SHAPIRO

City of Sandy

Locally Significant Wetlands Determination

June 14, 2002

Prepared for

The City of Sandy

SHAPIRO
& ASSOCIATES, INC.

City of Sandy

Locally Significant Wetlands Determination

Prepared for

The City of Sandy

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SHAPIRO Project #2005046.1

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1. INTRODUCTION

This report documents the methods and results of the City of Sandy's (City) Locally Significant Wetlands (LSW) Determination. The City hired Shapiro and Associates, Inc. (SHAPIRO) to assess the significance of wetlands located within the urban growth boundary (UGB) of Sandy (see Figure 1 and Appendix A) based on criteria developed by the Oregon Division of State Lands (DSL) in January 1997 (OAR 141-86-300 through 141-86-350). The significance assessment is an update to a Local Wetlands Inventory (LWI) conducted by SHAPIRO in 1995. The cartographic products and supporting documentation of this study have been prepared to satisfy Goal 5 LSW criteria (OAR 141-086-300).

2. SOURCE MATERIALS AND METHODS

2.1 Source Materials

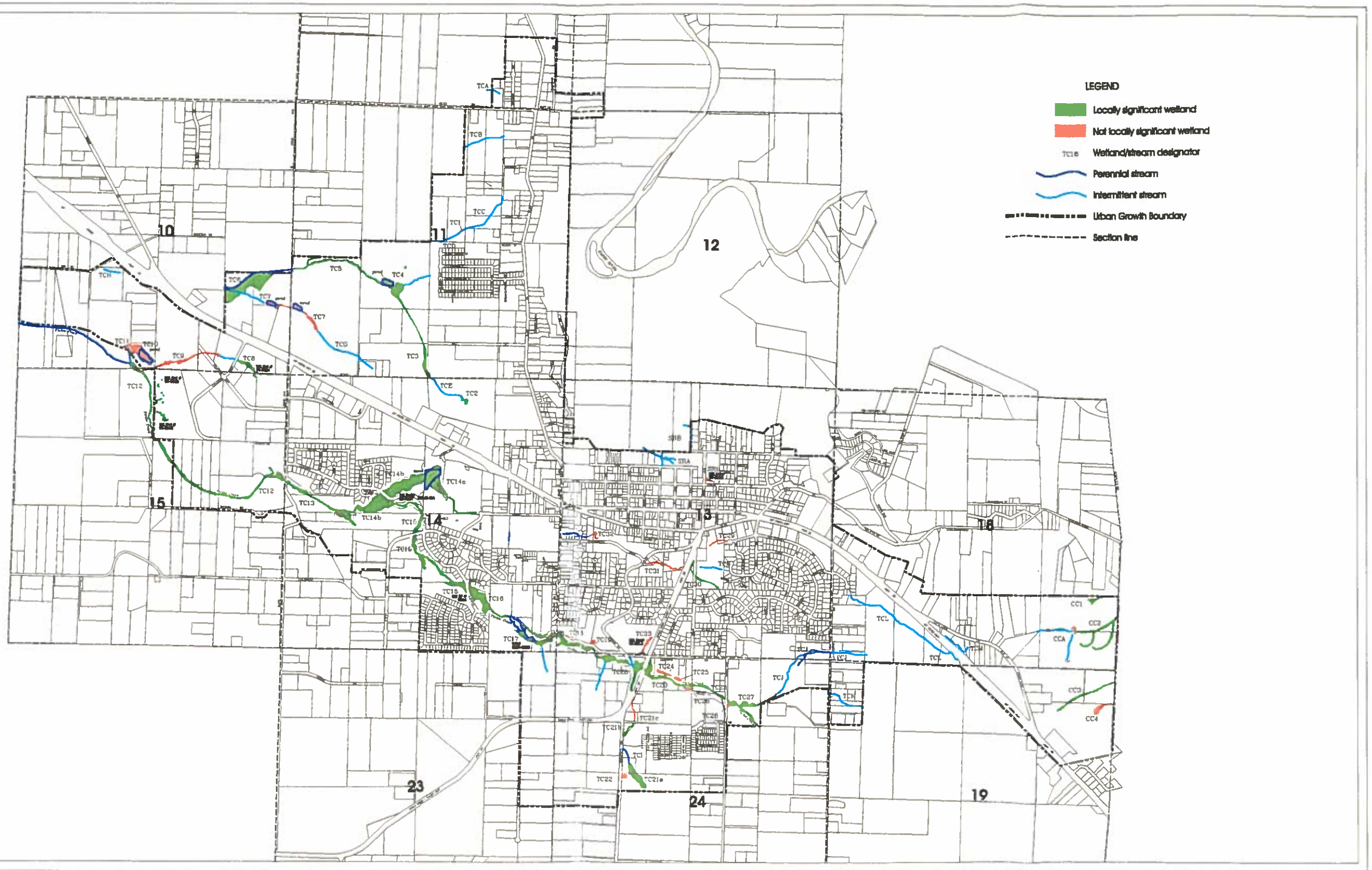
The primary source materials reviewed during the LSW determination were the Local Wetland Inventory (LWI) for the City of Sandy (SRI/SHAPIRO/AGCO 1997); the Oregon Freshwater Wetland Assessment Methodology (OFWAM) (Roth etal. 1993, 1996 revised); the City of Sandy, Oregon, Clackamas County, Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FEMA 2000); and Oregon's 1998 Section 303(d) List of Water Quality Limited Waterbodies (DEQ 1998).

SHAPIRO also used a fish presence map provided by Jeff Hepler, Forest Practices Forester with the Oregon Department of Forestry; Essential Salmon Habitat map, Plate 27 (DSL 1999); the Dubarko Drive, Sandy, Oregon, Biological Assessment (SHAPIRO 2000a); Dubarko Drive Wetland Delineation, Sandy, Oregon (SHAPIRO 2000b); and the City of Sandy Stream and Riparian Assessment (SHAPIRO 2001). Additionally, the City acquired documentation from DSL of any permitted activities such as removal/fill or mitigation areas and wetland delineation concurrence since the completion of the LWI. This information was used to evaluate existing and modified wetlands and adjacent land uses within the UGB.

Wetlands and adjacent land uses also were observed during fieldwork for a stream and riparian assessment project conducted by SHAPIRO for the City in 2000-2001. This knowledge, too, was utilized for the LSW determination.

In addition to the determination and mapping of LSW, this project also includes revisions to the LWI map that are necessary because DSL has approved five wetland delineations and two mitigation areas since the completion of the LWI. The wetland delineations and the mitigation areas were confirmed by DSL in 1998, 1999, and 2000. The wetland delineation boundaries and mitigation area were digitized from original maps or photocopies of maps in the reports submitted to DSL.

C:\2005\046\1\Fig#1.dwg



Source: City of Sandy, Oregon

0 2000
Approximate Scale in Feet

FIGURE 1

LOCALLY SIGNIFICANT WETLANDS

CITY OF SANDY - LOCAL SIGNIFICANT WETLANDS
2005046.1 6.14.02

SHAPIRO & ASSOCIATES, INC.

2.2 Overview of Locally Significant Wetlands Determination Methods

Using information provided by the City as a basis, SHAPIRO's assessment analyzed wetlands in four groups based on activity since the field data were collected for the LWI in late 1995. The four groups are as follows:

1. wetlands mapped on the LWI that have not been delineated or modified by permitted activity;
2. wetlands mapped on the LWI that have been delineated since the LWI data were collected, with delineation concurrence, maps, and reference numbers documented by DSL and/or the U.S. Army Corps of Engineers (Corps);
3. wetlands mapped on the LWI that have been modified (i.e., filled or enlarged) by permitted activity, as documented by permit numbers and maps from DSL; and
4. wetlands not mapped on the LWI that have been delineated or modified by permitted activity as documented by DSL since the LWI fieldwork was completed.

The LSW was conducted using color aerial photographs acquired by Metro in the summer of 1997 (Metro 1997), reproduced at a minimum scale of 1 inch = 400 feet (1:4:800). Wetland polygons mapped during the 1995 LWI were digitally overlaid on the photographs for analysis and to assist in mapping changes. Site visits and observations of current conditions were conducted as previously mentioned during a separate stream and riparian assessment project in early 2001.

The results of the OFWAM (Roth et al. 1993) from the LWI in 1995 were reviewed to prepare the LSW determination. Subsequent to the LWI, a revised edition of OFWAM (1996) was developed. The revised edition clarifies and rearranges some questions, directions, and answers found in the 1993 edition. The 1993 and 1996 OFWAM questions and assessment criteria for the four ecological wetland functions were compared to determine what if any changes could affect the significance assessment. Aside from differences in wording, the OFWAM questions in both editions are the same. Assessment criteria for wildlife and fish habitat also were the same in both editions. However, the assessment criteria for water quality and hydrologic control functions did change slightly between editions. These changes result in a higher number of wetlands being rated as significant using the 1996 version. Since the 1996 OFWAM is the most up-to-date version of the methodology, it was used to assess water quality and hydrologic control functions of wetlands within the study area.

Current site conditions also were used in the analysis since development or alterations to lands adjacent to LWI wetlands, or alterations to the mapped wetlands themselves, could change OFWAM results and hence the determination of significance.

The product of the LSW is a parcel-based map showing the approximate location of significant wetlands and wetlands not rated significant. The map also is updated to indicate alterations to previously mapped wetlands or refinements of LWI wetland boundaries. The minimum scale of the LSW map is 1 inch = 400 feet. The parcel-based

map allows the property owner, local jurisdiction, and DSL to know which tax lots may contain significant wetlands.

3. WETLAND QUALITY ASSESSMENT

3.1 Overview of the Oregon Freshwater Wetland Assessment Methodology (OFWAM)

OFWAM was developed by an interagency committee to assess the relative quality of wetlands. The methodology is intended for planners, public officials, and community members to use for planning and educational purposes. Completion of this methodology provides basic information that is not intended to be used for evaluation of detailed, site-specific impacts on individual wetlands.

OFWAM is based on the idea that an understanding of the wetland system functions and conditions at local, state, and federal levels is necessary to make management decisions. Recommended uses of OFWAM include collection of basic information about wetlands in an assessment area, creation of a database of functions and conditions and other wetland data, support of decision making and planning within a jurisdiction, and education. OFWAM requires that the same functions and conditions be evaluated for each wetland within a study area. Addition, other considerations are noted in the following sections that determine the wetland's overall value.

The methodology provides qualitative information on the relative value of wetlands based on a series of questions related to wetland functions. These include wildlife habitat, fish habitat, water quality, hydrologic control, sensitivity to impact, enhancement potential, education, recreation, and aesthetic quality. Each function is assessed by criteria and given a rating. For example:

- A wetland can provide wildlife habitat that is diverse, limited, or not present.
- A wetland's fish habitat, water quality, and hydrologic control functions can be rated intact, impacted, or not present.
- A wetland provides, has the potential to provide, or is inappropriate to provide educational and recreational functions.
- A wetland's enhancement potential and sensitivity to impact functions can be rated high, moderate, or low.
- A wetland's aesthetic quality can be rated pleasing, moderately pleasing, or not pleasing.

OFWAM is designed to be open-ended; therefore, other functions and conditions may be added later, or some may be dropped if not important to the user. For details of the ranking, consult the 1996 OFWAM document.

The OFWAM results are summarized in Table 1. This table is useful primarily for obtaining an overview of the current and potential functional level of each wetland. The functional level of each assessed characteristic is shown for each wetland. These

Table 1. Summary of Oregon Freshwater Wetland Assessment Methodology (OFWAM) Results for City of Sandy

Wetland Code	Wildlife Habitat (F)	Fish Habitat Streams (F)	Fish Habitat Lakes/Ponds (F)	Water Quality (F)	Hydrologic Control (F)	Education (F)	Recreation (F)	Enhancement Potential (C)	Aesthetic Quality(C)	Impact Sensitivity (C)
CC-01	Provides Limited	Intact	N/A	Impacted	Not Present	Potential	Inappropriate	Moderate	Pleasing	Moderate
CC-02	Provides Diverse	Impacted	N/A	Impacted	Impacted	Potential	Inappropriate	Moderate	Pleasing	Moderate
CC-03	Provides Diverse	Impacted	N/A	Impacted	Impacted	Potential	Inappropriate	Moderate	Pleasing	Moderate
CC-04	Provides Limited	N/A	N/A	Impacted	Impacted	Provides	Inappropriate	High	Pleasing	Moderate
SR-01	Provides Limited	N/A	N/A	Impacted	Impacted	Inappropriate	Inappropriate	Moderate	Moderately Pleasing	Moderate
TC-01	Provides Limited	Impacted	N/A	Impacted	Not Present	Inappropriate	Potential	Moderate	Moderately Pleasing	Moderate
TC-02	Provides Limited	N/A	Intact	Impacted	Not Present	Potential	Provides	High	Pleasing	Moderate
TC-03	Provides Limited	Intact	N/A	Intact	Impacted	Inappropriate	Inappropriate	High	Pleasing	Moderate
TC-04	Provides Diverse	Impacted	N/A	Impacted	Impacted	Potential	Inappropriate	Moderate	Pleasing	Moderate
TC-05	Provides Limited	Intact	N/A	Impacted	Impacted	Potential	Inappropriate	Moderate	Pleasing	Moderate
TC-06	Provides Diverse	Intact	N/A	Intact	Intact	Potential	Inappropriate	Moderate	Pleasing	Moderate
TC-07	Provides Limited	Impacted	N/A	Impacted	Impacted	Potential	Inappropriate	High	Moderately Pleasing	Moderate
TC-08	Provides Limited	Impacted	N/A	Intact	Impacted	Potential	Potential	High	Moderately Pleasing	Moderate
TC-09	Provides Limited	Impacted	N/A	Impacted	Impacted	Potential	Inappropriate	High	Moderately Pleasing	Moderate
TC-10	Provides Limited	N/A	Impacted	Impacted	Impacted	Potential	Inappropriate	Moderate	Moderately Pleasing	Moderate
TC-11	Provides Limited	Impacted	N/A	Impacted	Not Present	Provides	Inappropriate	High	Pleasing	Moderate
TC-12	Provides Diverse	Intact	N/A	Intact	Intact	Potential	Inappropriate	Moderate	Pleasing	Moderate
TC-13	Provides Diverse	Intact	N/A	Intact	Intact	Provides	Potential	Moderate	Pleasing	Moderate

Table 1. Summary of Oregon Freshwater Wetland Assessment Methodology (OFWAM) Results for City of Sandy

Wetland Code	Wildlife Habitat (F)	Fish Habitat Streams (F)	Fish Habitat Lakes/Ponds (F)	Water Quality (F)	Hydrologic Control (F)	Education (F)	Recreation (F)	Enhancement Potential (C)	Aesthetic Quality(C)	Impact Sensitivity (C)
TC-14a	Provides Diverse	Intact	N/A	Intact	Intact	Potential	Potential	Moderate	Pleasing	Moderate
TC-14b	Provides Diverse	Intact	N/A	Intact	Intact	Provides	Inappropriate	Moderate	Moderately Pleasing	Moderate
TC-15	Provides Diverse	Intact	N/A	Intact	Intact	Potential	Provides	Moderate	Pleasing	Moderate
TC-16	Provides Diverse	Intact	N/A	Intact	Intact	Potential	Provides	Moderate	Pleasing	Moderate
TC-17	Provides Diverse	Intact	N/A	Intact	Intact	Potential	Potential	Moderate	Pleasing	Moderate
TC-18	Provides Limited	N/A	N/A	Impacted	Impacted	Potential	Inappropriate	High	Pleasing	Moderate
TC-19	Provides Limited	N/A	N/A	Impacted	Impacted	Potential	Inappropriate	Moderate	Pleasing	Moderate
TC-20	Provides Diverse	Intact	N/A	Intact	Intact	Potential	Inappropriate	Moderate	Pleasing	Moderate
TC-21a	Provides Diverse	Impacted	N/A	Intact	Intact	Potential	Inappropriate	High	Pleasing	Moderate
TC-21b	Provides Limited	Impacted	N/A	Intact	Intact	Potential	Inappropriate	Moderate	Pleasing	Moderate
TC-21c	Provides Limited	Impacted	N/A	Impacted	Impacted	Potential	Inappropriate	High	Moderately Pleasing	Moderate
TC-22	Provides Limited	N/A	N/A	Impacted	Impacted	Potential	Inappropriate	Moderate	Moderately Pleasing	Moderate
TC-23	Provides Diverse	Intact	N/A	Intact	Intact	Potential	Inappropriate	Moderate	Pleasing	Moderate
TC-24	Provides Limited	N/A	N/A	Not Present	Impacted	Potential	Inappropriate	Moderate	Pleasing	Moderate
TC-25	Provides Limited	N/A	N/A	Impacted	Impacted	Potential	Inappropriate	High	Pleasing	Moderate
TC-26	Provides Limited	N/A	N/A	Impacted	Impacted	Potential	Inappropriate	High	Pleasing	Moderate
TC-27	Provides Diverse	Intact	N/A	Intact	Impacted	Potential	Potential	Moderate	Pleasing	Moderate
TC-28	Provides Limited	N/A	Impacted	Impacted	Intact	Potential	Inappropriate	Moderate	Moderately Pleasing	Moderate

Table 1. Summary of Oregon Freshwater Wetland Assessment Methodology (OFWAM) Results for City of Sandy

TC-29	Provides Limited	Impacted	N/A	Impacted	Impacted	Potential	Provides	Moderate	Moderately Pleasing	Moderate
TC-30	Provides Limited	Intact	N/A	Intact	Intact	Potential	Provides	High	Pleasing	Moderate
TC-31	Provides Limited	Impacted	N/A	Impacted	Impacted	Potential	Potential	High	Pleasing	High
TC-32	Provides Limited	Impacted	N/A	Impacted	Impacted	Potential	Potential	Low	Pleasing	Moderate
TC-33	Provides Limited	N/A	N/A	Not Present	Impacted	Inappropriate	Inappropriate	Moderate	Moderately Pleasing	Moderate

functional levels are derived directly from the assessment summary forms included in the LWI for the City. More detailed information (individual OFWAM data sheets) should be consulted before making decisions regarding any wetland.

3.2 Wetlands of Special Interest for Protection

A subset of questions within OFWAM provides a method to assess whether any wetlands within the study area should be considered Wetlands of Special Interest for Protection (WSIP). An affirmative answer to any one of these questions (for instance, the presence of rare, threatened, or sensitive species) will place the wetland in a category for protection. WSIP assesses whether the wetland is currently in a management plan, is protected by regulatory rules or statutes, or is uncommon in Oregon. The OFWAM and WSIP screening questions assist in providing an overall evaluation of wetlands in the assessment area, and can be used in making management decisions for a site. Many of these WSIP questions are repeated in the locally significant criteria questionnaire (see next section), so the results are combined with the locally significant wetland results.

3.3 Locally Significant Wetland Assessment

The term "significant wetlands" has meaning in the context of Statewide Planning Goal 5. Under this Goal, local governments are instructed to identify their significant resources, including wetlands, so those resources serving significant functions in the local community are given proper consideration in planning decisions. The DSL established a technical advisory committee to develop the LSW criteria. It adopted the Oregon Administrative Rules for Identifying Significant Wetlands in January 1997 (141-86-300 through 141-86-350). The criteria rely heavily on the results of OFWAM.

3.4 Locally Significant Wetland Criteria Summary

A water resource is excluded from further assessment using the locally significant wetland criteria if it falls within one of two categories:

1. Wetlands artificially created entirely from upland that are:

    - created for the purpose of controlling, storing, or maintaining stormwater; or active surface mining or active log ponds; or ditches without a free and open connection to natural waters of the state (as defined in OAR 141-085-0010[9]) and which do not contain food or game fish (as defined in ORS 496.009); or

    - less than 1.0 acre in size and created unintentionally as the result of irrigation water overflow or leakage or construction activity not related to compensatory mitigation for permitted wetland impacts; or

- of any size for the purpose of wastewater treatment, cranberry production, farm- or stock-watering, settling of sediment, cooling industrial water, or as a golf course hazard.

2. Wetlands or portions of wetlands that are contaminated by hazardous substances, materials, or wastes as per the following conditions:

   - the wetland is documented as contaminated on either the U.S. Environmental Protection Agency's (EPA) National Priority List (also known as the "superfund list"), or the Department of Environmental Quality's (DEQ) Inventory of Hazardous Substance Sites (ORS 465.225), or

   - only the portion of the wetland affected by such hazardous substances or wastes shall be excluded from the LSW analysis; affected portions shall be delineated in consultation with EPA and DEQ, and shall include areas potentially disturbed by clean-up activities.

Wetlands not excluded by the above categories are evaluated using the locally significant criteria below.

A wetland is considered significant if it meets one or more of the following criteria:

- It has the highest rank for any of the four ecological functions addressed by OFWAM or an equivalent methodology (see Appendix B for more details on the ranking), including:

  - wildlife habitat,
  - fish habitat,
  - water quality, or
  - hydrologic control.

- It is (1) rated either in the highest or second highest category for water quality (in OFWAM or equivalent) AND (2) within 0.25 mile from a water quality limited stream, as listed by the DEQ.

- It contains one or more rare wetland plant communities, including those listed in the Oregon Natural Heritage Program's (ONHP's) *Classification and Catalog of Native Wetland Plant Communities in Oregon* (Christy 1993) as G1-G3 and S1-S3.

- It is inhabited by any species listed by the federal or state government as sensitive, threatened, or endangered in Oregon (unless consultation with an appropriate agency deems the site not important for the maintenance of the species).

- It has a direct surface water connection to a stream segment mapped by the Oregon Department of Fish and Wildlife as habitat for indigenous anadromous salmonids, and it has "intact" or "impacted or degraded" fish habitat function using OFWAM.

The final two criteria are at the discretion of the local government, but have direct connections to OFWAM results.

Optional Criterion (at discretion of local government): The wetland represents a *locally* unique plant community. The wetland is or contains the only representative within the UGB of a particular native plant community (listed in the ONHP's *Classification and Catalog of Native Wetland Plant Communities in Oregon)*. To be identified as an LSW, such a wetland also must score the highest or second highest rank for any of the four ecological functions addressed by OFWAM.

Optional Criterion (at discretion of local government): The wetland is publicly owned, scores the highest rank for educational potential, and a school or organization has a documented educational use for the wetland.

The City will be required to prepare local wetland protection ordinances to apply to locally significant wetlands. Additional wetlands may be protected based on other information, such as the results of the WSIP. Any wetlands not protected by local ordinances may still be under the jurisdiction of DSL and the Corps.

4. SIGNIFICANT WETLAND FINDINGS

4.1 Locally Significant Wetlands

Twenty-two wetlands totaling 47.12 acres meet OFWAM requirements for LSW (see Figure 1 and Table 2). Five of these wetlands also have characteristics that qualify them as WSIP.

Wetlands TC-04, TC-06, TC-12, TC-13, TC-14a, TC-14b, TC-15, TC-16, TC-17, TC-20, TC-21a, TC-23, TC-27, CC-2, and CC-3 qualify as LSW because they score the highest OFWAM rank for wildlife habitat quality (Provides Diverse Habitat), implying that they provide important opportunities for foraging, hiding, breeding, or other essential wildlife needs. These characteristics are based on the wetland's position in the landscape relative to development and surface water resources, and diversity of plant species and structure.

Wetlands TC-02, TC-03, TC-05, TC-06, TC12, TC13, TC14a, TC14b, TC15, TC16, TC17, TC20, TC 23, TC27, TC-30, and CC1 qualify as LSW because they score the highest OFWAM rank for fish habitat (Intact). At least three of the following criteria must be met to receive a high rank in this category: more than 75% of stream shaded by riparian vegetation; stream is natural or returning to natural physical character; stream contains more than 25% of instream structures; upstream is not water-quality limited; land use is exclusive forest or open space within 500 feet of the wetland edge; and salmon, trout, or sensitive species are present at some time during the year.

Wetlands TC-03, TC-06, TC-08, TC-12, TC-13, TC-14a, TC-14b, TC-15, TC-16, TC-17, TC-20, TC-21a, TC-21b, TC-23, TC-27, and TC-30 qualify as LSW because they score

Table 2. Significant Wetlands and Wetlands of Special Interest for Protection

Wetland Code	Results of Local Wetland Significance Assessment	Results of Wetlands of Special Interest for Protection Assessment
CC-01	Wetland scores the highest rank for fish habitat.	
CC-02	Wetland scores the highest rank for wildlife habitat.	
CC-03	Wetland scores the highest rank for wildlife habitat.	
TC-02	Wetland scores the highest rank for fish habitat.	
TC-03	Wetland scores the highest rank for fish habitat and water quality.	
TC-04	Wetland scores the highest rank for wildlife habitat.	
TC-05	Wetland scores the highest rank for fish habitat.	
TC-06	Wetland scores the highest rank for wildlife habitat, fish habitat, water quality, and hydrologic control.	
TC-08	Wetland scores the highest rank for water quality.	Wetland contains a protected mitigation site for a removal-fill permit, federal 404 fill permit, or enforcement action.
TC-12	Wetland scores the highest rank for wildlife habitat, fish habitat, water quality, and hydrologic control. Wetland is inhabited by species listed by the federal or state government as a sensitive, threatened, or endangered species in Oregon. Wetland is rated in either the highest or second-highest category for fish habitat in OFWAM and is adjacent to a stream segment that is mapped by the ODFW as habitat for "indigenous anadromous salmonids."	Wetland contains threatened, endangered, or sensitive fish species. Wetland designated as critical habitat or essential habitat for federal or state listed threatened or endangered fish species.
TC-13	Wetland scores the highest rank for wildlife habitat, fish habitat, water quality, and hydrologic control. Wetland is inhabited by species listed by the federal or state government as a sensitive, threatened, or endangered species in Oregon. Wetland rates in either the highest or second-highest category for fish habitat in OFWAM and is adjacent to a stream segment that is mapped by the ODFW as habitat for "indigenous anadromous salmonids."	Wetland contains threatened, endangered, or sensitive fish species. Wetland designated as critical habitat or essential habitat for federal or state listed threatened or endangered fish species.
TC-14a	Wetland scores the highest rank for wildlife habitat, fish habitat, water quality, and hydrologic control.	
TC-14b	Wetland scores the highest rank for wildlife habitat, fish habitat, water quality, and hydrologic control.	

Table 2: Continued

Wetland Code	Results of Local Wetland Significance Assessment	Results of Wetlands of Special Interest for Protection Assessment
TC-15	Wetland scores the highest rank for wildlife habitat, fish habitat, water quality, and hydrologic control. Wetland is inhabited by species listed by the federal or state government as a sensitive, threatened, or endangered species in Oregon. Wetland rates in either the highest or second-highest category for fish habitat in OFWAM and is adjacent to a stream segment that is mapped by the ODFW as habitat for "indigenous anadromous salmonids."	Wetland contains threatened, endangered, or sensitive fish species. Wetland designated as critical habitat or essential habitat for federal or state listed threatened or endangered fish species.
TC-16	Wetland scores the highest rank for wildlife habitat, fish habitat, water quality, and hydrologic control.	Wetland contains a protected mitigation site for a removal-fill permit, federal 404 fill permit, or enforcement action.
TC-17	Wetland scores the highest rank for wildlife habitat, fish habitat, water quality, and hydrologic control.	
TC-20	Wetland scores the highest rank for wildlife habitat, fish habitat, water quality, and hydrologic control.	
TC-21a	Wetland scores the highest rank for wildlife habitat, water quality, and hydrologic control.	
TC-21b	Wetland scores the highest rank for water quality and hydrologic control.	
TC-23	Wetland scores the highest rank for wildlife habitat, fish habitat, water quality, and hydrologic control.	
TC-27	Wetland scores the highest rank for wildlife habitat, fish habitat, and water quality.	
TC-30	Wetland scores the highest rank for fish habitat, water quality, and hydrologic control.	

the highest OFWAM rank for water quality (Intact). These wetlands have particularly valuable characteristics for maintaining the quality of water that passes through them. This implies that filling or draining these wetlands or degrading their vegetation could compromise their water quality functions.

Wetlands TC-06, TC-12, TC-13, TC-14a, TC-14b, TC-15, TC-16, TC-17, TC-20, TC-21a, TC-21b, TC-23, and TC-30 score the highest rank for hydrologic control (Intact). This implies that these wetlands serve valuable functions related to the control of surface water during heavy precipitation or high water events. To rank in the highest category for hydrologic control, a wetland must meet at least four of the following criteria: located in the 100-year floodplain; evidence of flooding or ponding; restricted flow of water out of the wetland; woody vegetation as the dominant vegetation cover type; residential/industrial development as the dominant land use within 500 feet of the downstream edge of the wetland; and urban/urbanizing as the dominant existing land use in the watershed upstream from the area.

Wetlands TC-12, TC-13, and TC-15 are considered LSW because they score the highest or second-highest OFWAM rank for fish habitat (Intact or Impacted) and are adjacent to segments of Tickle Creek, mapped as habitat for indigenous anadromous salmonids.

Wetlands TC-12, TC-13, and TC-15 qualify as LSW because they are inhabited by species listed by the federal or state government as sensitive, threatened, or endangered in Oregon. These wetlands also qualify as WSIP because they contain sensitive, threatened, or endangered fish species, or are designated as critical or essential habitat for threatened or endangered fish species.

Wetlands TC-08 and TC-16 qualify as LSW because they contain protected wetland mitigation sites for removal and fill permits, federal 404 fill permits, or enforcement action.

Wetlands SR-1, TC-01, TC-07, TC-09, TC-10, TC-11, TC-18, TC-19, TC-22, TC-24, TC-25, TC-26, TC-28, TC-29, TC-31, TC-32, and CC-04 do not meet any criteria for identification as an LSW. Their position in the landscape, vegetation, and hydrologic and spatial characteristics prevent them from being ranked high enough to qualify as a LSW in any category.

Of the 40 wetlands assessed in the study area, seven have been delineated in whole or in part (SR-1, TC-08, TC-12, TC-14b, TC-15, TC-16, TC-33). Permitted activity has occurred in TC-08, TC-14b, TC-15, and TC-16. However, most of the wetlands in the study area did not have documentation of wetland delineations or permitted activities and assessment was based on the LWI and data collected while conducting the stream and riparian assessment study.

4.2 Distribution and Character of Significant Wetlands

Palustrine forested wetlands comprise the majority of wetlands mapped in the inventory. These wetlands range in their distribution across the study site from associations with the major stream drainages to more isolated sites in topographically low areas or near the bottom of slopes. Extensive segments of the Tickle Creek and No-Name Creek stream corridors, unnamed tributaries north of Highway 26, and tributaries of Cedar Creek contain forested wetland. Western red cedar (*Thuja plicata*) and red alder (*Alnus rubra*) are the predominant tree species observed in the forested wetlands.

Palustrine scrub/shrub wetlands were observed at locations spaced widely across the study area. These wetlands often are located adjacent to the low gradient streams within the study area, where they are an important component of the larger mosaic of forested wetland/riparian habitat. The largest scrub/shrub wetlands are located north of Highway 26 in wetlands TC-03 and TC-06, along No-Name-Creek (TC-14a and TC-14b), and adjacent to Tickle Creek (TC-12, TC-13, TC-15, TC-16, TC-17, TC-20, TC-23, and TC-27). Scrub/shrub wetlands within the study area are predominantly composed of woody vegetation such as salmonberry (*Rubus spectabilis*), Douglas' spirea (*Spiraea douglasii*), Pacific ninebark (*Physocarpus capitatus*), and willow (*Salix* spp.).

Palustrine emergent wetlands are more limited in area within the UGB. They were typically observed as wetland fringe areas along the creeks or interspersed within scrub/shrub and forested wetland. The largest emergent wetlands are wet meadow areas in the northwestern corner of the study site (TC-04 and TC-06) and marshy areas adjacent to No-Name-Creek (TC-14a and TC-14b). Grasses, sedges, and rushes dominate the emergent wetland areas.

5. SUMMARY

Sandy's Goal 5 significant wetlands determination has been completed in compliance with guidance from the DSL that governs LWIs. The resulting LSW map augments the wetlands mapping from the LWI, providing locational information about significant wetlands that can be used by the City to make informed planning decisions.

The study area includes 2,400 acres within the UGB of the City. Of 40 palustrine wetlands assessed, 22 met the criteria for LSW. These 22 total 47.12 acres.

Sandy's wetlands and riparian areas have been affected to some degree by a variety of activities, including agriculture, development, and forest products processing. Each of the wetlands continues to serve important functions associated with fish and wildlife habitat, water quality, hydrologic control, and quality of life.

6. REFERENCES

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Appendix A

Significant Wetlands Determination Section Maps

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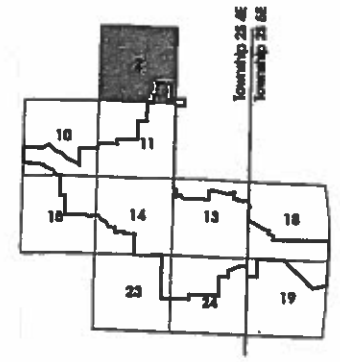
T 2S R 4E Section 02

CITY OF SANDY
LOCALLY SIGNIFICANT WETLAND INVENTORY AND LOCAL WETLAND INVENTORY UPDATE

June 2002

LEGEND

- Wetland
- Locally significant wetland
- TC18 — Wetland/stream designator
- DSL Det# XX-XXXX — DSL reference number
- Perennial stream
- Intermittent stream
- Urban Growth Boundary
- Section line



1 acre
1/2 acre
1/10th acre

N

0 600

Approximate Scale in Feet

WETLAND INFORMATION IS SUBJECT TO CHANGE
This map is for planning purposes only. Mapped wetland boundaries were not flagged or surveyed (unless noted as a delineation study.) There may be exceptions of unmapped wetlands subject to regulation. In all cases, actual field conditions determined wetland boundaries. All wetland boundaries were mapped in the field on aerial photographs at a scale of within 25' on the aerial photographs. Wetland boundaries that were delineated and concurred by the Oregon Division of State Lands since the 1997 Local Wetland Inventory were added or modified on these maps.

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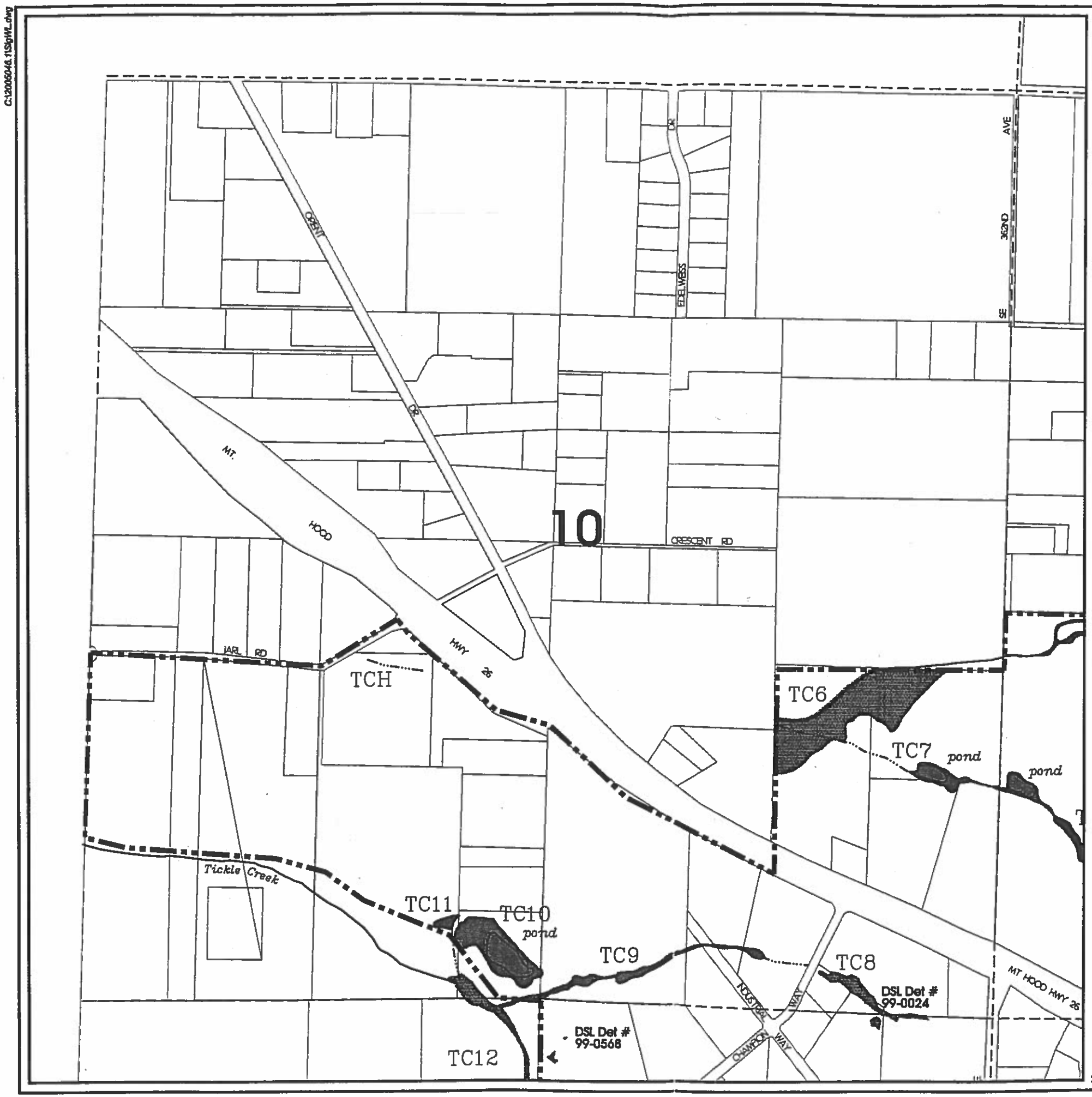
T 2S R 4E Section 10

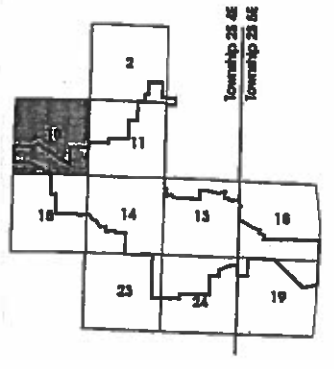
CITY OF SANDY
LOCALLY SIGNIFICANT WETLAND INVENTORY AND LOCAL WETLAND INVENTORY UPDATE

June 2002



LEGEND

- Wetland
- Locally significant wetland
- TC18 — Wetland/stream designator
- DSL Det# XX-XXXX — DSL reference number
- Perennial stream
- Intermittent stream
- Urban Growth Boundary
- Section line



1 acre
1/2 acre
1/10th acre

N

0 600
Approximate Scale in Feet

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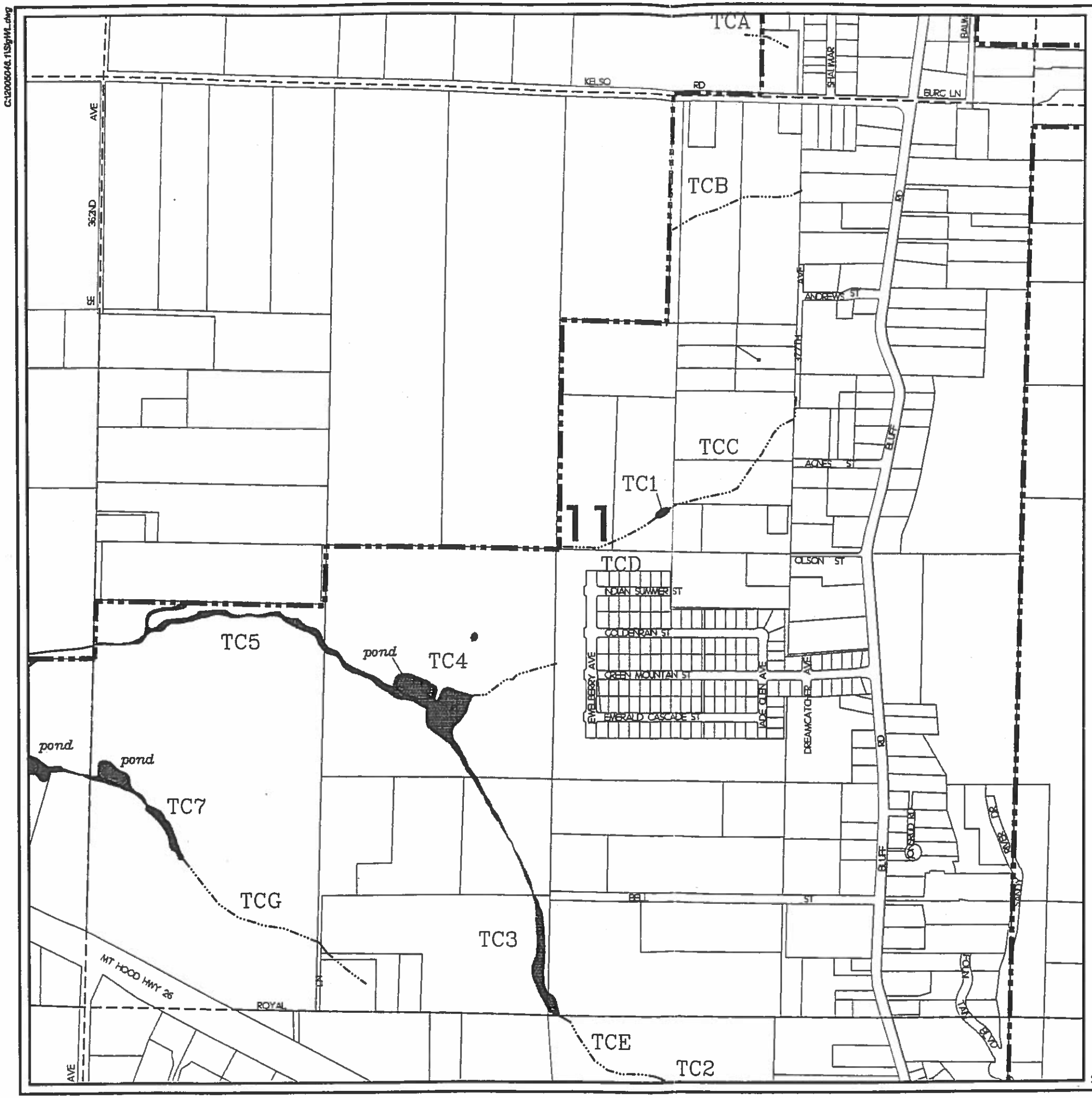
T 2S R 4E Section 11

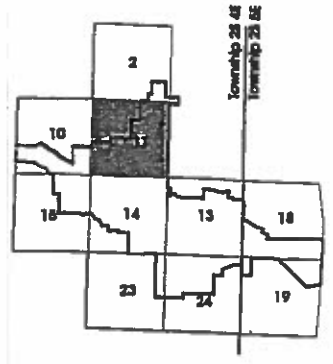
CITY OF SANDY
LOCALLY SIGNIFICANT WETLAND INVENTORY AND LOCAL WETLAND INVENTORY UPDATE

June 2002



LEGEND

- Wetland
- Locally significant wetland
- TC18 — Wetland/stream designator
- DSL Det# XX-XXXX — DSL reference number
- Perennial stream
- Intermittent stream
- Urban Growth Boundary
- Section line



1 acre
1/2 acre
1/10th acre

N

0 600
Approximate Scale in Feet

WETLAND INFORMATION IS SUBJECT TO CHANGE
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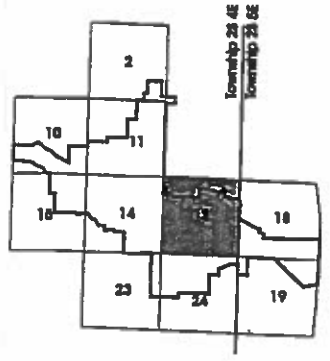
T 2S R 4E Section 13

CITY OF SANDY
LOCALLY SIGNIFICANT WETLAND INVENTORY AND LOCAL WETLAND INVENTORY UPDATE

June 2002

LEGEND

- Wetland
- Locally significant wetland
- TC18 — Wetland/stream designator
- DSL Det# XX-XXXX — DSL reference number
- Perennial stream
- Intermittent stream
- Urban Growth Boundary
- Section line



1 acre
1/2 acre
1/10th acre

N

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Approximate Scale in Feet

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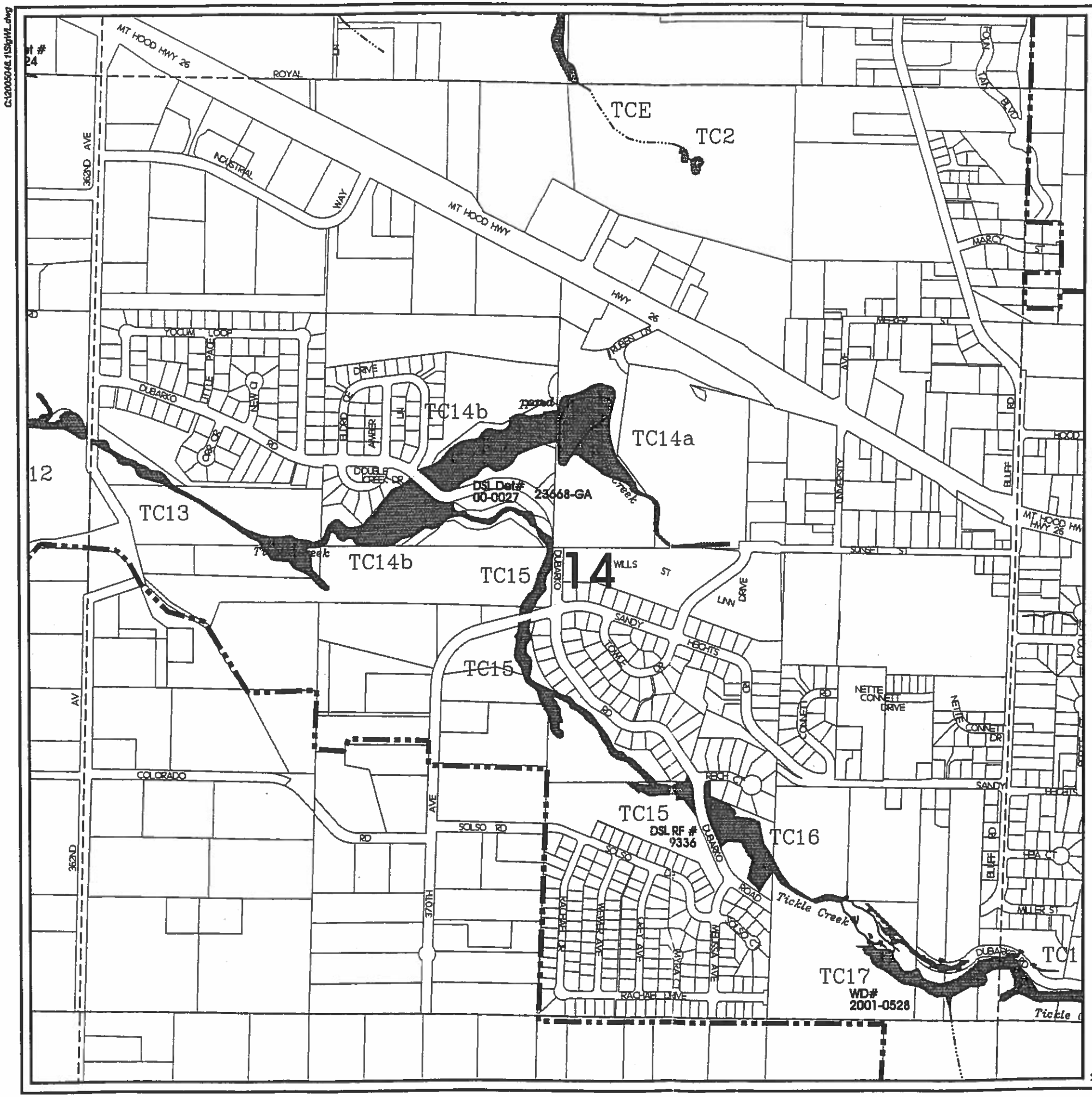
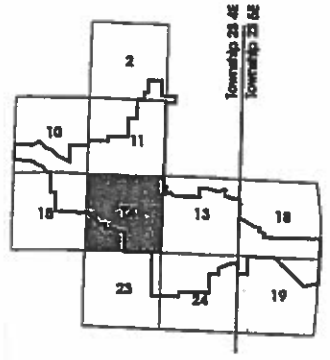
T 2S R 4E Section 14

CITY OF SANDY
LOCALLY SIGNIFICANT WETLAND INVENTORY AND LOCAL WETLAND INVENTORY UPDATE

June 2002





1 acre
1/2 acre
1/10th acre

0 600
Approximate Scale in Feet

LEGEND

- Wetland
- Locally significant wetland
- TC18 — Wetland/stream designator
- DSL Det# XX-XXXX — DSL reference number
- Perennial stream
- Intermittent stream
- Urban Growth Boundary
- Section line

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TC9

TC8

DSL Det # 99-0024

MT HOOD HWY

ADSTRAL WAY

CHAMPION WAY

362ND AVE

TC12

DSL Det # 99-0568

Tickle Creek

DSL Det # 99-0568

BARNUM RD

DUBARK

SKOCAN RD

Tickle Creek

TC12

15

TC1

SKOCAN RD

AV

COLORADO RD

COLORA

362ND

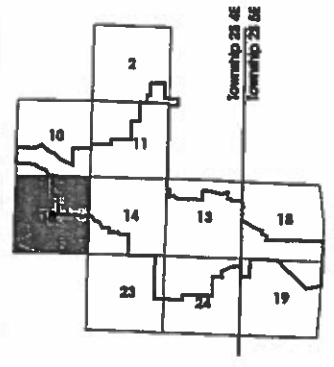
T 2S R 4E Section 15

CITY OF SANDY LOCALLY SIGNIFICANT WETLAND INVENTORY AND LOCAL WETLAND INVENTORY UPDATE

June 2002

LEGEND

- Wetland
- Locally significant wetland
- TC18 — Wetland/stream designator
- DSL Det# XX-XXXX — DSL reference number
- Perennial stream
- Intermittent stream
- Urban Growth Boundary
- Section line



1 acre
1/2 acre
1/10th acre

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0 600

Approximate Scale in Feet

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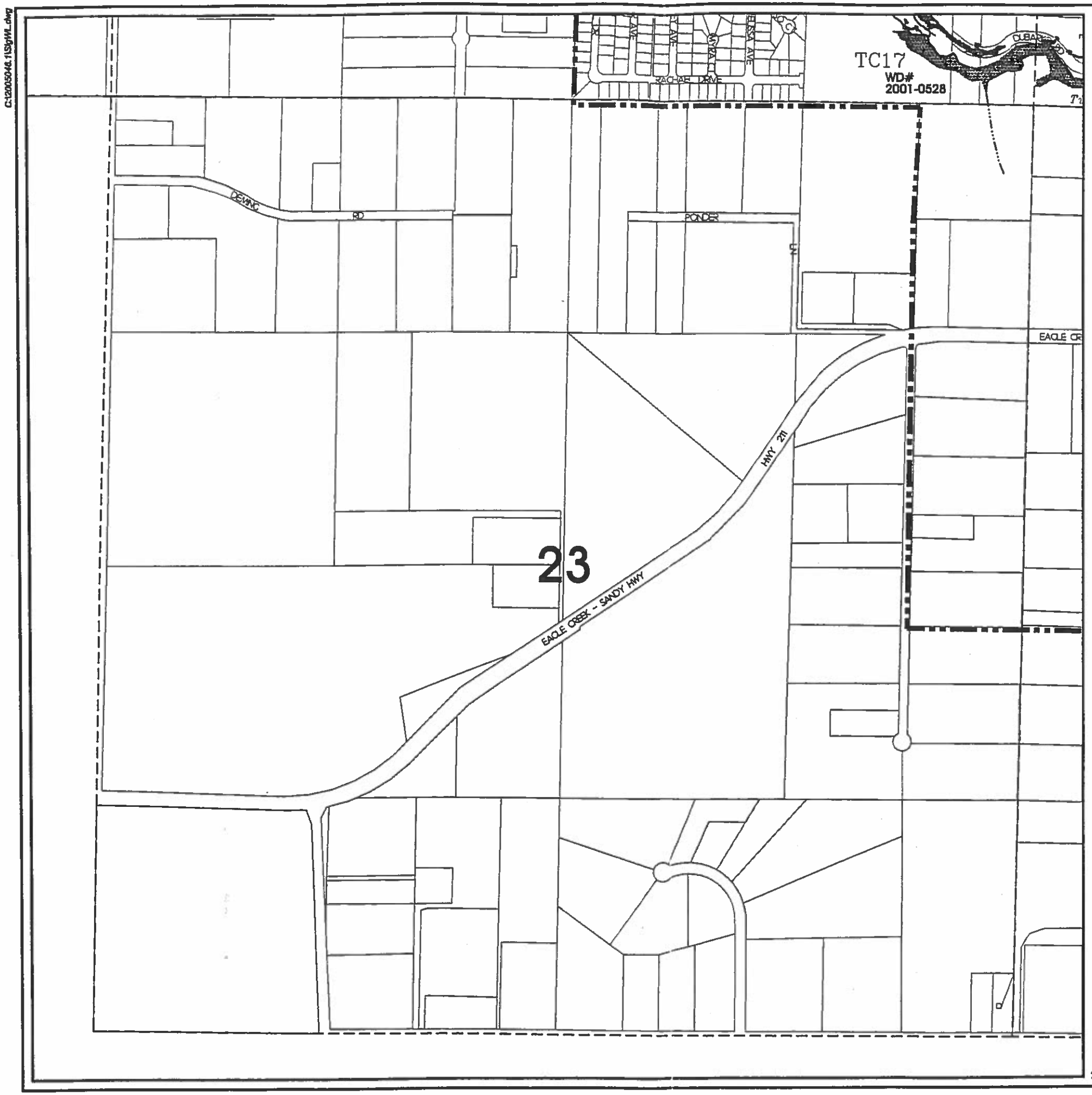


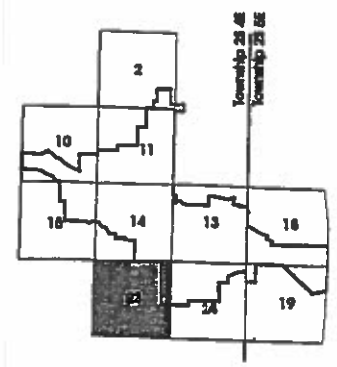
T 2S R 4E Section 23

CITY OF SANDY
LOCALLY SIGNIFICANT WETLAND INVENTORY AND LOCAL WETLAND INVENTORY UPDATE

June 2002

LEGEND

- Wetland
- Locally significant wetland
- TC18 — Wetland/stream designator
- DSL Det# XX-XXXX — DSL reference number
- Perennial stream
- Intermittent stream
- Urban Growth Boundary
- Section line



1 acre
1/2 acre
1/10th acre

N

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Approximate Scale in Feet

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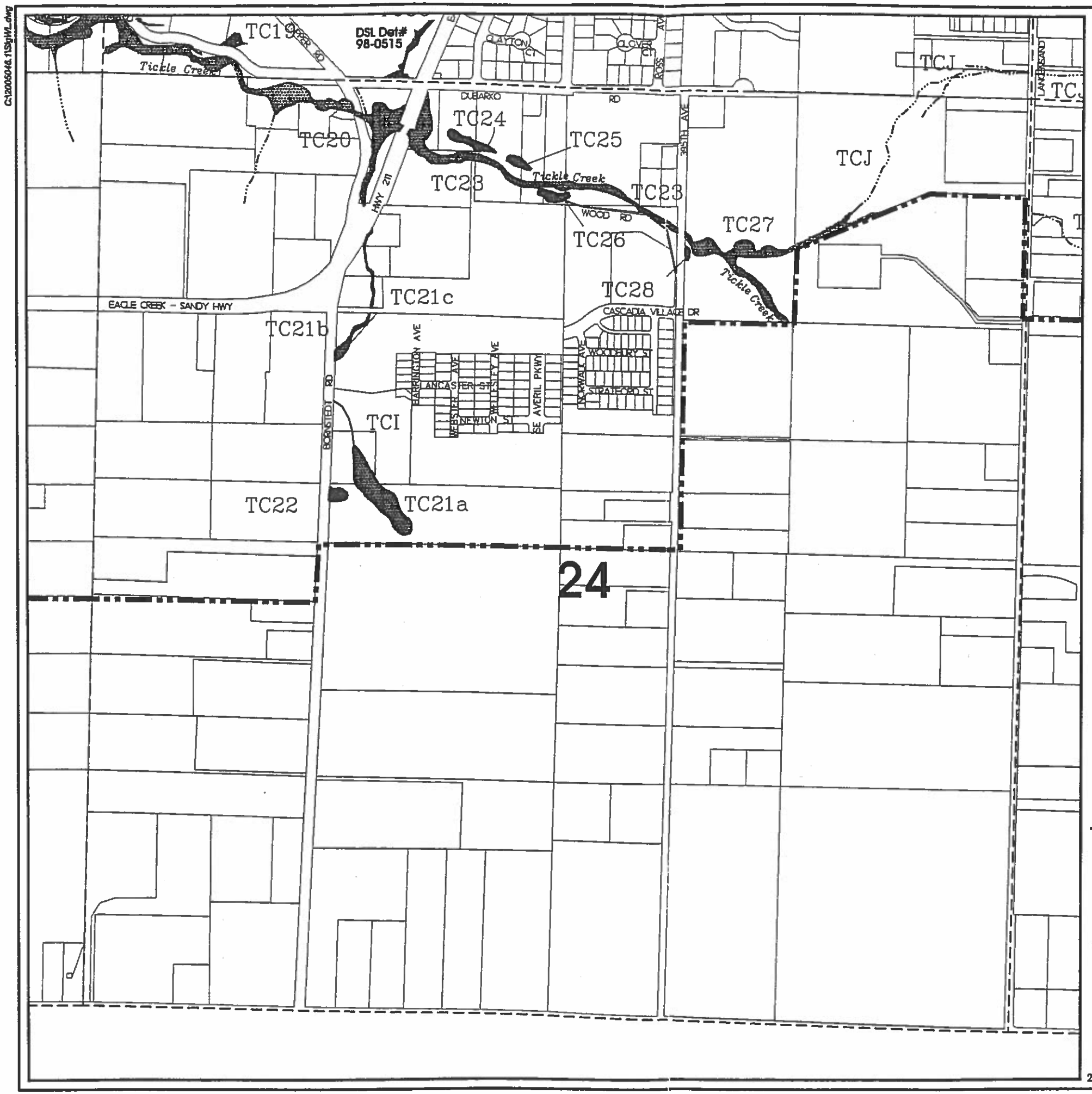


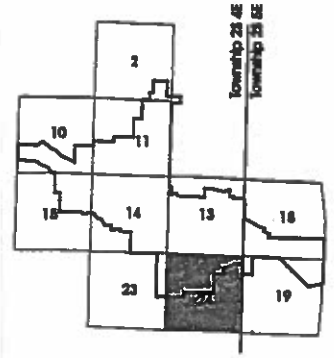
T 2S R 4E Section 24

CITY OF SANDY
LOCALLY SIGNIFICANT WETLAND INVENTORY AND LOCAL WETLAND INVENTORY UPDATE

June 2002

LEGEND

- Wetland
- Locally significant wetland
- TC18 — Wetland/stream designator
- DSL Det# XX-XXXX — DSL reference number
- Perennial stream
- Intermittent stream
- Urban Growth Boundary
- Section line



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1/10th acre

N

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Approximate Scale in Feet

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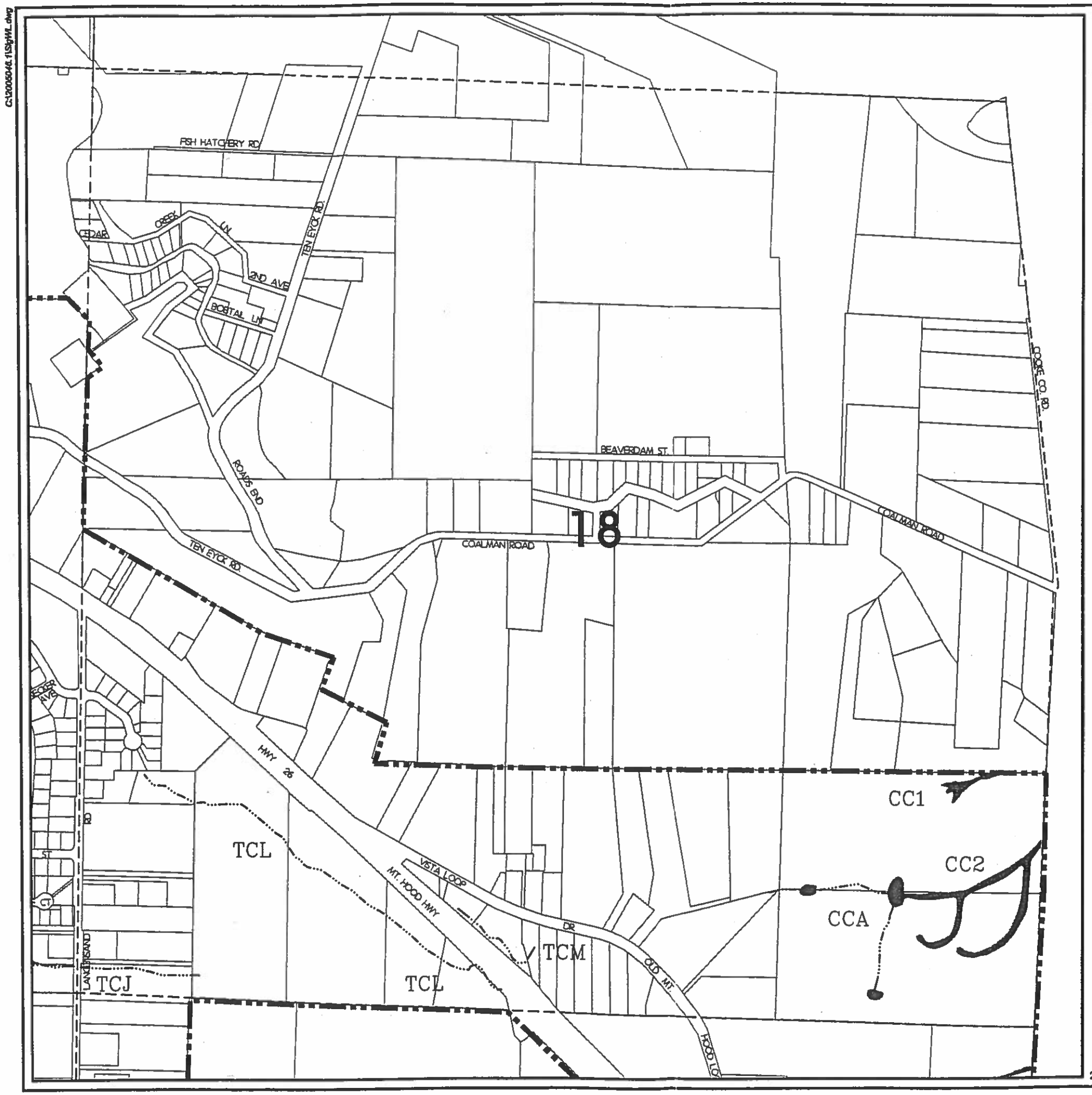


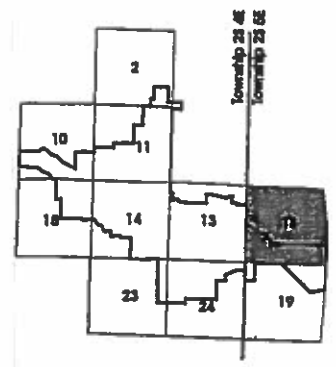
T 2S R 5E Section 18

CITY OF SANDY
LOCALLY SIGNIFICANT WETLAND INVENTORY AND LOCAL WETLAND INVENTORY UPDATE

June 2002

LEGEND

- Wetland
- Locally significant wetland
- TC18 — Wetland/stream designator
- DSL Det# XX-XXXX — DSL reference number
- Perennial stream
- Intermittent stream
- Urban Growth Boundary
- Section line



1 acre
1/2 acre
1/10th acre

N

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Approximate Scale in Feet

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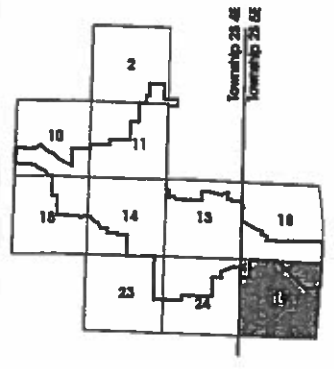
T 2S R 5E Section 19

CITY OF SANDY
LOCALLY SIGNIFICANT WETLAND INVENTORY AND LOCAL WETLAND INVENTORY UPDATE

June 2002

LEGEND

- Wetland
- Locally significant wetland
- TC18 — Wetland/stream designator
- DSL Det# XX-XXXX — DSL reference number
- Perennial stream
- Intermittent stream
- Urban Growth Boundary
- Section line



1 acre
1/2 acre
1/10th acre

0 600
Approximate Scale in Feet

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Appendix B

Local Wetlands Significance Assessment and Wetlands of Special Interest for Protection Answer Sheets

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: CC-01

Question 1	B *List:*
Question 2	B *List:*
Question 3	B *List:*
Question 4	B *List:*
Question 5	B
Question 6	B
Question 7	B *List:*
Question 8	B
Question 9	B
Question 10	B

Sandy
Local Wetland Significance Assessment

WetlandCode: CC-01

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **Yes** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: CC-02

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: CC-02

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **Yes** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: CC-03

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: CC-03

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **Yes** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: CC-04

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	10/02/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	SR-1	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams	Fish Habitat Lakes/Ponds	Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	C	Q1:	Q1:	Q1:	A	Q1:	B	Q1:	A
Q2:	A	Q2:	Q2:	Q2:	A	Q2:	A	Q2:	B
Q3:	C	Q3:	Q3:	Q3:	C	Q3:	C	Q3:	C
Q4:	C	Q4:	Q4:	Q4:	C	Q4:	B	Q4:	A
Q5:	B	Q5:	Q5:	Q5:	A	Q5:	A	Q5:	A
Q6:	B	Q6:	Q6:	Q6:	C	Q6:	C	Q6:	A
Q7:	A					Q7:	A		
Q8:	C								
Q9a:									
Q9b:	A								

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	B	Q1:	C	Q1:	C	Q1:	C
Q2:	A	Q2:	A	Q2:	C	Q2:	B
Q3:	A	Q3:	B	Q3:	C	Q3:	B
Q4:	C	Q4:	B	Q4:	B	Q4:	B
Q5a:		Q5:	C	Q5:	B	Q5:	A
Q5b:	A	Q6:	B	Q6:	B	Q6:	A
Q6:	B						

Wildlife Habitat:	The wetland provides habitat for some wildlife species.
Fish Habitat - Streams:	N/A
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is impacted or degraded.
Hydrologic Control:	The wetland's hydrologic control function is impacted or degraded.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	The wetland has moderate potential for enhancement.
Education:	The wetland site is not appropriate for educational use.
Recreation:	The wetland is not appropriate for or does not provide recreational opport
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	SR-1	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides habitat for some wildlife species.	One Cowardin wetland class with 5 or fewer plant species. Woody vegetation is dominant vegetation cover. Low degree of Cowardin class interspersion. Less than 0.5 acre of unvegetated open water present. Wetland not connected to another body of water, but water within 1 mile. Wetland not connected to other wetlands, but within 3 mile radius of other wetlands. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. More than 40% of wetland edge bordered by veg. buffer 25 or more feet wide.
Fish Habitat - Streams	N/A	
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is impacted or degraded.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. Low (<60%) degree of wetland vegetation cover. Less than 0.5 acre and wetland is not connected to other wetland within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. Upstream not listed as water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is impacted or degraded.	No part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is less than 0.5 acre. Minor restrictions slow down waterflow out of the wetland. Woody vegetation is dominant cover type. Exclusive Forest Use or Open Space within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	Stream flow or bank has been modified by human activities within 1 mile above wetