .5 0 1 Kilometer

Scale - 1:20000

(Joins sheet 63)

1 405 000 FEET

885 000 FEET

Walterville Reservoir

Walterville 123

WALTERVILLE CANAL

McKENZIE RIVER

Cedar Flat Creek

Powell Creek

(Joins sheet 79)

(Joins sheet 93)

5000 4000 3000 2000 1000 0 5000 Feet

1 .5 0 1 Kilometer

Scale - 1:20000

N

(Joins sheet 76)

College Hill

Glenwood

SOUTHERN PACIFIC

water

WILLAMETTE RIVER

MIDDLE FORK WILLAMETTE RIVER

Amazon Creek

(Joins sheet 92)

(Joins sheet 103)

1 340 000 FEET

1 Mile

5000 4000 3000 2000 1000 0 5000 Feet

Scale · 1:20000

N

R. 3 W. | R. 2 W.

(Joins sheet 77)

113G 89D

105A

SPRINGFIELD

(Joins sheet 91)

MIDDLE FORK

COAST FORK

WILLAMETTE

Mount Pisgah

Natron

Center

Creek

Puddin

water

(Joins sheet 104)

1 345 000 FEET

5 000 4 000 3 000 2 000 1 000 0 5 000 Feet

1 .5 0 1 Kilometer

Scale - 1:20000

(Joins sheet 77)

(Joins sheet 104)

SPRINGFIELD

MIDDLE FORK WILLAMETTE RIVER

WILLAMETTE RIVER

Mount Pisgah

Natron

Creek

Wallace Creek

Puddin

Water

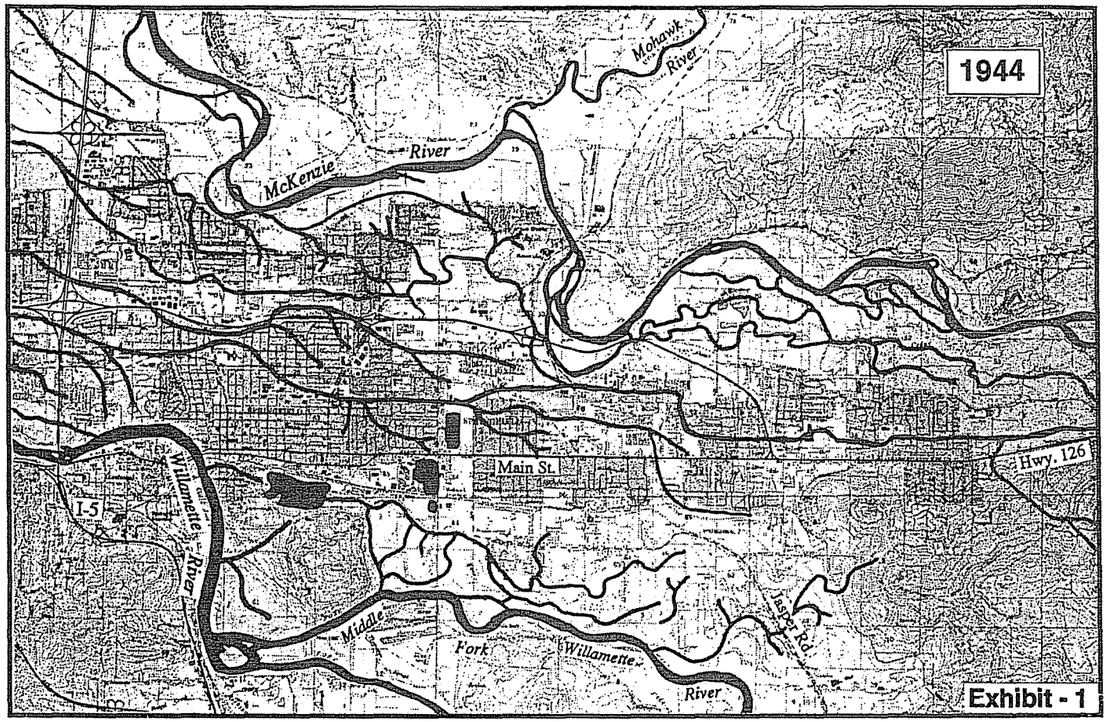
PACIFIC

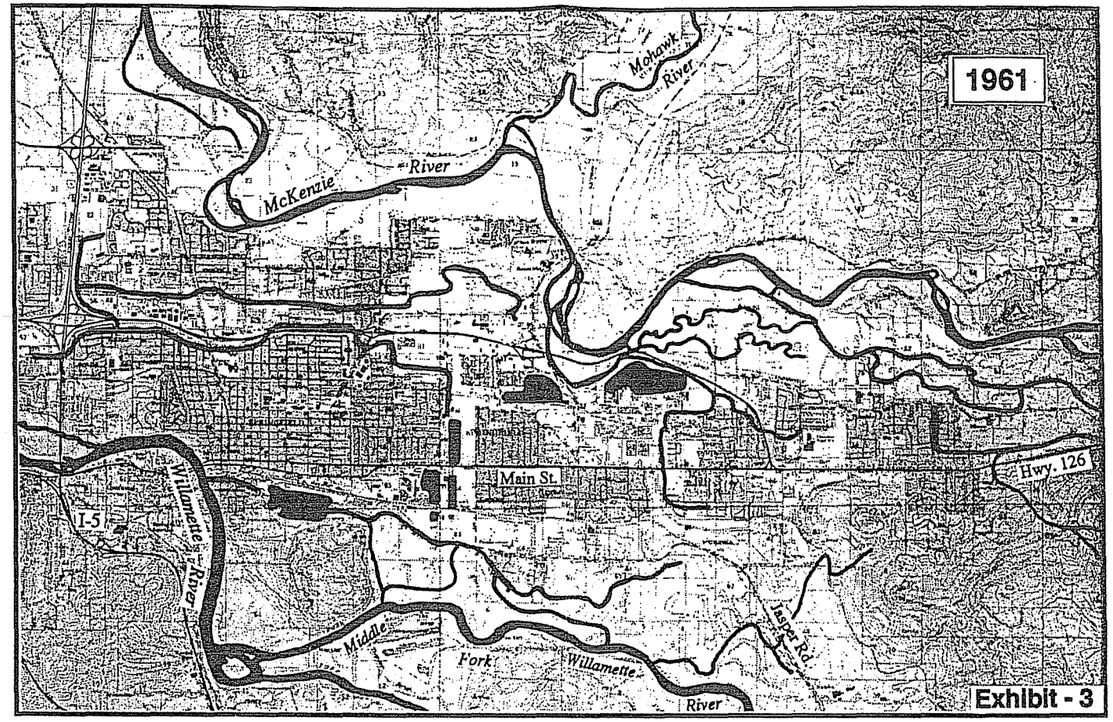
RAILROAD

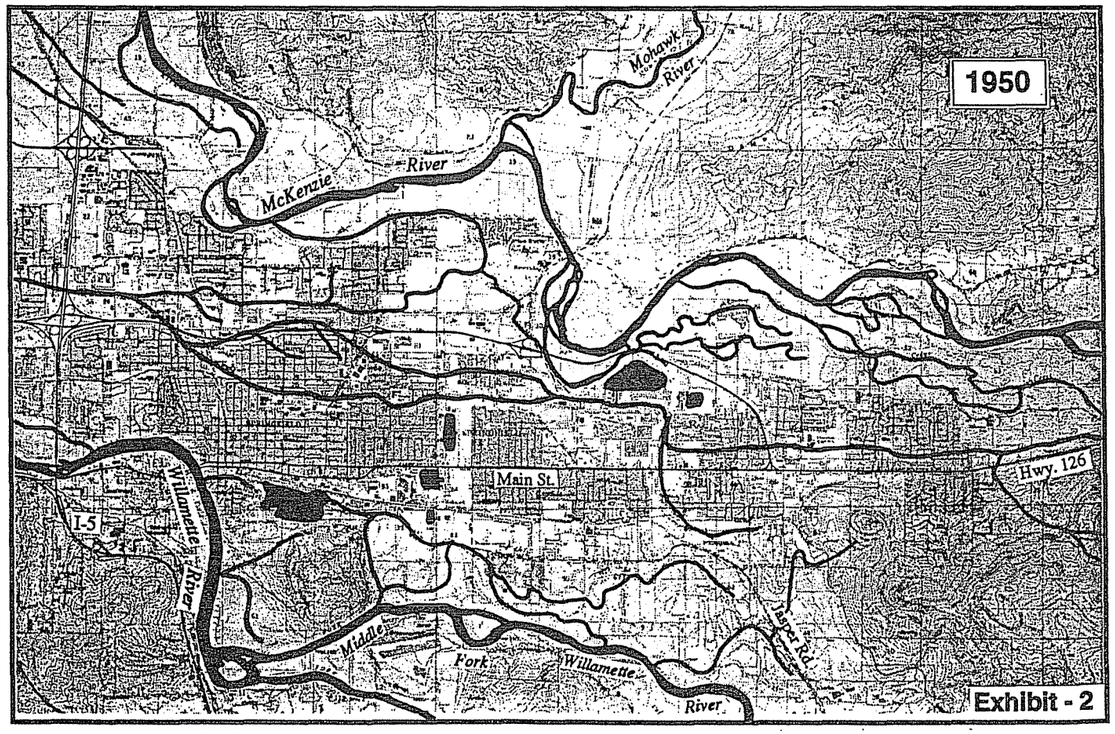
5 000 4 000 3 000 2 000 1 000 0 5 000 Feet

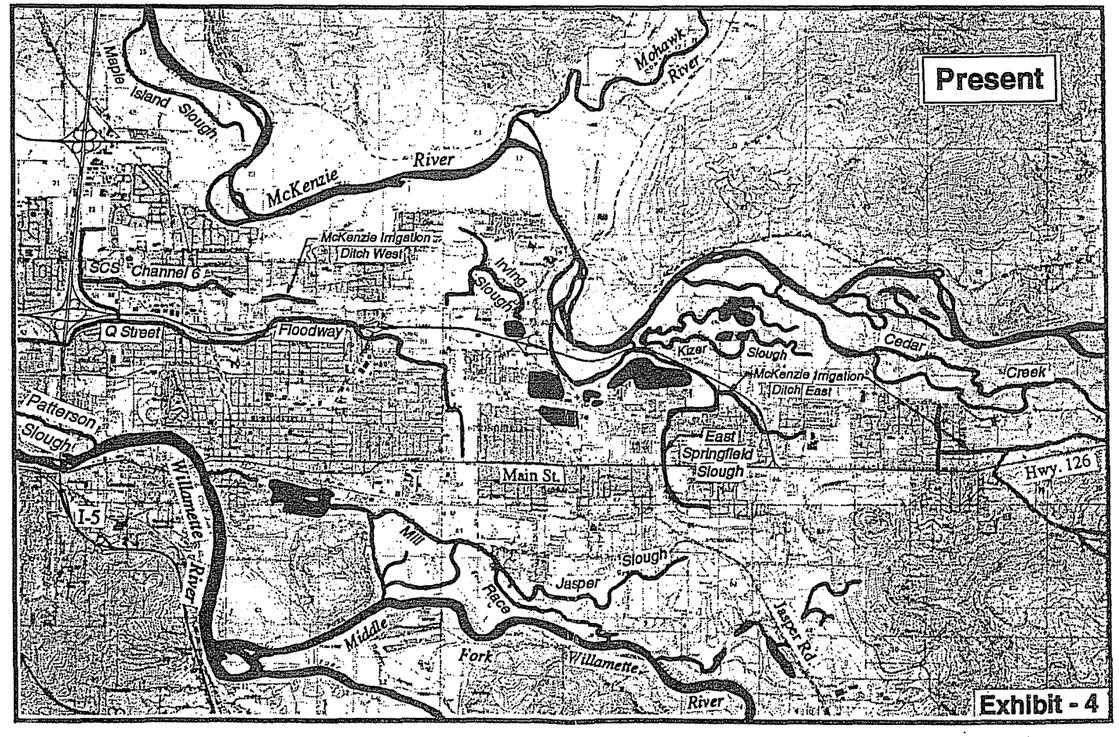
1 .5 0 1 Kilometer

Scale - 1:20000









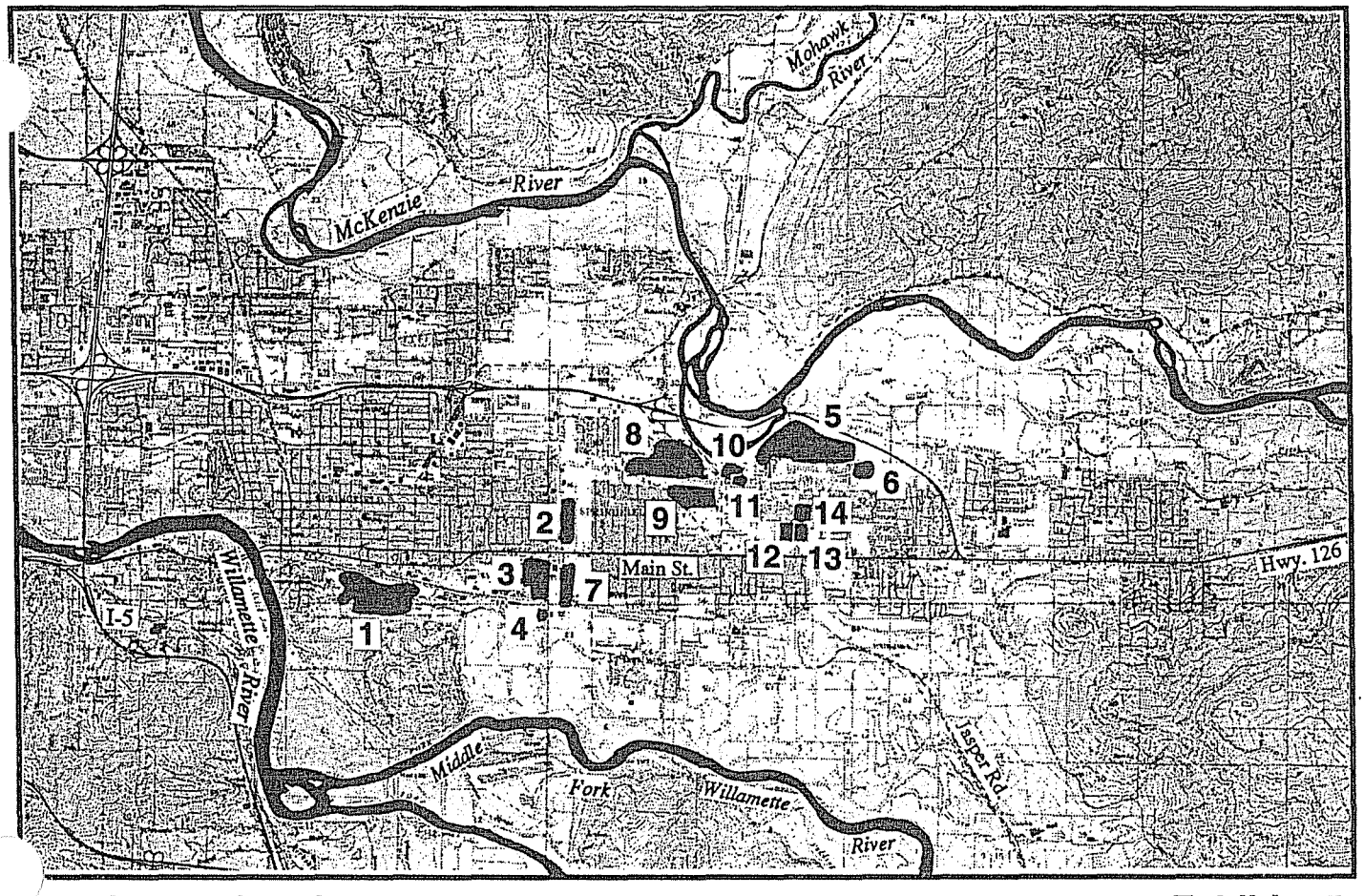
Historic Changes to Springfield's Waterways & Log Ponds

Legend: Waterways Ponds

Map Base: USGS 1:24,000 Quadrangle, 1987
Map Produced by: Lane Council of Governments, November 1993

North

0 1/2 1 Mile
Scale

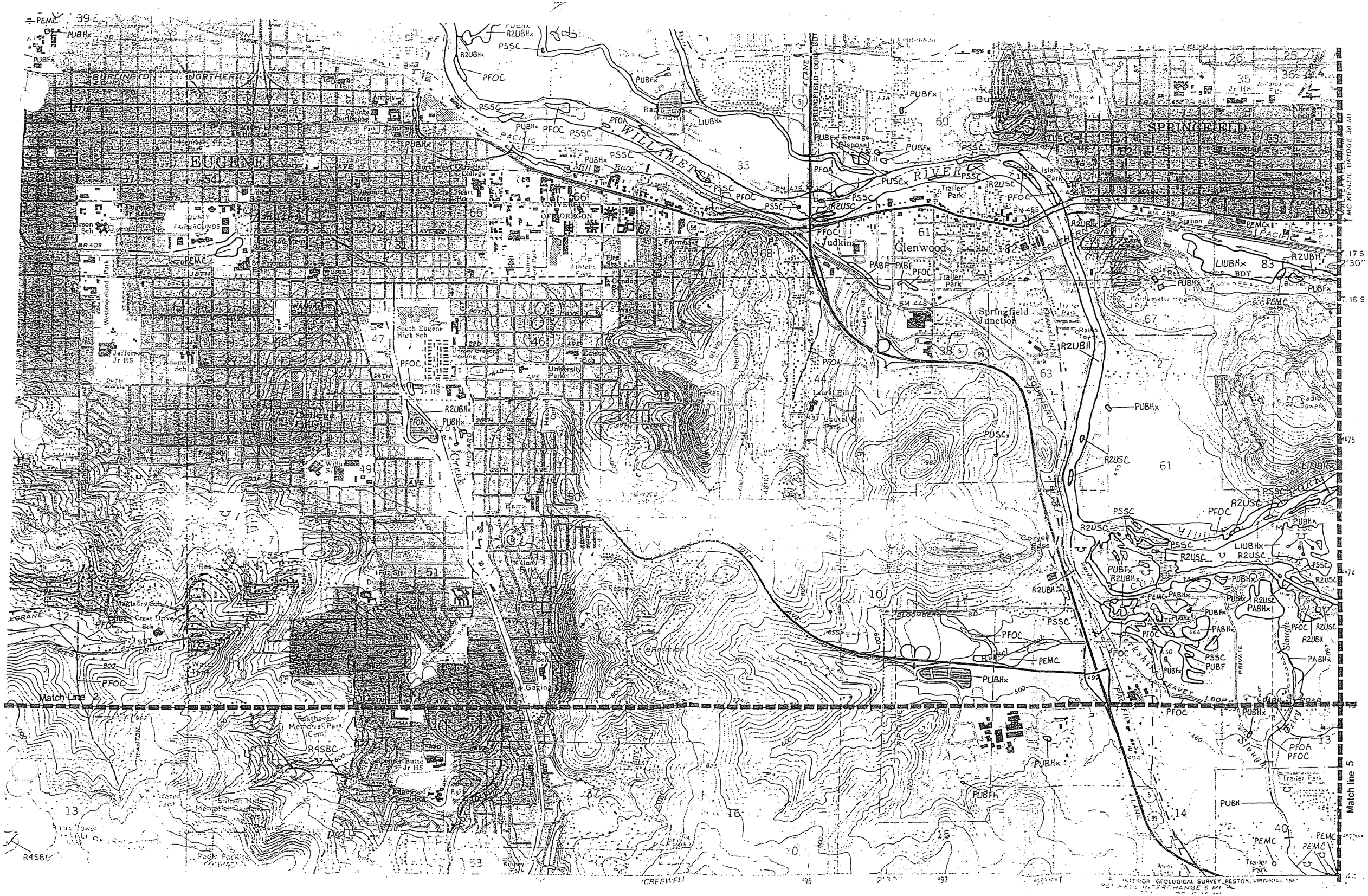


Existing & Historic Log Ponds - Index Map **Exhibit - 5**

APPENDIX C

National Wetlands Inventory


Match line 1
DRAFT
Mile 175
Mile 4
Mile 5
Mile 13
Spring
Spring
Spring
Trailer Park
Trailer Park
Trailer Park


EUGENE
SPRINGFIELD
Glenwood
Springfield Junction
Judkins
WILLAMETTE RIVER
SOUTH FORK
PACIFIC
SOUTHERN
BURLINGTON NORTHERN
SPRINGFIELD-COBURG
MC KENZIE BRIDGE 31 MI
Match Line 2
Match line 5
PEMC
PUBHx
R2UBHx
PSSC
PFOC
PUBFx
R2USC
R2UBH
LIUBHx
PUSCx
PABF
PABHx
PFOA
PUSC
R4SBC
INTERIOR GEOLOGICAL SURVEY, RESTON, VIRGINIA

Match Line 1

Match line 2

EUGENE

SPRINGFIELD

Springfield Junction

Glenwood

Judkins

Laurelwood Municipal Golf Course

Skinner Butte

Amazon

Fairgrounds

Hamlin Jr HS

Meadow Park

Islands Park

Trailer Park

Sewage Disposal

Reservoir

Cemetery

Mt Pisgah Cem

Crest Drive Sch

Parker Sch

Edison Sch

Harris Sch

Jefferson Jr HS

Willamette Heights

Willamette River

Middle Fork Willamette River

Springfield Conveyance

Springfield Creek

Mill Race

Pacific Blvd

Country Lane

Coburg Rd

Glenwood Blvd

Bloomberg Rd

Beltline Rd

Franklin Blvd

Centennial Blvd

Harlow Rd

Q Street

Main Street

Mohawk Blvd

Marcola Rd

Jasper Rd

Coast Fork Willamette

Q Reservoir

Correl Pass

Mt Pisgah

Skinner Butte Park

Alton Baker Park

Laurelwood Park

Fairmount Park

Lauren Park

Judkins Park

Jasper Park

Mt Vernon Park

Willamette Park

Dunn Park

Lincoln Park

Jefferson Park

Washburne Park

Trailer Park

Trailer Park

Trailer

R. 3 W. R. 2 W.

502000m E.

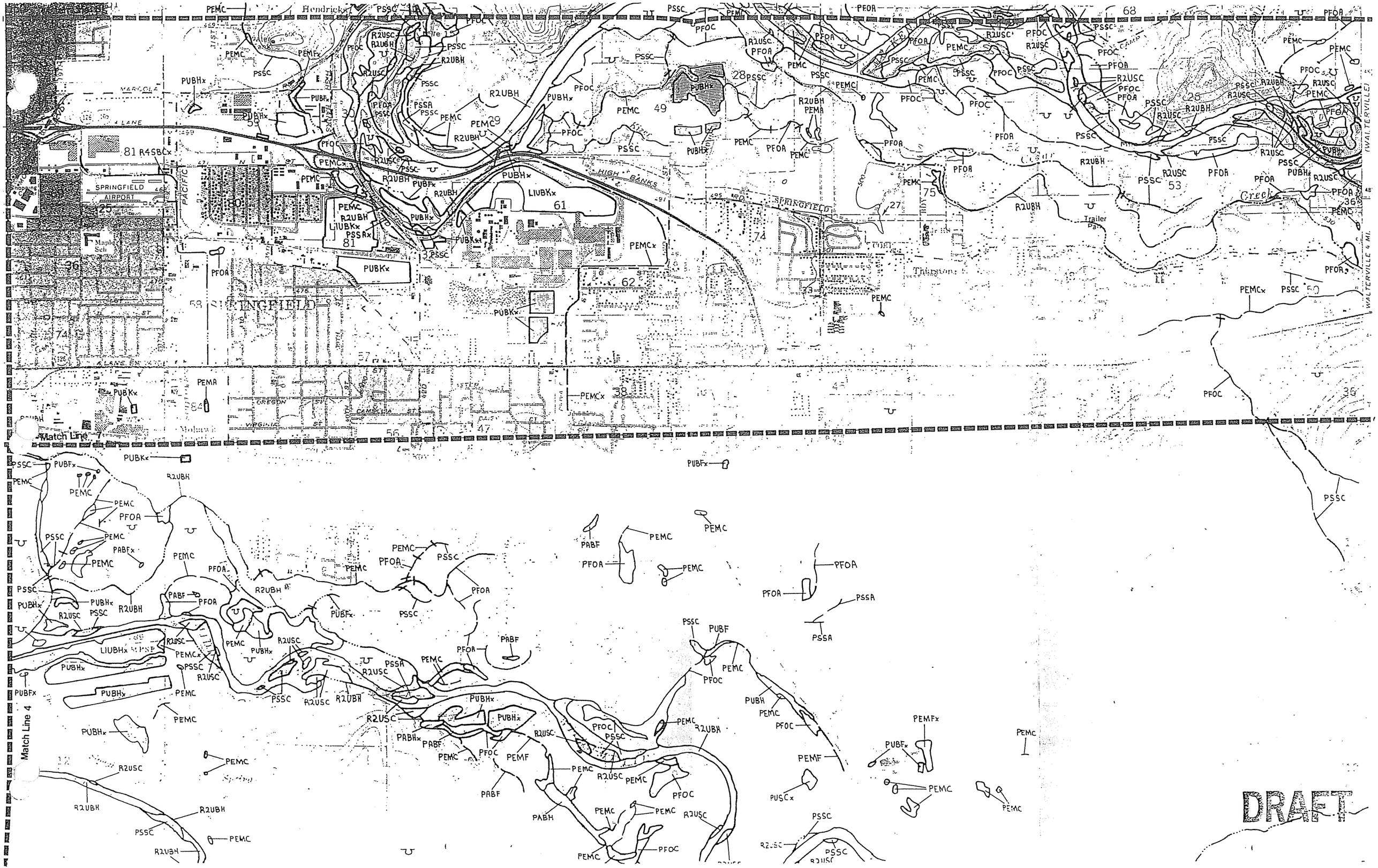
503 57'30"

(MOHAWK)

MARCOLA 4.2 MI.

Match line 6

DRAFT


Match Line 7
Match Line 4
SPRINGFIELD
SPRINGFIELD AIRPORT
PACIFIC
HIGH BANKS
Maple Sch
Trailer Pk
Creek
WALTERVILLE
PEMC
PFOA
PSSC
PUBHx
PUBKx
PUBFx
R2UBH
R2USC
PEMCx
PEMA
PABF
PABH
PEMF
PEMFx
PUSCx
PSSA
R4SBCx
LIUBKx
LIUBHx
PSSPx
PSSAx

DRAFT

DRAFT

SPRINGFIELD

MT PISGAH STATE PARK
Mt Pisgah

Match Line 7

Match line 5

T 17 S.
2°30"
T 18 S.

R. 3 W. R. 2 W.

57'30"

(LOWELL NW)
1471 IV NW

SALEM SE

MCKENZIE RIVER

SPRINGFIELD, O

INTERIOR--GEOLOGICAL SURVEY, RESTON, VIRGINIA—1967

APPENDIX D

Plant Indicator Status Definitions

Definition of Plant Indicators

Indicator Symbol	Indicator Category	Definition
OBL	Obligate.	Species that occur almost always (estimated probability >99%) in wetlands under natural condition
FACW	Facultative wetland.	Species that usually occur in wetlands (estimated probability 67 to 99%), but occasionally are found in non-wetlands.
FAC	Facultative.	Species that are equally likely to occur in wetlands or non-wetlands (estimated probability 34-66%).
FACU	Facultative upland.	Species that usually occur in non-wetlands (estimated probability 67-99%), but occasionally are found in wetlands.
UPL	Upland.	Species that occur almost always in non-wetlands under normal conditions (estimated probability >99%).
NI	No indicator.	Species for which insufficient information was available to determine an indicator status.

Sources: Reed, 1988.

APPENDIX E

Plant Species Encountered During Field Investigations

Plant Species Encountered During Field Investigations

Acer macrophyllum	FACU	T
Achillea millefolium	FACU	H
Agrostis alba	FAC	H
Agrostis tenuis	FAC	H
Airapraecox	UPL	H
Allium sp.	-	H
Alnus rubra	FAC	T
Alopecurus geniculatus	OBL	H
Alopecurus pratensis	FACW	H
Anthemis cotula	FACU	H
Arenaria macrophylla	UPL	H
Asarum caudatum	FACU	H
Avena sp.	-	H
Bellis perennis	UPL	H
Brodiaea sp.	-	H
Bromus sp.	-	H
Bromus tectorum	-	H
Carex deweyana	FACU	H
Carex stipata	OBL	H
Cirsium vulgare	FACU	H
Crataegus douglasii	FAC	T
Dactylis glomerata	FACU	H
Downingia sp.	-	H
Epilobium sp.	FACW	H
Eryngium sp.	-	H
Festuca arundinacea	FACU	H
Festuca rubra	FACW	H
Fraxinus latifolia	FACW	T
Galium aparine	FACU	H
Galium triflorum	FACU	H
Geranium sp.	-	H
Geum macrophyllum	FACW-	H
Glecoma hederacea	FACU+	S
Glyceria occidentalis	OBL	H
Grindelia integrifolia	FACW	H
Hedera helix	-	S
Heracleum lanatum	FAC	H
Holcus lanatus	FAC	H
Iris pseudoacorus	OBL	H
Iris tenax	-	H
Juglans nigra	-	H
Juncus acuminatus	OBL	H
Juncus effusus	FACW+	H
Juncus ensifolius	FACW	H
Juncus patens	FACW	H
Juncus sp.	FACW	H
Juncus tenuis	FACW-	H
Lemna minor	OBL	H
Linum sp.	-	H
Luzula parviflora	FAC-	H
Mahonia oregonensis	-	S
Mentha arvensis	FACW-	H
Oemleria cerasiformis	FACU	S
Oenanthe sarmentosa	OBL	H
Osmorhiza chilensis	UPL	H
Parentucellia viscosa	FAC-	H
Phalaris arundinacea	FACW	H
Phleum pratense	FAC-	H
Physocarpus capitatus	FACW-	S
Picea sitchensis	FAC	T
Plagiobothrys scouleri	FACW	H
Plantago lanceolata	FAC	H
Plantago major	FACU+	H
Poa pratensis	FAC	H
Poa sp.	-	H
Polygonum hydropiperoides	OBL	H
Polygonum punctatum	OBL	H
Polypogon monspeliensis	FACW	H
Polystichum munitum	FACU	H
Populus trichocarpa	FAC	T
Pseudotsuga menziesii	FACU	T
Pteridium aquilinum	FACU	H
Pyrusfusca	FAC+	T
Pyrus malus	UPL	T
Quercus garryana	UPL	T
Quercus kelloggii	UPL	T
Rhus diversiloba	UPL	S
Ribes sanguineum	UPL	H
Rorippa sp.	OBL	T
Rosa sp.	NI	S
Rubus discolor	FACU	S
Rubus laciniatus	FACU+	S
Rubus spectabilis	FAC+	S
Rubus ursinus	FACU	S
Rumex crispus	FAC+	H
Salix lasiandra	FACW+	S
Salix sp.	FACW	T
Sambucus racemosa	FACU	S
Scirpus microcorpus	OBL	H
Scirpus sp.	FACW	H
Solanum dulcamara	FAC+	H
Spiraea douglasii	FACW	S
Stellaria media	FACU	H
Symphoricarpos albus	FACU	S
Taraxacum ceratophorum	-	H
Taraxacum officinale	FACU	H
Tellima grandiflora	-	H
Thalictrum sp.	FACU	H
Tiarella trifoliata	FAC-	H
Tragopogon sp.	-	H
Trifolium repens	FAC	H
Typha latifolia	OBL	H
Umbilifery sp.	-	H
Urtica dioica	FAC+	H
Veronica americana	OBL	H
Veronica sp.	OBL	H
Vicia sativa	UPL	H

APPENDIX F

Wetland Summary Sheets & Wetland Field Data Sheets

WETLAND SUMMARY SHEET

Date of Field Determination: 6/12/1992 **Wetland Code:** M 01

Wetland Data Points: None

Upland Data Points: C36-37

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-27 SE; 17-2-34 NE

Other: North 66th Street

Classification: _

Cowardin: RLP **NWI:** Upland

Soil:

Series: Camas

Color: 10YR3/3

Hydrologic Basin: McKenzie River, lower reach

Size: 4.94

Dominant Plant Community:

Overstory	Understory	Ground cover
Acer macophyllum	*Rubus ursinus*	*Epilobium sp.*
	Symphoricarpus albus	*Thalictrum sp.*

Comments:

Creek. Jurisdiction limits are top-of-bank (TOB). Waterway continues outside of study area. Probable hydrologic source is surface runoff from precipitation.

David Evans and Associates, Inc.
2828 SW Corbett Avenue, Portland Oregon 97201 (503) 223-6663 FAX (503) 223-2701

WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-27 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 36
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	raining		
General Site Conditions:	Forested swale in filbert farm.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	40*
2 Rubus discolor	FACU-	S	100*
3 Bromus species	-	H	100*
4 Corylus cornuta	NI	T	80*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Camas

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N N
Is the hydric soil criterion met?	Y/N N
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale: Creek along north end of property is a regulated water course.

1A

√

David Evans and Associates, Inc.
2828 SW Corbett Avenue, Portland Oregon 97201 (503) 223-6663 FAX (503) 223-2701

WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-27 SE
Field Investigator(s): Susan Cunningham — Plot or Pit No. C 37
Applicant/Owner: City of Springfield — Date: 6/12/92

County: Lane — State: Oregon

Prevailing Weather Conditions: raining
General Site Conditions: Forested swale in filbert farm.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Phalaris arundinacea	FACW	H	100*
2 Rubus discolor	FACU-	S	30*
3 Galium triflorum	FACU	H	30*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

SOILS

Series/Phase: Camas
Is the soil on the hydric soils list? Y/N N — Undetermined N
Matrix Color? 10YR 3/3 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale: Creek limits are top of bank.

1B

WETLAND SUMMARY SHEET

Date of Field Determination: 6/12/1992 **Wetland Code:** M 02

Wetland Data Points: B16,B18-B19

Upland Data Points: B17

* *Denotes Offsite Determination*

Location:

Legal: 17-2-32 SE, NE;

Other: Weyerhaeuser property

Classification: _

Cowardin: PEM **NWI:** PEMCX

Soil:

Series: Salem-Urban, Oxley

Color 10YR 4/2, 4/3 with10YR 5/5 mottles

Hydrologic Basin: McKenzie River, lower reach

Size: 3.12

Dominant Plant Community:

Overstory	Understory	Ground cover
		Anaphalis margaritacea
		Mentha arvensis
		Polypogon monspeliensis
		Taraxacum officinale
		Veronica sp.

Comments:

Probable hydrologic source is subsurface flow and surface runoff. DSL has accepted Woodward-Clyde delineation as log pond—no DSL jurisdiction. (See DSL correspond.)

David Evans and Associates, Inc.
2828 SW Corbett Avenue, Portland Oregon 97201 (503) 223-6663 FAX (503) 223-2701

WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 16
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Moderately overcast		
General Site Conditions:	Weyerhauser property -old log pond. Mowed grass field		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Veronica species	OBL	H	100*
2 Rorippa species	OBL	H	5
3 Juncus effusus	FACW+	H	30
4 Taraxacum officinale	FACU	H	100*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Salem-Urban; SCS#119

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 4/3, 4/2 Soil Mottled? Y/N Y Mottle Color? 10YR 5/5 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >24 inches

Other field evidence of surface inundation or soil saturation: Site topography and general conditions.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N ~~N~~ Y

Is this plant community a wetland? Y/N ~~N~~ Y

Rationale: Presence of non-dominant wetland vegetation, being hydrophytic, strongly mottled soils.

Hydrology assumed based on hydric soils and mottles. veg

✓

2A

David Evans and Associates, Inc.
2828 SW Corbett Avenue, Portland Oregon 97201 (503) 223-6663 FAX (503) 223-2701

WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 17
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Moderately overcast		
General Site Conditions:	Mowed grass, old log pond Weyerhaeuser property		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Polypogon monspeliensis	FACW	H	100*
2 Mentha arvensis	FAC	H	80*
3 Rumex crispus	FACW	H	15
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Salem-Urban; SCS#119

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 4/3, Soil Mottled? Y/(N) N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >24 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N ~~N~~

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Located on the edge of a wetland

2B

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 18
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Moderately overcast		
General Site Conditions:	Weyerhauser property- old log pond. Mowed grass field		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Polypogon monspeliensis	FACW	H	95*
2 Mentha arvensis	FAC	H	50*
3 Anaphalis margaritacea	-	H	30*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Salem-Urban; SCS#119

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 4/3 Soil Mottled? Y/N Y Mottle Color? 10YR 5/5 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >24 inches

Other field evidence of surface inundation or soil saturation: Site topography and general conditions.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Area appears to be wetter based on soils and vegetation. Hydrology assumed to be within 15 inches of surface during the growing season. Historically disturbed area--log ponds. Used disturbed criteria.

2C

✓

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 19
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Moderately overcast		
General Site Conditions:	Weyerhauser property- old log pond. Mowed grass field		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Veronica species	OBL	H	100*
2 Rorippa species	FAC-FACW	H	5
3 Juncus effusus	FACW+	H	30
4 Taraxacum officinale	FACU	H	100*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase:	Salem-Urban; SCS#119						
Is the soil on the hydric soils list?				Y/N	N	Undetermined	N
Matrix Color?	10YR 4/3	Soil Mottled? Y/N	Y	Mottle Color?	10YR 5/5	Gleyed? Y/N	N
Other hydric soil indicators:	Heavy mottleing.						

HYDROLOGY

Surface Inundated?	Y/N N	Soil Saturated?	Y/N N
Depth to free standing water in test pit?	>24 inches		
Other field evidence of surface inundation or soil saturation:	Site topography and general conditions. Hydric soils and mottles.		

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N N Y
Is this plant community a wetland?	Y/N Y

Rationale: Presence of wetland plant community, strongly mottled soils. Hydrology is assumed to be present during the growing season.

√

2D

WETLAND SUMMARY SHEET

Date of Field Determination: 23-Jun-92 **Wetland Code:** M 03

Wetland Data Points: C58, S26-27

Upland Data Points: S25

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-34 SE;

Other: North of Potato Hill.

Classification:

Cowardin: PEM,PFO **NWI:** Upland

Soil:

Series: Pengra

Color: 10YR 2/2, 3/2, 3/6 with 4/6 mottles

Hydrologic Basin: McKenzie River, headwater

Size: 2.73

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia		*Holcus lanatus*
Populus balsamifera		*Ranunculus repens*
		Alopecurus pratensis
		Festuca rubra
		Festuca arundinacea

Comments:

Probable hydrological source is subsurface flow and surface runoff. Limits were determined by vegetative change where no indicators of hydrology were observed. Wetland is part of larger, historic, fragmented wetland.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 58
Applicant/Owner:	City of Springfield	Date:	6/23/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny		
General Site Conditions:	Ash swale @ Potato Hill		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Holcus lanatus	FAC	H	75*
2 Festuca arundinacea	FACU-	H	80*
3 Alopecurus pratensis	FACW	H	80*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase:	Pengra						
Is the soil on the hydric soils list?				Y/N	Y	Undetermined	N
Matrix Color?	10YR 2/2	Soil Mottled? Y/N	Y	Mottle Color?		Gleyed?	Y/N N
Other hydric soil indicators:	Faint mottles						

HYDROLOGY

Surface Inundated?	Y/(N) M	Soil Saturated?	Y/N N
Depth to free standing water in test pit?	>18 inches		
Other field evidence of surface inundation or soil saturation:	Drainage patterns, matted vegetation.		

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?		Y/N Y
Is the hydric soil criterion met?		Y/N Y
Is the specific hydrology criterion met?		Y/N Y
Is this plant community a wetland?		Y/N Y

Rationale: Based on soils and vegetation.

3A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 25
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Pseudotsuga menziesii	-	T	30*
2 Quercus garryana	-	T	30*
3 Festuca arundinacea	FACU	H	100*
4 Ranunculus repens	FACW	H	25
5 Daucus carota	-	H	30
6 Bellis perennis	-	H	10
7 Rubus discolor	FACU-	S	30*
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 25%

SOILS

Series/Phase: Pengra

Is the soil on the hydric soils list? Y/N ~~Y~~ N Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y @ 18"

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Hydrology is not present in the "root zone" long enough to support hydrophytic vegetation.

3B

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 26
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	80*
2 Populus trichocarpa	FAC	T	20*
3 Ranunculus repens	FACW	H	30*
4 Epilobium angustifolium	FACU+	H	10
5 Camassia quamash	FACW	H	5
6 Alopecurus pratensis	FACW	H	35*
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase:	Pengra						
Is the soil on the hydric soils list?				Y/N	Y	Undetermined	N
Matrix Color?	10YR 3/6, 3/2	Soil Mottled? Y/N	Y	Mottle Color?		Gleyed?	Y/N N
Other hydric soil indicators:							

HYDROLOGY

Surface Inundated?	Y/N N	Soil Saturated?	Y/N Y @ surface
Depth to free standing water in test pit?			
Other field evidence of surface inundation or soil saturation:			

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N Y
Is this plant community a wetland?	Y/N Y

Rationale: All criteria met.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 27
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Lupinus polyphyllus	FAC+	H	5
2 Juncus effusus	FACW+	H	20
3 Juncus tenuis	FAC	H	20
4 Festuca arundinacea	FACU	H	60*
5 Alopecurus pratensis	FACW	H	80*
6 Ranunculus repens	FACW	H	60*
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Pengra

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y @ surface

Depth to free standing water in test pit? 6"

Other field evidence of surface inundation or soil saturation: Drainage patterns

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: All criteria met.

3D

WETLAND SUMMARY SHEET

Date of Field Determination: 6/23/1992; 5/6/1993 **Wetland Code:** M 04

Wetland Data Points: B24-B26; B103

Upland Data Points: B101-102, B104, B106

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-32 SE;

Other: Abandoned drive-in theater site

Classification:

Cowardin: PEM **NWI:** PEMCX

Soil:

Series: Oxley-Urban; SCS#101

Color: 10YR 4/1, 4/2, 3/1, 3/2 with mottles

Hydrologic Basin: McKenzie River, lower reach

Size: 5.02

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia		*Deschampsia cespitosa*
Acer macrophyllum		*Festuca arundinacea*
		Camassia quamash
		Ranunculus repens
		Grindelia integrifolia

Comments:

Wetland boundary is approximate area, ~~modest vegetative diversity, low connectivity.~~ Very disturbed site from past agricultural and drive-in operations. Lomatium bradshawii (Endangered) observed onsite. Probable hydrologic source is surface flow and precipitation. Wetland limits determined by vegetative change where hydrology criteria was not observed.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 24
Applicant/Owner:	City of Springfield	Date:	6/23/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny, clear and hot, 100 F		
General Site Conditions:	Grass meadow, abandoned drive-in site		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Deschampsia cespitosa	FACW	H	60*
2 Festuca arundinacea	FACU-	H	100*
3 Scirpus species	OBL	H	80*
4 Vicia sativa	-	H	50
5 Phleum pratense	FACU	H	10
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Oxley-Urban; SCS#101

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 4/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >24 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Strong representation of OBL/FACW wetland plant community. Disturbed area from past agricultural and drive-in theater operations. Area has been ditched and some fill placed on the site that has altered the hydrology.

4A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 25
Applicant/Owner:	City of Springfield	Date:	6/23/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny, clear and hot, 100 F		
General Site Conditions:	Grass meadow, abandoned drive-in site		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	100*
2 Alopecurus pratensis	FACW	H	100*
3 Carex obnupta	OBL	H	10
4 Grindelia integrifolia	FAC	H	50*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Oxley-Urban; SCS#101

Is the soil on the hydric soils list? Y/(N) N Undetermined N

Matrix Color? 10YR 4/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/(N) N Soil Saturated? Y/N N

Depth to free standing water in test pit? >24 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N N Y

Is this plant community a wetland? Y/N N Y

Rationale: Strong presence of wetland plant community and hydric soils. The area has been ditched and some fill placed on the site that has altered th on the site that has altered the hydrology.

4B

David Evans and Associates, Inc.
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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-32 SE
Field Investigator(s): Bruce Henderson — Plot or Pit No. B 26
Applicant/Owner: City of Springfield — Date: 6/23/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny, clear and hot, 100 F
General Site Conditions: Grass meadow, abandoned drive-in site

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Deschampsia cespitosa	FACW	H	90*
2 Acer macrophyllum	FACU	T	15*
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Oxley-Urban; SCS#101
Is the soil on the hydric soils list? Y(N) N — Undetermined N
Matrix Color? 10YR 3/1 — Soil Mottled? Y/N Y — Mottle Color? 10YR 5/6 — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y(N) N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >24 inches
Other field evidence of surface inundation or soil saturation: Black water stained layer at the surface.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N ~~assumed~~ Y
Is this plant community a wetland? Y/N Y

Rationale: Hydrology is expected to be at or above the surface during normal seasonal conditions. Hydrology criterion is met based on hydrophytic vegetation, water stains, and soils. The site has been ditched and some fill has been placed on the site that has resulted in altering the hydrology.

4C

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-32 SE
Field Investigator(s): Bruce Henderson — Plot or Pit No. B101
Applicant/Owner: City of Springfield — Date: 5/6/93

County: Lane — State: Oregon

Prevailing Weather Conditions: No wind, rain last night thru this morning.
General Site Conditions: Drive-in Theater Site--site is disturbed from ditching and land alteration

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU-	H	100*
2 Cirsium vulgare	FACU	H	10
3 Vicia sativa	-	H	60*
4 Brassica campestris	-	H	5
5	-		
6	-		
7	-		
8	-		
9	-		
10	-		

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Oxley
Is the soil on the hydric soils list? Y/N N — Undetermined N
Matrix Color? 10YR 3/2, 2/2 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators: None

HYDROLOGY

Surface Inundated? Y(N) N — Soil Saturated? Y/N Y @ surface
Depth to free standing water in test pit? 6"
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N N

Rationale: Disturbed site. Soils have been disturbed from movement of soil and truck ruts. Hydrology is not present long enough to support hydrophytic vegetation.

4D

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B102
Applicant/Owner:	City of Springfield	Date:	5/6/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	No wind, rain last night thru this morning.		
General Site Conditions:	Drive-in Theater Site--site is disturbed from ditching and land alteration		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU-	H	100*
2 Camassia quamash	FACW	H	5
3 Vicia sativa	-	H	20
4 Daucus carota	-	H	5
5	-		
6	-		
7	-		
8	-		
9	-		
10	-		

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase:	Oxley				
Is the soil on the hydric soils list?		Y/N N		Undetermined	N
Matrix Color?	10YR 3/3, 4/3	Soil Mottled? Y/N N	Mottle Color?	Gleyed?	Y/N N
Other hydric soil indicators:	Very disturbed from Drive-in operation. Gravel in soil.				

HYDROLOGY

Surface Inundated? Y/(N) N Soil Saturated? Y/N Y @ surface

Depth to free standing water in test pit? 11"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N N
Is the hydric soil criterion met?	Y/N N
Is the specific hydrology criterion met?	Y/N Y
Is this plant community a wetland?	Y/N N

Rationale: Disturbed site. Soils have been disturbed from movement of soil and truck ruts. Hydrology is not present long enough to support hydrophytic vegetation.

4E

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B103
Applicant/Owner:	City of Springfield	Date:	5/6/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	No wind, rain last night thru this morning.		
General Site Conditions:	Drive-in Theater Site--site is disturbed from ditching and land alteration		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Camassia quamash	FACW	H	70*
2 Ranunculus repens	FACW	H	45*
3 Alopecurus pratensis	FACW	H	50*
4 Vicia sativa	-	H	30
5 Festuca arundinacea	FACU-	H	15
6	-		
7	-		
8	-		
9	-		
10	-		

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators: Very disturbed from Drive-in operation. Gravel in soil.

HYDROLOGY

Surface Inundated? Y/N Y Soil Saturated? Y/N Y

Depth to free standing water in test pit?

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N ~~N~~ Y or N/A

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: Disturbed site - Wetland based on vegetation and hydrology using disturbed area criteria. Soils have been disturbed from movement of soil movement of soil and truck ruts. ~~Hydrology is not present long enough to support hydrophytic vegetation.~~

4F

✓

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B104
Applicant/Owner:	City of Springfield	Date:	5/6/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	No wind, rain last night thru this morning.		
General Site Conditions:	Drive-in Theater Site--site is disturbed from ditching and land alteration		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU-	H	100*
2 Cirsium vulgare	FACU	H	15
3 Ranunculus repens	FACW	H	10
4 Vicia sativa	-	H	35
5 Rosa sp.	NI ?	S	15*
6	-		
7	-		
8	-		
9	-		
10	-		

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase:	Oxley						
Is the soil on the hydric soils list?				Y/N	N	Undetermined	N
Matrix Color?	10YR 3/3	Soil Mottled? Y/N	N	Mottle Color?		Gleyed?	Y/N N
Other hydric soil indicators:	Very disturbed from Drive-in operation. Gravel in soil.						

HYDROLOGY

Surface Inundated?	Y(N) N	Soil Saturated?	Y/N Y @ surface
Depth to free standing water in test pit?	9"		
Other field evidence of surface inundation or soil saturation:			

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N N
Is the hydric soil criterion met?	Y/N N
Is the specific hydrology criterion met?	Y/N Y
Is this plant community a wetland?	Y/N N

Rationale: Disturbed site. Soils have been disturbed from movement of soil and truck ruts.

4G

✓

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B106
Applicant/Owner:	City of Springfield	Date:	5/6/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	No wind, rain last night thru this morning.		
General Site Conditions:	Drive-in Theater Site--site is disturbed from ditching and land alteration		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU-	H	100*
2 Daucus carota	-	H	15
3 Cirsium vulgare	FACU	H	20
4 Rosa sp.	NI	S	20
5 Ranunculus repens	FACW	H	15
6 Camassia quamash	FACW	H	5
7	-		
8	-		
9	-		
10	-		

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0% / 20 1.

SOILS

Series/Phase:	Oxley						
Is the soil on the hydric soils list?				Y/N	N	Undetermined	N
Matrix Color?	10YR 3/3	Soil Mottled? Y/N	N	Mottle Color?		Gleyed? Y/N	N
Other hydric soil indicators:	Very disturbed from Drive-in operation. Gravel in soil.						

HYDROLOGY

Surface Inundated?	Y(N)	Soil Saturated?	Y/N Y @ surface
Depth to free standing water in test pit?	10"		
Other field evidence of surface inundation or soil saturation:			

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N N
Is the hydric soil criterion met?	Y/N N / N/A
Is the specific hydrology criterion met?	Y/N Y
Is this plant community a wetland?	Y/N N

Rationale: Disturbed site. Soils have been disturbed from movement of soil and truck ruts. Hydrology is not present long enough to support hydrolphytic vegetation.

4H

✓

WETLAND SUMMARY SHEET

Date of Field Determination: 6/12,23/1992, 5/25/1993 **Wetland Code:** M 05

Wetland Data Points: B21-22,C57, S10-11, S21

Upland Data Points: S12-13, S16, S19, S22-23

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-34 SW; 17-2-33 SE;

Other: Ash swale @ foot of Potato Hill.

Classification: _

Cowardin: PEM **NWI:** Upland

Soil:

Series: Courtney; SCS#34, Pengra

Color: 10YR 3/1, 3/2, 3/3, 2/1, 2/2 with mottles

Hydrologic Basin: McKenzie River, headwater

Size: 9.13

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia	Spiraea douglasii	Ranunculus repens
Populus trichocarpa	*Rosa sp.*	*Lupinus polyphyllus*
	Rubus discolor	*Festuca rubra*
		Alopecurus pratensis
		Deschampsia cespitosa

Comments:

Probable hydrologic source is surface flow and precipitation. Wetland limits determined by vegetative change where hydrology criteria was not observed

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-34 SW
Field Investigator(s): Bruce Henderson — Plot or Pit No.: B 21
Applicant/Owner: City of Springfield — Date: 6/12/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Light rain
General Site Conditions: Area has been partially filled. Disturbed grass meadow/ash border

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	40*
2 Dactylis glomerata	FACU	H	30
3 Deschampsia cespitosa	FACW	H	60*
4 Plagiobothrys scouleri	FACW	H	85*
5 Rumex crispus	FACW	H	5
6 Juncus effusus	FACW+	H	75*
7 Downingia species	-	H	20
8 Carex obnupta	OBL	H	30
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney; SCS#34
Is the soil on the hydric soils list? Y/N Y / N/A Undetermined N
Matrix Color? 10YR 3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N disturbed
Other hydric soil indicators: Cobble surface/substrate--some fill.

HYDROLOGY

Surface Inundated? Y/N Y N Soil Saturated? Y/N N N Y
Depth to free standing water in test pit? >24 inches
Other field evidence of surface inundation or soil saturation: Drainage patterns, hydric soils.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N N N/A
Is the specific hydrology criterion met? Y/N N Y
Is this plant community a wetland? Y/N N Y
Rationale: Definitive hydrophytic vegetation. Partially filled. Hydrology assumed based on indicators.

5A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-33 SE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 22
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Light rain		
General Site Conditions:	Ash grove		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	100*
2 Deschampsia cespitosa	FACW	H	100*
3 Geum macrophyllum	FACW+	H	100*
4 Vicia sativa	-	H	5
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase:	Courtney; SCS#34						
Is the soil on the hydric soils list?				Y/N	Y	Undetermined	N
Matrix Color?	10YR 3/1	Soil Mottled? Y/N	Y	Mottle Color?	10YR 5/6	Gleyed? Y/N	N
Other hydric soil indicators:							

HYDROLOGY

Surface Inundated?	Y(N) N	Soil Saturated?	Y/N N
Depth to free standing water in test pit?	>24 inches		
Other field evidence of surface inundation or soil saturation:	Hydric soils and mottles.		

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N Y
Is this plant community a wetland?	Y/N Y

Rationale: Definitive hydrophytic vegetation and hydric soil characteristics. Hydrology based on redoximorphic indicators and mapped hydric soil.
*Note: Baby's breath (invasive weed) found in vicinity of ash grove.

5B

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 56
Applicant/Owner:	City of Springfield	Date:	6/23/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny		
General Site Conditions:	Ash swale @ Potato Hill		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Rubus discolor	FACU-	S	40*
2 Polystichum munitum	-	H	5
3 Fraxinus latifolia	FACW	T	100*
4 Acer macrophyllum	FACU	T	10
5 Carex species	FACW	H	100*
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Pengra

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 2/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: Drainage patterns, water stained leaves.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N ~~N~~ Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: Vegetation criterion is met. Hydrology is assumed based on indicators. Soils are SCS listed hydric. They have dark chromas.
point on wetland edge. If developed, needs a delineation

✓

5C

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 57
Applicant/Owner:	City of Springfield	Date:	6/23/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny		
General Site Conditions:	Ash swale @ Potato Hill		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	100*
2 Rosa species	NI	S	50*
3 Rubus discolor	FACU-	S	50*
4 Spiraea douglasii	FACW	S	50*
5 Typha latifolia	OBL	H	trace
6 Carex species	FACW	H	30*
7 Phalaris arundinacea	FACW	H	40*
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 80%

SOILS

Series/Phase: Pengra

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 2/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: Hydrology based on indicators of ponding and stains on leaf litter. Soils saturated to 14 inches in depth. Soils and vegetation met. per 1996 DEA fieldwork.

✓

5D

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 10
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill--emergent vegetation		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	40*
2 Ranunculus repens	FACW	H	100*
3 Juncus effusus	FACW+	H	80
4 Lupinus polyphyllus	FAC+	H	100*
5 Carex obnupta	OBL	H	30
6 Mentha arvensis	FAC	H	30
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/1, 3/2 Soil Mottled? Y/N Y Mottle Color? 10YR 4/6 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y Soil Saturated? Y/N Y

Depth to free standing water in test pit?

Other field evidence of surface inundation or soil saturation: 2" of standing water

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale:

5E

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-34 SW
Field Investigator(s): Susan Cunningham — Plot or Pit No. S 11
Applicant/Owner: City of Springfield — Date: 5/25/93
County: Lane — State: Oregon
Prevailing Weather Conditions: Showers and Thunder storms
General Site Conditions: Foot of Patato Hill--forested swale

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Populus trichocarpa	FAC	T	40*
✓2 Festuca arundinacea	FACU	H	100*
3 Alopecurus pratensis	FACW	H	80*
4 Ranunculus repens	FACW	H	50*
5 Mentha arvensis	FAC	H	20
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/1, 3/2 — Soil Mottled? Y/N Y — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N Y
Depth to free standing water in test pit? 4"
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale:

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 21
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	80*
2 Festuca arundinacea	FACU	H	30*
3 Alopecurus pratensis	FACW	H	30*
4 Deschampsia cespitosa	FACW	H	30*
5 Ranunculus repens	FACW	H	40*
6 Camassia quamash	FACW	H	5
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y @ surface

Depth to free standing water in test pit? 10"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale:

√

5G

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 12
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill–forested bank		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Pseudotsuga menziesii	-	T	100*
2 Acer macrophyllum	FACU	T	20*
3 Sambucus racemosa	FACU	S	30*
4 Rubus discolor	FACU-	S	40*
5 Polystichum munitum	-	H	20*
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Nekia

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Very steep bank.

√

5H

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 13
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill--manicured backyard north of creek		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Mowed lawn	Unkn	H	100*
2 Trifolium pratense	FACU	H	40*
3 Taaraxacum officinale	FACU	H	10
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? Unknown

SOILS

Series/Phase:	Courtney						
Is the soil on the hydric soils list?				Y/N	Y	Undetermined	N
Matrix Color?	10 YR 3/2	Soil Mottled? Y/N	Y	Mottle Color?		Gleyed?	Y/N N
Other hydric soil indicators:							

HYDROLOGY

Surface Inundated?	Y/N N	Soil Saturated?	Y/N Y @ 18"
Depth to free standing water in test pit?	>18"		
Other field evidence of surface inundation or soil saturation:	Glistening sides at 18"		

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Unknown
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale: Water coming off Patato Hill flows a flat shelf and then into a "creek." Before the creek, water probably went north of the creek. Area has been mowed right up to the top of the creek bank. This area is a historic or remnant wetland area.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 16
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU	H	100*
2 Vicia sp.	UPL	H	30*
3 Bellis perennis	-	H	10
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

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5J

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-34 SW
Field Investigator(s): Susan Cunningham — Plot or Pit No. S 19
Applicant/Owner: City of Springfield — Date: 5/25/93
County: Lane — State: Oregon
Prevailing Weather Conditions: Showers and Thunder storms
General Site Conditions: Foot of Patato Hill

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Deschampsia cespitosa	FACW	H	40
2 Festuca arundinacea	FACU	H	100*
3 Alopecurus pratensis	FACW	H	40
4 Plagiobothrys scouleri	FACW	H	20
5 Juncus effusus	FACW+	H	35
6 Ranunculus repens	FACW	H	80*
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? ____ Soil Mottled? Y/N ____ Mottle Color? ____ Gleyed? Y/N N
Other hydric soil indicators: Fill

HYDROLOGY

Surface Inundated? Y/N Y — Soil Saturated? Y/N ____
Depth to free standing water in test pit? ____
Other field evidence of surface inundation or soil saturation: 2" of surface inundation

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N N N/A
Is the specific hydrology criterion met? ____ Y/N Y
Is this plant community a wetland? ____ Y/N Y
Rationale: Some fill has been placed in this area. Soils are full of rocks. Vegetation and hydrology criteria are still met.

5K

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 22
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU	H	100*
2 Bellis perennis	-	H	20
3 Dactylis glomerata	FACU	H	30*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? faint mottles Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y @ 18"

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Marginal area. Vegetation and hydrology criteria are questionable. Not enough evidence to call wetland.

5L

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 23
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Patato Hill--steep forested hillside		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	10
2 Acer macrophyllum	FACU	T	30*
3 Pseudotsuga menziesii	-	T	90*
4 Quercus garryana	-	T	30
5 Polystichum munitum	-	H	40*
6 Sambucus racemosa	FACU	S	20*
7 Rubus discolor	FACU-	S	60*
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Nekia

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation: None

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Very steep hillside. None of the criteria met.

✓

5M

WETLAND SUMMARY SHEET

Date of Field Determination: 6/11/92, 6/22/1992 **Wetland Code:** M 06

Wetland Data Points: B11, B14-15, C24, C28-30, C32, C50-52

Upland Data Points:

* ***Denotes Offsite Determination***

Location:

Legal: 17S-2W-31 SW, NW;

Other: Dessler site

Classification:

Cowardin: PEM, PSS **NWI:** R4SBCx

Soil:

Series: Awbrig-urban, Coburg-Urban;

Color: 10YR 2/1, 3/1, 3/2, 4/2, 5/2 w/mottles

Hydrologic Basin: McKenzie River, lower reach

Size: 4.05

Dominant Plant Community:

Overstory	Understory	Ground cover
Salix sp.	*Rubus discolor*	*Alopecurus pratensis*
Fraxinus latifolia	*Spiraea douglasii*	*Holcus lanatus*
	Symphoricarpus albus	*Carex obnupta*
	Sambucus racemosa	*Mentha arvensis*
		Plagiobothrys scouleri
		Deschampsia cespitosa

Comments:

Disturbed site from past industrial (mill and log deck) and agricultural practices. Probable hydrologic source is surface flow and precipitation. DSL has accepted prior delineation.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-31 NW		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 11
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	100% overcast, 80% chance of rain.		
General Site Conditions:	Grassy field, Dessler property.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Agrostis species	FAC	H	100*
2 Alopecurus pratensis	FACW	H	80*
3 Carex obnupta	OBL	H	25
4 Juncus ensifolius	FACW	H	10
5 Holcus lanatus	FAC	H	40
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Coburg-Urban; SCS# 32

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 5/2 Soil Mottled? Y/N Y Mottle Color? 10 YR 5/4 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >24 inches

Other field evidence of surface inundation or soil saturation: Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N N Y

Is this plant community a wetland? Y/N Y

Rationale: Wetland plant community; evidence of hydric soils and vegetation. Disturbed from past agricultural uses.

6A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-31 SW
Field Investigator(s): Bruce Henderson — Plot or Pit No. B 14
Applicant/Owner: City of Springfield — Date: 6/11/92
County: Lane — State: Oregon
Prevailing Weather Conditions: 100% overcast, 80% chance of rain.
General Site Conditions: Grass field, Dessler property.

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	100*
2 Vicia sativa	-	H	90*
3 Galium species	FACU	H	80*
4 Juncus ensifolius	FACW	H	10
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

SOILS

Series/Phase: Coburg-Urban; SCS# 32
Is the soil on the hydric soils list? Y/N N — Undetermined N
Matrix Color? 10YR 5/2 — Soil Mottled? Y/N Y — Mottle Color? 10 YR 5/5 — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >24 inches
Other field evidence of surface inundation or soil saturation: Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale: On the edge. Vegetation criteria is not met. Area has been disturbed from past ditching, plowing, and filling activities.

6B

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-31 NW		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 15
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	100% overcast, 80% chance of rain.		
General Site Conditions:	Grassy Field, Dessler property. Disturbed from past agricultural uses.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	100*
2 Carex obnupta	OBL	H	100*
3 Mentha arvensis	FAC	H	100*
4 Deschampsia cespitosa	FACW	H	60*
5 Eryngium species	-	H	30
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Coburg-Urban

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 4/2 Soil Mottled? Y/N Y Mottle Color? 10YR 5/2 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >24 inches

Other field evidence of surface inundation or soil saturation: Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N assumed Y

Is this plant community a wetland? Y/N Y

Rationale: Vegetation and hydric soil criterion are met. Hydrology presence is assumed based on hydric soils and mottles.

6C

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-31 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 24
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool		
General Site Conditions:	Dessler property, Abandoned mill.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Holcus lanatus	FAC	H	40*
2 Alopecurus pratensis	FACW	H	20
3 Daucus carota	-	H	40*
4 Epilobium species	FACW	H	50*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Awbrig

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? N/A Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators: Decomposed wood chips - organic material. Below 18" 7.5YR 4/2 w/ mottles.

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: Soil is moist but not saturated. Drainage patterns.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N	Y
Is the hydric soil criterion met?	Y/N	Y
Is the specific hydrology criterion met?	Y/N	Y
Is this plant community a wetland?	Y/N	Y

Rationale: Transitional area. Highly disturbed soils. Hydrology may be present under normal rainfall year.

6D

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-31 NW
Field Investigator(s): Susan Cunningham — Plot or Pit No. C 28
Applicant/Owner: City of Springfield — Date: 6/11/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Overcast and cool
General Site Conditions: Dessler property. Hydrologically altered by ditches.

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	100*
2 Sambucus racemosa	FACU	S	10*
3 Alopecurus pratensis	FACW	H	100*
✓4 Festuca arundinacea	FACU	H	40*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 75%

SOILS

Series/Phase: Awbrig-urban
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 2/2 — Soil Mottled? Y/N Y — Mottle Color? indistinct — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation: hydric soils and mottles

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N N Y
Is this plant community a wetland? Y/N Y
Rationale: This area has been hydrologically altered by a very large ditch. Hydrology assumed based on vegetation and soils.

✓

6E

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-31 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 29
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool		
General Site Conditions:	Dessler property. Disturbed.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	100*
2 Deschampsia cespitosa	FACW	H	25*
3 Galium species	-	H	4
4 Spiraea douglasii	FACW	S	80*
5 Rubus discolor	FACU-	S	80*
6 Salix species	FACW	T	10*
7 Fraxinus latifolia	FACW	T	20*
8 Carex obnupta	OBL	H	10
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 85%

SOILS

Series/Phase: Awbrig-urban

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/1 Soil Mottled? Y/N Y Mottle Color? distinct Gleyed? Y/N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N N Y
Is this plant community a wetland?	Y/N Y

Rationale: This is a wetland but the hydrology has been altered by ditching. Based on soils and vegetation.

6F

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-31 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 30
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool		
General Site Conditions:	Dessler property. Abandoned field.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Deschampsia cespitosa	FACW	H	60*
2 Plagiobothrys scouleri	FACW	H	80*
3 Juncus effusus	FACW+	H	40
4 Alopecurus pratensis	FACW	H	60*
5 Holcus lanatus	FAC	H	20
6 Camassia quamash	FACW	H	40
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Awbrig-urban

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: hydric soils

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N Y

Rationale: Disturbed criteria used. Wetland based on soils and vegetation, hydrology is assumed.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-31 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 32
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool		
General Site Conditions:	Dessler property. Abandoned field		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Deschampsia cespitosa	FACW	H	90*
2 Alopecurus pratensis	FACW	H	20
3 Holcus lanatus	FAC	H	40*
4 Carex obnupta	OBL	H	40*
5 Plagiobothrys scouleri	FACW	H	50*
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Awbrig-urban

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: hydric soils

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N Y

Rationale: Based on vegetation and soils. Disturbed from past agricultural uses.

✓

6H

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-31 SW

Field Investigator(s): Susan Cunningham — Plot or Pit No.: C 50

Applicant/Owner: City of Springfield — Date: 6/22/92

County: Lane — State: Oregon

Prevailing Weather Conditions: Sunny, Hot

General Site Conditions: Dessler property. Disturbed field.

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	100*
2 Rumex crispus	FACW	H	20
3 Epilobium species	FACW	H	40*
4 Dipsacus sylvestris	NI	H	80*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Awbrig-urban

Is the soil on the hydric soils list? Y/N Y — Undetermined N

Matrix Color? 10YR 4/2 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N

Other hydric soil indicators: A lot of rocks, very little soil.

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N Y

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N N (N/A)

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: Partly filled. Hydrology based on saturated soils. Disturbed criteria used.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-31 SW
Field Investigator(s): Susan Cunningham — Plot or Pit No.: C 51
Applicant/Owner: City of Springfield — Date: 6/22/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny, Hot
General Site Conditions: Dessler property. Disturbed field

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	30*
2 Salix species	FACW	T	10*
3 Holcus lanatus	FAC	H	80*
4 Festuca arundinacea	FACU-	H	30*
5 Rumex crispus	FACW	H	20
6 Cirsium arvense	FACU+	H	20
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 75%

SOILS

Series/Phase: Awbrig-urban
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 2/1 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators: Rocks, very little soil

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation: Hydric soils

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N Y
Rationale: Disturbed site from past agricultural uses. Based on vegetation and soils. Hydrology is assumed to be present during the earily growing season.

✓

6J

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-31 NW
Field Investigator(s): Susan Cunningham — Plot or Pit No. C 52
Applicant/Owner: City of Springfield — Date: 6/22/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny, Hot
General Site Conditions: Dessler property. Willow stand in the middle of paving.

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Salix species	FACW	T	80*
2 Rubus discolor	FACU-	S	80*
3 Holcus lanatus	FAC	H	100*
4 Fraxinus latifolia	FACW	T	20*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 75%

SOILS

Series/Phase: Awbrig-urban
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 2/1 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators: All rRocks - no soil, asphalt all around.

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N Y
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N Y
Rationale: Area has been disturbed from fill. Based on vegetation and saturated soils.

6K

WETLAND SUMMARY SHEET

Date of Field Determination: 5/4/93 **Wetland Code:** M 07

Wetland Data Points: None

Upland Data Points: None

* *Denotes Offsite Determination*

Location:

Legal: 17-3-23 NW

Other: East of Baldy View Lane

Classification: _

Cowardin: PEM **NWI:** Upland

Soil:

Series: Malabon

Color: Undetermined

Hydrologic Basin: McKenzie River, headwater

Size: 0.20

Dominant Plant Community: Farmed Wetland

Overstory	Understory	Ground cover
	farmed	

Comments:

Probable hydrologic source is surface flow and precipitation. DSL checked on 5/5/1993.

WETLAND SUMMARY SHEET

Date of Field Determination: 12-June-92 **Wetland Code:** M 08

Wetland Data Points: H1

Upland Data Points: H2

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-33 SE

Other: West of South 5th Street, North of Daisy.

Classification:

Cowardin: PEM **NWI:** Upland

Soil:

Series: Salem

Color: 10 yr 3/2 w/mottles

Hydrologic Basin: McKenzie River, middle reach

Size: 0.21

Dominant Plant Community:

Overstory	Understory	Ground cover
		Alopecurus pratensis
		Festuca rubra
		Holcus lanatus
		Carex obnupta

Comments:

Wetland Routine Onsite Determination Data Sheet

Project Location:	Wetland M-8		
Field Investigator(s):	Bruce Henderson	**Plot or Pit No.**	H-1
Applicant/Owner:	City of Springfield	**Date:**	5/9/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Southwest intersection of Main Street and 42nd Avenue		
Prevailing Weather Conditions:	Mostly sunny, some showers, temperature mid-60s F		
General Site Conditions:			

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, possibly seasonally mown field

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Alopecurus pratensis*	FACW	H	40*
2 *Holcus lanatus*	FAC	H	60*
3 *Rumex crispus*	FAC+	H	10
4 *Carex obnupta*	OBL	H	20*
5 *Taraxacum officinale*	FACU	H	5
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

Soils:

Mapped Series: Salem Urban Land complex **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/2 with fine, common, distinct 10YR 4/6 soft iron masses on ped surfaces

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation.		**Y/N**	No
Visual observation of soil saturation.		**Y/N**	Yes
Depth to saturated soil: 8"		**Depth to free standing water:**	>18"
Drift lines. Y/N No	**Sediment deposits. Y/N** No	**Drainage patterns. Y/N**	Yes

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	**Y/N**	Yes
Is the hydric soil criterion met?	**Y/N**	Yes
Is the specific hydrology criterion met?	**Y/N**	Yes
Is this plant community a wetland?	**Y/N**	Yes

Comments:

Low depression in open grassy field, seasonally flooded

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Wetland M-8		
Field Investigator(s):	Bruce Henderson	**Plot or Pit No.**	H-2
Applicant/Owner:	City of Springfield	**Date:**	5/9/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Southwest intersection of Main Street and 42nd Avenue		
Prevailing Weather Conditions:	Mostly sunny, some showers, temperature mid-60s F		
General Site Conditions:			

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, possibly seasonally mown field

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Alopecurus pratensis*	FACW	H	60*
2 *Festuca rubra*	FAC+	H	40*
3 *Trifolium repens*	FAC	H	10
4 *Vicia sativa*	UPL	H	5
5 *Gallum aparine*	FACU	H	5
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

Soils:

Mapped Series: Salem Urban Land complex — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/2 - 3/3

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N No

Depth to saturated soil: >18" — **Depth to free standing water:** >18"

Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	Y/N No
Is the hydric soil criterion met?	Y/N No
Is the specific hydrology criterion met?	Y/N No
Is this plant community a wetland?	Y/N No

Comments:

Outside of depressional PEM wetland limits

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WETLAND SUMMARY SHEET

Date of Field Determination: _____ **Wetland Code:** M 09*

Wetland Data Points: None

Upland Data Points: None

* *Denotes Offsite Determination*

Location:

Legal: 17-2-35 NE

Other: South of Thurston Road

Classification: _

Cowardin: PEM **NWI:** Upland

Soil:

Series: _____

Color: _____

Hydrologic Basin: McKenzie River, lower reach

Size: ~~0.99~~ No wetland mapped

Dominant Plant Community: Non-Jurisdictional Site

Overstory	Understory	Ground cover

Comments:

WETLAND SUMMARY SHEET

Date of Field Determination: _____ **Wetland Code:** M 10*

Wetland Data Points: None

Upland Data Points: C38

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-35 SE; 18-2-1 NW; 18-2-2 NE;

Other: South of Main, East of 73rd Street

Classification: _

Cowardin: RIN **NWI:** PFO/PSS

Soil:

Series: Camas

Color: 10YR 3/3

Hydrologic Basin: McKenzie River, upper reach

Size: 2.72

Dominant Plant Community: Non-Jurisdictional Site

Overstory	Understory	Ground cover
Fraxinus latifolia	*Symphoricarpus albus*	*Urtica dioica*

Comments:

Seasonal intermittent stream. Not connected to waterway with no resource value to game or food fish. Creates, provides high cover quality, high vegetative diversity, and high wildlife habitat. Regulated waterbody limits should be TOB.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-35 SE
Field Investigator(s): Susan Cunningham — Plot or Pit No. C 38
Applicant/Owner: City of Springfield — Date: 6/12/92

County: Lane — State: Oregon

Prevailing Weather Conditions: raining
General Site Conditions: Forested riparian area

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	50*
2 Fraxinus latifolia	FACW	T	50*
3 Symphoricarpos albus	FACU	S	80*
4 Urtica dioica	FAC+	H	50*
5 Galium triflorum	FACU	H	40*
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 40%

SOILS

Series/Phase: Camas
Is the soil on the hydric soils list? Y/N N — Undetermined N
Matrix Color? 10YR 3/3 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale: Top of bank regulated water course.

10A

WETLAND SUMMARY SHEET

Date of Field Determination: 6/11/1992 **Wetland Code:** M 11*

Wetland Data Points: None

Upland Data Points: None

* *Denotes Offsite Determination*

Location:

Legal: 17-2-19 SE

Other: South of Hayden Bridge Road

Classification: _

Cowardin: POW **NWI:** PUBHx

Soil:

Series: Oxley

Color:

Hydrologic Basin: McKenzie River, lower reach

Size: 1.01

Dominant Plant Community: Non-Jurisdictional Site

Overstory	Understory	Ground cover

Comments:

Ponded area. Riparian limits are TOB. Probable hydrologic source is subsurface and surface runoff from precipitation.

WETLAND SUMMARY SHEET

Date of Field Determination: 6/12/93 **Wetland Code:** M 12

Wetland Data Points: C35

Upland Data Points: None

* *Denotes Offsite Determination*

Location:

Legal: 17-2-35 NW, SW;

Other:

Classification:

Cowardin: PEM **NWI:** PEM

Soil:

Series: Oxley

Color: 10YR 3/3, 3/1 with mottles

Hydrologic Basin: McKenzie River, lower reach

Size: 1.22

Dominant Plant Community: Non-Jurisdictional Site

Overstory	Understory	Ground cover
		Phalaris arundinacea

Comments:

Probable hydrologic source is surface flow and precipitation. Linear ditch

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 35
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool		
General Site Conditions:	Mowed bank along Q street ditch.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Phalaris arundinacea	FAC	H	100*
2	-		
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Chapman

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/3 Soil Mottled? Y/N Y Mottle Color? 10YR 3/1 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

12A

WETLAND SUMMARY SHEET

Date of Field Determination: 12-Jun-92 **Wetland Code:** M 13

Wetland Data Points: C42

Upland Data Points: None

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-35 NE, SE

Other: School soccer field

Classification: _

Cowardin: PEM **NWI:** Upland

Soil:

Series: Awbrig

Color: 10YR 4/1

Hydrologic Basin: McKenzie River, middle reach

Size: ~~3.6~~ No wetland

Dominant Plant Community: Non-Jurisdictional Site

Overstory	Understory	Ground cover
		mowed grass

Comments:

V

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 42
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Very windy		
General Site Conditions:	Mowed soccer field		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 mowed grass	-	H	100
2	-		
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? Unknown

SOILS

Series/Phase: Awbrig

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 4/1 Soil Mottled? Y/N Y Mottle Color? 7.5Y/R 4/4 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: Cracked surface, soil is moist.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N unknown

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N ~~N~~ Y

Is this plant community a wetland? Y/N ~~N~~ unknown

Rationale: Based soils and hydrology indicators.

WETLAND SUMMARY SHEET

Date of Field Determination: 6/12,22/1992 **Wetland Code:** M 14

Wetland Data Points: C39, C41-42, C46-48, S1, S4-6, S33

Upland Data Points: C40, C45, S2-3, S31-32

* *Denotes Offsite Determination*

Location:

Legal: 17-2-36 NW, SW; 17-2-35 NE, SE;

Other:

Classification: _

Cowardin: PEM/PFO/POW **NWI:** PEMCX

Soil:

Series: Awbrig-Urban, Pengra, Chapman, Coburg, Holcomb

Color: 10YR 2/1, 2/2, 3/1, 3/2, and 10YR 4/1 with mottles

Hydrologic Basin: McKenzie River, upper reach

Size: 33.45

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia	*Spiraea douglasii*	*Alopecurus pratensis*
Populus trichocarpa	*Rosa gymnocarpa*	*Festuca rubra*
Pyrus malus		*Ranunculus repens*
		Holcus lanatus
		Juncus effusus
		Lotus corniculatus

Comments:

Wetland boundary is approximate. Former pasture now part of soccer field. Probable hydrologic source is surface runoff and subsurface flow. Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 39
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	windy		
General Site Conditions:	Ditch in abandoned pasture.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Juncus effusus	FACW+	H	20*
2 Holcus lanatus	FAC	H	50*
3 Cirsium arvense	FACU+	H	20*
4 Rumex crispus	FACW	H	10
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Awbrig-urban

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/1 Soil Mottled? Y/N Y Mottle Color? 7.5YR 4/4 Gleyed? Y/N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: Soil was wet, but not saturated. Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: Hydrology is assumed based on indicators. Vegetation and soil criteria are met.

14A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 41
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast		
General Site Conditions:	Abandoned pasture		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Populus trichocarpa	FAC	T	40*
2 Pyrus malus	-	T	10*
3 Spiraea douglasii	FACW	S	20*
4 Juncus effusus	FACW+	H	80*
5 Alopecurus pratensis	FACW	H	80*
6 Holcus lanatus	FAC	H	40
7 Carex obnupta	OBL	H	80*
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 86%

SOILS

Series/Phase: Awbrig-urban

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 2/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: Soil is moist

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N ~~N~~ Y

Is this plant community a wetland? Y/N Y

Rationale: Hydrology is assumed based on soils and vegetation.

14B

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 42
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Very windy		
General Site Conditions:	Mowed soccer field		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 mowed grass	-	H	100
2	-		
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? Unknown

SOILS

Series/Phase: Awbrig

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 4/1 Soil Mottled? Y/N Y Mottle Color? 7.5Y/R 4/4 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: Cracked surface, soil is moist.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N unknown

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N N Y

Is this plant community a wetland? Y/N N Y

Rationale: Based soils and hydrology indicators. Mapped by change in vegetation.

14C

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-35 NE
Field Investigator(s): Susan Cunningham — Plot or Pit No.: C 46
Applicant/Owner: City of Springfield — Date: 6/22/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny, Hot
General Site Conditions: Former pasture

Do normal environmental conditions exist at the plant community? Y/N: Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	100*
2 Fraxinus latifolia	FACW	T	20*
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Awbrig-urban
Is the soil on the hydric soils list? Y/N: Y — Undetermined: N
Matrix Color? 10YR 4/1 — Soil Mottled? Y/N: Y — Mottle Color? 7.5Y/R 4/4 — Gleyed? Y/N: N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N: N — Soil Saturated? Y/N: N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation: Hydric soils with mottles, cracked surface.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N: Y
Is the hydric soil criterion met? Y/N: Y
Is the specific hydrology criterion met? Y/N: Y
Is this plant community a wetland? Y/N: Y
Rationale: Cracked surface.

14D

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-36 NW
Field Investigator(s): Susan Cunningham — Plot or Pit No.: C 47
Applicant/Owner: City of Springfield — Date: 6/22/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny, Hot
General Site Conditions: Former pasture

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	100*
2 Fraxinus latifolia	FACW	T	10*
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Pengra
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 4/1 — Soil Mottled? Y/N Y — Mottle Color? 7.5Y/R 4/4 — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation: Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N Y
Rationale: Based on vegetation and soils. Hydrology assumed based on indicators.

14E

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-35 SE
Field Investigator(s): Susan Cunningham — Plot or Pit No.: C 48
Applicant/Owner: City of Springfield — Date: 6/22/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny, Hot
General Site Conditions: Former pasture

Do normal environmental conditions exist at the plant community? Y/N: Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	10
2 Holcus lanatus	FAC	H	100*
3 Phalaris arundinacea	FACW	H	30*
4 Fraxinus latifolia	FACW	T	50*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Pengra
Is the soil on the hydric soils list? Y/N: Y — Undetermined: N
Matrix Color? 10YR 2/2 — Soil Mottled? Y/N: Y — Mottle Color? 7.5Y/R 4/4 — Gleyed? Y/N: N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N: N — Soil Saturated? Y/N: N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation: Soil is moist, but not saturated. Hydric soils and vegetation.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N: Y
Is the hydric soil criterion met? Y/N: Y
Is the specific hydrology criterion met? Y/N: N
Is this plant community a wetland? Y/N: Y
Rationale: Based on vegetation and soils.

14F

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 1
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Field		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU	H	50*
2 Alopecurus pratensis	FACW	H	50*
3 Ranunculus repens	FACW	H	80*
4 Bellis perennis	-	H	20
5 Lotus corniculatus	FAC	H	35
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100% 75%

SOILS

Series/Phase:	Holocomb						
Is the soil on the hydric soils list?				Y/N	N	Undetermined	N
Matrix Color?	10YR3/2	Soil Mottled? Y/N	Y	Mottle Color?		Gleyed? Y/N	N
Other hydric soil indicators:							

HYDROLOGY

Surface Inundated?	Y/N N	Soil Saturated?	Y/N Y @ surface
Depth to free standing water in test pit?	8"		
Other field evidence of surface inundation or soil saturation:	Drainage patterns, matted vegetation		

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N Y
Is this plant community a wetland?	Y/N Y

Rationale: Was possibily a agricultural field in the past. Drainage from the residential subdivision to the south may be contributing to some of the water.

14G

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 4
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Field--former agricultural field		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Agrostis sp.	FAC-FACU	H	50*
2 Trifolium pratense	FACU	H	50*
3 Plantago major	FAC+	H	10
4 Camassia quamash	FACW	H	15
5 Ranunculus repens	FACW	H	15
6 Alopecurus pratensis	FACW	H	70*
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Chapman

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y Soil Saturated? Y/N Y

Depth to free standing water in test pit? 5"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale:

14H

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 5
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Ash swale--through agricultural fields.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	100*
2 Camassia quamash	FACW	H	15
3 Galium triflorum	FACU	H	20
4 Alopecurus pratensis	FACW	H	70*
5 Rosa gymnocarpa	NI	S	10*
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Holocomb

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? faint Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? 10"

Other field evidence of surface inundation or soil saturation: Running water in bottom of swale

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: According to the property owners, the amount of water flowing through this swale is dependant upon the amount of water released from the canal to the south of the property.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 6
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Field--former pasture		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	80*
2 Festuca arundinacea	FACU	H	80*
3 Juncus effusus	FACW+	H	40
4 Ranunculus repens	FACW	H	100*
5 Lotus corniculatus	FAC	H	100*
6 Agrostis sp.	FAC-FACU	H	
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Holocomb

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y Soil Saturated? Y/N Y

Depth to free standing water in test pit?

Other field evidence of surface inundation or soil saturation: 2" of standing water

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale:

14J

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 33
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Former pasture.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	10*
2 Camassia quamash	FACW	H	10
3 Festuca arundinacea	FACU	H	100*
4 Alopecurus pratensis	FACW	H	80*
5 Ranunculus repens	FACW	H	40
6 Mentha arvensis	FAC	H	30
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Coburg

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y @ surface

Depth to free standing water in test pit?

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: All criteria met.

14K

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 40
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	windy		
General Site Conditions:	Abandoned pasture.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	80*
2 Dactylis glomerata	FACU	H	50*
3 Cirsium vulgare	FACU	H	80*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

SOILS

Series/Phase: Awbrig-urban

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: On the edge of a wetland. There is Rubus discolor taking over the field.

14L

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-35 NE
Field Investigator(s): Susan Cunningham
Plot or Pit No. C 45
Applicant/Owner: City of Springfield
Date: 6/22/92
County: Lane
State: Oregon
Prevailing Weather Conditions: Sunny, Hot
General Site Conditions: Former pasture

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Bromus species	-	H	100*
2 Alopecurus pratensis	FACW	H	20*
3 Taraxacum officinale	FACU	H	20*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

SOILS

Series/Phase: Coburg
Is the soil on the hydric soils list? Y/N N Undetermined N
Matrix Color? 10YR 4/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale:

14M

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 2
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Field--former agricultural field		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:		Indicator Status	Stratum	% Cover
DK 1	Festuca arundinacea	FACU	H	85*
2	Dactylis glomerata	FACU	H	20
3	Alopecurus pratensis	FACW	H	10
4	Bellis perennis	-	H	50
5	Lotus corniculatus	FAC	H	100*
6				
7				
8				
9				
10				

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase:	Holcomb						
Is the soil on the hydric soils list?				Y/N	N	Undetermined	N
Matrix Color?	10YR 3/2	Soil Mottled? Y/N	N	Mottle Color?		Gleyed? Y/N	N
Other hydric soil indicators:							

HYDROLOGY

Surface Inundated?	Y/N	N	Soil Saturated?	Y/N	N
Depth to free standing water in test pit?	>18"				
Other field evidence of surface inundation or soil saturation:	No indicators of hydrology				

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N	Y
Is the hydric soil criterion met?	Y/N	N
Is the specific hydrology criterion met?	Y/N	N
Is this plant community a wetland?	Y/N	N

Rationale: Same field as S1. Although hydrophytic criterion is met, all dominant species are FAC.

14N

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 3
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Field--former agricultural field		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU	H	100*
2 Daucus carota	-	H	60*
3 Rubus ursinus	NI	S	20*
4 Ranunculus repens	FACW	H	10
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

SOILS

Series/Phase:	Chapman						
Is the soil on the hydric soils list?				Y/N	N	Undetermined	N
Matrix Color?	10YR 3/3	Soil Mottled? Y/N	N	Mottle Color?		Gleyed? Y/N	N
Other hydric soil indicators:							

HYDROLOGY

Surface Inundated?	Y/N	N	Soil Saturated?	Y/N	N
Depth to free standing water in test pit?	>18"				
Other field evidence of surface inundation or soil saturation:	No indicators of hydrology				

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N	N
Is the hydric soil criterion met?	Y/N	N
Is the specific hydrology criterion met?	Y/N	N
Is this plant community a wetland?	Y/N	N

Rationale:

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 31
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Former pasture.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	10*
2 Rubus discolor	FACU-	S	63*
3 Vicia sp.	UPL	H	80*
✓4 Festuca arundinacea	FACU	H	100*
5 Festuca arundinacea	FACU-	H	30
6 Dactylis glomerata	FACU	H	10
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Malabon

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2, 3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

14P

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-35 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 32
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Former pasture.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU-	H	30
2 Festuca arundinacea	FACU	H	100*
3 Vicia sp.	NI	H	40*
4 Dactylis glomerata	FACU	H	30
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? ~~>100%~~ 0%

SOILS

Series/Phase: Coburg

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Dominated by FAC~~U~~ species. Non-dominant vegetation is FACU.

14Q

WETLAND SUMMARY SHEET

Date of Field Determination: 6/11/1992 **Wetland Code:** M 15

Wetland Data Points: L13

Upland Data Points: L12

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-19 SW , SE

Other: South of Hayden Bridge Road.

Classification: _

Cowardin: PEM **NWI:** Upland

Soil:

Series: Pengra

Color: 10YR 3/2 with 10YR 5/6 mottles

Hydrologic Basin: McKenzie River, upper reach

Size: 6.41

Dominant Plant Community:

Overstory	Understory	Ground cover
		Juncus acuminatus
		Festuca arundinacea

Comments:

Probable hydrologic source is surface runoff and precipitation. Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-19 SW		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 13
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool.		
General Site Conditions:	Grazed pasture		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Juncus acuminatus	OBL	H	45*
2 Holcus lanatus	FAC	H	20
3 Aira praecox	UPL	H	15
4 Festuca arundinacea	FACU-	H	40*
5 Alopecurus pratensis	FACW	H	15
6 Juncus tenuis	FACW	H	15
7 Juncus effusus	FACW+	H	5
8 Rumex crispus	FACW	H	trace
9 Eleocharis palustris	OBL	H	
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Pengra

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? 10YR 5/6 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >20 inches

Other field evidence of surface inundation or soil saturation: Surface drainage lines, barren patches.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N Y
Is this plant community a wetland?	Y/N Y

Rationale: Strong evidence of persistent hydrology in wet season. Present conditions indicate a seasonal successional situation. Vegetation criteria met based on non-dominant vegetation being hydrophytic.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-19 SE
Field Investigator(s): Larry Devroy — Plot or Pit No. L 12
Applicant/Owner: City of Springfield — Date: 6/11/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Overcast and cool.
General Site Conditions: Slight grazing pressure.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU-	H	90*
2 Poa pratensis	FACU+	H	40*
3 Allium species	-	H	10
4 Holcus lanatus	FAC	H	30
5 Vicia sativa	-	H	20
6 Bromus tinctorum	-	H	trace
7 Holcus lanatus	FAC	H	5
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0

SOILS

Series/Phase: Pengra
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 4/1 — Soil Mottled? Y/N Y — Mottle Color? light — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >20 inches (none encountered)
Other field evidence of surface inundation or soil saturation: Hydric soils and mottles

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale:

15B

WETLAND SUMMARY SHEET

Date of Field Determination: 6/11/1992 **Wetland Code:** M 16

Wetland Data Points: L11, L15, S62-63

Upland Data Points: S50-51, S58-59, B20

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-19 SW; 17-2-30 NW, NE, SE; 17-3-24 SE;

Other: Irving Slough

Classification: _

Cowardin: PFO/POW/RLP/PEM **NWI:** PFOA/PEMC

Soil:

Series: Oxley, Newberg/Panther

Color: 10YR 4/1, 10YR 3/2 with mottles

Hydrologic Basin: McKenzie River, middle reach

Size: 8.44

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia	*Rubus ursinus*	*Phalaris arundinacea*
Acer macrophyllum	*Salix sp.*	*Alopecuris pratensis*
Populus trichocarpa	*Rubus discolor*	*Juncus effusus*
		Plantago major

Comments:

Large, linear system interspersed with some larger wetland areas with urban and rural uses adjacent. extensive use by waterfowl. Forested area drains to the west and southeast. Majority of this drainage has been excavated and channelized. Limits are TOB. Probable hydrologic source is surface runoff and subsurface flow.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-19 SW
Field Investigator(s): Larry Devroy — Plot or Pit No. L 11
Applicant/Owner: City of Springfield — Date: 6/11/92

County: Lane — State: Oregon

Prevailing Weather Conditions: Overcast and cool.
General Site Conditions: Undeveloped field - partially filled.

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Juncus effusus	FACW+	H	60*
2 Alopecurus pratensis	FACW	H	45*
3 Dipsacus sylvestris	NI	H	20
4 Holcus lanatus	FAC	H	20
5 Rubus ursinus	NI	S	20*
6 Cirsium vulgare	FACU	H	20
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Oxley
Is the soil on the hydric soils list? Y/N N — Undetermined N
Matrix Color? 10YR 4/1 — Soil Mottled? Y/N Y — Mottle Color? 10YR 4/4 — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N Y
Depth to free standing water in test pit? 14 inches
Other field evidence of surface inundation or soil saturation: hydric soils and mottles

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale:

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-19 SW
Field Investigator(s): Larry Devroy — Plot or Pit No. L 15
Applicant/Owner: City of Springfield — Date: 6/11/92

County: Lane — State: Oregon

Prevailing Weather Conditions: Overcast and cool.
General Site Conditions: Site has been impacted by fill in the past, filled with cobble rock.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	80*
2 Bidens cernua	FACW+	H	10
3 Plantago major	FAC+	H	50*
4 Festuca arundinacea	FACU-	H	30
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Oxley
Is the soil on the hydric soils list? Y/N N — Undetermined N
Matrix Color? 10YR 3/2 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators: Standing water on the site

HYDROLOGY

Surface Inundated? Y/N Y — Soil Saturated? Y/N Y
Depth to free standing water in test pit? at the surface
Other field evidence of surface inundation or soil saturation: Debris accumulated at water line.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N N (N/A)
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale: Although this is an artificially flooded area, it is flooded often enough in the spring to produce hydrophytic vegetation.

16B

David Evans and Associates, Inc.
2828 SW Corbett Avenue, Portland Oregon 97201 (503) 223-6663 FAX (503) 223-2701

WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-30 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 62
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Ditch along 43rd St.–Irving Slough		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Rubus discolor	FACU-	S	100*
2 Phalaris arundinacea	FACW	H	40*
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Newburg

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y Soil Saturated? Y/N Y

Depth to free standing water in test pit?

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: Disturbed area. Based on soils and hydrology.

16C

David Evans and Associates, Inc.
2828 SW Corbett Avenue, Portland Oregon 97201 (503) 223-6663 FAX (503) 223-2701

WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-19 SW
Field Investigator(s): Susan Cunningham — Plot or Pit No. S63
Applicant/Owner: City of Springfield — Date: 5/26/93

County: Lane — State: Oregon

Prevailing Weather Conditions: Sunny with few scattered clouds
General Site Conditions: Irving Slough

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	40*
2 Acer macrophyllum	FACU	T	40*
3 Populus trichocarpa	FAC	T	40*
4 Rubus discolor	NI	S	10*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Panther
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 4/2 — Soil Mottled? Y/N Y — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y — Soil Saturated? Y/N Y
Depth to free standing water in test pit?
Other field evidence of surface inundation or soil saturation: Standinig water in drainage bed

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale: Forest swale of Irving Slough

16D

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-19 SW
Field Investigator(s): Susan Cunningham — Plot or Pit No.: S 50
Applicant/Owner: City of Springfield — Date: 5/26/93
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny with few scattered clouds
General Site Conditions:

Do normal environmental conditions exist at the plant community? Y/N: Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
✓1 Festuca arundinacea	FACU	H	100*
2 Dactylis glomerata	FACU	H	30*
3 Vetch sp.	ULP	H	10
4 Geranium dissectum	-	H	10
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0 50%

SOILS

Series/Phase: Oxley
Is the soil on the hydric soils list? Y/N: N — Undetermined: N
Matrix Color? 10YR 3/3 — Soil Mottled? Y/N: N — Mottle Color? — Gleyed? Y/N: N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N: N — Soil Saturated? Y/N: N
Depth to free standing water in test pit? >18"
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N: N
Is the hydric soil criterion met? Y/N: N
Is the specific hydrology criterion met? Y/N: N
Is this plant community a wetland? Y/N: N
Rationale:

16E

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-24 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 51
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Mowed field.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Unknown grass		H	100*
2			
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? Unknown

SOILS

Series/Phase: Malabon

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit?

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?		Y/N Unknown
Is the hydric soil criterion met?		Y/N N
Is the specific hydrology criterion met?		Y/N N
Is this plant community a wetland?		Y/N N

Rationale: No evidence of hydrology.

16F

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2828 SW Corbett Avenue, Portland Oregon 97201 (503) 223-6663 FAX (503) 223-2701

WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-19 SW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 58
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Particially filled		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU	H	50*
2 Alopecurus pratensis	FACW	H	40*
3 Lotus corniculatus	FAC	H	10
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase:	Oxley						
Is the soil on the hydric soils list?				Y/N	N	Undetermined	N
Matrix Color?	10YR 3/3	Soil Mottled? Y/N	Y	Mottle Color?		Gleyed? Y/N	N
Other hydric soil indicators:	Partially filled.						

HYDROLOGY

Surface Inundated?	Y/N N	Soil Saturated?	Y/N N
Depth to free standing water in test pit?	>18"		
Other field evidence of surface inundation or soil saturation:			

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N N
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale: Disturbed area. No evidence of hydrology . Vegetation criterion is weakly met--dominated by FAC species.

16G

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-19 SW
Field Investigator(s): Susan Cunningham — Plot or Pit No. S 59
Applicant/Owner: City of Springfield — Date: 5/26/93
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny with few scattered clouds
General Site Conditions: Developed field.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	90*
2 Trifolium pratense	FACU	H	90*
3 Lotus corniculatus	FAC	H	10
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Oxley
Is the soil on the hydric soils list? Y/N N — Undetermined N
Matrix Color? 10YR 3/3 — Soil Mottled? Y/N Y — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18"
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale:

16H

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-30 NE
Field Investigator(s): Bruce Henderson — Plot or Pit No.: B 20
Applicant/Owner: City of Springfield — Date: 6/12/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Heavy rain.
General Site Conditions: Agricultural field

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Geranium species	-	H	100*
2 Festuca species	FAC	H	15
3 Holcus lanatus	FAC	H	15
4 Dipsacus sylvestris	NI	H	80*
5 Cichorium intybus	-	H	20
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Wapato
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/3 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >24 inches
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale:

WETLAND SUMMARY SHEET

Date of Field Determination: 5/26/1993 **Wetland Code:** M 17

Wetland Data Points: S41, S43-44, S48

Upland Data Points: S40, S42, S45-47

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-32 SE

Other: West of abandoned drive-in

Classification: _

Cowardin: PEM **NWI:** Upland

Soil:

Series: Pengra, Oxley, Courtney

Color: 10YR 3/1, 3/2 with mottles

Hydrologic Basin: McKenzie River, middle reach

Size: 3.15

Dominant Plant Community:

Overstory	Understory	Ground cover
		Festuca rubra
		Ranunculus repens
		Equisetum arvense
		Plagiobothrys scouleri
		Alopecurus pratensis

Comments:

Disturbed area from past agricultural development. Area has been partially filled and ditched. Probable hydrologic source is surface runoff and precipitation. Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-32 SE
Field Investigator(s): Susan Cunningham — Plot or Pit No.: S 41
Applicant/Owner: City of Springfield — Date: 5/26/93
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny with few scattered clouds
General Site Conditions: Particially filled in drainage swale

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
✓1 Festuca arundinacea	FACU	H	80*
2 Alopecurus pratensis	FACW	H	40
3 Ranunculus repens	FACW	H	80*
4 Scirpus microcarpus	OBL	H	30
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%+ ~~100~~%

SOILS

Series/Phase: Pengra
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/2 — Soil Mottled? Y/N Y — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N Y @ surface
Depth to free standing water in test pit?
Other field evidence of surface inundation or soil saturation: Drainage patterns, standing water 1".

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale: Vegetation meets criteria based on non-dominant vegetation being hydrophytic.
This wetland has seasonal hydrology--dries out in the summer.

✓

17A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 43
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Particially filled in drainage swale		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Equisetum arvense	FAC	H	100*
2 Festuca arundinacea	FACU	H	20
3 Agrostis sp.	FAC	H	35*
4 Camassia quamash	FACW	H	5
5 Trifolium pratense	FACU	H	5
6 Scirpus microcarpus	FACW	H	5
7 Daucus carota	-	H	10
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y @ 6"

Depth to free standing water in test pit?

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale:

17B

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 44
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Particially filled in drainage swale		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Plagiobothrys scouleri	FACW	H	100*
2 Juncus effusus	FACW+	H	20
3 Deschampsia cespitosa	FACW	H	30
4 Alopecurus pratensis	FACW	H	40*
5 Camassia quamash	FACW	H	5
6 Ranunculus repens	FACW	H	30
7 Festuca arundinacea	FACU	H	20
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Oxley

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y @ surface

Depth to free standing water in test pit?

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale:

17C

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 48
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Particially filled in drainage swale		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	100*
2 Festuca arundinacea	FACU	H	60*
3 Ranunculus repens	FACW	H	60*
4 Camassia quamash	FACW	H	10
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 75 ~~100~~%

SOILS

Series/Phase: Oxley

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation: Drainage patterns. Moist at 10".

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale:

17D

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 40
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Particially filled w/ drainage swale		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
✓1 Festuca arundinacea	FACU	H	100*
2 Lotus corniculatus	FAC	H	100*
3 Vicia sp.	-	H	80*
4 Dactylis glomerata	FACU	H	20
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase:	Pengra						
Is the soil on the hydric soils list?				Y/N	Y	Undetermined	N
Matrix Color?	10YR 3/3	Soil Mottled? Y/N	N	Mottle Color?		Gleyed?	Y/N N
Other hydric soil indicators:							

HYDROLOGY

Surface Inundated?	Y/N N	Soil Saturated?	Y/N N
Depth to free standing water in test pit?			
Other field evidence of surface inundation or soil saturation:	Soils moist @ 12", no saturation.		

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N N
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale:

17E

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 42
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Particially filled in drainage swale		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU	H	100*
2 Dactylis glomerata	FACU	H	30
3 Lotus corniculatus	FAC	H	50*
4 Vicia sp.	-	H	20
5 Trifolium pratense	FACU	H	50*
6 Hypochaeris radicata	-	H	5
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 4000%

SOILS

Series/Phase: Pengra

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2, 3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: No evidence of hydrology. Dominated by FAC species.

17F

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 45
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Particially filled in drainage swale		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Dactylis glomerata	FACU	H	50*
2 Trifolium pratense	FACU	H	100*
3 Festuca arundinacea	FACU	H	80*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

SOILS

Series/Phase: Oxley

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/1, 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

17G

V

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-32 SE
Field Investigator(s): Susan Cunningham — Plot or Pit No.: S 46
Applicant/Owner: City of Springfield — Date: 5/26/93
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny with few scattered clouds
General Site Conditions: Particially filled in drainage swale

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU	H	100*
2 Lotus corniculatus	FAC	H	100*
3 Trifolium pratense	FACU	H	50*
4			
5			
6			
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9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Oxley
Is the soil on the hydric soils list? Y/N N — Undetermined N
Matrix Color? ____ Soil Mottled? Y/N ____ Mottle Color? ____ Gleyed? Y/N N
Other hydric soil indicators: Filled

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? ____
Other field evidence of surface inundation or soil saturation: ____

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale: Filled. Disturbed area. No evidence of hydrology. Dominated by FAC species.

✓

17H

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-32 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 47
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Particially filled in drainage swale		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU	H	100*
2 Dactylis glomerata	FACU	H	100*
3 Trifolium pratense	FACU	H	40
4 Agrostis sp.	FACW	H	5
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Oxley

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation: Some fill.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

WETLAND SUMMARY SHEET

Date of Field Determination: 6/11/1993 **Wetland Code:** M 18*

Wetland Data Points: None

Upland Data Points: None

* *Denotes Offsite Determination*

Location:

Legal: 17-2-28 NE, SE, NW, SW

Other: North of Highbanks Road (Blue Water Boats)

Classification: _

Cowardin: POW/PSS **NWI:** PUBHX

Soil:

Series: "Pits"

Color: Undetermined

Hydrologic Basin: McKenzie River, lower reach

Size: 40.72

Dominant Plant Community:

Overstory	Understory	Ground cover

Comments:

DSL has conducted onsite determination. DEA's offsite determination was made using infrared and b/w aerials. No information on soils or vegetation available. Probable hydrologic source is subsurface and surface flows from precipitation.

WETLAND SUMMARY SHEET

Date of Field Determination: 6/2/1992 **Wetland Code:** M 19

Wetland Data Points: C59

Upland Data Points: None

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-34 SE;

Other: North of Main between 65th Place and 66th Street

Classification: _

Cowardin: PFO **NWI:** Upland

Soil:

Series: Courtney

Color: 10YR 2/1

Hydrologic Basin: McKenzie River, headwater

Size: 0.37

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia	*Rosa gymnocarpa*	*Festuca arundinacea*
		Alopecurus pratensis
		Camassia quamash

Comments:

r). Probable hydrologic source is surface runoff and precipitation.

Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-34 SE
Field Investigator(s): Susan Cunningham — Plot or Pit No.: C 59
Applicant/Owner: City of Springfield — Date: 6/23/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny
General Site Conditions: Ash swale

Do normal environmental conditions exist at the plant community? Y/N: Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	100*
2 Festuca arundinacea	FACU-	H	80*
3 Alopecurus pratensis	FACW	H	80*
4 Carex species	FACW	H	40
5 Rumex crispus	FACW	H	20
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N: Y — Undetermined: N
Matrix Color? 10YR 2/1 — Soil Mottled? Y/N: N — Mottle Color? — Gleyed? Y/N: N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N: N — Soil Saturated? Y/N: N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation: Hydric soils

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N: Y
Is the hydric soil criterion met? Y/N: Y
Is the specific hydrology criterion met? Y/N: N
Is this plant community a wetland? Y/N: Y
Rationale:

WETLAND SUMMARY SHEET

Date of Field Determination: 11-Jun-92 **Wetland Code:** M 20

Wetland Data Points: C10

Upland Data Points: None

* ***Denotes Offsite Determination***

Location:

Legal: 17-3-15 SE, SW, NW;

Other: Maple Island Slough

Classification: _

Cowardin: RLP **NWI:** PFOc

Soil:

Series: Coburg **Color:** 10YR 2/2

Hydrologic Basin: McKenzie River, lower reach

Size: 0.52

Dominant Plant Community:

Overstory	Understory	Ground cover
Populus trichocarpa	Rubus ursinus	Phalaris arundinacea

Comments:

Incised, channelized, constrictive culverts and impounding roads. Low flow.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-3-15 SE
Field Investigator(s): Susan Cunningham
Plot or Pit No. C 10
Applicant/Owner: City of Springfield
Date: 6/11/92

County: Lane
State: Oregon

Prevailing Weather Conditions: Overcast and cool
General Site Conditions: Disturbed forested swale.

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Populus trichocarpa	FAC	T	80*
2 Fraxinus latifolia	FACW	T	10
3 Rubus ursinus	NI	S	90*
4 Phalaris arundinacea	FACW	H	100*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Coburg
Is the soil on the hydric soils list? Y/N N Undetermined N
Matrix Color? 10YR 2/2 Soil Mottled? Y/N Y Mottle Color? Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y Soil Saturated? Y/N Y
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale: Based on vegetation and soils. There is a road that goes over the creek. The creek is not culverted so you get an impounding effect.

WETLAND SUMMARY SHEET

Date of Field Determination: 6/10/1992 **Wetland Code:** M 21

Wetland Data Points: C2

Upland Data Points: None

* ***Denotes Offsite Determination***

Location:

Legal: 17-3-22 NE

Other: East of Game Farm Road near Beltline East

Classification: _

Cowardin: PEM **NWI:** Upland

Soil:

Series: Malabon

Color: 10YR 2/2 with 10YR 4/6 mottles

Hydrologic Basin: McKenzie River, headwater

Size: 0.39

Dominant Plant Community:

Overstory	Understory	Ground cover
		Phalaris arundinacea
		Rumex crispus

Comments:

Probable hydrologic source is surface runoff and precipitation.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-3-22 NE
Field Investigator(s): Susan Cunningham — Plot or Pit No. C 2
Applicant/Owner: City of Springfield — Date: 6/10/92

County: Lane — State: Oregon

Prevailing Weather Conditions: Sunny, overcast
General Site Conditions: Former river bed

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Phalaris arundinacea	FACW	H	80*
2 Holcus lanatus	FAC	H	20
3 Cirsium vulgare	FACU	H	20
4 Rumex crispus	FACW	H	40*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Malabon
Is the soil on the hydric soils list? Y/N N — Undetermined N
Matrix Color? 10YR 2/2 — Soil Mottled? Y/N Y — Mottle Color? 10YR 4/6 — Gleyed? Y/N N
Other hydric soil indicators: Faint mottles

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N Y @ 3"
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale: Based on all three criteria this is a wetland. It is also sparsely vegetated giving an impression that the plants are stressed.

21A

WETLAND SUMMARY SHEET

Date of Field Determination: 6/11/1992 **Wetland Code:** M 22

Wetland Data Points: L14, L35

Upland Data Points: L34

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-30 NE

Other: North of Marcola Road , Just Below M-15; Needs to be labeled on map set.

Classification: _

Cowardin: PEM **NWI:** Upland

Soil:

Series: Pengra

Color: 10YR 4/1, and 3/2 with mottles

Hydrologic Basin: McKenzie River, lower reach

Size: 0.10

Dominant Plant Community:

Overstory	Understory	Ground cover
		Holcus lanatus
		Eleocharis palustris
		Trifolium repens
		Parentucellia vicosa
		Lusula parviflora

Comments:

Small headwater seep disturbed by foraging livestock. Probable hydrologic source is subsurface flow. Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-30 NE		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 14
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool.		
General Site Conditions:	Beginning of a steep slope coming down a hill, area is not heavily grazed.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Holcus lanatus	FAC	H	60*
2 Eleocharis palustris	OBL	H	80*
3 Juncus species	FACW	H	15
4 Trifolium repens	FACU-	H	45*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase:	Pengra						
Is the soil on the hydric soils list?				Y/N	Y	Undetermined	N
Matrix Color?	10YR 4/1	Soil Mottled? Y/N	Y	Mottle Color?	10YR 5/6	Gleyed? Y/N	N
Other hydric soil indicators:							

HYDROLOGY

Surface Inundated? Y/N	N	Soil Saturated? Y/N	Y
Depth to free standing water in test pit?	10 inches		
Other field evidence of surface inundation or soil saturation:	Hydric soils and mottles		

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N	Y
Is the hydric soil criterion met? Y/N	Y
Is the specific hydrology criterion met? Y/N	Y
Is this plant community a wetland? Y/N	Y

Rationale: The site is a wetland at the head waters of a seep. per 1996 on-site check by DEA

22A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-30 NE
Field Investigator(s): Larry Devroy — Plot or Pit No.: L 35
Applicant/Owner: City of Springfield — Date: 6/25/92
County: Lane — State: Oregon
Prevailing Weather Conditions: High 70's, overcast
General Site Conditions: 50 ft. to the north of L34, area that is wetter and was reported by the person who maintains property in the spring.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Juncus ensifolius	FACW	H	5
2 Parentucellia viscosa	FAC-	H	70*
3 Juncus effusus	FACW+	H	60*
4 Holcus lanatus	FAC	H	20
5 Trifolium repens	FACU-	H	50*
6 Taraxacum ceratophorum	-	H	15
7 Luzula parviflora	FAC-	H	90*
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 25%

SOILS

Series/Phase: Pengra
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/2 — Soil Mottled? Y/N Y — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N Y
Depth to free standing water in test pit? 12 inches
Other field evidence of surface inundation or soil saturation: hydric soils and mottles

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N N
Rationale: Owner indicates that this slope is wet for a considerable period in the spring.
very questionable call - recheck if being developed

22B

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-30 NE		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 34
Applicant/Owner:	City of Springfield	Date:	6/25/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	High 70's, overcast		
General Site Conditions:	Slope on a pasture that is moderately heavily grazed by horses.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Holcus lanatus	FAC	H	75*
2 Poa species	FAC	H	70*
3 Parentucellia viscosa	FAC-	H	30
4 Plantago major	FAC+	H	25
5 Taraxicum ceratophorum	-	H	15
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Philomath

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >24 inches(none encountered

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: On slope that reportedly is wet in spring. However, there is a zone that is immediately adjacent to a true wetland. This area appears not to be saturated long enough to produce positive wetland indicators.

22C

WETLAND SUMMARY SHEET

Date of Field Determination: 6/11/1992 **Wetland Code:** M 23

Wetland Data Points: L9

Upland Data Points: L8

* ***Denotes Offsite Determination***

Location:

Legal: 17-3-25 SE

Other: South of Olympic, West of 28th Avenue East (old airport)

Classification: _

Cowardin: PSS **NWI:** Upland

Soil:

Series: Salem

Color: 10YR 4/1 with mottles

Hydrologic Basin: McKenzie River, headwater

Size: 0.19

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia		*Scirpus sp.*

Comments:

Possible former wet field now dewatered except for present linear, isolated patch. Located behind a former building foundation. Probable hydrologic source is surface runoff from precipitation.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-25 SE		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 9
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool.		
General Site Conditions:	Back of a foundation of an old building that is now gone.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	90*
2 Scirpus species	FACW	H	80*
3 Eleocharis palustris	OBL	H	5
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase:	Salem						
Is the soil on the hydric soils list?			Y/N	Y	Undetermined		N
Matrix Color?	10YR 4/1	Soil Mottled? Y/N	Y	Mottle Color?	few	Gleyed?	Y/N N
Other hydric soil indicators:	Oxidized rhizospheres, other indicators are not present.						

HYDROLOGY

Surface Inundated?	Y/N N	Soil Saturated?	Y/N N
Depth to free standing water in test pit?	>20 inches		
Other field evidence of surface inundation or soil saturation:	Water stain line on foundation immediately adjacent to the sample plot.		

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N Y
Is this plant community a wetland?	Y/N Y

Rationale: Water stained leaves on the ground that are different from the leaves in the upland. Debris scattered around that appears to be washed by water. In the wet season expect water here probably pooling for the wettest part of the season but nonetheless being within 18 inches of the surface for a good part of the early growing season.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-25 SE		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 8
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool.		
General Site Conditions:	Dewatered by deep ditches leading under Hwy. 126 from down near the fire station.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	95*
2 Galium aparine	FACU	H	90*
3 Vicia sativa	-	H	70*
4 Dactylis glomerata	FACU	H	trace
5 Bromus tinctorum	-	H	trace
6 Festuca arundinacea	FACU-	H	20
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

SOILS

Series/Phase: Salem

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/1 Soil Mottled? Y/N Y Mottle Color? faint Gleyed? Y/N N

Other hydric soil indicators: Soil is dry, no other indicators.

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >20 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N N
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale: This appears to have been dewatered by adjacent activities. Trees give evidence of what former hydrology was like. The readily changeable understory vegetation indicates that this has become an upland area. We would not expect wet conditions here for a long enough period in the early growing season to meet hydrology criteria. This is not a wetland.

WETLAND SUMMARY SHEET

Date of Field Determination: 6/11/1992 **Wetland Code:** M 24

Wetland Data Points: C23

Upland Data Points: C22

* ***Denotes Offsite Determination***

Location:

Legal: 17-3-26 NW;

Other: East of Pioneer Parkway, @ "S" Street

Classification: _

Cowardin: PEM **NWI:** Upland

Soil:

Series: Courtney

Color: 10YR 2/2, 3/1

Hydrologic Basin: McKenzie River, headwater

Size: 0.51

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia		*Holcus lanatus*
		Alopecurus pratensis
		Cytisus scoparius
		Juncus effusus

Comments:

Well incised culverted ditch on north end. Wetland was determined through both onsite and offsite methods. Probable hydrologic source is surface flow and precipitation.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-3-26 NW
Field Investigator(s): Susan Cunningham — Plot or Pit No.: C 23
Applicant/Owner: City of Springfield — Date: 6/11/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Overcast and cool
General Site Conditions: E-web right of way

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Rumex crispus	FACW	H	20
2 Holcus lanatus	FAC	H	20
3 Alopecurus pratensis	FACW	H	40*
4 Juncus effusus	FACW+	H	80*
5 Mentha arvensis	FAC	H	20
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/1 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation: Soil was moist, not saturated; cracked surface.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale: This is part of a wet swale. Half of it was done on-site but the other half was not because we did not have access to it. There is a dirt road that someone has driven on for some kind of agricultural use.

24A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-3-26 NW
Field Investigator(s): Susan Cunningham — Plot or Pit No.: C 22
Applicant/Owner: City of Springfield — Date: 6/11/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Overcast and cool
General Site Conditions: Abandoned ditch in an abandoned field

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	10*
2 Festuca arundinacea	FACU-	H	20
3 Holcus lanatus	FAC	H	90*
4 Daucus carota	-	H	10
5 Cytisus scoparius	-	S	20
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 2/2 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation: Cracked surface, drainage pattern.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N N
Rationale: This is a hydrologic link to a larger wet meadow to the south. Culvert on north end.

24B

WETLAND SUMMARY SHEET

Date of Field Determination: 6/11/1992 **Wetland Code:** M 25

Wetland Data Points: C17, C18 C21

Upland Data Points: C14-5,C49

* ***Denotes Offsite Determination***

Location:

Legal: 17-3-28 SE; 17-3-27 SE; 17-3-25,26,27 SW, SE; 17-2-30 SW; 17-2-31 NW;

Other: "Q" Street ditch.

Classification: _

Cowardin: PEM **NWI:** R2UBhx/R4BCx

Soil:

Series: Courtney

Color: 10YR 2/1, 2/2, 3/1, and 4/1 with mottles

Hydrologic Basin: McKenzie River, middle reach

Size: 24.00

Dominant Plant Community:

Overstory	Understory	Ground cover
Pyrus fusca	*Spiraea douglasii*	*Mentha arvensis*
Acer macrophyllum	*Rubus discolor*	*Phalaris arundinacea*
		Typha latifolia

Comments:

Wetland is linear and ditched, partly lined with either rip-rap or concrete. Hydrologic source is surface flow from precipitation runoff.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-3-27 SE

Field Investigator(s): Susan Cunningham — Plot or Pit No.: C17

Applicant/Owner: City of Springfield — Date: 6/11/93

County: Lane — State: Oregon

Prevailing Weather Conditions: Overcast

General Site Conditions: Q street ditch

Do normal environmental conditions exist at the plant community? Y/N: Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Phalaris arundinacea	FACW	H	100*
2 Festuca arundinacea	FACU-	H	20
3 Typha latifolia	OBL	H	20
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N: Y — Undetermined: N

Matrix Color? 10YR 3/1 — Soil Mottled? Y/N: Y — Mottle Color? — Gleyed? Y/N: N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N: Y — Soil Saturated? Y/N: Y

Depth to free standing water in test pit?

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N: Y

Is the hydric soil criterion met? Y/N: Y

Is the specific hydrology criterion met? Y/N: Y

Is this plant community a wetland? Y/N: Y

Rationale:

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-34 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 18
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool		
General Site Conditions:	Abandoned field		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	20*
2 Festuca arundinacea	FACU-	H	80*
3 Phalaris arundinacea	FACW	H	10
4 Holcus lanatus	FAC	H	90*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Dayton

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? 7.5 YR 4/4 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: The soil is slightly moist. Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N Y

Rationale: Based on vegetation and soils. Hydrology is assumed based on indicators.

25B

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-3-26 SW
Field Investigator(s): Susan Cunningham
Plot or Pit No. C 21
Applicant/Owner: City of Springfield
Date: 6/11/92
County: Lane
State: Oregon
Prevailing Weather Conditions: Overcast and cool
General Site Conditions: Q street ditch

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Phalaris arundinacea	FACW	H	100*
2 Festuca arundinacea	FACU-	H	20 ~~4~~
3 Pyrus fusca	FAC+	T	20*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66% ~~100%~~

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N Y Undetermined N
Matrix Color? 10YR 2/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y
Depth to free standing water in test pit? 15 inches
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale:

✓

25C

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-28 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 14
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool		
General Site Conditions:	Mowed parkway next to a bike trail		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Unidentified mowed lawn	-	H	100*
2	-		
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? Unknown

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N N
Is the hydric soil criterion met?	Y/N N
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale: Top of the bank of Q street ditch. Wetland limits are contained within the well-defined banks.

25D

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-3-27 SW
Field Investigator(s): Susan Cunningham — Plot or Pit No. C 15
Applicant/Owner: City of Springfield — Date: 6/11/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Overcast and cool
General Site Conditions: Q Street ditch

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Rubus discolor	FACU-	S	90*
2 Acer macrophyllum	FACU	T	20*
3 Salix species	OBL	H	10
4 Phalaris arundinacea	FACW	H	100*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 2/2 — Soil Mottled? Y/N Y — Mottle Color? 7.5YR 4/4 — Gleyed? Y/N
Other hydric soil indicators: Oxidized rhizospheres

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation: Soil is moist, not saturated; hydric soils with mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale:

25E

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-31 SW
Field Investigator(s): Susan Cunningham — Plot or Pit No.: C 49
Applicant/Owner: City of Springfield — Date: 6/22/92

County: Lane — State: Oregon

Prevailing Weather Conditions: Sunny, Hot
General Site Conditions: Dessler property. Burned field

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Rumex crispus	FACW	H	20*
2 Cirsium arvense	FACU+	H	20*
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Awbrig-urban
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 4/2 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale: A lot of rocks in soil, very dry. fill?

25F

WETLAND SUMMARY SHEET

Date of Field Determination: 6/10/1992, 5/25/1993 **Wetland Code:** M 26

Wetland Data Points: C6, S57

Upland Data Points: S54

* *Denotes Offsite Determination*

Location:

Legal: 17-3-27 NW, NE

Other: Guy Lee Park

Classification:

Cowardin: PFO/PEM/PSS **NWI:** Upland

Soil:

Series: Courtney

Color: 10YR 3/1, 3/2

Hydrologic Basin: McKenzie River, middle reach

Size: 1.85

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia	*Spiraea douglasii*	*Carex deweyana*
	Rosa sp.	*Juncus effusus*
	Oemleria cerasiformis	*Phalaris arundinacea*
		Galium aparine
		Cirsium arvense

Comments:

Probable hydrologic source is subsurface flow and surface runoff from precipitation. Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-27 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 6
Applicant/Owner:	City of Springfield	Date:	6/10/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny, overcast		
General Site Conditions:	Just E. of a forested riparian wetland, Scrub shrub wetland.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Carex obnupta	OBL	H	20
2 Juncus effusus	FACW+	H	80*
3 Holcus lanatus	FAC	H	10
4 Phalaris arundinacea	FACW	H	90*
5 Fraxinus latifolia	FACW	T	60*
6 Cirsium arvense	FACU+	H	80*
7 Spiraea douglasii	FACW	S	80*
8 Rosa species	NI	S	10*
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 80%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: hydric soils

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N Y

Rationale:

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-3-27 NW
Field Investigator(s): Susan Cunningham — Plot or Pit No.: S 57
Applicant/Owner: City of Springfield — Date: 5/26/93
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny with few scattered clouds
General Site Conditions: Park

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	100*
2 Equisetum hyemale	FACW	H	5*
3 Galium aparine	FACU	H	5*
4 Oemleria cerasiformis	-	S	10*
5 Carex deweyana	FAC+	H	15*
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 60%

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/1, 3/2 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N Y @ 8"
Depth to free standing water in test pit? 14"
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale: Forested wet pocket

✓

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-27 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 54
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Park		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU	H	100*
2 Vicia sp.	-	H	5
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Salem

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N faint Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale: Soils are marginal - only faint mottles. No evidence of hydrology.

26C

WETLAND SUMMARY SHEET

Date of Field Determination: 6/10/1992, 5/25/1993 **Wetland Code:** M 27

Wetland Data Points: C8, S53

Upland Data Points: C5, C11, S52, S55-56

* *Denotes Offsite Determination*

Location:

Legal: 17-3-27 NW, NE; 17-3-26 NW; 17-3-28 NE;

Other: "McKay site"

Classification: _

Cowardin: PEM/PFO **NWI:** PEMcx

Soil:

Series: Oxley-Urban, Courtney

Color: N4Y, 10YR 3/1, 3/2

Hydrologic Basin: McKenzie River, middle reach

Size: 8.28

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia	*Spiraea douglasii*	*Typha latifolia*
Salix sp.		*Phalaris arundinacea*
		Carex obnupta
		Alopecurus pratensis
		Festuca rubra

Comments:

Hydrologic source is surface flow from precipitation.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-27 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 8
Applicant/Owner:	City of Springfield	Date:	6/10/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny, overcast		
General Site Conditions:	Forested ditch		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	80*
2 Salix species	FACW	T	20*
3 Spiraea douglasii	FACW	S	80*
4 Typha latifolia	OBL	H	10*
5 Carex obnupta	OBL	H	10*
6 Phalaris arundinacea	FACW	H	20*
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Oxley-urban

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? N4Y Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N Y

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y Soil Saturated? Y/N Y

Depth to free standing water in test pit? N/A

Other field evidence of surface inundation or soil saturation: High water marks

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: Ditched area that runs along I-5 and Q street and has been ditched in past and has 12 foot slopes. Recovered nicely and is forested so there is normal vegetation.

27A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-27 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 53
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Park		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
✓1 Festuca arundinacea	FACU	H	80*
2 Alopecurus pratensis	FACW	H	100*
3 Camassia quamash	FACW	H	T
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/1, 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation: Soils are moist, but no saturation or standing water. Hydric soils.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale: Canal drains this area. Water does not appear to stay in the soil long enough to meet the hydrology criteria.

27B

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-27 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 5
Applicant/Owner:	City of Springfield	Date:	6/10/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny, overcast		
General Site Conditions:	Park, well maintained mowed lawn		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	100
2 Unidentified grass - mowed	-	H	100
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? >50%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 2/2 Soil Mottled? Y/N Y Mottle Color? 7.5YR 4/4 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: Cracked surface soil.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Unknown
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale: Marginal area. No hydrology 4/22/94 EMR-DSL

27C

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-27 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 11
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool		
General Site Conditions:	Forested swale between 2 properties. Has been ditched.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	100*
2 Rubus laciniatus	FACU+	S	90*
3 Galium triflorum	FACU	H	20*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Salem-urban

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 4/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

✓

27D

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-27 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 52
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Park		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	100*
2 Agrostis sp.	FAC	H	90*
3 Galium triflorum	FACU	H	30*
✓4 Festuca arundinacea	FACU	H	20
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase:	Courtney						
Is the soil on the hydric soils list?				Y/N	Y	Undetermined	N
Matrix Color?	10YR 3/2	Soil Mottled? Y/N	Y	Mottle Color?		Gleyed? Y/N	N
Other hydric soil indicators:							

HYDROLOGY

Surface Inundated?	Y/N N	Soil Saturated?	Y/N N
Depth to free standing water in test pit?	>18"		
Other field evidence of surface inundation or soil saturation:			

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale: No evidence of hydrology. Fails FAC-neutral test. Hydrology does not appear to be present long enough to meet the hydrology criterion. The canal through this area drains this area.

✓

27E

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-27 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 55
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Adjacent to Park		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
✓1 Festuca arundinacea	FACU	H	100*
2 Dactylis glomerata	FACU	H	15
3 Vicia sp.		H	3
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Salem

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N N
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale: Vegetation alone is not enough to call this area wetland.

✓

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-27 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 56
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Park		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	100*
2 Agrostis tenuis	FAC	H	80*
3 Festuca arundinacea	FACU	H	80*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Salem

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/1, 3/2 Soil Mottled? Y/N Y Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation: Soils are moist but not saturated.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Marginal area. Vegetation is dominated by FAC species. Hydrology criterion not met.
Canal drains this area. Water does not appear to stay in the soil long enough to meet the hydrology criteria.

WETLAND SUMMARY SHEET

Date of Field Determination: 6/10/1992 **Wetland Code:** M 28

Wetland Data Points: ACOE Mitigation Site

Upland Data Points: C1

* ***Denotes Offsite Determination***

Location:

Legal: 17-3-22 SW; 17-3-28 NE; 17-3-21 SE;

Other: ACOE Gateway Mall ditch

Classification: _

Cowardin: PEM **NWI:** PSSX

Soil:

Series: Coburg

Color: Undetermined

Hydrologic Basin: McKenzie River, middle reach

Size: 1.51

Dominant Plant Community:

Overstory	Understory	Ground cover
		Cirsium arvense
		Typha latifolia
		Phalaris arundinacea
		Holcus lanatus

Comments:

This site is a ACOE mitigation site (ditch). Adjacent area is filled. Wetland limits TOB. Hydrologic source is limited to surface runoff and precipitation.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-28 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 1
Applicant/Owner:	City of Springfield	Date:	6/10/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny, overcast		
General Site Conditions:	Filled corner between Gateway mall and I-5.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Cirsium arvense	FACU+	H	50*
2 Typha latifolia	OBL	H	10*
3 Phalaris arundinacea	FACW	H	20*
4 Holcus lanatus	FAC	H	10*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 75%

SOILS

Series/Phase: Coburg

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? Soil Mottled? Y/N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators: Filled - not taken.

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit?

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Unknown

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: On the edge of a ditched Corps of Engineers mitigation project for the Gateway mall. Fenced off, soils not able to be sampled. Wetland limits are top-of-bank.

WETLAND SUMMARY SHEET

Date of Field Determination: _____ **Wetland Code:** M 29*

Wetland Data Points: C35-36

Upland Data Points: None

* *Denotes Offsite Determination*

Location:

Legal: 18-2-5 NE; 17-2-32 SE;

Other: North of Booth Kelly Road

Classification: _

Cowardin: PEM **NWI:** Upland

Soil:

Series: _____ **Color:** _____

Hydrologic Basin: McKenzie River, middle reach

Size: 1.08

Dominant Plant Community:

Overstory	Understory	Ground cover

Comments: Stormwater runoff from hillside to west is impounded by Booth Kelly Rd. Hydrophytic veg has developed. May be jurisdictional.

✓

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 18-2-5 NE
Field Investigator(s): Susan Cunningham — Plot or Pit No. S 35
Applicant/Owner: City of Springfield — Date: 5/25/93

County: Lane — State: Oregon

Prevailing Weather Conditions: Showers and Thunder storms
General Site Conditions: Normal stormwater run-off is impounded by Booth Kelly Rd.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Salix Sp.	FACW+	T	40*
2 Fraxinus latifolia	FACW	T	40*
3 Typha latifolia	OBL	H	10
4 Festuca rubra	FAC	H	100*
5 Rubus discolor	FACU-	S	10
6 Populus trichocarpa	FAC	T	40
7 Alopecurus pratensis	FACW	H	20
8 Agrostis sp.	FAC	H	30
9 Ranunculus repens	FACW	H	10
10 Carex obnupta	OBL	H	10

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Ochrepts & Umbrepts
Is the soil on the hydric soils list? Y/N N — Undetermined N
Matrix Color? 10YR 3/1 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y — Soil Saturated? Y/N Y @ surface
Depth to free standing water in test pit?
Other field evidence of surface inundation or soil saturation: Drainage patterns.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale: All criteria met.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 18-2-5 NE
Field Investigator(s): Susan Cunningham — Plot or Pit No. S 36
Applicant/Owner: City of Springfield — Date: 5/25/93

County: Lane — State: Oregon

Prevailing Weather Conditions: Showers and Thunder storms
General Site Conditions: Forested steep bank.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	100*
2 Pseudotsuga menziesii	-	T	10
3 Rubus discolor	FACU-	S	40*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Ochrepts & Umbrepts
Is the soil on the hydric soils list? Y/N — Undetermined N
Matrix Color? 10YR 3/3 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18"
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale: Forested bank.

29B

WETLAND SUMMARY SHEET

Date of Field Determination: 6/22/1992, 5/25/1993 **Wetland Code:** M 30

Wetland Data Points: C53-C54, S49

Upland Data Points: S34

* ***Denotes Offsite Determination***

Location:

Legal: 18-2-4 NE, NW;

Other: North of Jasper Road

Classification: _

Cowardin: PFO/PEM/POW **NWI:** PUBfx

Soil:

Series: Courtney

Color: 10YR 3/1, 3/2, and 4/1 with mottles

Hydrologic Basin: McKenzie River, middle reach

Size: 6.49

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia		*Holcus lanatus*
		Alopecurus pratensis
		Urtica dioica
		Carex obnupta

Comments:

Partially off-site. Heavily grazed on one-half of site, otherwise forested. Western portion of site was not sampled due to lack of granted property-owner access. Probable hydrologic source is subsurface flow and surface runoff from precipitation. Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-2-4 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 53
Applicant/Owner:	City of Springfield	Date:	6/22/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny, Hot		
General Site Conditions:	Grazed field		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Holcus lanatus	FAC	H	100*
2 Alopecurus pratensis	FACW	H	50*
3 Taraxacum officinale	FACU	H	10
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: Based on vegetation and soils. Hydrology is assumed based on observed redoximorphic features (mottles, etc.) in mapped hydric soil, sign of past seasonal ponding.

30A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-2-4 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 54
Applicant/Owner:	City of Springfield	Date:	6/22/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny, Hot		
General Site Conditions:	Grazed field		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Urtica dioica	FAC+	H	100*
2 Fraxinus latifolia	FACW	T	90*
3 Acer macrophyllum	FACU	T	15
4 Pteridium aquilinum	FACU	H	20
5 Carex obnupta	OBL	H	50*
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 4/1 Soil Mottled? Y/N Y Mottle Color? 10YR 4/8 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y Soil Saturated? Y/N N

Depth to free standing water in test pit? at 18 inches

Other field evidence of surface inundation or soil saturation: glistening sides at 4"

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale:

30B

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 18-2-4 NE
Field Investigator(s): Susan Cunningham — Plot or Pit No.: S 49
Applicant/Owner: City of Springfield — Date: 5/26/93
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny with few scattered clouds
General Site Conditions: Forested wetland.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	100*
2 Ranunculus repens	FACW	H	20
3 Scirpus microcarpus	OBL	H	20
4 Festuca arundinacea	FACU	H	100*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/1 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y — Soil Saturated? Y/N N
Depth to free standing water in test pit?
Other field evidence of surface inundation or soil saturation: Standing water, drainage patterns.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale:

✓

30C

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 18-2-4 NE
Field Investigator(s): Susan Cunningham — Plot or Pit No. S 34
Applicant/Owner: City of Springfield — Date: 5/25/93

County: Lane — State: Oregon

Prevailing Weather Conditions: Showers and Thunder storms
General Site Conditions: Forested area.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	5
2 Fraxinus latifolia	FACW	T	100*
3 Oemleria cerasiformis	UPL	S	30*
4 Current sp.	UPL	T	20
5 Galium sp.	UPL	H	5
6 Polystichum munitum	UPL	H	80*
7 Rhamnus purshiana	NI	S	90*
8 Sambucus racemosa	FACU	S	20*
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 20%

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/2 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18"
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale: Wetland area in meadow area is larger than first mapped, need access.

✓

30D

WETLAND SUMMARY SHEET

Date of Field Determination: 6/10/1992 **Wetland Code:** M 31

Wetland Data Points: None

Upland Data Points: None

* *Denotes Offsite Determination*

Location:

Legal: 17-2-30 SE

Other: North of Eugene-Springfield Highway; West of 42nd Street

Classification: _

Cowardin: POW **NWI:** PUBHx

Soil:

Series: Cloquato-Urban

Color: Undetermined

Hydrologic Basin: McKenzie River, middle reach

Size: 8.06

Dominant Plant Community: Non-Jurisdictional Log Pond

Overstory	Understory	Ground cover

Comments:

Industrial mill pond with industrial land use surrounding site. DSL determined this pond, constructed out of uplands soils, to be non-jurisdictional.

WETLAND SUMMARY SHEET

Date of Field Determination: 6/10/1992 **Wetland Code:** M 32

Wetland Data Points: None

Upland Data Points: L7

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-30 NW, 17-3-25 NE;

Other: West of North 31st Street (Pierce site)

Classification: _

Cowardin: PEM **NWI:** Upland

Soil:

Series: Malabon, Oxley, Salem

Color: Undetermined

Hydrologic Basin: McKenzie River, lower reach

Size: 3.39

Dominant Plant Community: Non-Jurisdictional Site

Overstory	Understory	Ground cover

Comments:

Deeply incised ditch with emergent (sparse) vegetation. DSL/ACOE have designated as non-jurisdictional site.

Probable hydrologic source is surface flow from precipitation.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-25 NE North of Springfield Mall		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 7
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool.		
General Site Conditions:	Mowed and probably compacted over the years. Significantly disturbed by development.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU-	H	80*
2 Dactylis glomerata	FACU	H	20
3 Vicia sativa	-	H	30*
4 Poa species	FAC	H	10
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0

SOILS

Series/Phase: Oxley

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 7.5YR 4/4, 4/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >20 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

WETLAND SUMMARY SHEET

Date of Field Determination: 6/23/1992 **Wetland Code:** M 33

Wetland Data Points: None

Upland Data Points: B23

* *Denotes Offsite Determination*

Location:

Legal: 17-2-29 SW, SE; 17-2-20 SE; 17-2-32 NW;

Other: North of Weyerhaeuser, South of Highway 126, "McKenzie Slough"

Classification: _

Cowardin: POW; PSS; RLP; **NWI:** R2UBh

Soil:

Series: Open Water

Color: Undetermined

Hydrologic Basin: McKenzie River, lower reach

Size: 13.75

Dominant Plant Community: Non-Jurisdictional Log Pond

Overstory	Understory	Ground cover
	Rubus ursinus	*Equisetum hyemale*

Comments:

Area comprises Weyerhaeuser Co. log ponds adjacent to McKenzie Slough.

DSL jurisdictional correspondance date oct 6, 1992 Det 92-0222

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-29 SW
Field Investigator(s): Bruce Henderson — Plot or Pit No. B 23
Applicant/Owner: City of Springfield — Date: 6/23/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny, clear and hot, 100 F
General Site Conditions: Weyerhauser land. Disturbed riparian.

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Rubus ursinus	NI	S	100*
2 Dactylis glomerata	FACU	H	100*
3 Equisetum hyemale	FACW	H	90*
4 Equisetum arvense	FAC	H	20
5 Holcus lanatus	FAC	H	20
6 Juncus effusus	FACW+	H	10
7 Festuca species	FAC	H	20
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/3 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >24 inches
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale:

33A

WETLAND SUMMARY SHEET

Date of Field Determination: 6/25/1992 **Wetland Code:** M 34

Wetland Data Points: S39

Upland Data Points: S37-38

* ***Denotes Offsite Determination***

Location:

Legal: 18-2-5 NE; 17-2-32 SE

Other: Northeast of Booth Kelly Road

Classification: _

Cowardin: PFO **NWI:** Upland

Soil:

Series: Courtney

Color: 10YR 3/2 with mottles

Hydrologic Basin: McKenzie River

Size: 0.08

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia	*Rosa gymnocarpa*	*Camassia quamash*
		Agrostis sp.

Comments:

Small isolated ash grove. Moderate-low value wetland due to size, no connectivity, moderate plant diversity and wildlife habitat. Probable hydrologic source is surface runoff from precipitation. Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-2-5 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 39
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Vacant lot - small ash grove.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Rosa gymnocarpa	NI	S	80*
2 Fraxinus latifolia	FACW	T	100*
3 Camassia quamash	FACW	H	20*
4 Agrostis sp.	FAC	H	15*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y

Depth to free standing water in test pit? 6"

Other field evidence of surface inundation or soil saturation: Water marks 4" high

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: All criteria met.

34A

David Evans and Associates, Inc.
2828 SW Corbett Avenue, Portland Oregon 97201 (503) 223-6663 FAX (503) 223-2701

WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 18-2-5 NE
Field Investigator(s): Susan Cunningham — Plot or Pit No.: S 37
Applicant/Owner: City of Springfield — Date: 5/25/93
County: Lane — State: Oregon
Prevailing Weather Conditions: Showers and Thunder storms
General Site Conditions: Vacant lot.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
✓1 Festuca arundinacea	FACU	H	100*
2 Alopecurus pratensis	FACW	H	5
3 Camassia quamash	FACW	H	5
4 Vicia sp.	-	H	100*
5 Lotus corniculatus	FAC	H	25
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/2 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N Y @ surface
Depth to free standing water in test pit?
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N N
Rationale: Hydrology is not present long enough to support hydrophytic vegetation.

34B

✓

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-2-5 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 38
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Vacant lot.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Rubus discolor	FACU-	S	10*
2 Bromus sp.	-	H	100*
3 Gallium sp.	FACU	H	30
4 Rumex crispus	FACW	H	5
5 Hypochaeris radicata	-	H	80
6 Vicia sp.	-	H	60
7 Dactylis glomerata	FACU	H	40
8 Festuca arundinacea	FACU	H	40
9 Arrhenatherum elatius	-	H	40
10			30

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators: Some rocks, possible fill.

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

34C

WETLAND SUMMARY SHEET

Date of Field Determination: 6/25/1992 **Wetland Code:** M 35

Wetland Data Points: S7-9, S15

Upland Data Points: S20, S24

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-34 SW, SE

Other: Foot of Potato Hill

Classification: _

Cowardin: PEM; **NWI:** Upland

Soil:

Series: Courtney

Color: 10YR 3/1, 3/2 with mottles

Hydrologic Basin: McKenzie River, lower reach

Size: 4.91

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia		*Alopecurus pratensis*
		Festuca rubra
		Ranunculus repens
		Mentha arvensis

Comments:

Determination conducted partly onsite and partly offsite. Probable hydrologic source is surface runoff from precipitation. Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 7
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill--emergent vegetation		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
✓ 1 Festuca arundinacea	FACU	H	100*
2 Ranunculus repens	FACW	H	20
3 Vicia sp.	UPL	H	5
4 Epilobium angustifolium	FACU+	H	10
5 Mentha arvensis	FAC	H	50*
6 Alopecurus pratensis	FACW	H	10
7 Juncus tenuis	FAC	H	40
8 Agrostis sp.	FAC-FACU	H	10
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Coutney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/1, 3/2 Soil Mottled? Y/N Y Mottle Color? 10YR 4/6 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y @ surface

Depth to free standing water in test pit? 8"

Other field evidence of surface inundation or soil saturation: Drainage patterns, matted vegetation

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale:

35A

David Evans and Associates, Inc.
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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-34 SW
Field Investigator(s): Susan Cunningham — Plot or Pit No. S 8
Applicant/Owner: City of Springfield — Date: 5/25/93

County: Lane — State: Oregon

Prevailing Weather Conditions: Showers and Thunder storms
General Site Conditions: Foot of Patato Hill--emergent vegetation

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
✓ 1 Festuca arundinacea	FACU	H	100*
2 Alopecurus pratensis	FACW	H	80*
3 Ranunculus repens	FACW	H	40
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/1, 3/2 — Soil Mottled? Y/N Y — Mottle Color? 10YR 4/6 — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N Y @ surface
Depth to free standing water in test pit? 3"
Other field evidence of surface inundation or soil saturation: Drainage patterns and matted vegetation

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale:

35B

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 9
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill–emergent vegetation		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU	H	100*
2			
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y Soil Saturated? Y/N Y

Depth to free standing water in test pit?

Other field evidence of surface inundation or soil saturation: 2" of surface inundation

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y N

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y undetermined

Rationale: Very little (almost zero) vegetative diversity.

35C

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 15
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	45*
2 Festuca arundinacea	FACU	H	100*
3 Alopecurus pratensis	FACW	H	45
4 Ranunculus repens	FACW	H	100*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10 YR 3/2 Soil Mottled? Y/N Y Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y @ 2"

Depth to free standing water in test pit? 10"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale:

✓

35D

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-34 SW
Field Investigator(s): Susan Cunningham — Plot or Pit No. S 20
Applicant/Owner: City of Springfield — Date: 5/25/93

County: Lane — State: Oregon

Prevailing Weather Conditions: Showers and Thunder storms
General Site Conditions: Foot of Patato Hill

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
✓1 Festuca arundinacea	FACU	H	100*
2 Dactylis glomerata	FACU	H	30
3 Ranunculus repens	FACW	H	20
4 Fraxinus latifolia	FACW	T	20*
5 Sambucus racemosa	FACU	S	20*
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/2 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18"
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale: Soils and hydrology not present.

35E

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 24
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	10
2 Quercus garryana	-	T	10
3 Pseudotsuga menziesii	-	T	90*
4 Polystichum munitum	-	H	30*
5 Sambucus racemosa	FACU	S	30*
6 Rubus discolor	FACU-	S	30*
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Nekia

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

WETLAND SUMMARY SHEET

Date of Field Determination: 5/25/1993 **Wetland Code:** M 36

Wetland Data Points: S29

Upland Data Points: S28

* *Denotes Offsite Determination*

Location:

Legal: 17-2-34 SE

Other: Foot of Potato Hill

Classification:

Cowardin: PEM **NWI:** Upland

Soil:

Series: Pengra

Color: 10YR 3/2 with mottles

Hydrologic Basin: McKenzie River, lower reach

Size: 0.75

Dominant Plant Community:

Overstory	Understory	Ground cover
		Festuca ~~rubra~~ arundinacea

Comments:

Part of Potato Hill. Probable hydrologic source is surface runoff from precipitation. Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-34 SE
Field Investigator(s): Susan Cunningham — Plot or Pit No. S 29
Applicant/Owner: City of Springfield — Date: 5/25/93
County: Lane — State: Oregon
Prevailing Weather Conditions: Showers and Thunder storms
General Site Conditions: Foot of Patato Hill

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
✓ 1 Festuca arundinacea	FACU	H	100*
2 Alopecurus pratensis	FACW	H	30
3 Ranunculus repens	FACW	H	30
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Pengra
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/2 — Soil Mottled? Y/N Y — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N Y @ surface
Depth to free standing water in test pit? 8"
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale: All criteria met.

✓

36A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 28
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:		Indicator Status	Stratum	% Cover
1	Fraxinus latifolia	FACW	T	10
2	Pseudotsuga menziesii	-	T	80*
3	Quercus garryana	-	T	20*
✓4	Festuca arundinacea	FACU	H	60*
5	Dactylis glomerata	FACU	H	30*
6	Ranunculus repens	FACW	H	10
7				
8				
9				
10				

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 25%

SOILS

Series/Phase: Pengra

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N N
Is the hydric soil criterion met?	Y/N N
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale: None of the parameters are met.

✓

36B

WETLAND SUMMARY SHEET

Date of Field Determination: 5/25/1993 **Wetland Code:** M 37

Wetland Data Points: S17

Upland Data Points: S18, S30

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-34 SE

Other: East side of Potato Hill

Classification: _

Cowardin: PEM **NWI:** Upland

Soil:

Series: Dixonville-Philomath-Hazelair

Color: 10YR 3/2 with mottles

Hydrologic Basin: McKenzie River, lower reach

Size: 0.40

Dominant Plant Community: Non-Jurisdictional Site

Overstory	Understory	Ground cover
Fraxinus latifolia		*Festuca ~~rubra~~ arundinacea*
		Alopecurus pratensis

Comments:

Small seasonal drainage that empties into a culvert on north end. Probable hydrologic source is surface runoff from precipitation. Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-34 SE
Field Investigator(s): Susan Cunningham — Plot or Pit No. S 17
Applicant/Owner: City of Springfield — Date: 5/25/93
County: Lane — State: Oregon
Prevailing Weather Conditions: Showers and Thunder storms
General Site Conditions: Foot of Patato Hill

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	30*
2 Festuca arundinacea	FACU	H	100*
3 Camassia quamash	FACW	H	40
4 Ranunculus repens	FACW	H	40
5 Alopecurus pratensis	FACW	H	50*
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Dixonville-Philomath-Hazelair
Is the soil on the hydric soils list? Y/N N — Undetermined N
Matrix Color? 10YR 3/2 — Soil Mottled? Y/N Y — Mottle Color? 10YR 4/6 — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y — Soil Saturated? Y/N Y
Depth to free standing water in test pit? >18"
Other field evidence of surface inundation or soil saturation: Running water

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale: Seasonal drainage

37A

David Evans and Associates, Inc.
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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-34 SE
Field Investigator(s): Susan Cunningham — Plot or Pit No.: S 18
Applicant/Owner: City of Springfield — Date: 5/25/93
County: Lane — State: Oregon
Prevailing Weather Conditions: Showers and Thunder storms
General Site Conditions: Foot of Patato Hill

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
✓ 1 Festuca arundinacea	FACU	H	100*
2 Dactylis glomerata	FACU	H	30*
3 Pseudotsuga menziesii	-	T	20*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

SOILS

Series/Phase: Courtney
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/2 — Soil Mottled? Y/N Y — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18"
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale: Vegetation and hydrology criteria not met.

37B

David Evans and Associates, Inc.
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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-34 SE
Field Investigator(s): Susan Cunningham — Plot or Pit No. S 30
Applicant/Owner: City of Springfield — Date: 5/25/93

County: Lane — State: Oregon

Prevailing Weather Conditions: Showers and Thunder storms
General Site Conditions: Foot of Patato Hill. Mowed field

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 grass	Unknown	H	100*
2 Hypochaeris radicata	-	H	10
3 Ranunculus repens	FACW	H	10
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? Unknown

SOILS

Series/Phase: Pengra
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/2 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18"
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Unknown
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale: Disturbed criteria - not a wetland

37C

WETLAND SUMMARY SHEET

Date of Field Determination: 5/25/1993 **Wetland Code:** M 38

Wetland Data Points: S14

Upland Data Points: None

* ***Denotes Offsite Determination***

Location:

Legal: 17-2-34 SW

Other: Foot of Potato Hill

Classification: _

Cowardin: PEM/PFO **NWI:** Upland

Soil:

Series: Courtney

Color: 10YR 3/1, and 3/2 with mottles

Hydrologic Basin: McKenzie River, lower reach

Size: 0.08

Dominant Plant Community: Non-Jurisdictional Log Pond

Overstory	Understory	Ground cover
Populus trichocarpa	*Rubus ursinus*	*Phalaris arundunacea*
Acer macrophyllum		~~*Festuca rubra*~~
		Ranunculus repens

Comments:

Part of larger Potato Hill wetland complex. Probable hydrologic source is surface runoff from precipitation. Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-34 SW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 14
Applicant/Owner:	City of Springfield	Date:	5/25/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Showers and Thunder storms		
General Site Conditions:	Foot of Patato Hill		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
✓ 1 Festuca arundinacea	FACU	H	100*
2 Ranunculus repens	FACW	H	40*
3 Bellis perennis	(-)	H	10
4 Juncus tenuis	FAC	H	30
5 Populus trichocarpa	FACW?	T	20*
6 Acer macrophyllum	FACU	T	20*
7 Rubus ursinus	NI	S	20*
8 Phalaris arundinacea	FACW	H	40*
9			
10			4/6

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 67%

SOILS

Series/Phase: Courtney

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/1, 3/2 Soil Mottled? Y/N Y Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y Soil Saturated? Y/N Y

Depth to free standing water in test pit?

Other field evidence of surface inundation or soil saturation: 2" of surface water

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N Y
Is this plant community a wetland?	Y/N Y

Rationale: Small depression in sideyard. Connected to forested ditch on east.

38A

WETLAND SUMMARY SHEET

Date of Field Determination: 4/23/96 **Wetland Code:** M40

Wetland Data Points: K17, K19, K21

Upland Data Points: K18, K20, K22

* ***Denotes Offsite Determination***

Location:

Legal:

Other: Cedar Creek

Classification:

Cowardin: RLP **NWI:** R2UBH

Soil:

Series: Fluvents, Champman-Urban Complex, Camas

Color: 10YR 3/2

Hydrologic Basin: McKenzie River

Size: 16.51

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia	*Cornus stolonifera*	*Phalaris arundinacea*
Alnus rubra	*Rubus discolor*	*Ranunculus repens*
	Salix lasiandra	*Trifolium repens*

Comments:

Wetland Routine Onsite Determination Data Sheet

Project Location:	Cedar Creek		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-17
Applicant/Owner:	City of Springfield	**Date:**	4/24/96
County:	Lane	**State:**	Oregon
Plot or pit location:	3 feet east of creek at toe of slope, immediately west of Billings Road		
Prevailing Weather Conditions:	Partly cloudy with scattered showers, temperature low 50s F.		

General Site Conditions:

Riparian corridor along Cedar Creek

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but site has been impacted by Billings Road construction

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Fraxinus latifolia*	FACW	T	50*
2 *Alnus rubra*	FAC	T	20*
3 *Cornus stolonifera*	FACW	S	30*
4 *Symphoricarpos albus*	FACU	S	5
5 *Phalaris arundinacea*	FACW	H	90*
6 *Solanum dulcamara*	FAC+	H	10
7 *Urtica diolca*	FAC+	H	5
8 *Rubus discolor*	FACU	H	2
9 *Lamium purpureum*	UPL	H	2
10 *Senecio vulgaris*	FACU	H	1
			* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

Soils:

Mapped Series: Fluvents **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/2 with fine, common, distinct 10YR 3/4 soft iron masses along pores

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. **Y/N** No

Visual observation of soil saturation. **Y/N** Yes

Depth to saturated soil: Surface **Depth to free standing water:** 12"

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? **Y/N** Yes

Is the hydric soil criterion met? **Y/N** Yes

Is the specific hydrology criterion met? **Y/N** Yes

Is this plant community a wetland? **Y/N** Yes

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Cedar Creek		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-19
Applicant/Owner:	City of Springfield	**Date:**	4/24/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Pasture west of driveway in Tax Lot 500, ~20 feet southeast of Cedar Creek		
Prevailing Weather Conditions:	Partly cloudy with scattered showers, temperature low 50s F.		

General Site Conditions:

Pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but all trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Ranunculus repens*	FACW	H	80*
2 *Festuca arundinacea*	FAC-	H	40*
3 *Trifolium repens*	FAC	H	40*
4 *Alopecurus pratensis*	FACW	H	10
5 *Poa annua*	FAC	H	15
6 *Taraxacum officinale*	FACU	H	5
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 67%

Soils:

Mapped Series: Chapman-Urban Complex **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-8" 10YR 3/2; 8-18" 10YR 4/1.5 with medium, common, distinct 10YR 4/6 soft iron masses along pores and ped surfaces

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N Yes

Depth to saturated soil: Surface **Depth to free standing water:** 6"

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	Y/N Yes
Is the hydric soil criterion met?	Y/N Yes
Is the specific hydrology criterion met?	Y/N Yes
Is this plant community a wetland?	Y/N Yes

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Cedar Creek		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-21
Applicant/Owner:	City of Springfield	**Date:**	4/24/96
County:	Lane	**State:**	Oregon
Plot or pit location:	75' west of Weaver Road, ~ 100 north of Cedar Creek		
Prevailing Weather Conditions:	Partly cloudy with scattered showers, temperature low 50s F.		

General Site Conditions:

Floodplain bench of Cedar Creek

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

None

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Rubus discolor*	FACU	S	40*
2 *Salix lasiandra*	FACW+	S	20*
3 *Cornus stolonifera*	FACW	S	5
4 *Alnus rubra*	FAC	S	5
5 *Phalaris arundinacea*	FACW	H	100*
6 *Rumex crispus*	FAC+	H	2
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 67%

Soils:

Mapped Series: Camas gravelly sandy loam **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" variegated: 80% 10YR 4/1 with medium, common, distinct 10YR 4/6 SIMs*; 20% 10YR 3/2.5 with few, faint 10 YR4/4 SIMs

Other hydric soil indicators:

*SIMs = soft iron masses

Hydrology:

Visual observation of inundation. **Y/N** No

Visual observation of soil saturation. **Y/N** Yes

Depth to saturated soil: Surface **Depth to free standing water:** 14"

Drift lines. Y/N Yes **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	**Y/N**	Yes
Is the hydric soil criterion met?	**Y/N**	Yes
Is the specific hydrology criterion met?	**Y/N**	Yes
Is this plant community a wetland?	**Y/N**	Yes

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Cedar Creek		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-18
Applicant/Owner:	City of Springfield	**Date:**	4/24/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Top of bank, immediately east of Plot K-17		
Prevailing Weather Conditions:	Partly cloudy with scattered showers, temperature low 50s F.		

General Site Conditions:

Riparian corridor along Cedar Creek

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but site has been impacted by XXXXX Road construction

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Phalaris arundinacea*	FACW	H	70*
2 *Trifolium pratense*	FACU	H	30*
3 *Cerastium vulgatum*	UPL	H	20
4 *Plantago major*	FACU+	H	15
5 *Taraxacum officinale*	FACU	H	15
6 *Cirsium arvense*	FACU+	H	10
7 *Cerastium vulgatum*	UPL	H	5
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

Soils:

Mapped Series: Camas gravelly sandy loam — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3.5/2.5

Other hydric soil indicators:

No redoximorphic features evident in soil profile examined

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N No

Depth to saturated soil: >18" — **Depth to free standing water:** >18"

Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	Y/N No
Is the hydric soil criterion met?	Y/N No
Is the specific hydrology criterion met?	Y/N No
Is this plant community a wetland?	Y/N No

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Cedar Creek		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-20
Applicant/Owner:	City of Springfield	**Date:**	4/24/96
County:	Lane	**State:**	Oregon
Plot or pit location:	~20 feet east and slightly upslope from Plot K-19		
Prevailing Weather Conditions:	Partly cloudy with scattered showers, temperature low 50s F.		

General Site Conditions:

Pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but all trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Festuca arundinacea*	FAC-	H	70*
2 *Alopecurus pratensis*	FACW	H	30
3 *Geranium molle*	UPL	H	5
4 *Brassica campestris*	UPL	H	5
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

Soils:

Mapped Series: Chapman-Urban Complex — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-8" 10YR 3/3; 8"+ compacted river cobbles

Other hydric soil indicators:

No redoximorphic features evident in soil profile examined

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N No

Depth to saturated soil: >8" — **Depth to free standing water:** >8"

Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? Y/N No

Is the hydric soil criterion met? Y/N No

Is the specific hydrology criterion met? Y/N No

Is this plant community a wetland? Y/N No

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Cedar Creek		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-22
Applicant/Owner:	City of Springfield	**Date:**	4/24/96
County:	Lane	**State:**	Oregon
Plot or pit location:	~35 feet north of Plot K-21, ~2-foot elevation gain		
Prevailing Weather Conditions:	Partly cloudy with scattered showers, temperature low 50s F.		

General Site Conditions:

Along edge of agricultural field

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

Area immediately to north is active (plowed) agricultural field

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Festuca arundinacea*	FAC-	H	100*
2 *Trifolium pratense*	FACU	H	15*
3 *Vicia sativa*	UPL	H	10
4 *Rumex crispus*	FAC+	H	5
5 *Brassica campestris*	UPL	H	2
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

Soils:

Mapped Series: Camas gravelly sandy loam * **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/3

Other hydric soil indicators:

No redoximorphic features evident in soil profile examined

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N No

Depth to saturated soil: >18" **Depth to free standing water:** >18"

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? Y/N No

Is the hydric soil criterion met? Y/N No

Is the specific hydrology criterion met? Y/N No

Is this plant community a wetland? Y/N No

Comments:

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WETLAND SUMMARY SHEET

Date of Field Determination: 6/10/1992 **Wetland Code:** W 01*

Wetland Data Points: None

Upland Data Points: None

* *Denotes Offsite Determination*

Location:

Legal: 18-2-6 NW, SW; 18-3-1 NE

Other: Mill Race

Classification: _

Cowardin: RLP **NWI:** R2UBH

Soil:

Series: Open Water

Color: Undetermined

Hydrologic Basin: Willamette River, middle reach

Size: 4.14

Dominant Plant Community: Not Jurisdictional Wetland

Overstory	Understory	Ground cover

Comments:

Lower reach of Mill Race. Riverine/stream system. Residential/agricultural surrounding land use. Moderate capacity for flood control Some fill placed in water course. Probable hydrologic source is surface runoff from precipitation.

WETLAND SUMMARY SHEET

Date of Field Determination: 6/12/1992 **Wetland Code:** W 02

Wetland Data Points: L16

Upland Data Points: H6

* *Denotes Offsite Determination*

Location:

Legal: 18-2-5 NW; 17-2-31 SE; 17-2-32 SW;

Other: Daisy Street, West of 42nd.

Classification: _

Cowardin: PEM **NWI:** R2UBH

Soil:

Series: Oxley

Color: 10YR 3/1with 10YR 5/6 mottles

Hydrologic Basin: Middle Fork Willamette River, middle reach

Size: 0.90

Dominant Plant Community:

Overstory	Understory	Ground cover
		Mentha arvensis
		Alopecurus pratensis

Comments:

Partially filled. Probable hydrologic source is surface runoff from precipitation.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 18-2-5 NW
Field Investigator(s): Larry Devroy — Plot or Pit No. L 16
Applicant/Owner: City of Springfield — Date: 6/12/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Rainy and windy.
General Site Conditions: Large field used for grazing. Filled areas scattered around site.

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Mentha arvensis	FAC	H	35*
2 Alopecurus pratensis	FACW	H	30*
3 Eleocharis palustris	OBL	H	10
4 Juncus acuminatus	OBL	H	5
5 Berberis aquifolium	-	S	trace
6 Iris tenax	-	H	trace
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Oxley
Is the soil on the hydric soils list? Y/N N — Undetermined N
Matrix Color? 10YR 3/1 — Soil Mottled? Y/N Y — Mottle Color? 10YR 5/6 — Gleyed? Y/N N
Other hydric soil indicators: Dried, black surface soil.

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? Slightly moist @ 20 inches
Other field evidence of surface inundation or soil saturation: Barren soil, stressed vegetation and low topographic position.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y

Rationale: Although hydrology was not observed, it is evident on the infrared aerial of the site. This area and the areas mapped are clearly inundated during the wet season and the early part of the growing season. Plant community is obviously a wetland.

W-2 A

Wetland Routine Onsite Determination Data Sheet

Project Location:	Wetland M-30		
Field Investigator(s):	Bruce Henderson	**Plot or Pit No.**	H-6
Applicant/Owner:	City of Springfield	**Date:**	5/9/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Southern terminus of 41st Avenue		
Prevailing Weather Conditions:	Mostly sunny, some showers, temperature mid-60s F		
General Site Conditions:			

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

Site completely disturbed from recent residential infrastructure development

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Trifolium repens*	FAC	H	90*
2 *Festuca arundinacea*	FAC-	H	60*
3 *Aster curtus*	NOL	H	25*
4 *Plantago lanceolata*	FAC	H	10
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

Soils:

Mapped Series: Salkum silty clay loam — **Is the mapped soil on the hydric soils list? Y/N** Yes

Soil profile: 0-18" 10YR 3/2 - 3/3

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N No

Depth to saturated soil: >18" — **Depth to free standing water:** >18"

Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? Y/N No

Is the hydric soil criterion met? Y/N No

Is the specific hydrology criterion met? Y/N No

Is this plant community a wetland? Y/N No

Comments:

Heavily disturbed area, ditched and drained

Previously identified wetland completely eradicated

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WETLAND SUMMARY SHEET

Date of Field Determination: 6/12/1992, 6/24/1992 **Wetland Code:** W 03

Wetland Data Points: L20-21,L23,L30

Upland Data Points: L19, L22

* *Denotes Offsite Determination*

Location:

Legal: 18-2-5 SW, SE; 18-2-6 SE;

Other: Jasper Slough

Classification: _

Cowardin: PFO/PEM/POW **NWI:** PEMC

Soil:

Series: Cloquato, Fluvents

Color: 10YR 3/1, 3/2, and 2/1 with mottles

Hydrologic Basin: Middle Fork Willamette River, headwater

Size: 1.27

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia	*Rubus laciniatus*	*Polygonum punctatum*
Salix sp.	*Spiraea douglasii*	*Phalaris arundinacea*
		Iris tenax
		Solanum dulcamara

Comments:

1.0 acres is within the UGB. Sections of Jasper Slough have been dewatered, while others remain perennially wet. Jurisdiction is TOB. Probable hydrologic source is subsurface flow and surface runoff from precipitation. Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-2-5 SW		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 20
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Rainy and windy.		
General Site Conditions:	Jasper slough. Drainage swale that is in depression. Has partly been dewatered		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	100*
2 Salix species	FACW	T	60*
3 Solanum dulcamara	FAC	H	30
4 Rubus laciniatus	FACU+	S	40*
5 Spiraea douglasii	FACW	S	50*
6 Cornus stolonifera	FACW	T	5
7 Scirpus microcarpus	OBL	H	trace
8 Carex deweyana	FAC+	H	trace
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 75%

SOILS

Series/Phase: Cloquato

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? 10YR 4/4 Gleyed? Y/N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >20 inches (none observed)

Other field evidence of surface inundation or soil saturation: Drift lines of debris in the middle of the channel.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N Y
Is this plant community a wetland?	Y/N Y

Rationale: It is probably dryer now than in the past, but still shows FACW or FAC vegetation. Given that this is a dry year the blackberry has managed to come in rather thickly.

W-3 A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-2-5 SW		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 21
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Rainy and windy.		
General Site Conditions:	Jasper slough. Natural slough that is perennially wet.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Iris tenax	-	H	70*
2 Veronica americana	OBL	H	10
3 Carex obnupta	OBL	H	5
4 Solanum dulcamara	FAC	H	30*
5 Polygonum hydropiperoides	OBL	H	20
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Cloquato

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N

Other hydric soil indicators: Duckweed growing on the surface. Sulfuric smell in the soil.

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y

Depth to free standing water in test pit? at the surface

Other field evidence of surface inundation or soil saturation: Water stains on logs, dried debris on the bank.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N Y
Is this plant community a wetland?	Y/N Y

Rationale: Aquic regime; perennial wetland.

V

W-3 B

David Evans and Associates, Inc.
2828 SW Corbett Avenue, Portland Oregon 97201 (503) 223-6663 FAX (503) 223-2701

WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 18-2-5 SE
Field Investigator(s): Larry Devroy — Plot or Pit No.: L 23
Applicant/Owner: City of Springfield — Date: 6/12/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Rainy and windy.
General Site Conditions: Jasper slough. Well incised, linear wetland.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Polygonum punctatum	OBL	H	90*
2 Eleocharis palustris	OBL	H	10
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Fluvents
Is the soil on the hydric soils list? Y/N Unknown — Undetermined N
Matrix Color? 10YR 3/1 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators: Water stained and dried debris on the surface.

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? None at 4 inches
Other field evidence of surface inundation or soil saturation: Accumulation of algae and other debris on the surface, spongy nature of soil.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale: Rocky soil precluded excavation below 4".

W-3 C

David Evans and Associates, Inc.
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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-2-6 SE		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 30
Applicant/Owner:	City of Springfield	Date:	6/24/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	High 70's, overcast		
General Site Conditions:	Well incised, linear wetland.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Phalaris arundinacea	FACW	H	70*
2 Lemna minor	OBL	H	50*
3 Iris tenax	-	H	15
4 Solanum dulcamara	FAC	H	5
5 Heracleum lanatum	FAC	H	trace
6 Holcus lanatus	FAC	H	trace
7 Alopecurus pratensis	FACW	H	5
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Fluvents

Is the soil on the hydric soils list? Y/N Unknown Undetermined N

Matrix Color? 0YR 3/1 & 2/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y

Depth to free standing water in test pit? 5 inches

Other field evidence of surface inundation or soil saturation: High water level stains are 1 ft. up sides of bank.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale:

✓

W-3 D

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-2-5 SW		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 19
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Rainy and windy.		
General Site Conditions:	Dewatered drainage ditch, natural slough		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1	-		
2	-		
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? N/A (see rationale)

SOILS

Series/Phase: Cloquato

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >20 inches

Other field evidence of surface inundation or soil saturation: No water encountered.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Discussions with local property owners and evidence on the ground indicates that this area is a slightly depressed former drainage way, but is not a wetland. Along this depressed swale area there are wetlands that do arise or have been created. This site is presently vegetated with ornamental plants installed by the landowner.

W-3 E

David Evans and Associates, Inc.
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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 18-2-5 SE
Field Investigator(s): Larry Devroy — Plot or Pit No. L 22
Applicant/Owner: City of Springfield — Date: 6/12/92

County: Lane — State: Oregon

Prevailing Weather Conditions: Rainy and windy.
General Site Conditions: Jasper slough. Old fill area that is filled with wood chips and is no longer a wetland area. Very old fill.

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1	-		
2	-		
3			
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? N/A

SOILS

Series/Phase: Cloquato
Is the soil on the hydric soils list? Y/N N — Undetermined N
Matrix Color? — Soil Mottled? Y/N — Mottle Color? — Gleyed? Y/N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >20 inches (none observed)
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale: Wood chips down 2 feet - no soil color readable.

W-3 F

WETLAND SUMMARY SHEET

Date of Field Determination: 6/11/1992 **Wetland Code:** W 04

Wetland Data Points: L6

Upland Data Points: L4-5

* *Denotes Offsite Determination*

Location:

Legal: 18-3-11 NW

Other: Southern end of Dorris Ranch

Classification: _

Cowardin: PFO/PEM **NWI:** N/A

Soil:

Series: Salem

Color: 10YR 2/1, and 3/1 with mottles

Hydrologic Basin: Middle Fork Willamette River, lower reach

Size: 0.97

Dominant Plant Community:

Overstory	Understory	Ground cover
Populus trichocarpa	*Rubus laciniatus*	*Phalaris arundinacea*
		Carex deweyana
		Juncus effusus

Comments:

Small, formerly submerged wetlands once part of river. Good, undisturbed riparian corridor habitat. Probable hydrologic source is subsurface flow and surface runoff from precipitation. Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-11 NW		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 6
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool.		
General Site Conditions:	Ditch which has become "naturally" vegetated.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Phalaris arundinacea	FACW	H	25*
2 Carex obnupta	OBL	H	20*
3 Dipsacus sylvestris	NI	H	5
4 Rubus laciniatus	FACU+	S	10*
5 Juncus effusus	FACW+	H	15*
6 Populus trichocarpa	FAC	T	45*
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 80%

SOILS

Series/Phase: Salem

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 0YR 2/1 & 3/1 Soil Mottled? Y/N Y Mottle Color? N/A Gleyed? Y/N N

Other hydric soil indicators: Faint mottling, and faint oxidized rhizospheres apparent in the soil and the plant material roots.

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y

Depth to free standing water in test pit? 16 inches

Other field evidence of surface inundation or soil saturation: Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N Y
Is this plant community a wetland?	Y/N Y

Rationale: This is in a ditch adjacent to another section of the ditch that does have flowing water in it. Predominantly FACW & OBL species in this ditch. The soils in this area are either hydric inclusions, or the area has been saturated long enough to develop conditions to meet the wetland criteria.

W-4 A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-11 NW		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 4
Applicant/Owner:	City of Springfield	Date:	6/10/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Warm, partly cloudy		
General Site Conditions:	Doris Ranch		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	100*
2 Oemleria cerasiformis	-	S	25
3 Galium aparine	FACU	H	70*
4 Hedera helix	-	S	20
5 Symphoricarpos albus	FACU	S	60*
6 Corylus cornuta	NI	T	15
7 Tiarella trifoliata	FAC-	H	trace
8 Polystichum munitum	-	H	trace
9 Claytonia sibirica	FACW	H	40*
10 Osmorhiza chilensis	-	H	30

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 25%

SOILS

Series/Phase:	Formader						
Is the soil on the hydric soils list?				Y/N	N	Undetermined	N
Matrix Color?	10YR 3/2	Soil Mottled? Y/N	N	Mottle Color?		Gleyed? Y/N	N
Other hydric soil indicators:							

HYDROLOGY

Surface Inundated? Y/N	N	Soil Saturated? Y/N	N
Depth to free standing water in test pit?	>20 inches		
Other field evidence of surface inundation or soil saturation:			

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N	N
Is the hydric soil criterion met? Y/N	N
Is the specific hydrology criterion met? Y/N	N
Is this plant community a wetland? Y/N	N

Rationale: Center line of an intermittent drainage ditch.

W-4 B

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-11 NE		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 5
Applicant/Owner:	City of Springfield	Date:	6/10/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Warm, partly cloudy.		
General Site Conditions:	Doris Ranch. Riparian edge just north of the Williamette River - middle fork.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Populus trichocarpa	FAC	T	45*
2 Acer macrophyllum	FACU	T	10*
3 Pseudotsuga menziesii	-	T	5*
4 Crataegus monogyna	-	T	trace
5 Dactylis glomerata	FACU	H	trace
6 Rubus laciniatus	FACU+	S	20*
7 Cytisus scoparius	-	S	70*
8 Bromus species		H	75*
9 Vicia sativa	-	H	10
10 Rhus diversiloba	-	S	10

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 17%

SOILS

Series/Phase: Formader

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 5/3, 5/4 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit?

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Could not dig test pit because soil was very rocky. Could only look at the first 4 inches.

W-4 C

WETLAND SUMMARY SHEET

Date of Field Determination: 6/10/1992 **Wetland Code:** W 05

Wetland Data Points: L1-2, H5

Upland Data Points: L3, L100-102

* *Denotes Offsite Determination*

Location:

Legal: 18-3-2 SW;

Other: East of Harbor Drive, South of Dorris Street (Dorris Ranch)

Classification:

Cowardin: POW/PFO/PEM **NWI:** Upland

Soil:

Series: Cloquato

Color: 10YR 3/2, and 3/1 with mottles

Hydrologic Basin: Willamette River, headwater

Size: 5.60

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia	*Salix lasiandra*	*Cirsium vulgare*
Cornus stolonifera	*Symphoricarpos albus*	*Solanum dulcamara*
		Veronica americana
		Oenanthe sarmentosa
		Heracleum lanatum

Comments:

Pond connected to forested wetland corridor. Probable hydrologic source is subsurface flow from local high water table and surface runoff from precipitation. Limits determined through vegetation change and absence of hydrology.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-2 SW		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 1
Applicant/Owner:	City of Springfield	Date:	6/10/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Warm, partly cloudy.		
General Site Conditions:	Edge of a pond, which is vegetated with willow and ash with large area of open water.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Salix lasiandra	FACW+	S	25*
2 Cornus stolonifera	FACW	T	20*
3 Solanum dulcamara	FAC	H	85*
4 Veronica americana	OBL	H	75*
5 Oenanthe sarmentosa	OBL	H	35*
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Cloquato

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? 10YR 4/6 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y

Depth to free standing water in test pit? 10 inches

Other field evidence of surface inundation or soil saturation: Duckweed above water level, water-stained leaves

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N Y
Is this plant community a wetland?	Y/N Y

Rationale: Clearly meets triple parameter test.

W-5 A

David Evans and Associates, Inc.
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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-2 SW		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 2
Applicant/Owner:	City of Springfield	Date:	6/10/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Warm, partly cloudy		
General Site Conditions:	Well-vegetated draw		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	80*
2 Physocarpus capitatus	FAC+	S	15
3 Symphoricarpos albus	FACU	S	75*
4 Oemleria cerasiformis	-	S	trace
5 Heracleum lanatum	FAC	H	15*
6 Carex deweyana	FAC+	H	15*
7 Rubus ursinus	NI	S	20
8 Polystichum munitum	-	H	7
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 75%

SOILS

Series/Phase: Cloquato

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/2, 3/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >20 inches

Other field evidence of surface inundation or soil saturation: Hydric soils

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: Hydrology would be expected in the wet season, very near the apparent upland/wetland border.
Soils exhibit redoximorphic features (mottles, etc.) which indicate or confirm wetland hydrology.

W-5 B

Wetland Routine Onsite Determination Data Sheet

Project Location:	Wetland W-5 Dorris Ranch		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	H-5
Applicant/Owner:	City of Springfield	Date:	5/9/96
County:	Lane	State:	Oregon
Plot or pit location:	Open meadow		
Prevailing Weather Conditions:	Mostly sunny, some showers, temperature mid-60s F		
General Site Conditions:			

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Holcus lanatus*	FAC	H	100*
2 *Carex stipata*	OBL	H	30*
3 *Fraxinus latifolia*	FACW	T	10*
4 *Rumex crispus*	FAC+	H	5
5			
6			
7			
8			
9			
10			
			* = dominant
Percent of dominant species that are OBL, FACW, and/or FAC?			100%

Soils:

Mapped Series: Chehalis silty clay loam, occasionally flooded — Is the mapped soil on the hydric soils list? Y/N: No

Soil profile: 0-18" 10YR 3/1 with fine, common, distinct 10YR 4/4 and 4/6 soft iron masses on ped surfaces

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. Y/N: No

Visual observation of soil saturation. Y/N: Yes

Depth to saturated soil: 12" — Depth to free standing water: >18"

Drift lines. Y/N: No — Sediment deposits. Y/N: No — Drainage patterns. Y/N: Yes

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? Y/N	Yes
Is the hydric soil criterion met? Y/N	Yes
Is the specific hydrology criterion met? Y/N	Yes
Is this plant community a wetland? Y/N	Yes

Comments:

Shallow, open PEM drainage into PFO wetland

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W-5 C

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 18-3-2 SW, Spingfield - Doris Ranch
Field Investigator(s): Larry Devroy — Plot or Pit No. L 3
Applicant/Owner: City of Springfield — Date: 6/10/92

County: Lane — State: Oregon

Prevailing Weather Conditions: Warm, partly cloudy.
General Site Conditions: Closed canopy mesic draw.

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Quercus garryana	-	T	80*
2 Fraxinus latifolia	FACW	T	85*
3 Oemleria cerasiformis	-	S	15
4 Osmorhiza chilensis	-	H	75*
5 Symphoricarpos albus	FACU	S	20*
6 Galium aparine	FACU	H	90*
7 Claytonia sibirica	FACW	H	90*
8 Berberis aquifolium	-	S	trace
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

SOILS

Series/Phase: Chehalis
Is the soil on the hydric soils list? Y/N N — Undetermined N
Matrix Color? 10YR 2/1 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >20 inches
Other field evidence of surface inundation or soil saturation: Hydric soils

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N

Rationale: The soils are mollisols. Adjacent to a riparian area, that is narrow and well incised. Occasional minor drainage west of this plot, but it too appears to be a non-wetland.

W-5 D

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-2 SW		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L100
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	No wind, rain last night thru this morning.		
General Site Conditions:	Dorris Ranch		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	80*
2 Fraxinus latifolia	FACW	T	10
3 Marah oreganus	-	H	5
4 Smilacina stellata	FAC-	H	50
5 Galium aparine	FACU	H	70
6 Dicentra formosa	-	H	10
7 Carex deweyana	FAC+	H	Trace
8 Polystichum munitum	-	H	10
9 Symphoricarpos albus	FACU	S	5
10 Heracleum lanatum	FAC	H	80*

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Newburg

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

W-5 E

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-2 SW		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L101
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	No wind, rain last night thru this morning.		
General Site Conditions:	Dorris Ranch		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	100*
2 Rubus ursinus	NI	S	70*
3 Heracleum lanatum	FAC	H	15*
4 Symphoricarpos albus	FACU	S	15
5 Marah oreganus	-	H	Trace
6 Urtica dioica	FAC+	H	15
7 Hydrophyllum tenuipes	-	H	Trace
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Newburg

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? 18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Wet Border

W-5 F

David Evans and Associates, Inc.
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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-2 SW		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L102
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	No wind, rain last night thru this morning.		
General Site Conditions:	Dorris Ranch		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	95*
2 Urtica dioica	FAC+	H	25*
3 Claytonia sibirica	FACW	H	85*
4 Equisetum hyemale	FACW	H	30
5 Rubus ursinus	NI	S	35
6 Oemleria cerasiformis	-	S	Trace
7 Festuca arundinacea	FACU-	H	Trace
8 Galium aparine	FACU	H	15
9 Dicentra formosa	-	H	Trace
10 Hydrophyllum tenuipos	FAC	H	Trace

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 60%

SOILS

Series/Phase:	Newburg						
Is the soil on the hydric soils list?				Y/N	N	Undetermined	N
Matrix Color?	10YR 3/3, 3/4	Soil Mottled? Y/N	N	Mottle Color?		Gleyed? Y/N	N
Other hydric soil indicators:	sandy silt loam						

HYDROLOGY

Surface Inundated?	Y/N N	Soil Saturated?	Y/N N
Depth to free standing water in test pit?			
Other field evidence of surface inundation or soil saturation:			

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N N
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N
Rationale:	

W-5 G

WETLAND SUMMARY SHEET

Date of Field Determination: 6/24/1992 **Wetland Code:** W 06

Wetland Data Points: B27

Upland Data Points: B12, B28, C25-7, C31, C33, H3-4

* ***Denotes Offsite Determination***

Location:

Legal: 18-3-2 NE; 18-3-1 NW;

Other: County property adjacent to Springfield Sheriff's pistol range

Classification:

Cowardin: PFO **NWI:** PUBHX

Soil:

Series: Dixonville-Philommath-Hazelair

Color: 10YR 4/1 with mottles

Hydrologic Basin: Willamette River, lower reach

Size: 5.63

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia	*Salix sp.*	*Epilobium glandulosum*
Acer macrophyllum		*Juncus patens*
Quercus garryana		*Iris pseudoacorus*

Comments:

Disturbed pond edge along roadway. Probable hydrologic source is subsurface flow from local high water table and surface runoff from precipitation.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-2 NE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 27
Applicant/Owner:	City of Springfield	Date:	6/24/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	78 degrees, Light overcast		
General Site Conditions:	Disturbed pond edge along roadside.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	20*
2 Acer macrophyllum	FACU	T	5*
3 Quercus garryana	-	T	5*
4 Salix species	FAC	S	5*
5 Equisetum arvense	FAC	H	100*
6 Juncus patens	FACW	H	80*
7 Iris pseudoacorus	OBL	H	40*
8 Phalaris arundinacea	FACW	H	20
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 70%

SOILS

Series/Phase: Dixonville-Philommath-Hazelair; SCS#43E

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 4/1 Soil Mottled? Y/N Y Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y

Depth to free standing water in test pit? >24 inches

Other field evidence of surface inundation or soil saturation: Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N Y
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N Y

Rationale: Hydrology assumed to be present during the growing season based on soils and vegetation. There is water in the man-excavated pond.

W-6 A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-31 NW		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 12
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	100% overcast, 80% chance of rain.		
General Site Conditions:	Blackberry/teasel edge, Dessler property.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Rubus ursinus	NI	S	50*
2 Dipsacus sylvestris	NI	H	100*
3 Festuca rubra	FAC	H	30
4 Arrhenatherum elatius	-	H	30
5 Dactylis glomerata	FACU	H	10
6 Agrostis species	FAC	H	30
7 Holcus lanatus	FAC	H	5
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Awbrig-Urban; SCS#6

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >24 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

W-6 B

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-2 NE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 28
Applicant/Owner:	City of Springfield	Date:	6/24/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	78 degrees, Light overcast		
General Site Conditions:	Disturbed pond edge along roadside.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Quercus garryana	-	T	80*
2 Acer macrophyllum	FACU	T	30*
3 Fraxinus latifolia	FACW	T	25
4 Mahonia oregonensis	-	S	20*
5 Rubus spectabilis	FAC	H	15
6 Festuca arundinacea	FACU-	H	50*
7 Cirsium vulgare	FACU	H	60*
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Dixonville-Philommath-Hazelair; SCS#43E

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 4/2 Soil Mottled? Y/N Y Mottle Color? 10YR 5/4 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >24 inches

Other field evidence of surface inundation or soil saturation: Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Outside of wetland edge.

W-6 C

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-31 NW
Field Investigator(s): Susan Cunningham — Plot or Pit No.: C 25
Applicant/Owner: City of Springfield — Date: 6/11/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Overcast and cool
General Site Conditions: Dessler propety. Deserted timber mill, possible historic log deck or a filled log pond.

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Holcus lanatus	FAC	H	100*
2 Avena sativa	-	H	50*
3 Cirsium arvense	FACU+	H	20*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

SOILS

Series/Phase: Awbrig
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 2/1 — Soil Mottled? Y/N Y — Mottle Color? 7.5 YR 4/4 — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale: Disturbed, vegetation has been altered by prior land use. Transitional area.

W-6 D

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-31 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 26
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool		
General Site Conditions:	Dessler property.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	100*
2 Rubus discolor	FACU-	S	100*
3 Holcus lanatus	FAC	H	100*
4 Alopecurus pratensis	FACW	H	100*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Awbrig-urban

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N Y Mottle Color? 7.5 YR 4/4 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N N
Is the hydric soil criterion met?	Y/N Y
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale: Highly disturbed marginal area.

W-6 E

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-31 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 27
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool		
General Site Conditions:	Dessler property. Forest ash swale		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	80*
2 Populus trichocarpa	FAC	T	10
3 Symphoricarpos albus	FACU	S	80*
4 Rubus ursinus	NI	S	80*
5 Galium species	-	H	40*
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

SOILS

Series/Phase: Awbrig-urban

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 4/2 Soil Mottled? Y/N Y Mottle Color? indistinct Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Soils is not enough to call this a wetland. Construction of deep (>8') ditches has altered the hydrology.

W-6 F

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-2-31 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 31
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool		
General Site Conditions:	Dessler property. Abandoned field.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU-	H	100*
2 Holcus lanatus	FAC	H	20
3 Dipsacus sylvestris	NI	H	30*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Awbrig-urban

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 2/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

W-6 G

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-2-31 NW
Field Investigator(s): Susan Cunningham — Plot or Pit No. C 33
Applicant/Owner: City of Springfield — Date: 6/12/92

County: Lane — State: Oregon

Prevailing Weather Conditions: Overcast and cool
General Site Conditions: Forested swale. Dessler property

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	100*
2 Rubus ursinus	NI	S	90*
3 Mentha arvensis	FAC	H	50*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Awbrig-urban
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/3 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N N
Rationale:

W-6 H

Wetland Routine Onsite Determination Data Sheet

Project Location:	Wetland W-6		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	H-3
Applicant/Owner:	City of Springfield	Date:	5/9/96
County:	Lane	State:	Oregon
Plot or pit location:	Southeast of Mill Race Pond		
Prevailing Weather Conditions:	Mostly sunny, some showers, temperature mid-60s F		
General Site Conditions:			

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Phalaris arundinacea*	FACW	H	100*
2 *Equisetum arvense*	FAC	H	30*
3 *Rubus discolor*	FACU	S	20*
4 *Dipsacus sylvestris*	FAC	H	15
5 *Alnus rubra*	FAC	T	5*
6 *Salix lasiandra*	FACW+	T	5*
7 *Carex obnupta*	OBL	H	5
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 80%

Soils:

Mapped Series: Cloquato silt loam — Is the mapped soil on the hydric soils list? Y/N No

Soil profile: 0-18" 10YR 3/2

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N No

Depth to saturated soil: >18" — Depth to free standing water: >18"

Drift lines. Y/N No — Sediment deposits. Y/N No — Drainage patterns. Y/N No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? Y/N No

Is the hydric soil criterion met? Y/N No

Is the specific hydrology criterion met? Y/N No

Is this plant community a wetland? Y/N No

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Wetland W-6		
Field Investigator(s):	Bruce Henderson	**Plot or Pit No.**	H-4
Applicant/Owner:	City of Springfield	**Date:**	5/9/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Southeast of Mill Race Pond		
Prevailing Weather Conditions:	Mostly sunny, some showers, temperature mid-60s F		
General Site Conditions:			

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Salix lasiandra*	FACW+	T	60*
2 *Alnus rubra*	FAC	T	40*
3 *Fraxinus latifolia*	FACW	T	30*
4 *Populus trichocarpa*	FAC	T	20
5 *Rubus discolor*	FACU	S	30*
6 *Spiraea douglasii*	FACW	S	15*
7 *Equisetum arvense*	FAC	H	40*
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 83%

Soils:

Mapped Series: Cloquato silt loam **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/2 with faint, common, unconsolidated 10YR 4/6 soft iron masses on ped surfaces

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. **Y/N** No

Visual observation of soil saturation. **Y/N** Yes

Depth to saturated soil: 8" **Depth to free standing water:** >18"

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	**Y/N** No
Is the hydric soil criterion met?	**Y/N** No
Is the specific hydrology criterion met?	**Y/N** No
Is this plant community a wetland?	**Y/N** No

Comments:

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W-6 J

WETLAND SUMMARY SHEET

Date of Field Determination: 6/24/1993 **Wetland Code:** W 07*

Wetland Data Points: None

Upland Data Points: None

* *Denotes Offsite Determination*

Location:

Legal: 18-3-2 NE; 18-3-1 NW;

Other: Mill Race and Mill Pond.

Classification:

Cowardin: POW **NWI:** LIUBHX/R2UBH

Soil:

Series: Malabon, Dixon-Philomath-Hazelair

Color: Undetermined

Hydrologic Basin: Willamette River, lower reach

Size: 36.02

Dominant Plant Community: Non-Jurisdictional Log Pond

Overstory	Understory	Ground cover

Comments:

Mill Race was expanded as log pond. Area was determined offsite through infrared aerial photography. Probable hydrologic source is subsurface flow from local high water table and surface runoff from precipitation. No vegetation or soils data available.

WETLAND SUMMARY SHEET

Date of Field Determination: 6/10/1992 **Wetland Code:** W 08*

Wetland Data Points: None

Upland Data Points: None

* *Denotes Offsite Determination*

Location:

Legal: 18-3-1 NW; 17-3-36 SW

Other:

Classification:

Cowardin: POW **NWI:** PUBFX

Soil:

Series: Malabon, Dixon-Philomath-Hazelair

Color: Undetermined

Hydrologic Basin: Willamette River, lower reach

Size: 1.22

Dominant Plant Community:

Overstory	Understory	Ground cover

Comments: see DSL file

Log pond, Area was determined offsite through infrared aerial photography. Probable hydrologic source is subsurface flow from local high water table and surface runoff from precipitation. No vegetation or soils data available.

W-8

WETLAND SUMMARY SHEET

Date of Field Determination: 6/12/1992 **Wetland Code:** W 09

Wetland Data Points: L17-18

Upland Data Points: None

* ***Denotes Offsite Determination***

Location:

Legal: 18-2-5 NW ;

Other: North of Booth Kelly Road

Classification: _

Cowardin: PEM **NWI:** Upland

Soil:

Series: Oxley

Color: 10YR 2/1, 5/1, N5Y

Hydrologic Basin: Middle Fork Willamette River, middle reach

Size: 0.22

Dominant Plant Community:

Overstory	Understory	Ground cover
Crataegus douglasii	*Rubus laciniatus*	*Agrostis stolonifera*
		Typha latifolia
		Polygonum punctatum

Comments:

Partially filled pasture land. Probable hydrologic source is surface runoff from precipitation.

✓

W-9

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-2-5 NW		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 17
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Rainy and windy.		
General Site Conditions:	Heavily grazed area.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Crataegus douglasii	FAC	T	75*
2 Agrostis stolonifera	FAC	H	80*
3 Rubus laciniatus	FACU+	S	20*
4 Cirsium arvense	FACU+	H	trace
5 Chenopodium album	FAC	H	10
6 Rubus spectabilis	FAC	S	trace
7 Rubus discolor	FACU-	S	trace
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Oxley

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 2/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >20 inches

Other field evidence of surface inundation or soil saturation: Drift lines and cracked soils.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: In the wet season this area appears to fill up with water to the surface by virtue of the black color in the surface layer and the dried and cracked areas of soils in between the vegetation. Property owner or renter states that site is very wet in winter. Barren areas may be caused by cattle.

W-9 A

David Evans and Associates, Inc.
2828 SW Corbett Avenue, Portland Oregon 97201 (503) 223-6663 FAX (503) 223-2701

WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-2-5 NW		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 18
Applicant/Owner:	City of Springfield	Date:	6/12/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Rainy and windy.		
General Site Conditions:	Heavily trampled by kids and human activity.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Typha latifolia	OBL	H	15*
2 Polygonum punctatum	OBL	H	25*
3 Eleocharis palustris	OBL	H	10
4 Mentha arvensis	FAC	H	10
5 Veronica americana	OBL	H	trace
6 Juncus effusus	FACW+	H	trace
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Oxley

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 5/1 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N Y

Other hydric soil indicators: 5Y 5/1 - Gley color

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Moist

Depth to free standing water in test pit? >20 inches

Other field evidence of surface inundation or soil saturation: Dark surface color and water stained areas at lowest elevations in the wetland.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: This site shows enough evidence that indicates that this area is under water in the growing season.

W-9 B

WETLAND SUMMARY SHEET

Date of Field Determination: 6/11/1992 **Wetland Code:** W 10*

Wetland Data Points: None

Upland Data Points: None

* *Denotes Offsite Determination*

Location:

Legal: 17-3-35 SW

Other: South of Main, connects with East Springfield-Millrace (lower)

Classification: _

Cowardin: PSS **NWI:** R2UBHX

Soil:

Series: Malabon

Color: Undetermined

Hydrologic Basin: Willamette River, lower reach

Size: 2.25

Dominant Plant Community:

Overstory	Understory	Ground cover
Salix sp.	*Rubus discolor*	*Phalaris arundinacea*
Populus trichocarpa		

Comments:

Part of Mill Race. Heavily developed area with incised, defined, and armored embankments. Limits are TOB. No data points taken. Probable hydrologic source is surface runoff from precipitation.

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WETLAND SUMMARY SHEET

Date of Field Determination: 6/10/1992 **Wetland Code:** W 11

Wetland Data Points: B4

Upland Data Points: B1-2

* ***Denotes Offsite Determination***

Location:

Legal: 17-3-33 SE; 17-3-34 SW

Other: Alton Baker Park; East Gate Woodland South

Classification: _

Cowardin: PFO **NWI:** Upland

Soil:

Series: Fluvents

Color: 10YR 2/1

Hydrologic Basin: Willamette River, lower reach

Size: 0.7 (.67)

Dominant Plant Community:

Overstory	Understory	Ground cover
Populus trichocarpa		*Carex obnupta*
		Glecoma hederacea

Comments:

Forested park setting, relatively undisturbed except for trail system.

Probable hydrologic source is surface runoff from precipitation. Limits determined through vegetation change and absence of hydrology.

W11

David Evans and Associates, Inc.
2828 SW Corbett Avenue, Portland Oregon 97201 (503) 223-6663 FAX (503) 223-2701

WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-33 SE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 1
Applicant/Owner:	City of Springfield	Date:	6/10/92
County:	Lane	State:	Oregon

Prevailing Weather Conditions: Sunny, mid 70's. 20% chance of rain. Light rain in the past week, otherwise dry.

General Site Conditions: Undisturbed, Alton Baker Park.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	100*
2 Rubus ursinus	NI	S	15
3 Polystichum munitum	-	H	5*
4 Glecoma hederacea	FACU+	H	100*
5 Acer macrophyllum	FACU	T	5
6 Symphoricarpos albus	FACU	S	100*
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Fluvents; SCS # 48

Is the soil on the hydric soils list? Y/N N Undetermined *

Matrix Color? 10YR 4/4 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators: * Most of fluvent meet hydric soil criterion.

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >24 inches.

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N N
Is the hydric soil criterion met?	Y/N N
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale:

W11 A

David Evans and Associates, Inc.
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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-33 SE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 2
Applicant/Owner:	City of Springfield	Date:	6/10/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny, mid 70's. 20% chance of rain. Light rain in the past week, otherwise dry.		
General Site Conditions:	Disturbed, under power lines. Alton Baker Park.		

Do normal environmental conditions exist at the plant community? Y/N N

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Rubus ursinus	NI	S	100*
2 Daucus carota	-	H	10*
3 Cynosurus echinatus	-	H	5*
4 Plantago lanceolata	FACU+	H	5*
5 Holcus lanatus	FAC	H	5*
6 Cytisus scoparius	-	S	5
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 20%

SOILS

Series/Phase: Fluvents; SCS # 48

Is the soil on the hydric soils list? Y/N N Undetermined *

Matrix Color? 10YR 4/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators: * Most of fluevent meet hydric soil criterion.

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >24 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

W11-B

David Evans and Associates, Inc.
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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-3-34 SW
Field Investigator(s): Bruce Henderson — Plot or Pit No. B 4
Applicant/Owner: City of Springfield — Date: 6/10/92

County: Lane — State: Oregon

Prevailing Weather Conditions: Sunny, mid 70's. 20% chance of rain. Light rain in the past week, otherwise dry.
General Site Conditions: Undisturbed, Alton Baker Park.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Populus trichocarpa	FAC	T	100*
2 Carex obnupta	OBL	H	100*
3 Glecoma hederacea	FACU+	H	60*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Fluvents; SCS # 48
Is the soil on the hydric soils list? Y/N N — Undetermined *
Matrix Color? 10YR 2/1 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators: * Most of fluvent meet hydric soil criterion.

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N Y
Depth to free standing water in test pit? 6 inches
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale: All criteria met.

W11C

WETLAND SUMMARY SHEET

Date of Field Determination: 6/11/1993 **Wetland Code:** W 12

Wetland Data Points: B10

Upland Data Points: None

* *Denotes Offsite Determination*

Location:

Legal: 17-3-34 SE; NE; 17-3-35 SW

Other: Island Park

Classification:

Cowardin: PFO **NWI:** R2USC

Soil:

Series: Fluvents

Color: 10YR 2/1 with 2.5YR 2/1 mottles

Hydrologic Basin: Willamette River, lower reach

Size: 1.42

Dominant Plant Community:

Overstory	Understory	Ground cover
Populus trichocarpa		*Carex obnupta*
Acer macrophyllum		

Comments:

System is connected to Canoe Canal via culverts. Hydrologic source is stormwater and surface runoff from precipitation.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-3-34 SE
Field Investigator(s): Bruce Henderson — Plot or Pit No. B 10
Applicant/Owner: City of Springfield — Date: 6/11/92
County: Lane — State: Oregon
Prevailing Weather Conditions: 100% overcast, 80% chance of rain.
General Site Conditions: Marsh, Alton Baker Park.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Populus trichocarpa	FAC	T	75*
2 Acer macrophyllum	FACU	T	15*
3 Carex obnupta	OBL	H	80*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Fluvents; SCS #48
Is the soil on the hydric soils list? Y/N N — Undetermined *
Matrix Color? 10YR 2/1 — Soil Mottled? Y/N Y — Mottle Color? 2.5 YR 2/1 — Gleyed? Y/N N
Other hydric soil indicators: * Most of fluvent meet hydric soil criterion.

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N Y
Depth to free standing water in test pit? 2 inches
Other field evidence of surface inundation or soil saturation: Change of vegetation. Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale: Based on all the criteria being present.

W-12 A

WETLAND SUMMARY SHEET

Date of Field Determination: _____ **Wetland Code:** W 13

Wetland Data Points: None

Upland Data Points: B3, B5

* ***Denotes Offsite Determination***

Location:

Legal: 17-3-33 NE, SE; 17-3-34 SW

Other: Patterson Slough/Canoe Canal

Classification: _

Cowardin: PFO **NWI:** R2UBHX

Soil:

Series: Fluvents

Color: 10YR 3/3

Hydrologic Basin: Willamette River, lower reach

Size: 2.24

Dominant Plant Community:

Overstory	Understory	Ground cover
Acer macrophyllum	*Rubus ursinus*	*Thalictrum sp.*
	Symphorocarpus albus	

Comments:

Hydrologic source is stormwater and surface runoff from precipitation.

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-33 SE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 3
Applicant/Owner:	City of Springfield	Date:	6/10/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny, mid 70's. 20% chance of rain. Light rain in the past week, otherwise dry.		
General Site Conditions:	Undisturbed, Alton Baker Park.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	100*
2 Pseudotsuga menziesii	-	T	5
3 Symphoricarpos albus	FACU	S	100*
4 Heracleum lanatum	FAC	H	20
5 Rubus ursinus	NI	S	60*
6 Galium species	FACU	H	100*
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Fluvents; SCS # 48

Is the soil on the hydric soils list? Y/N N Undetermined *

Matrix Color? 10YR 4/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators: * Most of fluvent meet hydric soil criterion.

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >24 inches.

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

✓

W-13 A

David Evans and Associates, Inc.
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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-34 SW		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 5
Applicant/Owner:	City of Springfield	Date:	6/10/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny, mid 70's. 20% chance of rain. Light rain in the past week, otherwise dry.		
General Site Conditions:	Normal, Patterson Slough.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	90*
2 Crataegus douglasii	FAC	T	5
3 Berberis aquifolium	-	S	5
4 Rubus ursinus	NI	S	100*
5 Symphoricarpos albus	FACU	S	40*
6 Thalictrum species	FACU	H	5*
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase:	Fluvents; SCS # 48						
Is the soil on the hydric soils list?			Y/N N		Undetermined		*
Matrix Color?	10YR 3/3	Soil Mottled? Y/N	N	Mottle Color?		Gleyed?	Y/N N
Other hydric soil indicators:	* Most of fluvent meet hydric soil criterion.						

HYDROLOGY

Surface Inundated?	Y/N N	Soil Saturated?	Y/N N
Depth to free standing water in test pit?	>24 inches		
Other field evidence of surface inundation or soil saturation:			

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N N
Is the hydric soil criterion met?	Y/N N
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale:

W-13 B

WETLAND SUMMARY SHEET

Date of Field Determination: 5/6 and 6/11, 24-25/1992 **Wetland Code:** W 14

Wetland Data Points: C18-20

Upland Data Points: L103-104

* ***Denotes Offsite Determination***

Location:

Legal: 17-3-34 NE

Other: West of Prescott Lane

Classification: _

Cowardin: PEM **NWI:** Upland

Soil:

Series: Dayton, Camas

Color: 10YR 2/1, 3/2, and 3/1 with mottles

Hydrologic Basin: Willamette River, lower reach

Size: 0.97

Dominant Plant Community:

Overstory	Understory	Ground cover
	Spiraea douglasii	*Festuca arundinacea*
	Rubus discolor	*Alopecurus pratensis*
	Rosa sp.	*Galium aparine*
	Rubus ursinus	*Phalaris arundinacea*
		Holcus lanatus

Comments:

Highly disturbed abandoned field, formerly used for agriculture. Hydrologic source is stormwater and surface runoff from precipitation.

David Evans and Associates, Inc.
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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-3-34 NE
Field Investigator(s): Susan Cunningham — Plot or Pit No.: C 18
Applicant/Owner: City of Springfield — Date: 6/11/92
County: Lane — State: Oregon
Prevailing Weather Conditions: Overcast and cool
General Site Conditions: Abandoned field

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	20*
2 Festuca arundinacea	FACU-	H	80*
3 Phalaris arundinacea	FACW	H	10
4 Holcus lanatus	FAC	H	90*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 66%

SOILS

Series/Phase: Dayton
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/2 — Soil Mottled? Y/N Y — Mottle Color? 7.5 YR 4/4 — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N N
Depth to free standing water in test pit? >18 inches
Other field evidence of surface inundation or soil saturation: The soil is slightly moist. Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N N
Is this plant community a wetland? Y/N Y
Rationale: Based on vegetation and soils. Hydrology is assumed based on indicators.

W-14 A

David Evans and Associates, Inc.
2828 SW Corbett Avenue, Portland Oregon 97201 (503) 223-6663 FAX (503) 223-2701

WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-34 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 19
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool		
General Site Conditions:	Abandoned field, evidence of historic agricultural uses.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Spiraea douglasii	FACW	S	40*
2 Rubus discolor	FACU-	S	20*
3 Rosa species	-	S	20*
4 Typha latifolia	OBL	H	8
5 Juncus effusus	FACW+	H	40*
6 Holcus lanatus	FAC	H	20*
7 Poa species	-	H	60*
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Dayton

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 2/1 Soil Mottled? Y/N Y Mottle Color? 7.5 YR 4/4 Gleyed? Y/N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18 inches

Other field evidence of surface inundation or soil saturation: Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Area appears to be recovering from historic agricultural practices. Wetland determination based on non-dominant vegetation being hydric, hydric soils, and assumed hydrology.

W-14 B

David Evans and Associates, Inc.
2828 SW Corbett Avenue, Portland Oregon 97201 (503) 223-6663 FAX (503) 223-2701

WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-34 NE		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	C 20
Applicant/Owner:	City of Springfield	Date:	6/11/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Overcast and cool		
General Site Conditions:	Abandoned field		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Holcus lanatus	FAC	H	90*
2 Rumex crispus	FACW	H	10
3 Phalaris arundinacea	FACW	H	80*
4 Alopecurus pratensis	FACW	H	90*
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Dayton

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/1 Soil Mottled? Y/N Y Mottle Color? 7.5 YR 4/4 Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y

Depth to free standing water in test pit? 15 inches

Other field evidence of surface inundation or soil saturation: Hydric soils and mottles.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale:

W-14 C

David Evans and Associates, Inc.
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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 17-3-34 NE
Field Investigator(s): Larry Devroy — Plot or Pit No. L103
Applicant/Owner: City of Springfield — Date: 5/26/93
County: Lane — State: Oregon
Prevailing Weather Conditions: No wind, rain last night thru this morning.
General Site Conditions: Abandoned agricultural field.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Festuca arundinacea	FACU-	H	100*
2 Vicia sativa	-	H	60*
3 Alopecurus pratensis	FACW	H	20
4 Ranunculus sp.	FAC	H	T
5 Galium aparine	FACU	H	80
6 Daucus carota	-	H	40
7 Prunella vulgaris	FACU+	H	40
8 Ranunculus repens	FACW	H	15
9 Trifolium repens	FACU-	H	15
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

SOILS

Series/Phase: Camas
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 3/2 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y — Soil Saturated? Y/N Y
Depth to free standing water in test pit? 10"
Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N
Is the hydric soil criterion met? Y/N N
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N N
Rationale: Hydrology is not present long enough to support hydrophytic vegetation or form hydric soils.

W-14 D

David Evans and Associates, Inc.
2828 SW Corbett Avenue, Portland Oregon 97201 (503) 223-6663 FAX (503) 223-2701

WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	17-3-34 NE		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L104
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	No wind, rain last night thru this morning.		
General Site Conditions:	Abandoned agricultural field.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alopecurus pratensis	FACW	H	50*
2 Festuca arundinacea	FACU-	H	50*
3 Galium aparine	FACU	H	70*
4 Bromus tinctorum	-	H	25
5 Rumex crispus	FACW	H	25
6 Ranunculus repens	FACW	H	20
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

SOILS

Series/Phase: Camas

Is the soil on the hydric soils list? Y/N Y Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N Y Soil Saturated? Y/N Y

Depth to free standing water in test pit? 10"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N N
Is the hydric soil criterion met?	Y/N N
Is the specific hydrology criterion met?	Y/N Y
Is this plant community a wetland?	Y/N N

Rationale: Very wet and disturbed. Based on hydrology and low chroma soils. Upland or wetland?

W-14 E

✓

WETLAND SUMMARY SHEET

Date of Field Determination: 6/24/1992 **Wetland Code:** W 15

Wetland Data Points: B29

Upland Data Points: L31-33

* *Denotes Offsite Determination*

Location:

Legal: 18-3-11 NE

Other: Dorris Ranch

Classification: _

Cowardin: PFO **NWI:** Upland

Soil:

Series: Riverwash

Color: 10YR 3/3

Hydrologic Basin: Willamette River, lower reach

Size: 0.1

Dominant Plant Community:

Overstory	Understory	Ground cover
Alnus rubra	*Rubus ursinus*	*Carex obnupta*
Populus trichocarpa		*Holcus lanatus*

Comments:

Undisturbed riparian swale. Probable hydrologic source is surface runoff from precipitation.

✓

W-15

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-11 NE		
Field Investigator(s):	Bruce Henderson	Plot or Pit No.	B 29
Applicant/Owner:	City of Springfield	Date:	6/24/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	79 degrees, Light overcast		
General Site Conditions:	Undisturbed riparian swale		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Alnus rubra	FAC	T	100*
2 Populus trichocarpa	FAC	T	70*
3 Salix species	FACW	T	15
4 Rubus ursinus	NI	S	15*
5 Acer macrophyllum	FACU	T	5
6 Carex obnupta	OBL	H	100*
7 Holcus lanatus	FAC	H	80*
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 80%

SOILS

Series/Phase: Riverwash

Is the soil on the hydric soils list? (Y)/N per Emily's matrix note Undetermined N

Matrix Color? 10YR 3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N Y

Depth to free standing water in test pit? >24 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N Y

Is the specific hydrology criterion met? Y/N Y

Is this plant community a wetland? Y/N Y

Rationale: Inside wetland edge there is strong wetland plant community; and saturated soils late in acceptable growing season.

W-15 A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-11 NE		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 31
Applicant/Owner:	City of Springfield	Date:	6/25/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	High 70's, overcast		
General Site Conditions:	Flood plain forest, adjacent to the middle fork of the Williamette.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Populus trichocarpa	FAC	T	70*
2 Alnus rubra	FAC	T	20*
3 Acer macrophyllum	FACU	T	30*
4 Tellima grandiflora	-	H	15
5 Rubus discolor	FACU-	S	trace
6 Symphoricarpos albus	FACU	S	5*
7 Dactylis glomerata	FACU	H	15
8 Glyceria occidentalis	OBL	H	15
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

SOILS

Series/Phase: Riverwash

Is the soil on the hydric soils list? Y/N Unknown Undetermined N

Matrix Color? 0YR 3/2 & 3/3 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? > 20 inches (none encountered)

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met?	Y/N N
Is the hydric soil criterion met?	Y/N N
Is the specific hydrology criterion met?	Y/N N
Is this plant community a wetland?	Y/N N

Rationale: This area probably was once part of the flood plain of the river but has long ago been abandoned and dried out. There is a ditch just to the north of this area that appears to have been constructed several years ago that may have helped to dewater this area but it was also a natural drying process. It is a riparian corridor area.

✓

W-15 B

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-11 NE		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 32
Applicant/Owner:	City of Springfield	Date:	6/25/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	High 70's, overcast		
General Site Conditions:	Flood plain forest, adjacent to the middle fork of the Willamette River.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Populus trichocarpa	FAC	T	50*
2 Acer macrophyllum	FACU	T	20*
3 Cornus stolonifera	FACW	T	5*
4 Acer macrophyllum	FACU	T	5
5 Rubus discolor	FACU-	S	5
6 Phalaris arundinacea	FACW	H	30
7 Carex obnupta	OBL	H	80*
8 Rubus ursinus	NI	S	30*
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 60%

SOILS

Series/Phase: Riverwash

Is the soil on the hydric soils list? Y/N Unknown Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? None - very rocky

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale:

W-15 C

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-11 NE		
Field Investigator(s):	Larry Devroy	Plot or Pit No.	L 33
Applicant/Owner:	City of Springfield	Date:	6/25/92
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	High 70's, overcast		
General Site Conditions:	Riparian forest swale		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Acer macrophyllum	FACU	T	90*
2 Fraxinus latifolia	FACW	T	10
3 Populus trichocarpa	FAC	T	trace
4 Glyceria occidentalis	OBL	H	75*
5 Rubus discolor	FACU-	S	5
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

SOILS

Series/Phase: Riverwash

Is the soil on the hydric soils list? Y/N Unknown Undetermined N

Matrix Color? 10YR 3/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >24 inches

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N N

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Former flood plain forest but now is filled and silted-in. It is now an upland.

W-15 D

WETLAND SUMMARY SHEET

Date of Field Determination: _____ **Wetland Code:** W 16

Wetland Data Points: S61

Upland Data Points: S60

* ***Denotes Offsite Determination***

Location:

Legal: 18-3-2 NE, NW

Other: North of Dorris Ranch

Classification: _

Cowardin: PFO **NWI:** Upland

Soil:

Series: Panther

Color: 10YR 2/1

Hydrologic Basin: Willamette River, lower reach

Size: 1.46

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia	*Rosa sp.*	*Camassia quamash*
		Alopecurus pratensis
		Festuca rubra

Comments:

Seasonal forested drainage culverted under South 2nd street, with open and free connection to the Willamette River. Wetland determination partially conducted through offsite methodology. Probable hydrologic source surface runoff from precipitation.

✓

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location: 18-3-2 NE
Field Investigator(s): Susan Cunningham — Plot or Pit No. S 61
Applicant/Owner: City of Springfield — Date: 5/26/93
County: Lane — State: Oregon
Prevailing Weather Conditions: Sunny with few scattered clouds
General Site Conditions: Ash swell - seasonal creek.

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Fraxinus latifolia	FACW	T	100*
2 Camassia quamash	FACW	H	40*
3 Alopecurus pratensis	FACW	H	80*
4 Festuca arundinacea	FACU	H	80*
5 Rosa sp.	NI	S	25*
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Panther
Is the soil on the hydric soils list? Y/N Y — Undetermined N
Matrix Color? 10YR 2/1 — Soil Mottled? Y/N N — Mottle Color? — Gleyed? Y/N N
Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N — Soil Saturated? Y/N Y
Depth to free standing water in test pit?
Other field evidence of surface inundation or soil saturation: running water through creek bed.

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y
Is the hydric soil criterion met? Y/N Y
Is the specific hydrology criterion met? Y/N Y
Is this plant community a wetland? Y/N Y
Rationale:

✓

W-16 A

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WETLAND ROUTINE ONSITE DETERMINATION DATA SHEET

Project Location:	18-3-2 NW		
Field Investigator(s):	Susan Cunningham	Plot or Pit No.	S 60
Applicant/Owner:	City of Springfield	Date:	5/26/93
County:	Lane	State:	Oregon
Prevailing Weather Conditions:	Sunny with few scattered clouds		
General Site Conditions:	Vacant field.		

Do normal environmental conditions exist at the plant community? Y/N Y

VEGETATION

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 Dipsacus sylvestris	NI	H	80*
2 Camassia quamash	FACW	H	70
3 Festuca arundinacea	FACU	H	80*
4 Hypochaeris radicata	-	H	15
5 Alopecurus pratensis	FACW	H	20
6 Agrostis sp.	FAC	H	80*
7 Vicia sp.	-	H	30
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

SOILS

Series/Phase: Dixonville-Philomath-Hazelair

Is the soil on the hydric soils list? Y/N N Undetermined N

Matrix Color? 10YR 2/2 Soil Mottled? Y/N N Mottle Color? Gleyed? Y/N N

Other hydric soil indicators:

HYDROLOGY

Surface Inundated? Y/N N Soil Saturated? Y/N N

Depth to free standing water in test pit? >18"

Other field evidence of surface inundation or soil saturation:

DEA WETLAND DETERMINATION

Is the hydrophytic vegetation criterion met? Y/N Y

Is the hydric soil criterion met? Y/N N

Is the specific hydrology criterion met? Y/N N

Is this plant community a wetland? Y/N N

Rationale: Dominated by FAC species--fails FAC neutral test.

W-16 B

WETLAND SUMMARY SHEET

Date of Field Determination: 4/23/96 **Wetland Code:** W17

Wetland Data Points: K24, K27, K29-31

Upland Data Points: K23, K25-6, K28, K32

* ***Denotes Offsite Determination***

Location:

Legal: ✗

Other: Jasper Slough

Classification: _

Cowardin: RLP **NWI:** PEMC, PFOC, PUBF, PSSC, PUBH,PEMF

Soil:

Series: Fluvents, Colquato, Chapman

Color: 10YR 3/1, 3/2, 4/1

Hydrologic Basin: Willamette River

Size: 17.21

Dominant Plant Community:

Overstory	Understory	Ground cover
Fraxinus latifolia	*Salix sitchensis*	*Phalaris arundinacea*
Populus balsamnifera	*Sprirea douglasii*	*Juncus effusus*
	Rubus discolor	*Poa pratensis*
	Symphoricarpus alba	*Carex obnupta*
	Cornus stolonifera	*Solanum dulcamara*

Comments:

Wetland Routine Onsite Determination Data Sheet

Project Location:	Jasper Slough		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-24
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	~500 feet west of Plot K-23		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Grazed pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but site is actively grazed and most trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Populus balsamifera*	FAC	T	15*
2 *Fraxinus latifolia*	FACW	T	10*
3 *Salix sitchensis*	FACW	S	25*
4 *Spiraea douglasii*	FACW	S	10*
5 *Rubus discolor*	FACU	S	10*
6 *Phalaris arundinacea*	FACW	H	15*
7 *Juncus effusus*	FACW	H	10*
8 *Poa pratensis*	FAC	H	10*
9 *Carex obnupta*	OBL	H	5
10 *Oenanthe sarmentosa*	OBL	H	5
			* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 88%

Soils:

Mapped Series: Fluvents **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-8" 10YR 4/1 w/ medium, common, distinct 10YR 4/4 SIMs*; 8-16" 10YR 4/1 w/ coarse, many, distinct 10YR 3/3 SIMs

Other hydric soil indicators:

*SIMs = soft iron masses

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N Yes

Depth to saturated soil: Surface **Depth to free standing water:** 4"

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	Y/N Yes
Is the hydric soil criterion met?	Y/N Yes
Is the specific hydrology criterion met?	Y/N Yes
Is this plant community a wetland?	Y/N Yes

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Jasper Slough		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-27
Applicant/Owner:	City of Springfield	**Date:**	4/24/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Toe of slope, north of Jasper Slough ~500 feet east of filbert orchard		
Prevailing Weather Conditions:	Partly cloudy with scattered showers, temperature low 50s F.		

General Site Conditions:

Edge of vacant lot

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No disturbance to bank, but native trees and shrubs have been removed from field to north

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Fraxinus latifolia*	FACW	T	90*
2 *Symphoricarpos albus*	FACU	S	10*
3 *Salix lasiandra*	FACW+	S	10*
4 *Fraxinus latifolia*	FACW	S	10*
5 *Carex obnupta*	OBL	H	30
6 *Rumex crispus*	FAC+	H	2
7 *Solanum dulcamara*	FAC+	H	2
8			
9			
10			
			* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 80%

Soils:

Mapped Series: Fluvents **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-8" 10YR 4/1 with medium, common, distinct 10YR 4/3 soft iron masses on ped surfaces

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. **Y/N** Yes

Visual observation of soil saturation. **Y/N** Yes

Depth to saturated soil: Surface **Depth to free standing water:** Surface

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? **Y/N** Yes

Is the hydric soil criterion met? **Y/N** Yes

Is the specific hydrology criterion met? **Y/N** Yes

Is this plant community a wetland? **Y/N** Yes

Comments:

Sediment deposits localized near south toe of slope

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Jasper Slough		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-29
Applicant/Owner:	City of Springfield	**Date:**	4/24/96
County:	Lane	**State:**	Oregon
Plot or pit location:	~20 feet east of 42nd Street in slough channel		
Prevailing Weather Conditions:	Partly cloudy with scattered showers, temperature low 50s F.		

General Site Conditions:

Ditch bottom

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Fraxinus latifolia*	FACW	T	60*
2 *Populus balsamifera*	FAC	T	20*
3 *Cornus stolonifera*	FACW	S	30*
4 *Spiraea douglasii*	FACW	S	20*
5 *Solanum dulcamara*	FAC+	H	15*
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

Soils:

Mapped Series: Cloquato silt loam **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" Variegated: 80% 10YR 3/1 with fine, common, distinct 10YR 3/3 soft iron masses; 20% 10YR 2/2

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. **Y/N** Yes

Visual observation of soil saturation. **Y/N** Yes

Depth to saturated soil: Surface **Depth to free standing water:** Surface

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? **Y/N** Yes

Is the hydric soil criterion met? **Y/N** Yes

Is the specific hydrology criterion met? **Y/N** Yes

Is this plant community a wetland? **Y/N** Yes

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Jasper Slough		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-30
Applicant/Owner:	City of Springfield	**Date:**	4/24/96
County:	Lane	**State:**	Oregon
Plot or pit location:	North bank of slough, directly north of equestrian center		
Prevailing Weather Conditions:	Partly cloudy with scattered showers, temperature low 50s F.		

General Site Conditions:

Bank of slough through residential area

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but all trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Vallisneria americana*	OBL	H	15*
2 *Phalaris arundinacea*	FACW	H	10*
3 *Glyceria occidentalis*	OBL	H	10*
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

Soils:

Mapped Series: Cloquato silt loam — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/1

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. **Y/N** Yes

Visual observation of soil saturation. **Y/N** Yes

Depth to saturated soil: Surface — **Depth to free standing water:** Surface

Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? Y/N	Yes
Is the hydric soil criterion met? Y/N	Yes
Is the specific hydrology criterion met? Y/N	Yes
Is this plant community a wetland? Y/N	Yes

Comments:

Uplands in this area all developed

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Wetland Routine Onsite Determination Data Sheet

Project Location: Jasper Slough

Field Investigator(s): Bruce Henderson and Kevin O'Hara — **Plot or Pit No.** K-31

Applicant/Owner: City of Springfield — **Date:** 4/24/96

County: Lane — **State:** Oregon

Plot or pit location: Near Jasper Slough confluence with the Mill Race, one foot north of water

Prevailing Weather Conditions: Partly cloudy with scattered showers, temperature low 50s F.

General Site Conditions:

Edge of vacant lot

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No disturbance to bank, but native trees and shrubs have been removed from field to north

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Fraxinus latifolia*	FACW	T	60*
2 *Rubus discolor*	FACU	S	15*
3 *Crataegus douglasii*	FAC	S	5*
4 *Phalaris arundinacea*	FACW	H	40*
5 *Iris pseudoacorus*	OBL	H	20*
6 *Carex obnupta*	OBL	H	10
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 80%

Soils:

Mapped Series: Chapman loam — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/2 with medium, common, distinct 10YR 4/4 and 4/6 soft iron masses on ped surfaces

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. Y/N Yes

Visual observation of soil saturation. Y/N Yes

Depth to saturated soil: Surface — **Depth to free standing water:** Surface

Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? Y/N Yes

Is the hydric soil criterion met? Y/N Yes

Is the specific hydrology criterion met? Y/N Yes

Is this plant community a wetland? Y/N Yes

Comments:

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W-17 E

Wetland Routine Onsite Determination Data Sheet

Project Location:	Jasper Slough		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-23
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	~75 feet west of Clearwater Road in central portion of slough		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Grazed pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but site is actively grazed and most trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Rubus discolor*	FACU	S	15*
2 *Bromus rigidus*	UPL	H	10*
3 *Daucus carota*	UPL	H	45*
4 *Taraxacum officinale*	FACU	H	35
5 *Brassica campestris*	UPL	H	10
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

Soils:

Mapped Series: Fluvents **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-16" 10YR 3/2-4/2 very cobbly, loamy sand

Other hydric soil indicators:

No redoximorphic features evident in soil profile examined

Hydrology:

Visual observation of inundation. **Y/N** No

Visual observation of soil saturation. **Y/N** No

Depth to saturated soil: >16" **Depth to free standing water:** >16"

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	**Y/N** No
Is the hydric soil criterion met?	**Y/N** No
Is the specific hydrology criterion met?	**Y/N** No
Is this plant community a wetland?	**Y/N** No

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location: Jasper Slough

Field Investigator(s): Bruce Henderson and Kevin O'Hara — **Plot or Pit No.** K-25

Applicant/Owner: City of Springfield — **Date:** 4/24/96

County: Lane — **State:** Oregon

Plot or pit location: Ditch bottom west of Dixie Drive

Prevailing Weather Conditions: Partly cloudy with scattered showers, temperature low 50s F.

General Site Conditions:

Vacant lot

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but all native trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Holcus lanatus*	FAC	H	60*
2 *Bromus rigidus*	UPL	H--	20*
3 *Erodium cicutarium*	UPL	H	15
4 *Rumex acetosella*	FACU+	H	15
5 *Geranium molle*	UPL	H	5
6 *Lamium purpureum*	UPL	H	5
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 50%

Soils:

Mapped Series: Fluvents — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-8" 10YR 3/3 very gravelly loam

Other hydric soil indicators:

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N No

Depth to saturated soil: >8" — **Depth to free standing water:** >8"

Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? Y/N No

Is the hydric soil criterion met? Y/N No

Is the specific hydrology criterion met? Y/N No

Is this plant community a wetland? Y/N No

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Jasper Slough		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-26
Applicant/Owner:	City of Springfield	**Date:**	4/24/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Top of bank, north of Jasper Slough ~500 feet east of filbert orchard		
Prevailing Weather Conditions:	Partly cloudy with scattered showers, temperature low 50s F.		

General Site Conditions:

Edge of vacant lot

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No disturbance to bank, but native trees and shrubs have been removed from field to north.

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Acer macrophyllum*	FACU	T	15*
2 *Corylus cornuta*	FACU	S	40*
3 *Rubus discolor*	FACU	S	40*
4 *Agrostis stolonifera*	FAC	H	30*
5 *Holcus lanatus*	FAC	H	20*
6 *Daucus carota*	UPL	H	20*
7			5
8 *Festuca arundinacea*	FAC-	H	20*
9 *Lamium purpureum*	UPL	H	5
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 25%

Soils:

Mapped Series: Cloquato silt loam — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 7.5YR 3/3 silt loam

Other hydric soil indicators:

No redoximorphic features evident in soil profile examined

Hydrology:

Visual observation of inundation. **Y/N** No

Visual observation of soil saturation. **Y/N** No

Depth to saturated soil: >18" — **Depth to free standing water:** >18"

Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	**Y/N** No
Is the hydric soil criterion met?	**Y/N** No
Is the specific hydrology criterion met?	**Y/N** No
Is this plant community a wetland?	**Y/N** No

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Jasper Slough		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-28
Applicant/Owner:	City of Springfield	**Date:**	4/24/96
County:	Lane	**State:**	Oregon
Plot or pit location:	~50 feet west of 42nd Street in slough channel		
Prevailing Weather Conditions:	Partly cloudy with scattered showers, temperature low 50s F.		

General Site Conditions:

Ditch bottom

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but all trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Trifolium pratense*	FACU	H	20*
2 *Festuca arundinacea*	FAC-	H	20*
3 *Poa annua*	FAC	H	15*
4 *Holcus lanatus*	FAC	H	5
5 *Epilobium watsonii*	FACW-	H	5
6 *Convolvulus arvensis*	UPL	H	2
7 *Cirsium arvense*	FACU+	H	2
8 *Rubus discolor*	FACU	H	1
9 *Rumex crispus*	FAC+	H	1
10			
			* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

Soils:

Mapped Series: Newberg loam — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/2

Other hydric soil indicators:

No redoximorphic features evident in soil profile examined

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N Yes

Depth to saturated soil: 13" — **Depth to free standing water:** >18"

Drift lines. Y/N No — **Sediment deposits. Y/N** Yes — **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	Y/N No
Is the hydric soil criterion met?	Y/N No
Is the specific hydrology criterion met?	Y/N Yes
Is this plant community a wetland?	Y/N No

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Jasper Slough		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-32
Applicant/Owner:	City of Springfield	**Date:**	4/24/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Near Jasper Slough confluence with the Mill Race, 15 feet north of and 8 feet upslope from Plot K-31		
Prevailing Weather Conditions:	Partly cloudy with scattered showers, temperature low 50s F.		

General Site Conditions:

Edge of vacant lot

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No disturbance to bank, but native trees and shrubs have been removed from field to north

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Acer macrophyllum*	FACU	T	90*
2 *Rubus discolor*	FACU	S	40*
3 *Symphoricarpos albus*	FACU	S	20*
4 *Prunus emarginata*	FACU	S	5
5 *Festuca arundinacea*	FAC-	H	20*
6 *Tellima grandiflora*	UPL	H	15*
7 *Galium aparine*	FACU	H	5
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

Soils:

Mapped Series: Chapman loam — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/2

Other hydric soil indicators:

No redoximorphic features evident in soil profile examined

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N No

Depth to saturated soil: >18" — **Depth to free standing water:** >18"

Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	Y/N No
Is the hydric soil criterion met?	Y/N No
Is the specific hydrology criterion met?	Y/N No
Is this plant community a wetland?	Y/N No

Comments:

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WETLAND SUMMARY SHEET

Date of Field Determination: 4/23/96 **Wetland Code:** W18

Wetland Data Points: K2-3, K5, K8-9, K12-13, K16

Upland Data Points: K1, K4, K6-7, K10-11, K14-5

* *Denotes Offsite Determination*

Location:

Legal:

Other: Natron Site

Classification:

Cowardin: PEM/PFO **NWI:** PEMC, PEMFx, PUBFx

Soil:

Series: Chehulpum, Hazelair, Panther, Linslaw

Color: 10YR 3/1, 3/2, 4/1

Hydrologic Basin: Willamette Basin

Size: 131.99

Dominant Plant Community:

Overstory	Understory	Ground cover
Populus balsmnifera	*Rosa nutkana*	*Alopecurus pratensis*
Fraxinus latifolia	*Rubus laciniatus*	*Juncus patens*
	Oemlaria cerasiformis	*Callitriche verna*
		Tolmiea menziesii
		Poa pratensis
		Claytonia sibirica

Comments:

Wetland Routine Onsite Determination Data Sheet

Project Location:	Natron Site		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-2
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	~20 feet downslope (west) from plot K-1		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but all trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Populus balsamifera*	FAC	T	5*
2 *Rosa nutkana*	FAC	S	5*
3 *Alopecurus pratensis*	FACW	H	70*
4 *Juncus patens*	FACW	H	15
5 *Ranunculus repens*	FACW	H	10
6 *Juncus effusus*	FACW	H	5
7 *Camassia quamash*	FACW	H	2
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

Soils:

Mapped Series: Chehulpum silt loam **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/2 with fine, common, distinct 10YR 4/6 soft iron masses and nodules; 18"+ 5Y 6.5/2 fragipan

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N Yes

Depth to saturated soil: Surface **Depth to free standing water:** 6"

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? Y/N Yes

Is the hydric soil criterion met? Y/N Yes

Is the specific hydrology criterion met? Y/N Yes

Is this plant community a wetland? Y/N Yes

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location: Natron Site
Field Investigator(s): Bruce Henderson and Kevin O'Hara — **Plot or Pit No.** K-3
Applicant/Owner: City of Springfield — **Date:** 4/23/96
County: Lane — **State:** Oregon
Plot or pit location: ~500 feet downslope (southwest) from plot K-2 in wide area of central (north to south) drainage
Prevailing Weather Conditions: Showers and windy, temperature upper 50s F.
General Site Conditions:

Grazed pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but site is actively grazed and most trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Alopecurus pratensis*	FACW	H	50*
2 *Juncus patens*	FACW	H	40*
3 *Callitriche verna*	OBL	H	40*
4 *Glyceria occidentalis*	OBL	H	10
5 *Rumex crispus*	FAC+	H	2
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

Soils:

Mapped Series: Hazelair silty clay loam — **Is the mapped soil on the hydric soils list? Y/N** No
Soil profile: 0-18" 10YR 3/1
Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. Y/N Yes
Visual observation of soil saturation. Y/N Yes
Depth to saturated soil: Surface — **Depth to free standing water:** Surface
Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** Yes

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? Y/N Yes
Is the hydric soil criterion met? Y/N Yes
Is the specific hydrology criterion met? Y/N Yes
Is this plant community a wetland? Y/N Yes

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Natron Site		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-5
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Alopecurus pratensis patch in pasture ~120 feet west of road		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but all trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Alopecurus pratensis*	FACW	H	100*
2 *Trifolium repens*	FAC	H	2
3 *Ranunculus orthorhynchus*	FACW-	H	2
4			
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

Soils:

Mapped Series: Hazelair silty clay loam — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/1

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. **Y/N** Yes

Visual observation of soil saturation. **Y/N** Yes

Depth to saturated soil: Surface — **Depth to free standing water:** Surface

Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** Yes

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	**Y/N** Yes
Is the hydric soil criterion met?	**Y/N** Yes
Is the specific hydrology criterion met?	**Y/N** Yes
Is this plant community a wetland?	**Y/N** Yes

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Natron Site		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-7
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Lower field east side of site, ~300' east of road, across from mill		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but all trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Hypochaeris radicata*	FACU	H	70*
2 *Anthoxanthum odoratum*	FACU	H	60*
3 *Plantago lanceolata*	FAC	H	15*
4 *Ranunculus acris*	FACW-	H	10
5 *Cynosurus cristatus*	UPL	H	5
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

Soils:

Mapped Series: Hazelair silty clay loam — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/2

Other hydric soil indicators:

No redoximorphic features evident in soil profile examined

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N Yes

Depth to saturated soil: 12" — **Depth to free standing water:** >18"

Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	Y/N No
Is the hydric soil criterion met?	Y/N No
Is the specific hydrology criterion met?	Y/N No*
Is this plant community a wetland?	Y/N No

Comments:

*Saturated conditions likely due to recent, persistent rains; not indicative of wetland hydrology

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Natron Site		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-8
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	~100 feet southeast from Plot K-8 in drainage swale		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but all trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Alopecurus pratensis*	FACW	H	80*
2 *Rumex salicifolius*	FACW	H	15
3 *Carex athrostachya*	FACW	H	10
4 *Ranunculus orthorhynchus*	FACW-	H	10
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

Soils:

Mapped Series: Hazelair silty clay loam **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/2 with fine, common, distinct 10YR 4/4 soft iron masses on ped surfaces pores

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. Y/N Yes

Visual observation of soil saturation. Y/N Yes

Depth to saturated soil: Surface **Depth to free standing water:** Surface

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** Yes

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	Y/N Yes
Is the hydric soil criterion met?	Y/N Yes
Is the specific hydrology criterion met?	Y/N Yes
Is this plant community a wetland?	Y/N Yes

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Natron Site		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-9
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Wooded area near southeast corner of site, east of raod		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Wooded

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

Shrubs have been removed creating a park-like setting. Selective herbicide applications to Juncus species is evident

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Fraxinus latifolia*	FACW	T	40*
2 *Quercus garryana*	UPL	T	5
3 *Crataegus douglasii*	FAC	T	2
4 *Rubus laciniatus*	FACU+	S	5*
5 *Alopecurus pratensis*	FACW	H	60*
6 *Poa pratensis*	FAC	H	20*
7 *Holcus lanatus*	FAC	H	15
8 *Juncus effusus*	FACW	H	2
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 75%

Soils:

Mapped Series: Hazelair silty clay loam **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/2 with many, medium, distinct 10YR 4/6 soft iron masses on ped surfaces and root channels

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. **Y/N** No

Visual observation of soil saturation. **Y/N** Yes

Depth to saturated soil: Surface **Depth to free standing water:** 8"

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? **Y/N** Yes

Is the hydric soil criterion met? **Y/N** Yes

Is the specific hydrology criterion met? **Y/N** Yes

Is this plant community a wetland? **Y/N** Yes

Comments:

Oxidozed rhizospheres common in upper soil horizon

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W-18 F

Wetland Routine Onsite Determination Data Sheet

Project Location:	Natron Site		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-12
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Wooded area ~100 feet south (downslope) from Plot K-11		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Wooded

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but site is grazed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Fraxinus latifolia*	FACW	T	100*
2 *Oemleria cerasiformis*	FACU	S	5*
3 *Claytonia sibirica*	FAC	H	70*
4 *Tolmiea menziesii*	FAC	H	30*
5 *Ranunculus orthorhynchus*	FACW-	H	20
6 *Ranunculus acris*	FACW-	H	5
7 *Saxifraga oregana*	FACW+	H	2
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 75%

Soils:

Mapped Series: Panther silty clay loam **Is the mapped soil on the hydric soils list? Y/N** Yes

Soil profile: 0-18" 10YR 4/1 with few, fine, distinct, 10YR 4/4 and 4/6 soft iron masses

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N Yes

Depth to saturated soil: Surface **Depth to free standing water:** 6"

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	Y/N Yes
Is the hydric soil criterion met?	Y/N Yes
Is the specific hydrology criterion met?	Y/N Yes
Is this plant community a wetland?	Y/N Yes

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Natron Site		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-13
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Central pasture ~1000 feet south from Weyerhaeuser Road		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Grazed pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but site is actively grazed and most trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Alopecurus pratensis*	FACW	H	100*
2 *Carex sp.*	FACW	H	60*
3 *Ranunculus orthorhynchus*	FACW-	H	30
4 *Camassia quamash*	FACW	H	15
5			
6			
7			
8			
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

Soils:

Mapped Series: Panther silty clay loam **Is the mapped soil on the hydric soils list? Y/N** Yes

Soil profile: 0-18" 10YR 4/1 with common, fine, distinct, 10YR 4/4 and 4/6 soft iron masses on ped surfaces

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. **Y/N** Yes

Visual observation of soil saturation. **Y/N** Yes

Depth to saturated soil: Surface **Depth to free standing water:** Surface

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? **Y/N** Yes

Is the hydric soil criterion met? **Y/N** Yes

Is the specific hydrology criterion met? **Y/N** Yes

Is this plant community a wetland? **Y/N** Yes

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Natron Site		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-1
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	North end of site, ~ 100 east of east road		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but all trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Plantago lanceolata*	FAC	H	45*
2 *Daucus carota*	UPL	H	35*
3 *Trifolium pratense*	FACU	H	30*
4 *Anthoxanthum odoratum*	FACU	H	20
5 *Alopecurus pratensis*	FACW	H	15
6 *Festuca arundinacea*	FAC-	H	15
7 *Vicia sativa*	UPL	H	15
8 *Taraxacum officinale*	FACU	H	5
9 *Ranunculus acris*	FACW-	H	2
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

Soils:

Mapped Series: Chehulpum silt loam **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-12" 10YR 3/2; 12"+ 5Y 6.5/2 fragipan

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N Yes

Depth to saturated soil: 12" **Depth to free standing water:** >12"

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	Y/N No
Is the hydric soil criterion met?	Y/N No
Is the specific hydrology criterion met?	Y/N No
Is this plant community a wetland?	Y/N No

Comments:

David Evans and Associates, Inc.
2828 SW Corbett Avenue
Portland, Oregon 97201
(503) 223-6663 FAX (503) 223-2701

Wetland Routine Onsite Determination Data Sheet

Project Location:	Natron Site		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-4
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	~20 feet west and ~4 feet elevation gain from plot K-3		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Grazed pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but site is actively grazed and most trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Trifolium pratense*	FACU	H	60*
2 *Festuca arundinacea*	FAC-	H	30*
3 *Chrysanthemum leucanthemum*	UPL	H	15
4 *Plantago major*	FACU+	H	5
5 *Poa annua*	FAC	H	5
6 *Cerastium vulgatum*	UPL	H	5
7 *Geranium molle*	UPL	H	5
8 *Plantago major*	FACU+	H	5
9			
10			
			* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

Soils:

Mapped Series: Hazelair silty clay loam — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/2 with few, fine, nodules

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N No

Depth to saturated soil: >18" — **Depth to free standing water:** >18"

Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? Y/N	No
Is the hydric soil criterion met? Y/N	No
Is the specific hydrology criterion met? Y/N	No
Is this plant community a wetland? Y/N	No

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Natron Site		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-6
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	~50 feet south of plot K-5		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but all trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Alopecurus pratensis*	FACW	H	60*
2 *Trifolium repens*	FAC	H	40*
3 *Festuca arundinacea*	FAC-	H	20
4 *Ranunculus acris*	FACW-	H	15
5 *Taraxacum officinale*	FACU	H	10
6 *Cynosurus echinatus*	UPL	H	5
7 *Vicia sativa*	UPL	H	5
8 *Geranium molle*	UPL	H	5
9 *Hypochaeris radicata*	FACU	H	5
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 100%

Soils:

Mapped Series: Hazelair silty clay loam — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3.5/2

Other hydric soil indicators:

No redoximorphic features evident in soil profile examined.

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N No

Depth to saturated soil: >18" — **Depth to free standing water:** >18"

Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** Yes

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	Y/N No
Is the hydric soil criterion met?	Y/N No
Is the specific hydrology criterion met?	Y/N No
Is this plant community a wetland?	Y/N No

Comments:

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Natron Site		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-10
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	~150 feet northwest from Plot K-9		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but all trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Festuca arundinacea*	FAC-	H	40*
2 *Cynosurus cristatus*	UPL	H	40*
3 *Trifolium dublum*	UPL	H	30*
4 *Bellis perennis*	UPL	H	20
5 *Ranunculus acris*	FACW-	H	15
6 *Trifolium pratense*	FACU	H	10
7 *Taraxacum officinale*	FACU	H	10
8 *Cerastium vulgatum*	UPL	H	5
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

Soils:

Mapped Series: Hazelair silty clay loam **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/2 with few, fine, distinct 10YR 4/6 soft iron masses on ped surfaces

Other hydric soil indicators:

None

Hydrology:

Visual observation of inundation. **Y/N** No

Visual observation of soil saturation. **Y/N** No

Depth to saturated soil: >18" **Depth to free standing water:** >18"

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	**Y/N** No
Is the hydric soil criterion met?	**Y/N** Yes
Is the specific hydrology criterion met?	**Y/N** No
Is this plant community a wetland?	**Y/N** No

Comments:

Shallow drainage ditches in site create localized areas without wetland hydrology

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Natron Site		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-11
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Centrally located in north end of site, ~ 150 feet south of Weyerhaeuser Road		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but all trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Achillea millefolium*	FACU	H	20*
2 *Plantago major*	FACU+	H	20*
3 *Festuca arundinacea*	FAC-	H	15*
4 *Cynosurus cristatus*	UPL	H	10
5 *Alopecurus pratensis*	FACW	H	10
6 *Erodium cicutarium*	UPL	H	5
7 *Ranunculus acris*	FACW-	H	5
8 *Taraxacum officinale*	FACU	H	5
9 *Cerastium vulgatum*	UPL	H	5
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 0%

Soils:

Mapped Series: Chehulpum silt loam **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 3/2

Other hydric soil indicators:

No redoximorphic features evident in soil profile examined

Hydrology:

Visual observation of inundation. **Y/N** No

Visual observation of soil saturation. **Y/N** Yes

Depth to saturated soil: 12" **Depth to free standing water:** >18"

Drift lines. Y/N No **Sediment deposits. Y/N** No **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? **Y/N** No

Is the hydric soil criterion met? **Y/N** No

Is the specific hydrology criterion met? **Y/N** No*

Is this plant community a wetland? **Y/N** No

Comments:

*Saturated conditions likely due to recent, persistent rains; not indicative of wetland hydrology

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Wetland Routine Onsite Determination Data Sheet

Project Location:	Natron Site		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-14
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	Central pasture ~50 feet south Plot K-13		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Grazed pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but site is actively grazed and most trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Rubus discolor*	FACU	S	30*
2 *Plantago lanceolata*	FAC	H	60*
3 *Hypochaeris radicata*	FACU	H	40*
4 *Bromus sp.*	FACU	H	40*
5 *Alopecurus pratensis*	FACW	H	20
6 *Daucus carota*	UPL	H	15
7 *Festuca arundinacea*	FAC-	H	10
8 *Cerastium vulgatum*	UPL	H	5
9 *Parentucellia viscosa*	FAC-	H	5
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 25%

Soils:

Mapped Series: Hazelair silty clay loam — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 10YR 4/2

Other hydric soil indicators:

No redoximorphic features evident in soil profile examined

Hydrology:

Visual observation of inundation.			**Y/N** No
Visual observation of soil saturation.			**Y/N** Yes
Depth to saturated soil: Surface		**Depth to free standing water:**	12"
Drift lines. Y/N No	**Sediment deposits. Y/N** No	**Drainage patterns. Y/N**	No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met?	**Y/N** No
Is the hydric soil criterion met?	**Y/N** No
Is the specific hydrology criterion met?	**Y/N** Yes
Is this plant community a wetland?	**Y/N** No

Comments:

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W-18 N

Wetland Routine Onsite Determination Data Sheet

Project Location:	Natron Site		
Field Investigator(s):	Bruce Henderson and Kevin O'Hara	**Plot or Pit No.**	K-15
Applicant/Owner:	City of Springfield	**Date:**	4/23/96
County:	Lane	**State:**	Oregon
Plot or pit location:	South pasture, ~300 north of Jasper Road along south-facing slope		
Prevailing Weather Conditions:	Showers and windy, temperature upper 50s F.		

General Site Conditions:

Grazed pasture land

Is there noticeable disturbance of this site's native vegetation, soils, and/or hydrology?

No recent disturbance, but site is actively grazed and most trees and shrubs have been removed

Vegetation:

Dominant Plant Species:	Indicator Status	Stratum	% Cover
1 *Rubus discolor*	FACU	S	20*
2 *Festuca arundinacea*	FAC-	H	60*
3 *Plantago lanceolata*	FAC	H	40*
4 *Hypochaeris radicata*	FACU	H	30
5 *Daucus carota*	UPL	H	15
6 *Alopecurus pratensis*	FACW	H	10
7 *Plantago major*	FACU+	H	5
8 *Taraxacum officinale*	FACU	H	5
9			
10			

* = dominant

Percent of dominant species that are OBL, FACW, and/or FAC? 33%

Soils:

Mapped Series: Salkum silt loam — **Is the mapped soil on the hydric soils list? Y/N** No

Soil profile: 0-18" 7.5YR 3/3

Other hydric soil indicators:

No redoximorphic features evident in soil profile examined

Hydrology:

Visual observation of inundation. Y/N No

Visual observation of soil saturation. Y/N No

Depth to saturated soil: >18" — **Depth to free standing water:** >18"

Drift lines. Y/N No — **Sediment deposits. Y/N** No — **Drainage patterns. Y/N** No

DEA Wetland Determination:

Is the hydrophytic vegetation criterion met? Y/N No

Is the hydric soil criterion met? Y/N No

Is the specific hydrology criterion met? Y/N No

Is this plant community a wetland? Y/N No

Comments:

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Oregon

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June 24, 1994

Susie Smith
City of Springfield
225 5th St.
Springfield, OR 97445

Re: Update on Wetland Conservation Plan Inventory and Review of Draft Plan

Dear Susie:

Enclosed is the updated matrix for the wetland conservation plan inventory (WCPI) for Springfield. The majority of the uncertain wetland jurisdictional determination questions from the previous review have been answered. The wetland identification numbers in **bold** still need additional work. Either Nancy Leibowitz or the person taking my position will look at these areas to make a final determination. There are still some questions listed on the matrix that the city or David Evans and Assoc. (DEA) will need to clarify before submitting the final WCPI to the Division. Also, wetlands, streams, ditches, log ponds, and other bodies of water need to be sorted out; not everything grouped under wetlands. Refer to my March 25, 1994 letter for more detailed suggestions.

The Division is currently working on modifying the WCPI rules and hopefully the changes will be approved by the Land Board at their September meeting. The proposed rule changes will be less stringent than those presently adopted. The amended rules will emphasis the planning nature of the inventory and not the jurisdicational certainity that every wetland greater than .01 acre is mapped and the wetland boundary is delineated. I suggest that the City of Springfield wait until the changes to the rules are adopted before submitting the inventory for final review. Janet Morlan is working on the revisions. She can be contacted at extension 236 for additional information.

I also reviewed the other documents submitted. The "Historical Analysis of Waterways and Log Ponds in Springfield, Oregon" was extremely helpful in the

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FAX (503)

Division's jurisdictional determinations. It also provides a thorough documentation of waterway systems in the area. It should be very helpful to the city in identifying restoration sites and connected systems.

The DRAFT wetlands designations document is a good start. As I suggested in my March 25 letter, some of the individual wetland determinations need to be grouped together for the function and value assessment and alternative analysis. Please see the matrix for suggestions. This is especially important for the Potato Hill wetland areas.

The categorization of wetland sites into high, medium, and low by addition of all the function and value scores raises some "red flags". As talked about at the last technical advisory committee, addition often leads to dilution. If one function is high but the rest are low, the wetland will most likely be placed in the low category. At the very least, the city needs to look at wetlands with one or more high functions or values outside of the additive score value. Also, using wetland size as part of the function and value assessment discounts small wetlands that may be valuable for amphibians and other smaller wildlife. Size is factored in many times as part of a function. For example, flood control values are dependent on size. So, in essence, you are at the least double weighting it in importance. I suggest you take it out.

The results of the function and value assessment were divided into ranges for high, medium, and low. It appears that a bell curve was used to establish where the cut off numbers would be. The problem with using this method is that the original numbers (1,2, or 3) are artifical. When added together, the do not represent a set of real information. On the ground, how does a "17" wetland differ from an "18" wetland? Instead, the Division suggests the city evaluates the functions and values of each wetland independently in light of how each meets the goals of the plan. If a wetland's function and value meets the goal of the plan or is unique it should be considered high value. Criteria can be established for all catagories based on the goals and uniqueness of the wetland.

For the locally unique catagory, Deschampsia prairies should also be included. Appendix E of the DRAFT technical report list Deschampsia cespitosa as a plant species encountered during field investigations. These remnant native prairies should be protected.

Additional work is needed on looking for alternative locations for proposed development sites. For example, M35 assumes the access road is needed and that fill will be placed without first looking at alternatives for the road location. From the comments the Division received on the public notice for the West Eugene Wetland Conservation Plan, it is clear that the alternative analysis is a key component as to whether the plan meets the requirements of state and federal law. Findings must include looking for alternative sites for these areas.

From the materials given to me for review, it is apparent that much effort has gone into the city's wetland planning process. It is always easier to point out the additional work that needs to be done than laud the excellent work that has taken place. I compliment you on the work that you have done so far and your persistence to stay with the program as the rules, agency personnel, and processes continue to change.

If you have any questions about my comments, I will be at the Division until July 1. There will be a short time that my position will be vacant but the Division anticipates having someone in place by the first of August. Janet Morlan will be able to answer your questions in the interim time period. I have enjoyed working with you and assisting the city with their planning efforts. Good luck in the future.

Sincerely,

Emily Roth

Emily Roth
Wetlands Program

ER/slz
emi:643

Enclosure

cc: Tina Monical, Corps of Engineers
Susan Cunningham, DEA
Frank Flynn, DLCD
Tim Bingham, LCOG
Nancy Leibowitz, ODSL
Janet Morlan, ODSL

Wetland Identifier	DSL Jurisdiction	Comments
M01	Yes	This is a tributary to Cedar Creek. Jurisdiction is
		to top of bank. Wetland summary sheet and
		narrative need to be changed to indicate it is a
		creek (now described as a wetland). Also state
		that it continues outside study area.
M02	No	Weyerhaeuse settlement pond that was artifically
		created from uplands. DSL letter 10/6/92 to David
		Barrows (DLS file #92-0222).
M03	Yes	C58 is a wetland data point -needs to be changed
		on the data sheet. DSL has issued an after the
		fact permit (#7323) for this area. Should show area
		as wetland on tax lot 400 as they have been
		ordered to restore (may want to use a separate
		pattern on map). Combine with other Potato Hill
		wetlands for assessment and alternative analysis
M04	Yes	DSL was on-site 5/4/93 (very wet at that time).
		Area around B24 should be upland.
		B105 needs to be changed to B106 on map.
		Wetland boundary is approximate
M05	Yes	P. Scoles wetland delineation, DSL letter 3/23/92,
		(Det. 92-0123).Part of Potato Hill wetland complex
		S19 should be mapped as a wetland data point
		(disturbed site criteria). S20 is part of M35.
		S16 is part of M38. B21-when was fill placed?
		This is still a wetland based on disturbed site
		criteria. C56 is on the edge. C57-need to verify
		thydrology. S2-missing data sheet.
M06	Yes	P. Scoles delineation. DSL letter 10/6/93. DSL
		permit #FP 7343; Corp. permit # 300227. Need to
		show Scoles wetland mapping and DSL permit
		number if not built. If built, show mitigation area as
		wetland.
M07	Yes	DSL looked at site in-field on 5/5/93, connected to
		Maple Island Slough
M08	Yes	Off-site determination, wetland may be larger.
M09		No wetland with this identification number
M10	Maybe	Seasonal intermittent stream. Is it connected to
		a natural waterway and does it have aquatic
		resource value for food or game fish? If yes, then
		regulated by DSL to top of bank.
M11	No	Off-site determination. Pond built out of Oxley soil
		(not hydric). Artifically created, less than 1 acre
M12	No	Historic informationshows this as a linear ditch.
		Built in Chapman soil (not hydric-need to change
		data sheet for C35)
M13		No wetland with this identification number
M14	Yes	C46-cannot locate on map.

Wetland Identifier	DSL Jurisdiction	Comments
		Wetland boundary is approximate
M15	Yes	Depression in a pasture.
M16	Yes	Irving Slough, regulated to top of bank in channel
		areas. Areas have been ditched but have an
		open connection to the slough and are part of a
		historical waterway. Cannot locate S50 on the
		map. S52-missing data sheet.
M17	Yes	Combine with M29 for assessment and alternatives
M18	No	No state jurisdiction over log ponds built entirely
		from uplands.
M19	Yes	Surrounded by residential development
		DSL investigating violation at this site
M20	Yes	Maple Island Slough. Based on historical inform-
		ation and off-site determination. This is an incised
		slough. The western end is not wetland, more
M21	Yes	work is needed to determine extent of wetland.
M22	Unsure	L14-recheck hydrology.
		L35-vegetation falls out under 1987 manual and
		the hydrology needs to be rechecked.
M23	Yes	Need to show on overall map of inventory.
		L9-the hydrology is met, change data sheet.
M24	Yes	Need to remap wetland using the 1987 manual
		criteria (smaller wetland area).
		C22 is an upland data point.
M25	Yes	Q St. Floodway. Determination based on field and
		historical information. Do the three data points
		shown accurately represent all the communities
		present? Is this really 98.6 acres, that seems
		extremely large for what is shown on the map.
		State jurisdiction is to top of bank.
		C15 is an upland data point, needs to be remapped
M26	Yes	Change mapping to reflect data sheet info.
M27	Yes	See T17S-3-27NW and NE for proposed
		grouping of wetlands for assessment .
		C14-put with Q Street Floodway .
M28		Gateway Mall mitigation project. C1 is an upland
		data point, does not describe the wetland.
M29	Yes	Combine with M17 for assessment and alternative
		analysis, as part of the same wetland system.
M30	Yes	C53-need to verify hydrology either there or at
		an adjacent site since boundary is determined
		by change in hydrology. New owner would not
		give permission to enter for DSL to field check.
M31	No	Log pong built from upland soils.
M32	No	MeKenize irrigation ditch west. DSL letter dated
		July 15, 1993 to David Pedersen. Remove filled
		area from map, can leave ditch on, just show it is

Wetland Identifier	DSL Jurisdiction	Comments
		not jurisdictional.
M33	Yes/No	Kizer Slough is jurisdictional; the log ponds are
		not as determined by DSL in letter dated 10/6/92
		to David Barrows (Woodward-Clyde Consultants)
M34	Yes	S38-remap as an upland data point.
M35	Yes	Partially done off-site. Connect with other Potato
		Hill wetlands as all part of the same system. The
		violation by Pat Hubbard is being resolved and
		the wetland will be restored. Need to show on
		map that wetland existed at that site as it is not
		upland.
M36	Yes	Add to overall map. Change "connectivity" on the
		summary sheet. Part of Potato Hill wetlands.
M37	No	Intermittent drainage
M38	Maybe	Part of Potato Hill wetland system, combine with
		others for alternative analysis. Looks like a ditch
W01	Yes	Mill Race. Determination based on historical
		information-hand dug in 1852 from a natural
		waterway. Boundary of jurisdiction is top of
		bank. This is a stream/canal and should be
		labeled as such and not assessed as a wetland.
		Acreage should be put in other bodies of water
W02	Yes	Need an upland data point. Area fenced with a
		no trespassing sign, could not field check.
		L16-check hydrology, if given permission.
W03	Yes	Jasper Slough, built from a natural drainage.
		State jurisdiction is to top of bank. Need to change
		summary sheet for boundary description.
		L21-need to correct the mapping.
W04	No	Ditch built from upland soil that now has wetland
		characteristics.
W05	Yes	Need a data point characterizing the PEM
		community.
		L2-see Susie's note.
		Incised wetland area
W06	Unsure	Additional information needed. Need upland
		data points and wetland points on the east end
		to document change in hydrology and vegetation.
		There is a pond mentioned in the comments but
		no POW mapped.
		B27-saturated soil at what depth? This could
		meet the hydrology criteria.
W07	Yes	Mill Pond, a historic log pond built from uplands.
		State jurisdiction as part of a larger water system.
W08	No	Log pond built in upland soil.
W09	Yes	
W10	Yes	Combine with the Mill Race (WO1)
W11	Yes	B1 and B2 are not mapped. Description in the

Wetland Identifier	DSL Jurisdiction	Comments
		narrative needs to be corrected (p. 13).
W12	Yes	Incised area, is a distinct linear feature.
		Wetland area located at northern end.
W13	Yes	Patterson Slough/Canoe Canal. Boundary
		determination is stated as change in hydrology
		and vegetation but there are no wetland data
		points. If an incised area, state that for boundaries
		Better described as a Riverine than a Paulistrine system?
W14	Yes	Need 1993 hydrology information.
		When were agricultural practices abandon?
		Need to update C18 and C19 with May 1993
		information.
		L104-upland data point.
W15	Yes	Riverwash is considered hydric, the color is not
		important.
W16	No	Intermittent, no connection to a natural waterway.
Misc. Data Points		
C43		Not mapped, says on edge of wetland but not
		shown.
B3		Put with W13
B9		Can't locate on 17-3-34NW
B1 and B2		Need data sheets

Oregon

March 25, 1994

DIVISION OF
STATE LANDS

STATE LAND BOARD

BARBARA ROBERTS
Governor

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Secretary of State

JIM HILL
State Treasurer

Susie Smith
City of Springfield
225 Fifth St.
Springfield, OR 97477

Re: Review of the DRAFT WCPI for the City of Springfield

Dear Susie:

I have completed the Division's review of the DRAFT wetland conservation planning inventory (WCPI) for the City of Springfield. The review was based on the wetland criteria in the 1987 Corps of Engineers Wetlands Delineation Manual. Overall, the information and maps submitted accurately represent the wetland and waterways in the city. The enclosed matrix details the Division's jurisdiction, identifies sites where additional on-site work and/or information is needed.

Throughout my review I have made notes and corrections on various summary and data sheets, maps and in the wetland narrative. Issues that need to be resolved are stated in the matrix for each wetland site. Some information or maps were either not submitted or I could not find them. The additional information needed is at the bottom of the matrix or listed on the "Addition Information..." page attached.

After reviewing the Division's jurisdiction, revisions will need to be made to the wetland acreage totals for the inventory. The Division does not regulate log ponds, ditches or small bodies of water (less than 1 acre) that were created entirely from uplands. Also, jurisdictional creeks, streams and ditches should be identified as such and not labeled wetlands (it leads to all sorts of confusion among the public). I suggest the city show jurisdictional waters by number of wetland acres and miles of creek, streams and ditches. Bodies of water not regulated by the state should be left in the inventory but given a separate mapping pattern. Acreage for these areas should be shown by type, such as log pond, and miles of ditch. If the city wants to include them in the planning process, that is the city's decision, though the Division recommends it. Since there are numerous log ponds and

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ditches in the planning area, you should contact the Army Corps of Engineers to have them make a determination as to which areas are regulated under the Clean Water Act.

For planning purposes and designating wetlands into protection, conservation and development categories, some of the wetlands need to be combined as the separation made for determination are artificial. For example, the wetlands at the base of Potato Hill (M03, M05, M35-38) are part of the same wetland complex that has been fragmented from fill activity and road building. The Division has recently issued a restoration order on one parcel, that will reconnect a fragmented area. Also the area south of Main Street containing wetlands M17, M29, M30, and M34 (East Springfield Slough) should be looked at as one system.

On many of the wetland summary sheets the water source is listed as "Probable hydrologic source is surface flow and precipitation". It is clear that at some of the sites the hydrologic source is a perennial waterways or stream overflow. This needs to be reviewed and better documented.

For boundary determinations, the majority of summary sheets state it is based on change in hydrology and vegetation. From the information in the data sheets and maps, it is apparent that some of the wetlands are incised or there is a distinct topographical change. If the boundary is based on change in vegetation and hydrology, then there must be at least one upland and wetland data point for each wetland. I have noted in the matrix where an additional data point is needed to verify the boundary.

Along with the matrix, I have enclosed a copy of all the wetland delineations on file at the Division for the Springfield area. Any inventory site where the Division has already concurred with a wetland delineation or a jurisdictional decision has been made needs to be mapped according to the Division's decision. This will require some mapping changes.

The wetland site function information was also reviewed. The information collected was satisfactory except for water quality and connections to other wetlands, waterways and upland natural habitats. The connections need to be reviewed from recent air photos and tied in to the major river systems of the area. Water quality still needs to be completed. There was no criteria given for how the rating of high, medium and low on the summary sheets was given for each function. An explanation needs to be provided. As talked about at the last technical advisory committee it is important to have distinct wetland

function and value information to consider along with economic and ownership information when establishing wetland protection, conservation and development designations.

Finally, in order to meet the WCPI rules (OAR 141-86-110 thru 141-86-170), the following information needs to be submitted at time of final review:

- explanation on how the minimum wetland size of .01 acres was met;
- substantiation that adjacent wetland classifications were resolved to .01 acres;
- technical staff members and their qualifications;
- description of mapping procedures used; and
- disclaimer that some smaller wetlands may have been missed and as identified will be added to the inventory.

Enclosed is a copy of the WCPI checklist I completed. Checked boxes indicate I received and reviewed the information as required in the rules. Unchecked boxes indicate information that needs to be submitted as part of the final inventory.

With some additional fieldwork and minor corrections, the inventory should be ready for final review. I do not know the terms of the city's contract with David Evans and Associates concerning additional inventory work. Division personnel can do some fieldwork during the on-site inventory review scheduled for April 21 and 22 but probably not all of it. We can coordinate who will be responsible for checking specific sites in early April.

Thank you for taking the time and effort to submit all the information in a well organized package and sending me the additional information I requested. It expedited my review. Please call if you have any questions or comments about the Division's jurisdiction or any other comments in the letter or matrix. I will be out of the office from March 29 through April 11, so call after then. See you in April.

Sincerely,

Emily Roth

Emily Roth
Wetlands Program

ER/emr
emi:610

Enclosure

cc: Nancy Leibowitz, ODSL
Susan Cunningham, DEA
Liz Varnhagen, Corps

Additional Information, Observations and Questions

1) Did not receive all pages of the Executive Summary, only up to ii.

2) Missing maps 18-2-1NW and 18-2-2NE for wetland site M10.

3) The broken line for off-site determinations does not show up well because of the pattern. You may want to consider a different pattern for off-site or a darker line.

4) Add fieldwork date of May 1993 to legend of maps.

5) What happened to the large area in the SE corner of the study area that was talked about at the last technical advisory committee? Was an off-site determination done for the area?

6) Check the overall map to ensure it includes all wetlands in the study area.

7) The historic information does not always match the narrative information. For example, for wetland site M27 the historic information says it was created from a natural waterway and the narrative says artificially created from upland.

8) Check accuracy of acreage calculations. Some seem too large for the area mapped.

ER:tmh
emi:610

Wetland Identifier	DSL Jurisdiction	Comments
M01	Yes	This is a tributary to Cedar Creek. Jurisdiction is
		at top of bank. Wetland summary sheet and
		narrative need to be changed to indicate it is a
		creek (now described as a wetland). Also state
		that it continues outside study area.
M02	No	Weyerhaeuse settlement pond that was artifically
		created from uplands. DSL letter 10/6/92 to David
		Barrows (DLS file #92-0222).
M03	Yes	C58 is a wetland data point -needs to be changed
		on the data sheet. DSL has issued an after the
		fact permit (#7323) for this area. Should show area
		as wetland on tax lot 400 as they have been
		ordered to restore (may want to use a separate
		pattern on map). Combine with M36.
M04	Yes	DSL was on-site 5/4/93 (very wet at that time).
		Area around B24 should be upland.
		B25-document hydrology. B105 needs to be
		changed to B106 on map.
M05	Yes	P. Scoles wetland delineation, DSL letter 3/23/92,
		(Det. 92-0123). Look at connection to M35, all part
		of the same system. S19 should be mapped as a
		wetland data point (disturbed site criteria). S20 is
		part of M35. S16 is part of M38. B21-when was
		fill placed? This is still a wetland based on dis-
		turbed site criteria. C56 is on the edge. C57-need
		to verify hydrology. S2?-missing data sheet.
M06	Yes	P. Scoles delineation. DSL letter 10/6/93. DSL
		permit #FP 7343; Corp. permit # 300227. Need to
		show Scoles wetland mapping and DSL permit
		number if not built. If built, show mitigation area as
		wetland.
M07	Yes	DSL looked at site in-field on 5/5/93
M08	Yes	Off-site determination, wetland may be larger.
		Was this the only area of hydric soil? What is the
		surrounding land-use?
M09		No wetland with this identification number
M10	Maybe	Seasonal intermittent stream. Is it connected to
		a natural waterway and does it have food or game
		fish? If yes to both above, they DSL regulates to
		top of bank.
M12	Unsure	Off-site determination. Pond built out of Oxley soil
		(not hydric). Need additional information on
		purpose of pond and surrounding soils. If cannot
		get info., will regulate.
M12	No	Historic information states this is a linear ditch.
		Built in Chapman soil (not hydric-need to change
		data sheet for C35)
M13		No wetland with this identification number

Wetland Identifier	DSL Jurisdiction	Comments
M14	Yes	C39-need to verify hydrology
		C41-need to verify hydrology
		C42-check this area as cracked surface is an
		indicator of hydrology. If looked at under the
		disturbed site criteria, would be a wetland.
		C46-cannot locate on map.
		C47-need to verify hydrology
		C48-need to verify hydrology
M15	Yes	Depression in a pasture.
M16	Yes	Irving Slough, regulated to top of bank in channel
		areas. Do you know date(s) of fill?
		Check this area for ditch/slough determinations.
		I cannot locate S50 on the map.
		S52-missing data sheet.
M17	Yes	DSL looked at this site 5/4/93. When was fill placed?
M18	No	No state jurisdiction over log ponds built entirely
		from uplands.
M19	Yes	Need an upland data point.
M20	Yes	Maple Island Slough. Based on historical inform-
		ation and off-site determination. Is this incised?
M21	Yes	Need an upland data point.
M22	Unsure	L14-recheck hydrology.
		L35-vegetation falls out under 1987 manual and
		the hydrology needs to be rechecked.
M23	Yes	Need to show on overall map of inventory.
		L9-the hydrology is met, change data sheet.
M24	Yes	Need to remap wetland using the 1987 manual
		criteria (smaller wetland area).
		C22 is an upland data point.
M25	Yes	Q St. Floodway. Determination based on field and
		historical information. Do the three data points
		shown accurately represent all the communities
		present? Is this really 98.6 acrea; that seems
		extremely large for what is shown on the map.
		State jurisdiction is to top of bank.
		C15 is an upland data point and needs to be
		mapped as such.
M26	Yes	3 community types are listed on the summary
		sheet but only 2 are characterized by data points.
		C6-check hydrology, unless information from
		May 1993 is documented, as mentioned in the
		narrative. If documented, then change data sheet.
		Combine with M27 section that is connected (S53).
M27	Unsure	DSL needs to talk to city about this area.
		See above comment for M26.
		Area east of larger ditch appears to be artifically
		created.
		See T17S-3-27NW and NE for proposed

Wetland Identifier	DSL Jurisdiction	Comments
		grouping of wetlands.
		C5-cracked soils are an indicator of ponding that
		meets the hydrology criteria. Check around this
		area. Was ditch built entirely from uplands?
		S53-check hydrology.
		C14-put with Q Street Floodway .
M28		Gateway Mall mitigation project. C1 is an upland
		data point, does not describe the wetland.
M29	Yes	Combine with M17 for alternative analysis, as
		part of the same wetland system.
M30	Yes	C53-need to verify hydrology either there or at
		an adjacent site since boundary is determined
		by change in hydrology. If can't get permission
		to enter, change line to off site and leave as is.
M31	No	Log pong built from upland soils.
M32	No	MeKenize irrigation ditch west. DSL letter dated
		July 15, 1993 to David Pedersen. Removed filled
		area from map, can leave ditch on, just show it is
		not jurisdictional.
M33	Yes/No	Kizer Slough is jurisdictional; the log ponds are
		not as determined by DSL in letter dated 10/6/92
		to David Barrows (Woodward-Clyde Consultants)
M34	Yes	S38-remap as an upland data point.
M35	Yes	Partially done off-site. Connect with other Potato
		Hill wetlands as all part of the same system. The
		violation by Pat Hubbard is being resolved and
		the wetland will be restored. Need to show on
		map that wetland existed at that site as it is not
		upland.
M36	Yes	Add to overall map. Change "connectivity" on the
		summary sheet.
M37	Unsure	Does this wetland continue outside the study area?
		If yes, pleas indicate in comments. Was this
		artifically created?
M38	Yes	Part of Potato Hill wetland system, combine with
		others for alternative analysis.
		Need an upland data point.
W01	Yes	Mill Race. Determination based on historical
		information-hand dug in 1852 from a natural
		waterway. Boundary of jurisdiction is top of
		bank. This is a stream/canal and should be
		labeled as such and not assessed as a wetland.
		Acreage should be put in other bodies of water
W02	Maybe	Need an upland data point. Is this a low area in
		a field?
		L16-check hydrology.
W03	Yes	Jasper Slough, built from a natural drainage.
		State jurisdiction is to top of bank. Need to change

Wetland Identifier	DSL Jurisdiction	Comments
		summary sheet for boundary description.
		L21-need to correct the mapping.
W04	No	Ditch built from upland soil that now has wetland
		characteristics.
W05	Yes	Need a data point characterizing the PEM
		community.
		L2-see Susie's note.
		Are sides incised in narrow areas? If yes, state
		in comments for boundary determination.
W06	Unsure	Additional information needed. Need upland
		data points and wetland points on the east end
		to document change in hydrology and vegetation.
		There is a pond mentioned in the comments but
		no POW mapped.
		B27-saturated soil at what depth? This could
		meet the hydrology criteria.
W07	Yes	Mill Pond, a historic log pond built from uplands.
		State jurisdiction as part of a larger water system.
W08	No	Log pond built in upland soil.
W09	Yes	Need an upland data point.
W10	Unsure	If part of Mill Race, how come not included with
		W01?
		No connections to another body of water and
		appears to be an artificially created ditch.
W11	Yes	B1 and B2 are not mapped. Description in the
		narrative needs to be corrected (p. 13).
W12	Yes	Need an upland data point. Is this area incised,
		as it appears to be a distinct linear feature. If it is
		state that reason in boundary determination.
W13	Yes	Patterson Slough/Canoe Canal. Boundary
		determination is stated as change in hydrology
		and vegetation but there are no wetland data
		points. If an incised area, state that for boundaries
		Better described as a Riverine than a Paulistrine system?
W14	Probably	Need 1993 hydrology information.
		When were agricultural practices abandon?
		Need to update C18 and C19 with May 1993
		information.
		L104-upland data point.
W15	Yes	Riverwash is considered hydric, the color is not
		important.
W16	Yes	Map 18-3-2NW is missing. How is boundary
		determined? A distinct topographic change?
Misc. Data Points		
C43		Not mapped, says on edge of wetland but not
		shown.
B3		Put with W13

Wetland Identifier	DSL Jurisdiction	Comments
B9		Can't locate on 17-3-34NW
B1 and B2		Need data sheets

E) Final Maps -- Required Elements

- [x] Map Name
- [x] Roads & Railroads
- [x] Legend
- [x] Minimum scale of 1" = 100'
- [x] Geographical Reference (PLS)
- [x] Property Boundaries & parcel numbers
- [ ] Watershed Boudaries (if any)
- [x] Months/year of Field Determinations
- [x] Symbology for Wetlands not Field Verified (if any)
- [x] Wetlands clearly drawn and individually coded
- [ ] Delineated wetland boundaries measured or surveyed: _____
- [ ] Buffers adopted under WCP (added when available)
- [ ] Comments/Needs: Need to add that there may be missed wetlands and will be added to inventory as located

- [x] Scale Bar
- [x] Watercourses
- [x] Airphoto date & scale
- [ ] Disclaimer - see comments
- [x] Sample plots (draft map)

F) Wetland Summary Sheets (for each wetland)

- [x] Wetland Code
- [x] PLS location
- [x] Tax lot(s) wetland falls on
- [x] Classification(s)
- [x] Hydrologic Basin
- [ ] WCP designation (protection; conservation; development)
- [ ] Other: _____

- [x] Address or location
- [x] Size in Acres
- [x] Dominant plant community
- [x] Soil Type
- [x] Hydrology source

- [ ] Comments/Needs: _____

G) Study Area (SA) Summary Report

- [x] Total acreage in SA: _____
- [x] Total acreage of wetlands in SA: _____
- [x] Total number of wetlands in SA: _____
- [ ] Wetland acreage by sub-basin: _____
- [ ] Total acreage of wetlands by classification: _____
- [ ] Number & acreage of all wetlands & each wetland type according to WCP designation (once plan developed)
- [ ] Hydrologically altered former wetlands (i.e., PC) located

- [x] Comments/Needs: See letter about sorting out acreages

H) Final Maps Provided to DSL

- [ ] Stable Base
- [ ] Paper
- [ ] Diskette

I) Landowner Notification

Date Notified: _____

JCM:618

WCPI CHECKLIST FOR DSL APPROVAL

AREA: Springfield Draft: MARCH 1993
Final: _____

Conducted By: DAVID EVANS & ASSOC

NWI Quad(s): Springfield

Date WCPI Accepted by DSL: _____ By: _____
Date WCPI Adopted by Local Government: _____

A) Required Information Sources

- [x] NWI
- [x] Soils survey
- [ ] SCS wetland determinations (if available)
- [ ] FEMA maps (if applicable)
- [x] Other wetlands inventories or habitat maps as available
- [x] Resource agencies: _____
- [x] DSL WETDET database
- [x] Airphotos (color or infra-red); min. scale 1" = 400'

B) Optional Information Sources

- [ ] ASCS slides
- [ ] Local knowledge
- [ ] Natural Heritage maps
- [x] Other: Historical Analysis of Waterways and Log Ponds in Springfield OR

C) Field Work

- [x] ~~1989~~ 1987 Manual procedure followed for onsite wetland determinations
- [x] All Wetlands verified (unless access denied)
- [ ] Minimum Wetland Size of 0.01 acres met
  How substantiated: _____
- [x] Wetlands Classified to Class level with special modifiers
  - [x] Dominant Plant Community Identified
  - [ ] Water Regime Modifiers (optional)
- [ ] Adjacent classifications resolved to 0.1 acre
  How substantiated: _____

- [ ] Comments/Needs: Recheck hydrology to ensure it meets 1987 Manual criteria

D) Process Documentation

- [x] Fieldwork procedures described in sufficient detail
- [x] Dates and scales of source maps and airphotos used
- [ ] Technical staff members & qualifications
- [x] Field data sheets (w/code) for all field-verified wetlands
- [ ] Description of mapping procedures used
- [ ] Info needed:

April 19, 1994

Hi Susie,

The following are the sites that I need to check on Thursday, April 21 (Earth Day). I realize this is short notice but hopefully a few phone calls will get us the permission we need.

M04
M10
M14
M16-Marshall Dannen property and other "ditch" like areas
M19 - Need an upland data point
M20 (State Lands claims ownership, have permission to enter)
M21 - need an upland data point
M22
M26 - see matrix comments
M27
M30
M37
M38 - Need an upland data point
W02
W05
W06
W09 - Need an upland data point
W10
W12 - may need to look at this; see comments on matrix
W14

If you know of other areas that were missed, have had landowners request a look or the city is interested in having me look at, please include those too.

See Thursday at 9:00.

Emily Emily

DIVISION OF STATE LANDS
RECEIVED
2000 OCT 18 P 1:12

Pacific Habitat Services, Inc.
9450 SW Commerce Circle, Suite 180
Wilsonville, Oregon 97070

Telephone number: **(503) 570-0800** **Fax number:** **(503) 570-0855**

Project Memorandum

Date: **October 16, 2000**

To: **Janet Morlan**
Oregon Division of State Lands

From: **Caroline Rim**

Re: **OFWAM for the City of Springfield**
PHS project number: 8-1756

Janet:

Enclosed is a copy of the OFWAM report for the City of Springfield. The report includes all of the final changes which Annette Lalka and I discussed. On September 28, 2000, PHS sent copies of the changes and the updated Index Map to Annette. Also enclosed is a copy of the 9/28/00 memo which was sent along with the changes and the map. Please call if you have any questions.

Caroline

Oregon Freshwater Wetland Assessment Methodology (OFWAM) for Springfield's Local Wetlands Inventory

Prepared for

Oregon Division of State Lands.
Salem, Oregon

Prepared by

Pacific Habitat Services, Inc.
Wilsonville, Oregon
(503) 570-0800

July 1999

Oregon Freshwater Wetland Assessment Methodology (OFWAM) for Springfield's Local Wetlands Inventory

Prepared for

Annette Lalka
Oregon Division of State Lands
775 Summer Street NE
Salem, Oregon 97310-1337

Prepared by

Caroline Rim
Jenny Tilson
Patricia Farrell
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(503) 570-0855 FAX
PHS Project Number: 8-1756

July 1999

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APPENDIX A: OFWAM Data Sheets
APPENDIX B: Significant Wetland Determination Sheets

1.0 INTRODUCTION

The Oregon Division of State Lands (DSL) hired Pacific Habitat Services, Inc. (PHS) to conduct wetland function and condition assessments and determination of significance on wetlands mapped within the City of Springfield's Local Wetlands Inventory (LWI) study area. The Local Wetlands Inventory was conducted by David Evans and Associates in 1998, however the wetland assessment was not completed during this process. The LWI has been accepted by DSL.

The LWI and assessment study area is in the Urban Growth Boundary for the City of Springfield and includes portions of the Mackenzie and Willamette Rivers as well as several sloughs, and intermittent, and perennial streams.

This report presents the project methodology, wetland assessment results, and determines Locally Significant Wetlands in the City of Springfield. Appendix A includes the wetland assessment answers and results, and Appendix B includes the significant wetland determination forms.

2.0 METHODOLOGY

2.1 Office Assessment

PHS reviewed all available information for the approximately 586 acres of wetlands identified by the previously conducted LWI. This review included the wetland summary and data sheets for each wetland (when documented), the LWI report, and digital aerial photographs. In addition, we also obtained information needed to accurately complete OFWAM, such as the FEMA 100-year floodplain maps, local zoning maps, Oregon Department of Fish and Wildlife (ODFW) stream survey information, and the Oregon Natural Heritage Database for the project area.

Following the review of available information, PHS field verified many of the wetlands visible from public roads or access points to confirm Cowardin classification, wetland vegetation communities, hydrology, adjacent land-uses, and overall wetland characteristics. Based on the field verification and review of digital aerial photographs the wetland coding system was modified to reflect refined wetland assessment units. All units were kept the same except for M-02, M-16, M-33, W-01, W-03, and W-04. These six codes were separated out into at least two difference units by using a code modifier (e.g. M-02a, W-03b). In addition, W-06 and W-07 were combined and given a new code (W-19).

The quality of wetlands in the study area was assessed using the *Oregon Freshwater Wetland Assessment Methodology* (OFWAM) (Roth et al. 1996). The above information was used to answer the questions contained in OFWAM. In addition, PHS determined Locally Significant Wetlands based on the OFWAM results and DSL's Administrative Rules for determining Significant Wetlands.

2.2 The *Oregon Freshwater Wetland Assessment Methodology*

OFWAM was developed by an interagency committee to assess the relative quality of wetlands primarily for planning and educational purposes. OFWAM provides an assessment of six wetland functions and three wetland conditions. Copies of the methodology are available from DSL for a fee. OFWAM does not assign a numeric ranking to the wetlands, but does determine the relative quality of six functions and three conditions for each of the wetlands. A description of each of the functions and conditions is included below.

Wetland Functions

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

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

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

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

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

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

Wetland Conditions

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

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

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

The first step in conducting the methodology is to determine whether the wetland is of special interest for protection. Ten questions are answered for each wetland and a "yes" answer to any of the questions puts the wetland into the "special interest for protection" category. The second step is to complete the wetland characterization section of the methodology based in part on data collected in the field and through an analysis interpretation.

Prior to starting the OFWAM assessment, certain criteria or baseline information was established. The following is a list of the criteria used in answering the questions:

The Oregon Department of Environmental Quality has mapped the Middle Fork of the Willamette River and the McKenzie River as water quality limited due to summer temperatures (ODEQ, 1996). This information was used in the following questions in OFWAM: Wildlife, question 7; Fish Habitat, question 4; Water Quality, question 6; and Sensitivity to Future Impacts, question 3.

Oregon Department of Fish and Wildlife (ODFW) has inventoried anadromous fish (e.g. coho, chinook, steelhead) in the Middle Fork of the Willamette River and the McKenzie River. Other species of concern, such as the Oregon chub, may be present in the Jasper Slough (ODFW, pers. comm.). This information was used in Fish Habitat, question 6.

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

Data collected for each wetland for the previously mapped LWI, were used to answer questions for each function and condition. Additional information on the wetlands, the landscape and the general area were gathered in the office. Finally, the questions for each function and condition were answered and entered into the computer. A summary sheet explaining the results for each of the functions and conditions was then produced for each wetland.

3.0 *OREGON FRESHWATER ASSESSMENT METHODOLOGY* RESULTS

3.1 Wetland Quality Assessment

Sixty-nine (69) wetland units were assessed. It should be noted that although 72 wetlands were listed in the LWI, wetlands M-09 and M-13 were not mapped on the LWI; and wetlands M-15 and M-22 are no longer present, due to new developments.

The following summarizes the results of the assessment.

Seven percent (7%) of the assessed wetlands provided diverse wildlife habitat and the other 93% provided wildlife habitat for some species. Thirty-three percent (33%) of the assessed wetlands had either impacted or degraded fish habitat function due to lack of shade or channel modifications. The remaining 67% were not assessed for fish habitat function since they were not connected to a stream, river, pond, or lake. These are indicated by an "n/a" in the fish habitat column of Table 1.

The water quality function was assessed as intact in 14% of the wetlands, impacted or degraded in 80% of the wetlands, and lost or not present in the remaining 6%. The low water quality function is generally due to a lack of floodplain wetlands with good vegetative cover within the Urban Growth Boundary of Springfield.

Hydrologic control was generally assessed as impacted or degraded in 70% of the wetlands due to unrestricted outflow and a dominance of emergent vegetation. Twenty-three percent (23%) were assessed as intact due to landscape position and downstream development. The remaining 7% of the wetlands were assessed with hydrologic control function either lost or not present.

Eighty-seven percent (87%) of the assessed wetlands were considered to be potentially sensitive to future impacts due to existing or zoned development on adjacent lands; seven percent (7%) were considered to be sensitive to future impacts; and the remaining 6% were not present and therefore not assessed.

Wetlands were given a low or medium rating for educational and recreational opportunities in a majority of the assessed wetlands due to their location on private lands, lack of public access or developed paths, and safety concerns associated with public access and physically-challenged access. Only 1% of the assessed wetlands had educational uses, and 7% provided recreational opportunities.

Aesthetic quality of the wetlands varied according to presence of major roads and noisy traffic, adjacent development, and number of Cowardin classes in the wetland. Nineteen percent (19%) were considered to be pleasing; 12% moderately pleasing; and 69% not aesthetically pleasing.

Although OFWAM provides qualitative information on the relative value of wetlands and does not have a numerical ranking, numbers were assigned to the assessment criteria to easily compare the results. A number 1 was assigned to wetlands receiving the highest function or condition result (e.g. intact, diverse), a number 3 was assigned to the wetlands receiving the lowest result (lost or not present, not appropriate), and a number 2 was assigned to the results which do not fit the other criteria (potential, impacted or degraded). This system is summarized in Table 1.

Table 1. Key to the Oregon Freshwater Wetland Assessment Methodology Numerical Ranking

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

Table 2 (pages 7-9) shows the results of the quality assessment conducted on all of the wetlands identified in the previously mapped inventory. Some functions or conditions were not applicable to certain wetlands. For instance, the methodology states that if a wetland receives an assessment of "diverse wildlife habitat" then the enhancement potential assessment is not applicable. In addition, if there was no likelihood of fish habitat in the wetland, the fish habitat assessment was not completed.

Appendix A contains all of the results for each of the 69 wetlands assessed by the methodology along with summary sheets of the functions and conditions assessed by the methodology and the rationale for the results.

3.2 Wetlands of Special Interest for Protection

Each of the wetlands were assessed according to the ten questions in this section of OFWAM. These questions are regarding the presence of Federal or State listed threatened, endangered or sensitive species, existing management plans, conservation plans, protected mitigation areas, critical habitat, wetland reserve areas and the presence of uncommon wetland plant communities in Oregon.

One of the ten questions were answered "yes" in four of the 69 assessed wetlands. Question 1, regarding the presence of threatened, endangered or sensitive species of wildlife, plants, invertebrates or fish, was answered "yes" for wetlands M-04 and M-29, due to the presence of Bradshaw's lomatium (*Lomatium bradshawii*), a State and Federally listed Endangered species; and "yes" for wetland W-02, due to the presence of white-topped aster (*Aster curtus*), a State listed Threatened species, and a Federally listed Species of Concern. Question 8, regarding *protected* mitigation sites, was answered "yes" for wetland M-28, which is a U.S. Army Corps of Engineers (COE) mitigation site. Therefore, these four wetlands in the study area qualify as "wetlands of special interest for protection."

4.0 SIGNIFICANT WETLANDS DETERMINATION

4.1 Goal 5 Locally Significant Wetlands Criteria

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

Local jurisdictions determining significant wetlands must use the criteria recently adopted by the Oregon Division of State Lands (ORS 197.279(3)(b)). This criteria identifies *Locally Significant Wetlands.* The significance criteria is divided into three sections, as shown in Table 3 (page10).

Table 2. Oregon Freshwater Wetland Assessment Methodology Numerical Ranking Results for the Springfield Local Wetlands Inventory

Wetland Code	Wildlife Habitat	Fish Habitat	Water Quality	Hydrologic Control	Sensitivity to Impact	Enhancement Potential	Education	Recreation	Aesthetic Quality	Size (acres)
M-01	2	2	2	2	2	1	3	3	3	4.94
M-02a	2	n/a	2	2	2	2	3	3	3	0.15
M-02b	2	2	2	1	2	2	3	3	3	10.00
M-02c	2	2	2	1	2	2	3	3	3	7.50
M-03	2	n/a	2	2	2	1	3	3	2	2.70
M-04	2	n/a	2	2	2	1	3	3	3	5.02
M-05	1	n/a	2	1	2	n/a	3	3	1	9.00
M-06	2	n/a	2	2	2	1	3	3	3	4.10
M-07	2	n/a	2	2	2	2	3	3	3	0.20
M-08	2	n/a	2	3	1	3	2	2	3	0.21
M-09	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
M-10	2	n/a	2	2	2	1	3	3	3	2.72
M-11	2	n/a	2	2	2	2	3	3	3	1.01
M-12	2	2	2	2	2	1	3	3	3	1.22
M-13	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
M-14	1	n/a	2	2	2	n/a	3	3	1	33.45
M-15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
M-16a	2	2	1	1	2	1	3	3	3	1.30
M-16b	2	2	2	1	2	1	3	3	3	5.60
M-16c	2	2	2	1	2	1	3	3	2	5.76
M-16d	2	n/a	2	2	2	2	3	3	2	0.30
M-16e	2	n/a	2	2	2	1	3	3	3	1.00
M-17	2	n/a	2	2	2	1	3	3	3	3.15
M-18	1	2	2	2	2	n/a	3	3	3	40.72
M-19	2	n/a	2	2	2	2	3	3	3	0.37
M-20	1	n/a	1	2	2	n/a	3	3	1	0.52
M-21	2	n/a	2	2	2	2	3	3	3	0.39
M-22	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
M-23	2	n/a	2	2	2	2	3	3	3	0.19
M-24	2	n/a	2	2	2	2	3	3	3	0.51

Table 2, continued

Wetland Code	Wildlife Habitat	Fish Habitat	Water Quality	Hydrologic Control	Sensitivity to Impact	Enhancement Potential	Education	Recreation	Aesthetic Quality	Size (acres)
M-25	2	2	1	1	2	1	2	2	3	24.00
M-26	1	n/a	2	2	2	n/a	1	1	1	1.85
M-27	2	2	2	1	2	1	2	1	3	8.28
M-28	2	2	2	2	2	2	3	3	3	1.51
M-29	2	n/a	2	2	2	1	3	3	2	1.08
M-30	2	n/a	1	2	2	2	3	2	1	6.49
M-31	2	n/a	2	1	2	2	3	3	3	8.06
M-32	2	n/a	2	2	2	1	2	3	3	3.39
M-33a	2	2	2	1	2	1	3	3	3	3.39
M-33b	2	n/a	2	1	2	2	3	3	3	116.17
M-34	2	n/a	2	2	2	2	3	3	3	0.08
M-35	2	n/a	2	2	2	1	3	3	1	4.91
M-36	2	n/a	2	2	2	1	3	3	1	0.75
M-37	2	n/a	3	2	2	2	3	3	3	0.40
M-38	2	n/a	2	2	2	2	3	3	1	0.08
M-39	2	n/a	2	2	2	1	3	3	3	1.90
M-40	2	2	2	2	1	1	3	2	1	16.51
W-01a	2	2	1	2	2	1	3	3	3	9.00
W-01b	2	n/a	2	2	2	2	3	2	3	0.60
W-02	2	n/a	2	2	2	2	3	3	3	0.90
W-03a	2	2	1	2	2	1	3	2	3	15.30
W-03b	2	n/a	2	2	1	1	3	3	3	1.17
W-04a	2	2	1	2	2	1	2	2	1	0.67
W-04b	2	n/a	2	3	2	1	2	2	1	0.30
W-05	2	2	2	2	2	1	2	1	2	5.70
W-08	2	n/a	2	1	1	2	3	3	3	1.22
W-09	2	n/a	2	2	2	2	3	3	1	0.22
W-10	2	2	2	2	2	1	3	3	3	1.29
W-11	2	n/a	2	2	2	1	2	2	2	0.67
W-12	2	2	1	1	2	1	2	2	3	1.42
W-13	2	2	2	2	2	1	2	1	2	2.24
W-14	2	n/a	2	2	2	1	3	3	3	0.97

Table 2, continued

Wetland Code	Wildlife Habitat	Fish Habitat	Water Quality	Hydrologic Control	Sensitivity to Impact	Enhancement Potential	Education	Recreation	Aesthetic Quality	Size (acres)
W-15	2	n/a	2	2	1	2	2	2	2	0.79
W-16	2	2	1	1	2	1	3	1	3	1.46
W-17	2	2	1	2	2	1	3	3	3	8.35
W-18a	2	n/a	1	1	2	1	3	3	1	128.80
W-18b	2	n/a	2	2	2	2	3	3	3	1.90
W-18c	2	n/a	2	2	2	2	3	3	3	1.30
W-19	2	2	2	1	2	1	3	3	3	41.65

Table 3. Criteria for Determining Goal 5 Locally Significant Wetlands

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

4.2 Applying Significant Wetland Criteria to the LWI Study Area

4.2.1 Goal 5 Significant Wetlands

The Locally Significant Wetlands criteria were applied to all 69 wetlands. Of these wetlands, 23 satisfied the criteria for Locally Significant Wetlands. These wetlands are shown in Table 4. In addition, 3 of the Locally Significant Wetlands also met the "wetland of special interest for protection" criteria in OFWAM. The results of applying the criteria are included in Appendix B.

Table 4. Locally Significant Wetlands and Wetlands of Special Interest for Protection in the Springfield LWI

CODE	RATIONALE
Locally Significant Wetlands	
M-04	Wetland inhabited by a species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered.
M-05	Provides diverse wildlife habitat and hydrologic control function is intact
M-14	Provides diverse wildlife habitat
M-16a	Water quality and hydrologic functions are intact
M-16b	Hydrologic control function is intact
M-16c	Hydrologic control function is intact
M-20	Provides diverse wildlife habitat and water quality is intact
M-25	Water quality and hydrologic functions are intact
M-26	Provides diverse wildlife habitat
M-27	Hydrologic control function is intact
M-29	Wetland inhabited by a species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered.
M-30	Water quality function is intact
M-33a	Hydrologic control functin is intact
W-01a	Water quality function is intact
W-02	Wetland inhabited by a species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered.
W-03a	Water quality function is intact
W-04a	Water quality function is intact
W-12	Water quality function is intact
W-16	Water quality and hydrologic functions are intact
W-17	Water quality function is intact
W-18a	Water quality and hydrologic functions are intact
W-19	Hydrologic control function is intact

Table 4, continued

Special Interest for Protection	
M-04	Wetland inhabited by a species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered.
M-28	Mitigation site
M-29	Wetland inhabited by a species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered.
W-02	Wetland inhabited by a species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered.

Some of the wetlands met the criteria for significance because of diverse wildlife habitat, the presence of a plant species that is federally listed as threatened or endangered, or state listed as sensitive, threatened, or endangered. Others met the criteria for water quality or hydrologic function because of hydrologic connection to other wetlands or waters of the state, adjacent or downstream development, or a high degree of wetland vegetation cover. Although other wetlands within the study area are relatively valuable for some functions, they do not satisfy the significant wetlands criteria.

5.0 PROJECT SUMMARY

- Pacific Habitat Services, Inc. was hired to conduct function and condition assessments on previously mapped wetlands within the City of Springfield's Local Wetlands Inventory (LWI) study area. The wetland assessments were conducted using the *Oregon Freshwater Wetland Assessment Methodology* (OFWAM) (Roth et.al., 1996).

- The study area, which consists of approximately 586 acres of wetlands identified by the previously conducted LWI, included portions of the Middle Fork of the Willamette River and the McKenzie River.

- Locally Significant Wetlands were identified based on Oregon Administrative Rules.

- Twenty-three of the 69 assessed wetlands were considered to be Locally Significant Wetlands. In addition, four of the 69 wetlands met the criteria for "wetlands of special interest for protection."

6.0 REFERENCES

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Appendix A
OFWAM Data Sheets

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-01**
Project Location:	Lane County	**Wetland Type(s):**	RLP
Date:	7/6/99	**Approx. Area (acres):**	4.94
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	North of 66th St.		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	B	Q-2	C	Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3	C	Q-3	C	Q-3	B	Q-3	C
Q-4	A	Q-4	A	Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5	B	Q-5	B	Q-5	B	Q-5	A
Q-6	A	Q-6	A	Q-6	C	Q-6	B	Q-6	B
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	A
Q-5B	A	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-01**
Location:	Lane County	**Approx. Area (acres):**	4.94
Date:	7/6/99	**Wetland Types(s):**	RLP

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land use is primarily agriculture
	Greater than 1 acre of open water	Wetland buffer is greater than 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	No adjacent Water Quality Limited streams
	Stream banks are extensively modified	Adjacent land use is primarily agriculture
	<10% of stream has instream structures	Salmon and/or trout present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by natural areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-02a**
Project Location:	Lane County	**Wetland Type(s):**	PEM
Date:	7/6/99	**Approx. Area (acres):**	0.15
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Weyerhaeuser property		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4	B	Q-4	B	Q-4	C
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-02b**
Location:	Lane County	**Approx. Area (acres):**	10.00
Date:	7/6/99	**Wetland Types(s):**	PEM, POW

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Greater than 1 acre of open water	Wetland buffer is less than 10%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	25-50% of stream is shaded	No adjacent Water Quality Limited streams
	Stream banks are extensively modified	Adjacent land is mostly developed
	<10% of stream has instream structures	Stream does not contain fish
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Flow out of wetland is restricted	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by development
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-02c**
Project Location:	Lane County	**Wetland Type(s):**	POW

Date:	7/6/99	**Approx. Area (acres):**	7.50
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Weyerhaeuser property		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1	B	Q-1	B	Q-1	B	Q-1	A
Q-2	B	Q-2	C	Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3	C	Q-3	C	Q-3	A	Q-3	C
Q-4	A	Q-4	A	Q-4	A	Q-4	A	Q-4	A
Q-5	B	Q-5	C	Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6	C	Q-6	C	Q-6	A	Q-6	B
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	A	Q-4	B	Q-4	B	Q-4	C
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-02c**
Location:	Lane County	**Approx. Area (acres):**	7.50
Date:	7/6/99	**Wetland Types(s):**	POW

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Greater than 1 acre of open water	Wetland buffer is less than 10%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	25-50% of stream is shaded	No adjacent Water Quality Limited streams
	Stream banks are extensively modified	Adjacent land is mostly developed
	<10% of stream has instream structures	Stream does not contain fish
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Flow out of wetland is restricted	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by development
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-03**
Project Location:	Lane County	**Wetland Type(s):**	PEM,PFO
Date:	7/6/99	**Approx. Area (acres):**	2.70
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	North of Potato Hill		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	**A**	Q-1		Q-1	**C**	Q-1	**B**	Q-1	**A**
Q-2	**C**	Q-2		Q-2	**A**	Q-2	**A**	Q-2	**A**
Q-3	**C**	Q-3		Q-3	**A**	Q-3	**B**	Q-3	**C**
Q-4	**C**	Q-4		Q-4	**B**	Q-4	**C**	Q-4	**C**
Q-5	**C**	Q-5		Q-5	**C**	Q-5	**C**	Q-5	**A**
Q-6	**A**	Q-6		Q-6	**C**	Q-6	**C**	Q-6	**C**
Q-7	**A**					Q-7	**A**		
Q-8	**A**								
Q-9A									
Q-9B	**A**								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	**A**	Q-1	**C**	Q-1	**C**	Q-1	**B**
Q-2	**B**	Q-2	**B**	Q-2	**C**	Q-2	**C**
Q-3	**A**	Q-3	**B**	Q-3	**C**	Q-3	**A**
Q-4	**B**	Q-4	**B**	Q-4	**B**	Q-4	**B**
Q-5B	**A**	Q-5	**C**	Q-5	**B**	Q-5	**B**
Q-6	**B**	Q-6	**B**	Q-6	**B**	Q-6	**A**

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-03**
Location:	Lane County	**Approx. Area (acres):**	2.70
Date:	7/6/99	**Wetland Types(s):**	PEM,PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is primarily open space
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Open space downslope of development
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-04**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	5.02
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Abandoned drive-in theater site		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	A	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	A	Q-3	C
Q-4	C	Q-4		Q-4	A	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	A		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	B
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-04**
Location:	Lane County	**Approx. Area (acres):**	5.02
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Wetland is more than 5 acres in size
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is surface flow	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-05**
Project Location:	Lane County	**Wetland Type(s):**	PEM, PFO, PSS

Date:	7/6/99	**Approx. Area (acres):**	9.00
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Ash swale at foot of Potato Hill		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1		Q-1	C	Q-1	B	Q-1	A
Q-2	A	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	B	Q-3		Q-3	A	Q-3	A	Q-3	C
Q-4	C	Q-4		Q-4	A	Q-4	C	Q-4	C
Q-5	B	Q-5		Q-5	C	Q-5	A	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	C	Q-6	A
Q-7	A					Q-7	A		
Q-8	A								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides diverse wildlife habitat
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1		Q-1	C	Q-1	C	Q-1	A
Q-2		Q-2	B	Q-2	C	Q-2	C
Q-3		Q-3	A	Q-3	C	Q-3	A
Q-4		Q-4	B	Q-4	A	Q-4	B
Q-5B		Q-5	C	Q-5	B	Q-5	B
Q-6		Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Due to diverse wildlife habitat, this wetland cannot be enhanced
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-05**
Location:	Lane County	**Approx. Area (acres):**	9.00
Date:	7/6/99	**Wetland Types(s):**	PEM, PFO, PSS

Result:	**Wetland provides diverse wildlife habitat**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Dominated by woody vegetation	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land is primarily open space
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is not within 100 year floodplain	Dominated by woody vegetation
	Wetland floods/ponds in growing season	Open space downslope of development
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Dominated by woody vegetation
Result:	**Due to diverse wildlife habitat, this wetland cannot be enhanced**	
Rationale:		
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides diverse wildlife habitat
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	More than two Cowardin classes are visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Traffic noise and no natural noises

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-06**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	4.10
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Dessler site		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	A		
Q-8	B								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-06**
Location:	Lane County	**Approx. Area (acres):**	4.10
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-07**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	0.20
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	East of Baldy View Lane		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	A		
Q-8	B								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-07**
Location:	Lane County	**Approx. Area (acres):**	0.20
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is precipitation	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-08**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	0.21
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	West of South 5th St., North of Daisy		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	C	Q-3	A
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	C
Q-5	B	Q-5		Q-5	C	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	A	Q-6	C	Q-6	C
Q-7	A					Q-7	A		
Q-8	A								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control function is lost or not present
Sensitivity to Impact	Wetland is sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1	A	Q-1	B	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	A	Q-5	B	Q-5	B	Q-5	B
Q-6	C	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has little enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland has the potential to provide recreational activities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-08**
Location:	Lane County	**Approx. Area (acres):**	0.21
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is primarily open space
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control function is lost or not present**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Open space downslope of development
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has little enhancement potential**	
Rationale:	One or more functions lost/not present	Wetland is less than 0.5 acres
	Primary water source is precipitation	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Wetland is sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland is open to the public	Unmaintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland has the potential to provide recreational activities**	
Rationale:	Unmaintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-09**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	0.00
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Wetland not mapped on LWI and no LWI data documented		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1		Q-1		Q-1		Q-1		Q-1	
Q-2		Q-2		Q-2		Q-2		Q-2	
Q-3		Q-3		Q-3		Q-3		Q-3	
Q-4		Q-4		Q-4		Q-4		Q-4	
Q-5		Q-5		Q-5		Q-5		Q-5	
Q-6		Q-6		Q-6		Q-6		Q-6	
Q-7						Q-7			
Q-8									
Q-9A									
Q-9B									

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1		Q-1		Q-1		Q-1	
Q-2		Q-2		Q-2		Q-2	
Q-3		Q-3		Q-3		Q-3	
Q-4		Q-4		Q-4		Q-4	
Q-5B		Q-5		Q-5		Q-5	
Q-6		Q-6		Q-6		Q-6	

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland has potential for educational use
Recreation	Wetland has the potential to provide recreational activities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-10**
Project Location:	Lane County	**Wetland Type(s):**	RIN

Date:	7/6/99	**Approx. Area (acres):**	2.72
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	South of Main, East of 73rd St.		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	B	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3		Q-3	C	Q-3	B	Q-3	C
Q-4	A	Q-4		Q-4	B	Q-4	C	Q-4	C
Q-5	B	Q-5		Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	C	Q-6	B
Q-7	A					Q-7	A		
Q-8	A								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	A	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-10**
Location:	Lane County	**Approx. Area (acres):**	2.72
Date:	7/6/99	**Wetland Types(s):**	RIN

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is primarily open space
	Greater than 1 acre of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is primarily open space
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Open space downslope of development
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet



Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-11**
Project Location:	Lane County	**Wetland Type(s):**	POW

Date:	7/6/99	**Approx. Area (acres):**	1.01
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	South of Hayden Bridge Rd. (fenced detention ponds)		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	B	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3		Q-3	C	Q-3	B	Q-3	C
Q-4	A	Q-4		Q-4	B	Q-4	A	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	B	Q-5	C
Q-6	B	Q-6		Q-6	C	Q-6	C	Q-6	B
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	B
Q-3	C	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	A	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-11**
Location:	Lane County	**Approx. Area (acres):**	1.01
Date:	7/6/99	**Wetland Types(s):**	POW

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Greater than 1 acre of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Open space downslope of development
	Flow out of wetland is restricted	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is mostly open space
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-12**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	1.22
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	South of Thurston Rd. adjacent to 7st St. in East Springfield		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1	C	Q-1	A	Q-1	B	Q-1	A
Q-2	B	Q-2	C	Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3	C	Q-3	A	Q-3	B	Q-3	C
Q-4	A	Q-4	A	Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5	B	Q-5	B	Q-5	B	Q-5	A
Q-6	A	Q-6	B	Q-6	C	Q-6	B	Q-6	B
Q-7	A					Q-7	A		
Q-8	B								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	B	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	A	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-12**
Location:	Lane County	**Approx. Area (acres):**	1.22
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land use is primarily agriculture
	Greater than 1 acre of open water	Wetland buffer is greater than 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	No adjacent Water Quality Limited streams
	Stream banks are extensively modified	Adjacent land use is primarily agriculture
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-13**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	0.00
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Wetland not mapped on LWI		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1		Q-1		Q-1		Q-1		Q-1	
Q-2		Q-2		Q-2		Q-2		Q-2	
Q-3		Q-3		Q-3		Q-3		Q-3	
Q-4		Q-4		Q-4		Q-4		Q-4	
Q-5		Q-5		Q-5		Q-5		Q-5	
Q-6		Q-6		Q-6		Q-6		Q-6	
Q-7						Q-7			
Q-8									
Q-9A									
Q-9B									

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is not sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1		Q-1		Q-1		Q-1	
Q-2		Q-2		Q-2		Q-2	
Q-3		Q-3		Q-3		Q-3	
Q-4		Q-4		Q-4		Q-4	
Q-5B		Q-5		Q-5		Q-5	
Q-6		Q-6		Q-6		Q-6	

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-14**
Project Location:	Lane County	**Wetland Type(s):**	PEM, PFO

Date:	7/6/99	**Approx. Area (acres):**	33.45
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	South of Thurston Rd. North of Main St., East of 71st St.		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1		Q-1	C	Q-1	B	Q-1	A
Q-2	B	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	B	Q-3		Q-3	B	Q-3	A	Q-3	C
Q-4	A	Q-4		Q-4	A	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	B	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	B	Q-6	B
Q-7	A					Q-7	A		
Q-8	B								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides diverse wildlife habitat
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1		Q-1	C	Q-1	C	Q-1	A
Q-2		Q-2	B	Q-2	C	Q-2	C
Q-3		Q-3	A	Q-3	C	Q-3	A
Q-4		Q-4	B	Q-4	A	Q-4	B
Q-5B		Q-5	C	Q-5	B	Q-5	B
Q-6		Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Due to diverse wildlife habitat, this wetland cannot be enhanced
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-14**
Location:	Lane County	**Approx. Area (acres):**	33.45
Date:	7/6/99	**Wetland Types(s):**	PEM, PFO

Result:	**Wetland provides diverse wildlife habitat**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land use is primarily agriculture
	Greater than 1 acre of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Due to diverse wildlife habitat, this wetland cannot be enhanced**	
Rationale:		
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides diverse wildlife habitat
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	More than two Cowardin classes are visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-15**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	0.59
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	S.of Yolanda adj to Watermark Developed since LWI.Mit.Site to W		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1		Q-1		Q-1		Q-1		Q-1	
Q-2		Q-2		Q-2		Q-2		Q-2	
Q-3		Q-3		Q-3		Q-3		Q-3	
Q-4		Q-4		Q-4		Q-4		Q-4	
Q-5		Q-5		Q-5		Q-5		Q-5	
Q-6		Q-6		Q-6		Q-6		Q-6	
Q-7						Q-7			
Q-8									
Q-9A									
Q-9B									

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is not sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1		Q-1		Q-1		Q-1	
Q-2		Q-2		Q-2		Q-2	
Q-3		Q-3		Q-3		Q-3	
Q-4		Q-4		Q-4		Q-4	
Q-5B		Q-5		Q-5		Q-5	
Q-6		Q-6		Q-6		Q-6	

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-16a**
Project Location:	Lane County	**Wetland Type(s):**	PFO
Date:	7/6/99	**Approx. Area (acres):**	1.30
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Irving Slough		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1	C	Q-1	A	Q-1	B	Q-1	A
Q-2	A	Q-2	B	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	C	Q-3	A	Q-3	B	Q-3	C
Q-4	C	Q-4	A	Q-4	B	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	A	Q-5	A
Q-6	A	Q-6	B	Q-6	C	Q-6	A	Q-6	A
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is intact
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-16a**
Location:	Lane County	**Approx. Area (acres):**	1.30
Date:	7/6/99	**Wetland Types(s):**	PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Dominated by woody vegetation	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	No adjacent Water Quality Limited streams
	Only portions of stream are modified	Adjacent land is mostly developed
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is intact**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is not within 100 year floodplain	Dominated by woody vegetation
	Wetland floods/ponds in growing season	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Dominated by woody vegetation
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-16b**
Project Location:	Lane County	**Wetland Type(s):**	PFO,POW

Date:	7/6/99	**Approx. Area (acres):**	5.60
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Irving Slough		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	A	Q-1	B	Q-1	A
Q-2	B	Q-2	C	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	C	Q-3	C	Q-3	A	Q-3	C
Q-4	A	Q-4	A	Q-4	A	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	B	Q-5	A
Q-6	A	Q-6	B	Q-6	C	Q-6	A	Q-6	B
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	B
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-16b**
Location:	Lane County	**Approx. Area (acres):**	5.60
Date:	7/6/99	**Wetland Types(s):**	PFO,POW

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Greater than 1 acre of open water	Wetland buffer is between 10% and 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	No adjacent Water Quality Limited streams
	Stream banks are extensively modified	Adjacent land is mostly developed
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is surface flow	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-16c**
Project Location:	Lane County	**Wetland Type(s):**	RLP

Date:	7/6/99	**Approx. Area (acres):**	5.76
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Irving Slough		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1	C	Q-1	A	Q-1	B	Q-1	A
Q-2	B	Q-2	C	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	C	Q-3	C	Q-3	A	Q-3	C
Q-4	A	Q-4	A	Q-4	A	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	B	Q-5	A
Q-6	A	Q-6	B	Q-6	C	Q-6	A	Q-6	B
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	A
Q-2	A	Q-2	B	Q-2	C	Q-2	B
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-16c**
Location:	Lane County	**Approx. Area (acres):**	5.76
Date:	7/6/99	**Wetland Types(s):**	RLP

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Greater than 1 acre of open water	Wetland buffer is between 10% and 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	No adjacent Water Quality Limited streams
	Stream banks are extensively modified	Adjacent land is mostly developed
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is surface flow	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	More than two Cowardin classes are visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-16d**
Project Location:	Lane County	**Wetland Type(s):**	POW,PSS

Date:	7/6/99	**Approx. Area (acres):**	0.30
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Irving Slough		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	B	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3		Q-3	C	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	A	Q-6	B
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	A
Q-2	C	Q-2	B	Q-2	C	Q-2	B
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-16d**
Location:	Lane County	**Approx. Area (acres):**	0.30
Date:	7/6/99	**Wetland Types(s):**	POW,PSS

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Isolated from other wetlands
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is precipitation	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	More than two Cowardin classes are visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-16e**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	1.00
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Irving Slough		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	A	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3		Q-3	C	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-16e**
Location:	Lane County	**Approx. Area (acres):**	1.00
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-17**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	3.15
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	West of abandoned drive-in		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	B	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	A		
Q-8	B								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	A
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	A	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-17**
Location:	Lane County	**Approx. Area (acres):**	3.15
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-18**
Project Location:	Lane County	**Wetland Type(s):**	POW,PSS

Date:	7/6/99	**Approx. Area (acres):**	40.72
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	North of Highbanks Road (Blue Water Boats)		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	B	Q-1	A	Q-1	A	Q-1	A
Q-2	B	Q-2	C	Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3	C	Q-3	C	Q-3	A	Q-3	C
Q-4	A	Q-4	A	Q-4	A	Q-4	C	Q-4	B
Q-5	B	Q-5	B	Q-5	B	Q-5	B	Q-5	A
Q-6	B	Q-6	C	Q-6	C	Q-6	B	Q-6	B
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides diverse wildlife habitat
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1		Q-1	C	Q-1	C	Q-1	B
Q-2		Q-2	B	Q-2	C	Q-2	C
Q-3		Q-3	A	Q-3	C	Q-3	C
Q-4		Q-4	B	Q-4	A	Q-4	B
Q-5B		Q-5	C	Q-5	B	Q-5	B
Q-6		Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Due to diverse wildlife habitat, this wetland cannot be enhanced
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-18**
Location:	Lane County	**Approx. Area (acres):**	40.72
Date:	7/6/99	**Wetland Types(s):**	POW,PSS

Result:	**Wetland provides diverse wildlife habitat**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land use is primarily agriculture
	Greater than 1 acre of open water	Wetland buffer is greater than 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	25-50% of stream is shaded	No adjacent Water Quality Limited streams
	Stream banks are extensively modified	Adjacent land use is primarily agriculture
	<10% of stream has instream structures	Stream does not contain fish
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Due to diverse wildlife habitat, this wetland cannot be enhanced**	
Rationale:		
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides diverse wildlife habitat
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet



Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	Wetland:	M-19
Project Location:	Lane County	Wetland Type(s):	PFO

Date:	7/6/99	Approx. Area (acres):	0.37
Onsite Assessment?:	No	Investigator(s):	PF,CR, JT
Wetland Location:	North of Main St. btwn. 65th Pl. and 66th St.		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	A	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	A	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	A	Q-6	A
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-19**
Location:	Lane County	**Approx. Area (acres):**	0.37
Date:	7/6/99	**Wetland Types(s):**	PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Dominated by woody vegetation	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is mostly developed
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Dominated by woody vegetation
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Dominated by woody vegetation
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

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(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-20**
Project Location:	Lane County	**Wetland Type(s):**	PFO

Date:	7/6/99	**Approx. Area (acres):**	0.52
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Maple Island Slough, end of Maple Isle Farm Rd. in N. Springf.		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1		Q-1	A	Q-1	A	Q-1	A
Q-2	B	Q-2		Q-2	A	Q-2	A	Q-2	B
Q-3	B	Q-3		Q-3	A	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	B	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	B
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides diverse wildlife habitat
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is intact
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1		Q-1	C	Q-1	C	Q-1	A
Q-2		Q-2	B	Q-2	C	Q-2	C
Q-3		Q-3	A	Q-3	C	Q-3	A
Q-4		Q-4	B	Q-4	A	Q-4	B
Q-5B		Q-5	C	Q-5	B	Q-5	B
Q-6		Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Due to diverse wildlife habitat, this wetland cannot be enhanced
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-20**
Location:	Lane County	**Approx. Area (acres):**	0.52
Date:	7/6/99	**Wetland Types(s):**	PFO

Result:	**Wetland provides diverse wildlife habitat**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is intact**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Due to diverse wildlife habitat, this wetland cannot be enhanced**	
Rationale:		
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides diverse wildlife habitat
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	More than two Cowardin classes are visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet



Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-21**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	0.39
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	East of Game Farm Rd. near Beltline East		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	A		
Q-8	B								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-21**
Location:	Lane County	**Approx. Area (acres):**	0.39
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is precipitation	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-22**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	0.10
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	N. of Marcola Rd. Developed since LWI		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1		Q-1		Q-1		Q-1		Q-1	
Q-2		Q-2		Q-2		Q-2		Q-2	
Q-3		Q-3		Q-3		Q-3		Q-3	
Q-4		Q-4		Q-4		Q-4		Q-4	
Q-5		Q-5		Q-5		Q-5		Q-5	
Q-6		Q-6		Q-6		Q-6		Q-6	
Q-7						Q-7			
Q-8									
Q-9A									
Q-9B									

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is not sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1		Q-1		Q-1		Q-1	
Q-2		Q-2		Q-2		Q-2	
Q-3		Q-3		Q-3		Q-3	
Q-4		Q-4		Q-4		Q-4	
Q-5B		Q-5		Q-5		Q-5	
Q-6		Q-6		Q-6		Q-6	

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-23**
Project Location:	Lane County	**Wetland Type(s):**	PSS

Date:	7/6/99	**Approx. Area (acres):**	0.19
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	South of Olympic, West of 28th Ave. East (old airport)		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	A	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	A	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	B	Q-6	A
Q-7	A					Q-7	A		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-23**
Location:	Lane County	**Approx. Area (acres):**	0.19
Date:	7/6/99	**Wetland Types(s):**	PSS

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Dominated by woody vegetation	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Dominated by woody vegetation
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Dominated by woody vegetation
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet



Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-24**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	0.51
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	East of Pioneer Pkwy. at 'S' St., near 5th St.		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	B	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	B
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-24**
Location:	Lane County	**Approx. Area (acres):**	0.51
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is mostly developed
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-25**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	24.00
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Q St. ditch, also called 'Q St. floodway'		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	C	Q-2	C	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	C	Q-3	A	Q-3	A	Q-3	C
Q-4	C	Q-4	A	Q-4	A	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	C	Q-5	A
Q-6	A	Q-6	B	Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is intact
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	A	Q-1	B	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	B	Q-3	C
Q-4	A	Q-4	A	Q-4	B	Q-4	B
Q-5B	A	Q-5	B	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland has the potential to provide recreational activities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-25**
Location:	Lane County	**Approx. Area (acres):**	24.00
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	No adjacent Water Quality Limited streams
	Stream banks are extensively modified	Adjacent land is mostly developed
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is intact**	
Rationale:	Primary water source is surface flow	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is surface flow	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland is open to the public	Unmaintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland has the potential to provide recreational activities**	
Rationale:	Unmaintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Unmaintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-26**
Project Location:	Lane County	**Wetland Type(s):**	PSS,PFO

Date:	7/6/99	**Approx. Area (acres):**	1.85
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Hartman St. off of Harlow. Ash forest in Guy Lee Park		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	**A**	Q-1		Q-1	**B**	Q-1	**A**	Q-1	**A**
Q-2	**A**	Q-2		Q-2	**B**	Q-2	**B**	Q-2	**B**
Q-3	**B**	Q-3		Q-3	**A**	Q-3	**B**	Q-3	**C**
Q-4	**C**	Q-4		Q-4	**B**	Q-4	**C**	Q-4	**C**
Q-5	**A**	Q-5		Q-5	**C**	Q-5	**A**	Q-5	**C**
Q-6	**A**	Q-6		Q-6	**C**	Q-6	**C**	Q-6	**A**
Q-7	**A**					Q-7	**A**		
Q-8	**A**								
Q-9A									
Q-9B	**B**								

Results:

Wildlife Habitat	Wetland provides diverse wildlife habitat
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1		Q-1	**A**	Q-1	**A**	Q-1	**B**
Q-2		Q-2	**A**	Q-2	**C**	Q-2	**A**
Q-3		Q-3	**A**	Q-3	**A**	Q-3	**A**
Q-4		Q-4	**A**	Q-4	**A**	Q-4	**B**
Q-5B		Q-5	**A**	Q-5	**B**	Q-5	**A**
Q-6		Q-6	**A**	Q-6	**B**	Q-6	**A**

Results:

Enhancement Potential	Due to diverse wildlife habitat, this wetland cannot be enhanced
Education	Wetland has educational uses
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-26**
Location:	Lane County	**Approx. Area (acres):**	1.85
Date:	7/6/99	**Wetland Types(s):**	PSS,PFO

Result:	**Wetland provides diverse wildlife habitat**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Dominated by woody vegetation	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is primarily open space
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Dominated by woody vegetation
	Can't determine if wetland floods or ponds	Open space downslope of development
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water not taken out	Adjacent zoning is mostly open space
	No adjacent Water Quality Limited streams	Dominated by woody vegetation
Result:	**Due to diverse wildlife habitat, this wetland cannot be enhanced**	
Rationale:		
Result:	**Wetland has educational uses**	
Rationale:	Wetland is open to the public	Maintained public access within 250 feet
	No visible hazards to public	Wetland is limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland provides recreational opportunities**	
Rationale:	Maintained public access within 250 feet	Wetland provides diverse wildlife habitat
	No boat launching can be developed	No fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-27**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	8.28
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	"Mc Kay site"		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	B	Q-2	C	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	C	Q-3	C	Q-3	A	Q-3	C
Q-4	C	Q-4	A	Q-4	A	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	B	Q-5	A
Q-6	A	Q-6	B	Q-6	C	Q-6	A	Q-6	B
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	A	Q-1	A	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	A	Q-3	C
Q-4	A	Q-4	A	Q-4	B	Q-4	B
Q-5B	B	Q-5	A	Q-5	A	Q-5	B
Q-6	B	Q-6	A	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology

Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-27**
Location:	Lane County	**Approx. Area (acres):**	8.28
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	No adjacent Water Quality Limited streams
	Stream banks are extensively modified	Adjacent land is mostly developed
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is surface flow	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland is open to the public	Maintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland provides recreational opportunities**	
Rationale:	Maintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	Fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-28**
Project Location:	Lane County	**Wetland Type(s):**	PEM, POW

Date:	7/6/99	**Approx. Area (acres):**	1.51
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	ACOE Gateway Mall ditch 'mitigation site' E. of I-5, W. of parking lot		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1	C	Q-1	A	Q-1	B	Q-1	A
Q-2	B	Q-2	C	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	C	Q-3	C	Q-3	B	Q-3	C
Q-4	A	Q-4	A	Q-4	B	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	B	Q-5	A
Q-6	A	Q-6	B	Q-6	C	Q-6	A	Q-6	B
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	A
Q-3	C	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	C	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	C	Q-5	B
Q-6	B	Q-6	B	Q-6	A	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-28**
Location:	Lane County	**Approx. Area (acres):**	1.51
Date:	7/6/99	**Wetland Types(s):**	PEM, POW

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Greater than 1 acre of open water	Wetland buffer is less than 10%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	No adjacent Water Quality Limited streams
	Stream banks are extensively modified	Adjacent land is mostly developed
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	No access or observation of other habitats	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	Hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-29**
Project Location:	Lane County	**Wetland Type(s):**	PEM, PFO

Date:	7/6/99	**Approx. Area (acres):**	1.08
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	North of Booth Kelly Rd. near 48th/Weyerhaeuser Rd.		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	A	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	B	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	C
Q-5	B	Q-5		Q-5	C	Q-5	A	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	C	Q-6	A
Q-7	A					Q-7	A		
Q-8	A								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	B
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-29**
Location:	Lane County	**Approx. Area (acres):**	1.08
Date:	7/6/99	**Wetland Types(s):**	PEM, PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Dominated by woody vegetation	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is primarily open space
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Dominated by woody vegetation
	Can't determine if wetland floods or ponds	Open space downslope of development
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Dominated by woody vegetation
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-30**
Project Location:	Lane County	**Wetland Type(s):**	PEM, PFO, POW

Date:	7/6/99	**Approx. Area (acres):**	6.49
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	N. of Jasper Rd.		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	B	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	B	Q-3		Q-3	A	Q-3	A	Q-3	C
Q-4	A	Q-4		Q-4	A	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	B	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	B	Q-6	B
Q-7	A					Q-7	A		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is intact
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	B	Q-1	A
Q-2	C	Q-2	B	Q-2	C	Q-2	B
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	A	Q-4	A	Q-4	B	Q-4	B
Q-5B	C	Q-5	B	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland has the potential to provide recreational activities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-30**
Location:	Lane County	**Approx. Area (acres):**	6.49
Date:	7/6/99	**Wetland Types(s):**	PEM, PFO, POW

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land use is primarily agriculture
	Greater than 1 acre of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is intact**	
Rationale:	Primary water source is precipitation	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	Unmaintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland has the potential to provide recreational activities**	
Rationale:	Unmaintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	More than two Cowardin classes are visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-31**
Project Location:	Lane County	**Wetland Type(s):**	POW

Date:	7/6/99	**Approx. Area (acres):**	8.06
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	North of Eugene-Springfield Hwy., West of 42nd St.a mill pond		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	B	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3		Q-3	C	Q-3	A	Q-3	C
Q-4	A	Q-4		Q-4	A	Q-4	A	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	A	Q-6	B
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	B	Q-3	B	Q-3	C	Q-3	C
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-31**
Location:	Lane County	**Approx. Area (acres):**	8.06
Date:	7/6/99	**Wetland Types(s):**	POW

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Greater than 1 acre of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Flow out of wetland is restricted	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Flow is restricted, but can be restored	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-32**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	3.39
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Large rye grass field, W. of North 31st. St. (Pierce Site)		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	A	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3		Q-3	C	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	B
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	A		
Q-8	B								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	A	Q-1	C	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-32**
Location:	Lane County	**Approx. Area (acres):**	3.39
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily agriculture
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland is open to the public	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-33a**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	3.39
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	East of Pacific Hwy. South of Ellingson		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	B	Q-2	B	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	C	Q-3	B	Q-3	A	Q-3	C
Q-4	A	Q-4	A	Q-4	A	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	B	Q-5	A
Q-6	A	Q-6	B	Q-6	C	Q-6	A	Q-6	B
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	A
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-33a**
Location:	Lane County	**Approx. Area (acres):**	3.39
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Greater than 1 acre of open water	Wetland buffer is less than 10%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	No adjacent Water Quality Limited streams
	Only portions of stream are modified	Adjacent land is mostly developed
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is surface flow	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	More than two Cowardin classes are visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-33b**
Project Location:	Lane County	**Wetland Type(s):**	POW

Date:	7/6/99	**Approx. Area (acres):**	116.17
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	North of Weyerhaeuser, South of Hwy 126, 'Mc Kenzie Slough'		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	B	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3		Q-3	C	Q-3	A	Q-3	C
Q-4	A	Q-4		Q-4	A	Q-4	A	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	A	Q-6	B
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	B	Q-3	B	Q-3	C	Q-3	C
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-33b**
Location:	Lane County	**Approx. Area (acres):**	116.17
Date:	7/6/99	**Wetland Types(s):**	POW

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Greater than 1 acre of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Flow out of wetland is restricted	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Flow is restricted, but can be restored	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-34**
Project Location:	Lane County	**Wetland Type(s):**	PFO

Date:	7/6/99	**Approx. Area (acres):**	0.08
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	NE of Booth Kelly Rd.		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	A	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	A	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	A	Q-6	A
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-34**
Location:	Lane County	**Approx. Area (acres):**	0.08
Date:	7/6/99	**Wetland Types(s):**	PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Dominated by woody vegetation	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is mostly developed
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Dominated by woody vegetation
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Dominated by woody vegetation
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-35**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	4.91
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Foot of Potato Hill		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	**B**	Q-1		Q-1	**B**	Q-1	**B**	Q-1	**B**
Q-2	**B**	Q-2		Q-2	**B**	Q-2	**B**	Q-2	**B**
Q-3	**C**	Q-3		Q-3	**A**	Q-3	**B**	Q-3	**C**
Q-4	**C**	Q-4		Q-4	**B**	Q-4	**C**	Q-4	**C**
Q-5	**B**	Q-5		Q-5	**C**	Q-5	**B**	Q-5	**A**
Q-6	**A**	Q-6		Q-6	**C**	Q-6	**C**	Q-6	**B**
Q-7	**A**					Q-7	**A**		
Q-8	**A**								
Q-9A									
Q-9B	**A**								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	**A**	Q-1	**C**	Q-1	**C**	Q-1	**A**
Q-2	**C**	Q-2	**B**	Q-2	**C**	Q-2	**C**
Q-3	**A**	Q-3	**B**	Q-3	**C**	Q-3	**A**
Q-4	**B**	Q-4	**B**	Q-4	**B**	Q-4	**B**
Q-5B	**A**	Q-5	**C**	Q-5	**B**	Q-5	**B**
Q-6	**B**	Q-6	**B**	Q-6	**B**	Q-6	**A**

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-35**
Location:	Lane County	**Approx. Area (acres):**	4.91
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is primarily open space
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Can't determine if wetland floods or ponds	Open space downslope of development
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land is primarily open space
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is precipitation	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	More than two Cowardin classes are visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-36**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	0.75
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Foot of Potato Hill		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	B	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	B	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	B	Q-6	B
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	A
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	A	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-36**
Location:	Lane County	**Approx. Area (acres):**	0.75
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is mostly developed
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	More than two Cowardin classes are visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	M-37
Project Location:	Lane County	**Wetland Type(s):**	RIN
Date:	7/6/99	**Approx. Area (acres):**	0.40
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	East side of Potato Hill		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	B	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3		Q-3	C	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	C
Q-5	B	Q-5		Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	C	Q-6	B
Q-7	A					Q-7	A		
Q-8	A								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is lost or not present
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	B
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	A	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	A	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-37**
Location:	Lane County	**Approx. Area (acres):**	0.40
Date:	7/6/99	**Wetland Types(s):**	RIN

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is lost or not present**	
Rationale:	Primary water source is precipitation	Isolated from other wetlands
	Wetland floods/ponds in growing season	Adjacent land is primarily open space
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Open space downslope of development
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is precipitation	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-38**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	0.08
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Foot of Potato Hill		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	B	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	C
Q-5	B	Q-5		Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	C	Q-6	B
Q-7	A					Q-7	A		
Q-8	A								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	A
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	A	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-38**
Location:	Lane County	**Approx. Area (acres):**	0.08
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is primarily open space
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Can't determine if wetland floods or ponds	Open space downslope of development
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is precipitation	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	More than two Cowardin classes are visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-39**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	1.90
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	no data documented for LWI N. of Main St. btwn 69th and 71st		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	B	Q-3	B	Q-3	C
Q-4	A	Q-4		Q-4	B	Q-4	A	Q-4	C
Q-5	B	Q-5		Q-5	C	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	C	Q-6	C
Q-7	A					Q-7	A		
Q-8	A								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	A	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-39**
Location:	Lane County	**Approx. Area (acres):**	1.90
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land is primarily open space
	Greater than 1 acre of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is primarily open space
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Open space downslope of development
	Flow out of wetland is restricted	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-40**
Project Location:	Lane County	**Wetland Type(s):**	RLP
Date:	7/6/99	**Approx. Area (acres):**	16.51
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Cedar Creek		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	B	Q-2	C	Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3	C	Q-3	C	Q-3	A	Q-3	A
Q-4	A	Q-4	C	Q-4	A	Q-4	C	Q-4	B
Q-5	A	Q-5	B	Q-5	B	Q-5	B	Q-5	A
Q-6	A	Q-6	A	Q-6	A	Q-6	B	Q-6	B
Q-7	C					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	B	Q-1	A
Q-2	A	Q-2	B	Q-2	B	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	A	Q-4	A	Q-4	B	Q-4	A
Q-5B	B	Q-5	B	Q-5	B	Q-5	B
Q-6	C	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland has the potential to provide recreational activities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**M-40**
Location:	Lane County	**Approx. Area (acres):**	16.51
Date:	7/6/99	**Wetland Types(s):**	RLP

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation & ponding	Adjacent land use is primarily agriculture
	Greater than 1 acre of open water	Wetland buffer is between 10% and 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	Adjacent Water Quality Limited stream
	Stream banks are extensively modified	Adjacent land use is primarily agriculture
	<10% of stream has instream structures	Salmon and/or trout present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	Low vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	Adjacent Water Quality Limited stream	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is surface flow	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Wetland is sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	Unmaintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland has the potential to provide recreational activities**	
Rationale:	Unmaintained public access within 250 feet	Wetland provides habitat for some wildlife
	Boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	More than two Cowardin classes are visible	Wetland surrounded by natural areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-01a**
Project Location:	Lane County	**Wetland Type(s):**	RLP

Date:	7/6/99	**Approx. Area (acres):**	9.00
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Mill Race		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	B	Q-2	B	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	C	Q-3	A	Q-3	A	Q-3	A
Q-4	A	Q-4	C	Q-4	A	Q-4	C	Q-4	B
Q-5	A	Q-5	B	Q-5	B	Q-5	B	Q-5	A
Q-6	A	Q-6	B	Q-6	A	Q-6	B	Q-6	B
Q-7	C					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is intact
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-01a**
Location:	Lane County	**Approx. Area (acres):**	9.00
Date:	7/6/99	**Wetland Types(s):**	RLP

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation & ponding	Adjacent land use is primarily agriculture
	Greater than 1 acre of open water	Wetland buffer is less than 10%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	Adjacent Water Quality Limited stream
	Only portions of stream are modified	Adjacent land use is primarily agriculture
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is intact**	
Rationale:	Primary water source is surface flow	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	Adjacent Water Quality Limited stream	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is surface flow	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	Wetland:	W-01b
Project Location:	Lane County	Wetland Type(s):	PEM

Date:	7/6/99	Approx. Area (acres):	0.60
Onsite Assessment?:	No	Investigator(s):	PF,CR, JT
Wetland Location:	Mill Race		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	A	Q-1	A	Q-1	A
Q-2	B	Q-2		Q-2	C	Q-2	C	Q-2	B
Q-3	C	Q-3		Q-3	A	Q-3	B	Q-3	A
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	B	Q-5	A
Q-6	A	Q-6		Q-6	A	Q-6	B	Q-6	B
Q-7	C					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	A	Q-2	B	Q-2	B	Q-2	C
Q-3	C	Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	A	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland has the potential to provide recreational activities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-01b**
Location:	Lane County	**Approx. Area (acres):**	0.60
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation & ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland does not flood or pond	Adjacent land use is primarily agriculture
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland does not flood or pond	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	Adjacent Water Quality Limited stream	Herbaceous vegetation & ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland has the potential to provide recreational activities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	Boat launching can be developed	Fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-02**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	0.90
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Daisy St. West of 42nd		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	B
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-02**
Location:	Lane County	**Approx. Area (acres):**	0.90
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is mostly developed
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-03a**
Project Location:	Lane County	**Wetland Type(s):**	RLP

Date:	7/6/99	**Approx. Area (acres):**	15.30
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Jasper Slough		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1	B	Q-1	A	Q-1	A	Q-1	A
Q-2	B	Q-2	B	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	B	Q-3	A	Q-3	A	Q-3	A
Q-4	A	Q-4	C	Q-4	A	Q-4	C	Q-4	B
Q-5	A	Q-5	B	Q-5	B	Q-5	B	Q-5	A
Q-6	A	Q-6	A	Q-6	A	Q-6	B	Q-6	B
Q-7	C					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is intact
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	A	Q-2	B	Q-2	B	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland has the potential to provide recreational activities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-03a**
Location:	Lane County	**Approx. Area (acres):**	15.30
Date:	7/6/99	**Wetland Types(s):**	RLP

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation & ponding	Adjacent land use is primarily agriculture
	Greater than 1 acre of open water	Wetland buffer is between 10% and 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	25-50% of stream is shaded	Adjacent Water Quality Limited stream
	Only portions of stream are modified	Adjacent land use is primarily agriculture
	10-25% of stream has instream structures	Salmon and/or trout present in stream
Result:	**Wetland's water-quality function is intact**	
Rationale:	Primary water source is surface flow	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	Adjacent Water Quality Limited stream	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is surface flow	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland has the potential to provide recreational activities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	Boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-03b**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	1.17
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Jasper Slough		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	A	Q-1	A	Q-1	A
Q-2	C	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3		Q-3	B	Q-3	B	Q-3	A
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	A	Q-6	B	Q-6	C
Q-7	C					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	B
Q-6	C	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-03b**
Location:	Lane County	**Approx. Area (acres):**	1.17
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	Moderate vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Wetland is sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

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Wetland Assessment Summary Sheet



Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-04a**
Project Location:	Lane County	**Wetland Type(s):**	PFO

Date:	7/6/99	**Approx. Area (acres):**	0.67
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Southern end of Dorris Ranch Park		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	**B**	Q-1	**C**	Q-1	**A**	Q-1	**A**	Q-1	**A**
Q-2	**A**	Q-2	**A**	Q-2	**A**	Q-2	**A**	Q-2	**B**
Q-3	**C**	Q-3	**B**	Q-3	**A**	Q-3	**B**	Q-3	**A**
Q-4	**C**	Q-4	**C**	Q-4	**B**	Q-4	**C**	Q-4	**C**
Q-5	**A**	Q-5	**A**	Q-5	**C**	Q-5	**A**	Q-5	**C**
Q-6	**A**	Q-6	**B**	Q-6	**A**	Q-6	**C**	Q-6	**A**
Q-7	**C**					Q-7	**C**		
Q-8	**A**								
Q-9A									
Q-9B	**A**								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is intact
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	**A**	Q-1	**A**	Q-1	**B**	Q-1	**C**
Q-2	**A**	Q-2	**B**	Q-2	**B**	Q-2	**A**
Q-3	**A**	Q-3	**B**	Q-3	**B**	Q-3	**A**
Q-4	**B**	Q-4	**A**	Q-4	**B**	Q-4	**A**
Q-5B	**A**	Q-5	**B**	Q-5	**A**	Q-5	**B**
Q-6	**B**	Q-6	**B**	Q-6	**B**	Q-6	**A**

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland has the potential to provide recreational activities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-04a**
Location:	Lane County	**Approx. Area (acres):**	0.67
Date:	7/6/99	**Wetland Types(s):**	PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	Adjacent Water Quality limited stream
	Dominated by woody vegetation	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	Adjacent Water Quality Limited stream
	Stream is in a natural channel	Adjacent land is primarily open space
	10-25% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is intact**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is primarily open space
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Dominated by woody vegetation
	Wetland floods/ponds in growing season	Open space downslope of development
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Dominated by woody vegetation
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland is open to the public	Unmaintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland has the potential to provide recreational activities**	
Rationale:	Unmaintained public access within 250 feet	Wetland provides habitat for some wildlife
	Boat launching can be developed	Fishing is allowed
	Unmaintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by natural areas
	>50% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-04b**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	0.30
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Southern end of Dorris Ranch Park		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	A	Q-1	A	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	C	Q-3		Q-3	A	Q-3	C	Q-3	A
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	C
Q-5	B	Q-5		Q-5	C	Q-5	C	Q-5	C
Q-6	B	Q-6		Q-6	A	Q-6	C	Q-6	C
Q-7	C					Q-7	C		
Q-8	A								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control function is lost or not present
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	A	Q-1	B	Q-1	C
Q-2	A	Q-2	B	Q-2	B	Q-2	A
Q-3	A	Q-3	B	Q-3	B	Q-3	A
Q-4	C	Q-4	A	Q-4	B	Q-4	A
Q-5B	A	Q-5	B	Q-5	A	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland has the potential to provide recreational activities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-04b**
Location:	Lane County	**Approx. Area (acres):**	0.30
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is primarily open space
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control function is lost or not present**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Open space downslope of development
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is surface flow	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland is open to the public	Unmaintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland has the potential to provide recreational activities**	
Rationale:	Unmaintained public access within 250 feet	Wetland provides habitat for some wildlife
	Boat launching can be developed	Fishing is allowed
	Unmaintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by natural areas
	>50% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-05**
Project Location:	Lane County	**Wetland Type(s):**	PEM, PFO, POW

Date:	7/6/99	**Approx. Area (acres):**	5.70
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	East of Harbor Dr. South of Dorris St. (Dorris Ranch)		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	B	Q-1	A	Q-1	A	Q-1	A
Q-2	B	Q-2	C	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	C	Q-3	B	Q-3	A	Q-3	A
Q-4	A	Q-4	C	Q-4	A	Q-4	C	Q-4	C
Q-5	A	Q-5	A	Q-5	C	Q-5	B	Q-5	C
Q-6	A	Q-6	B	Q-6	A	Q-6	C	Q-6	B
Q-7	C					Q-7	C		
Q-8	A								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	A	Q-1	A	Q-1	B
Q-2	A	Q-2	B	Q-2	C	Q-2	B
Q-3	A	Q-3	B	Q-3	A	Q-3	A
Q-4	A	Q-4	A	Q-4	B	Q-4	A
Q-5B	A	Q-5	A	Q-5	B	Q-5	B
Q-6	B	Q-6	A	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-05**
Location:	Lane County	**Approx. Area (acres):**	5.70
Date:	7/6/99	**Wetland Types(s):**	PEM, PFO, POW

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	Adjacent Water Quality limited stream
	Herbaceous vegetation & ponding	Adjacent land is primarily open space
	Greater than 1 acre of open water	Wetland buffer is greater than 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	25-50% of stream is shaded	Adjacent Water Quality Limited stream
	Stream banks are extensively modified	Adjacent land is primarily open space
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land is primarily open space
	Moderate vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Open space downslope of development
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is surface flow	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland is open to the public	Maintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland provides recreational opportunities**	
Rationale:	Maintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by natural areas
	25 - 50% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-08**
Project Location:	Lane County	**Wetland Type(s):**	POW

Date:	7/6/99	**Approx. Area (acres):**	1.22
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Log pond, E of Mill Race W of Booth Kelly Rd.		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	B	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3		Q-3	C	Q-3	B	Q-3	A
Q-4	A	Q-4		Q-4	B	Q-4	A	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6		Q-6	A	Q-6	A	Q-6	B
Q-7	C					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	B	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	C	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-08**
Location:	Lane County	**Approx. Area (acres):**	1.22
Date:	7/6/99	**Wetland Types(s):**	POW

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Greater than 1 acre of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Low vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Flow out of wetland is restricted	Development upslope of wetland
Result:	**Wetland is sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	Adjacent Water Quality Limited stream	Herbaceous vegetation & ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Flow is restricted, but can be restored	Wetland is sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-09**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	0.22
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	N of Booth Kelly Rd.		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	A
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-09**
Location:	Lane County	**Approx. Area (acres):**	0.22
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is mostly developed
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-10**
Project Location:	Lane County	**Wetland Type(s):**	PSS

Date:	7/6/99	**Approx. Area (acres):**	1.29
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	S of Main, connects with East Springfield-Millrace (lower)		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	A	Q-2	B	Q-2	B	Q-2	B	Q-2	B
Q-3	C	Q-3	C	Q-3	A	Q-3	B	Q-3	A
Q-4	C	Q-4	C	Q-4	B	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	A	Q-5	C
Q-6	A	Q-6	B	Q-6	A	Q-6	A	Q-6	A
Q-7	C					Q-7	C		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	B
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-10**
Location:	Lane County	**Approx. Area (acres):**	1.29
Date:	7/6/99	**Wetland Types(s):**	PSS

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Dominated by woody vegetation	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	Adjacent Water Quality Limited stream
	Only portions of stream are modified	Adjacent land is mostly developed
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is mostly developed
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Dominated by woody vegetation
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Dominated by woody vegetation
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-11**
Project Location:	Lane County	**Wetland Type(s):**	PFO

Date:	7/6/99	**Approx. Area (acres):**	0.67
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Alton Baker Park; East Gate Woodland South		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	B	Q-1	A	Q-1	A
Q-2	A	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	C	Q-3		Q-3	A	Q-3	B	Q-3	A
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	C
Q-5	B	Q-5		Q-5	C	Q-5	A	Q-5	C
Q-6	B	Q-6		Q-6	A	Q-6	C	Q-6	A
Q-7	C					Q-7	C		
Q-8	A								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	A	Q-1	B	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	B
Q-3	A	Q-3	B	Q-3	B	Q-3	A
Q-4	B	Q-4	A	Q-4	B	Q-4	A
Q-5B	A	Q-5	B	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland has the potential to provide recreational activities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-11**
Location:	Lane County	**Approx. Area (acres):**	0.67
Date:	7/6/99	**Wetland Types(s):**	PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Dominated by woody vegetation	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is primarily open space
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Dominated by woody vegetation
	Can't determine if wetland floods or ponds	Open space downslope of development
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Dominated by woody vegetation
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland is open to the public	Unmaintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland has the potential to provide recreational activities**	
Rationale:	Unmaintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Unmaintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by natural areas
	25 - 50% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-12**
Project Location:	Lane County	**Wetland Type(s):**	PFO
Date:	7/6/99	**Approx. Area (acres):**	1.42
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Island Park		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	A	Q-2	C	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	C	Q-3	A	Q-3	B	Q-3	A
Q-4	C	Q-4	C	Q-4	B	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	A	Q-5	C
Q-6	A	Q-6	B	Q-6	A	Q-6	A	Q-6	A
Q-7	C					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is intact
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	A	Q-1	B	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	A	Q-3	C
Q-4	B	Q-4	A	Q-4	B	Q-4	B
Q-5B	A	Q-5	B	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland has the potential to provide recreational activities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-12**
Location:	Lane County	**Approx. Area (acres):**	1.42
Date:	7/6/99	**Wetland Types(s):**	PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Dominated by woody vegetation	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	Adjacent Water Quality Limited stream
	Stream banks are extensively modified	Adjacent land is mostly developed
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is intact**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is within 100 year floodplain	Dominated by woody vegetation
	Wetland floods/ponds in growing season	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Dominated by woody vegetation
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland is open to the public	Unmaintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland has the potential to provide recreational activities**	
Rationale:	Unmaintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-13**
Project Location:	Lane County	**Wetland Type(s):**	PFO

Date:	7/6/99	**Approx. Area (acres):**	,2.24
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Patterson Slough / Canoe Canal		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	A	Q-2	B	Q-2	B	Q-2	B	Q-2	B
Q-3	C	Q-3	C	Q-3	A	Q-3	B	Q-3	A
Q-4	C	Q-4	C	Q-4	B	Q-4	C	Q-4	C
Q-5	A	Q-5	A	Q-5	C	Q-5	A	Q-5	C
Q-6	A	Q-6	B	Q-6	A	Q-6	C	Q-6	A
Q-7	C					Q-7	C		
Q-8	A								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	A	Q-1	B	Q-1	C
Q-2	A	Q-2	B	Q-2	A	Q-2	B
Q-3	A	Q-3	B	Q-3	A	Q-3	A
Q-4	B	Q-4	A	Q-4	B	Q-4	A
Q-5B	A	Q-5	B	Q-5	A	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-13**
Location:	Lane County	**Approx. Area (acres):**	2.24
Date:	7/6/99	**Wetland Types(s):**	PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Dominated by woody vegetation	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	Adjacent Water Quality Limited stream
	Only portions of stream are modified	Adjacent land is primarily open space
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is primarily open space
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Dominated by woody vegetation
	Can't determine if wetland floods or ponds	Open space downslope of development
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Dominated by woody vegetation
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland is open to the public	Unmaintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland provides recreational opportunities**	
Rationale:	Unmaintained public access within 250 feet	Wetland provides habitat for some wildlife
	Boat launching within 1/2 mile	Fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by natural areas
	25 - 50% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-14**
Project Location:	Lane County	**Wetland Type(s):**	PEM,PSS
Date:	7/6/99	**Approx. Area (acres):**	0.97
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	W of Prescott Lane		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1		Q-1	A	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	B	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	C	Q-5	A
Q-6	C	Q-6		Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	B
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-14**
Location:	Lane County	**Approx. Area (acres):**	0.97
Date:	7/6/99	**Wetland Types(s):**	PEM,PSS

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is mostly developed
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-15**
Project Location:	Lane County	**Wetland Type(s):**	PFO

Date:	7/6/99	**Approx. Area (acres):**	0.79
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Dorris Ranch		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	B	Q-1	A	Q-1	A
Q-2	A	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	B	Q-3	A
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	C
Q-5	B	Q-5		Q-5	C	Q-5	A	Q-5	C
Q-6	B	Q-6		Q-6	A	Q-6	C	Q-6	A
Q-7	C					Q-7	C		
Q-8	A								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	A	Q-1	B	Q-1	C
Q-2	C	Q-2	B	Q-2	B	Q-2	B
Q-3	A	Q-3	B	Q-3	B	Q-3	A
Q-4	B	Q-4	A	Q-4	B	Q-4	A
Q-5B	A	Q-5	B	Q-5	A	Q-5	B
Q-6	C	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland has potential for educational use
Recreation	Wetland has the potential to provide recreational activities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-15**
Location:	Lane County	**Approx. Area (acres):**	0.79
Date:	7/6/99	**Wetland Types(s):**	PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	Adjacent Water Quality limited stream
	Dominated by woody vegetation	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is primarily open space
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Dominated by woody vegetation
	Can't determine if wetland floods or ponds	Open space downslope of development
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water is taken out or isolated wetland	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Dominated by woody vegetation
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Wetland is sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland is open to the public	Unmaintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland has the potential to provide recreational activities**	
Rationale:	Unmaintained public access within 250 feet	Wetland provides habitat for some wildlife
	Boat launching can be developed	Fishing is allowed
	Unmaintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by natural areas
	25 - 50% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-16**
Project Location:	Lane County	**Wetland Type(s):**	PFO,PEM

Date:	7/6/99	**Approx. Area (acres):**	1.46
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	N of Dorris Ranch		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	A	Q-1	B	Q-1	A
Q-2	A	Q-2	B	Q-2	A	Q-2	A	Q-2	B
Q-3	B	Q-3	C	Q-3	A	Q-3	B	Q-3	A
Q-4	C	Q-4	C	Q-4	B	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	A	Q-5	A
Q-6	A	Q-6	B	Q-6	A	Q-6	A	Q-6	A
Q-7	C					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is intact
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	B
Q-2	A	Q-2	B	Q-2	A	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	A	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-16**
Location:	Lane County	**Approx. Area (acres):**	1.46
Date:	7/6/99	**Wetland Types(s):**	PFO,PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	Adjacent Water Quality limited stream
	Dominated by woody vegetation	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	Adjacent Water Quality Limited stream
	Only portions of stream are modified	Adjacent land is mostly developed
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is intact**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is not within 100 year floodplain	Dominated by woody vegetation
	Wetland floods/ponds in growing season	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is primarily development
	Adjacent Water Quality Limited stream	Dominated by woody vegetation
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland provides recreational opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	Boat launching within 1/2 mile	Fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-17**
Project Location:	Lane County	**Wetland Type(s):**	RLP

Date:	7/6/99	**Approx. Area (acres):**	8.35
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Jasper Slough		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	B	Q-2	B	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	C	Q-3	A	Q-3	A	Q-3	A
Q-4	A	Q-4	C	Q-4	A	Q-4	C	Q-4	B
Q-5	A	Q-5	B	Q-5	B	Q-5	B	Q-5	C
Q-6	A	Q-6	A	Q-6	A	Q-6	B	Q-6	B
Q-7	C					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is intact
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5B	A	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-17**
Location:	Lane County	**Approx. Area (acres):**	8.35
Date:	7/6/99	**Wetland Types(s):**	RLP

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation & ponding	Adjacent land use is primarily agriculture
	Greater than 1 acre of open water	Wetland buffer is greater than 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	Adjacent Water Quality Limited stream
	Only portions of stream are modified	Adjacent land use is primarily agriculture
	<10% of stream has instream structures	Salmon and/or trout present in stream
Result:	**Wetland's water-quality function is intact**	
Rationale:	Primary water source is surface flow	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is surface flow	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-18a**
Project Location:	Lane County	**Wetland Type(s):**	PFO, PEM, PSS

Date:	7/6/99	**Approx. Area (acres):**	128.80
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Natron Site		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	B	Q-2		Q-2	A	Q-2	A	Q-2	B
Q-3	B	Q-3		Q-3	A	Q-3	A	Q-3	C
Q-4	C	Q-4		Q-4	A	Q-4	A	Q-4	A
Q-5	A	Q-5		Q-5	A	Q-5	B	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	A	Q-6	B
Q-7	A					Q-7	B		
Q-8	C								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is intact
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	A
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	B
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5B	A	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-18a**
Location:	Lane County	**Approx. Area (acres):**	128.80
Date:	7/6/99	**Wetland Types(s):**	PFO, PEM, PSS

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is intact**	
Rationale:	Primary water source is precipitation	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Flow out of wetland is restricted	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is precipitation	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	More than two Cowardin classes are visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can be removed	Some traffic and natural noises are present

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-18b**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	1.90
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Natron Site		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	A	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	B		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-18b**
Location:	Lane County	**Approx. Area (acres):**	1.90
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is mostly developed
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Flow out of wetland is restricted	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-18c**
Project Location:	Lane County	**Wetland Type(s):**	PEM

Date:	7/6/99	**Approx. Area (acres):**	1.30
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Natron Site		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1		Q-1	B	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	A	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	B		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-18c**
Location:	Lane County	**Approx. Area (acres):**	1.30
Date:	7/6/99	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land is mostly developed
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Flow out of wetland is restricted	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-19**
Project Location:	Lane County	**Wetland Type(s):**	PFO, POW

Date:	7/6/99	**Approx. Area (acres):**	41.65
Onsite Assessment?:	No	**Investigator(s):**	PF,CR, JT
Wetland Location:	Co. prop. adj. Springfield Sheriff's Pistol Range; Mill Race & Pond		

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	B	Q-1	A	Q-1	A	Q-1	A
Q-2	B	Q-2	C	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	C	Q-3	C	Q-3	A	Q-3	A
Q-4	A	Q-4	C	Q-4	A	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	B	Q-5	A
Q-6	A	Q-6	B	Q-6	A	Q-6	A	Q-6	B
Q-7	C					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	B
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5B	A	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Springfield Local Wetland Inventory	**Wetland:**	**W-19**
Location:	Lane County	**Approx. Area (acres):**	41.65
Date:	7/6/99	**Wetland Types(s):**	PFO, POW

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	Adjacent Water Quality limited stream
	Herbaceous vegetation & ponding	Adjacent land is mostly developed
	Greater than 1 acre of open water	Wetland buffer is greater than 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	25-50% of stream is shaded	Adjacent Water Quality Limited stream
	Stream banks are extensively modified	Adjacent land is mostly developed
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Wetland is more than 5 acres in size
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Low vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is primarily development
	Adjacent Water Quality Limited stream	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is surface flow	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by landscaped areas
	Less than 25% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Appendix B
Significant Wetland Determination Sheets

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-01**
Project Location:	Lane County	**Approx. Area (acres):**	4.94
Date:	7/6/99	**Wetland Types(s):**	RLP

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-02a**
Project Location:	Lane County	**Approx. Area (acres):**	0.15
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard	Yes	
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?	**Yes**	

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Excluded from consideration, Not a Locally Significant

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-02b**
Project Location:	Lane County	**Approx. Area (acres):**	10
Date:	7/6/99	**Wetland Types(s):**	PEM, POW

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond	Yes	
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard	Yes	
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?	**Yes**	

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Excluded from consideration, Not a Locally Significant

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-02c**
Project Location:	Lane County	**Approx. Area (acres):**	7.5
Date:	7/6/99	**Wetland Types(s):**	POW

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond	Yes	
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard	Yes	
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?	**Yes**	

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Excluded from consideration, Not a Locally Significant

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-03**
Project Location:	Lane County	**Approx. Area (acres):**	2.7
Date:	7/6/99	**Wetland Types(s):**	PEM,PFO

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-04**
Project Location:	Lane County	**Approx. Area (acres):**	5.02
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?	Yes	
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .	Yes	
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?	**Yes**	

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-05**
Project Location:	Lane County	**Approx. Area (acres):**	9
Date:	7/6/99	**Wetland Types(s):**	PEM, PFO, PSS

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?	Yes	
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-06**
Project Location:	Lane County	**Approx. Area (acres):**	4.1
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-07**
Project Location:	Lane County	**Approx. Area (acres):**	0.2
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-08**
Project Location:	Lane County	**Approx. Area (acres):**	0.21
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria* : local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-10**
Project Location:	Lane County	**Approx. Area (acres):**	2.72
Date:	7/6/99	**Wetland Types(s):**	RIN

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-11**
Project Location:	Lane County	**Approx. Area (acres):**	1.01
Date:	7/6/99	**Wetland Types(s):**	POW

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater	Yes	
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?	**Yes**	

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Excluded from consideration, Not a Locally Significant

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-12**
Project Location:	Lane County	**Approx. Area (acres):**	1.22
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-14**
Project Location:	Lane County	**Approx. Area (acres):**	33.45
Date:	7/6/99	**Wetland Types(s):**	PEM, PFO

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?	Yes	
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	Wetland:	M-16a
Project Location:	Lane County	Approx. Area (acres):	1.3
Date:	7/6/99	Wetland Types(s):	PFO

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?	Yes	
4 Is the wetland's *hydrologic control function intact* ?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-16b**
Project Location:	Lane County	**Approx. Area (acres):**	5.6
Date:	7/6/99	**Wetland Types(s):**	PFO,POW

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-16c**
Project Location:	Lane County	**Approx. Area (acres):**	5.76
Date:	7/6/99	**Wetland Types(s):**	RLP

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-16d**
Project Location:	Lane County	**Approx. Area (acres):**	0.3
Date:	7/6/99	**Wetland Types(s):**	POW,PSS

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-16e**
Project Location:	Lane County	**Approx. Area (acres):**	1
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-17**
Project Location:	Lane County	**Approx. Area (acres):**	3.15
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-18**
Project Location:	Lane County	**Approx. Area (acres):**	40.72
Date:	7/6/99	**Wetland Types(s):**	POW,PSS

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes":**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond	Yes	
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?	**Yes**	

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?	Yes	
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Excluded from consideration, Not a Locally Significant

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-19**
Project Location:	Lane County	**Approx. Area (acres):**	0.37
Date:	7/6/99	**Wetland Types(s):**	PFO

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-20**
Project Location:	Lane County	**Approx. Area (acres):**	0.52
Date:	7/6/99	**Wetland Types(s):**	PFO

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?	Yes	
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?	Yes	
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-21**
Project Location:	Lane County	**Approx. Area (acres):**	0.39
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-23**
Project Location:	Lane County	**Approx. Area (acres):**	0.19
Date:	7/6/99	**Wetland Types(s):**	PSS

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-24**
Project Location:	Lane County	**Approx. Area (acres):**	0.51
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**

1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**

1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**

1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-25**
Project Location:	Lane County	**Approx. Area (acres):**	24
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?	Yes	
4 Is the wetland's *hydrologic control function intact*?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**Yes**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-26**
Project Location:	Lane County	**Approx. Area (acres):**	1.85
Date:	7/6/99	**Wetland Types(s):**	PSS,PFO

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?	Yes	
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-27**
Project Location:	Lane County	**Approx. Area (acres):**	8.28
Date:	7/6/99	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**Yes**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-28**
Project Location:	Lane County	**Approx. Area (acres):**	1.51
Date:	7/6/99	**Wetland Types(s):**	PEM, POW

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state	Yes	
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?	**Yes**	

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Excluded from consideration, Not a Locally Significant

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-29**
Project Location:	Lane County	**Approx. Area (acres):**	1.08
Date:	7/6/99	**Wetland Types(s):**	PEM, PFO

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?	Yes	
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.	Yes	
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?	**Yes**	

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-30**
Project Location:	Lane County	**Approx. Area (acres):**	6.49
Date:	7/6/99	**Wetland Types(s):**	PEM, PFO, POW

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?	Yes	
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-31**
Project Location:	Lane County	**Approx. Area (acres):**	8.06
Date:	7/6/99	**Wetland Types(s):**	POW

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond	Yes	
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?	**Yes**	

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Excluded from consideration, Not a Locally Significant

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-32**
Project Location:	Lane County	**Approx. Area (acres):**	3.39
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state	Yes	
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?	**Yes**	

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Excluded from consideration, Not a Locally Significant

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-33a**
Project Location:	Lane County	**Approx. Area (acres):**	3.39
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**Yes**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-33b**
Project Location:	Lane County	**Approx. Area (acres):**	116.17
Date:	7/6/99	**Wetland Types(s):**	POW

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond	Yes	
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard	Yes	
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?	**Yes**	

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Excluded from consideration, Not a Locally Significant

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-34**
Project Location:	Lane County	**Approx. Area (acres):**	0.08
Date:	7/6/99	**Wetland Types(s):**	PFO

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-35**
Project Location:	Lane County	**Approx. Area (acres):**	4.91
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-36**
Project Location:	Lane County	**Approx. Area (acres):**	0.75
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-37**
Project Location:	Lane County	**Approx. Area (acres):**	0.4
Date:	7/6/99	**Wetland Types(s):**	RIN

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-38**
Project Location:	Lane County	**Approx. Area (acres):**	0.08
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-39**
Project Location:	Lane County	**Approx. Area (acres):**	1.9
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**M-40**
Project Location:	Lane County	**Approx. Area (acres):**	16.51
Date:	7/6/99	**Wetland Types(s):**	RLP

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-01a**
Project Location:	Lane County	**Approx. Area (acres):**	9
Date:	7/6/99	**Wetland Types(s):**	RLP

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?	Yes	
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**Yes**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-01b**
Project Location:	Lane County	**Approx. Area (acres):**	0.6
Date:	7/6/99	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-02**
Project Location:	Lane County	**Approx. Area (acres):**	0.9
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?	Yes	
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .	Yes	
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?	**Yes**	

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-03a**
Project Location:	Lane County	**Approx. Area (acres):**	15.3
Date:	7/6/99	**Wetland Types(s):**	RLP

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?	Yes	
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**Yes**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-03b**
Project Location:	Lane County	**Approx. Area (acres):**	1.17
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-04a**
Project Location:	Lane County	**Approx. Area (acres):**	0.67
Date:	7/6/99	**Wetland Types(s):**	PFO

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?	Yes	
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-04b**
Project Location:	Lane County	**Approx. Area (acres):**	0.3
Date:	7/6/99	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-05**
Project Location:	Lane County	**Approx. Area (acres):**	5.7
Date:	7/6/99	**Wetland Types(s):**	PEM, PFO, POW

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-08**
Project Location:	Lane County	**Approx. Area (acres):**	1.22
Date:	7/6/99	**Wetland Types(s):**	POW

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond	Yes	
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?	**Yes**	

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Excluded from consideration, Not a Locally Significant

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-09**
Project Location:	Lane County	**Approx. Area (acres):**	0.22
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-10**
Project Location:	Lane County	**Approx. Area (acres):**	1.29
Date:	7/6/99	**Wetland Types(s):**	PSS

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-11**
Project Location:	Lane County	**Approx. Area (acres):**	0.67
Date:	7/6/99	**Wetland Types(s):**	PFO

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-12**
Project Location:	Lane County	**Approx. Area (acres):**	1.42
Date:	7/6/99	**Wetland Types(s):**	PFO

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?	Yes	
4 Is the wetland's *hydrologic control function intact*?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-13**
Project Location:	Lane County	**Approx. Area (acres):**	2.24
Date:	7/6/99	**Wetland Types(s):**	PFO

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-14**
Project Location:	Lane County	**Approx. Area (acres):**	0.97
Date:	7/6/99	**Wetland Types(s):**	PEM,PSS

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-15**
Project Location:	Lane County	**Approx. Area (acres):**	0.79
Date:	7/6/99	**Wetland Types(s):**	PFO

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-16**
Project Location:	Lane County	**Approx. Area (acres):**	1.46
Date:	7/6/99	**Wetland Types(s):**	PFO,PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?	Yes	
4 Is the wetland's *hydrologic control function intact* ?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-17**
Project Location:	Lane County	**Approx. Area (acres):**	8.35
Date:	7/6/99	**Wetland Types(s):**	RLP

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?	Yes	
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**Yes**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-18a**
Project Location:	Lane County	**Approx. Area (acres):**	128.8
Date:	7/6/99	**Wetland Types(s):**	PFO, PEM, PSS

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?	Yes	
4 Is the wetland's *hydrologic control function intact* ?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-18b**
Project Location:	Lane County	**Approx. Area (acres):**	1.9
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below.**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-18c**
Project Location:	Lane County	**Approx. Area (acres):**	1.3
Date:	7/6/99	**Wetland Types(s):**	PEM

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Springfield Local Wetland Inventory	**Wetland:**	**W-19**
Project Location:	Lane County	**Approx. Area (acres):**	41.65
Date:	7/6/99	**Wetland Types(s):**	PFO, POW

***Exclusions*: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86		No
Exclusion criteria satisfied?		**No**

***Mandatory Locally Significant Wetland Criteria*: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

***Optional Locally Significant Wetland Criteria*: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland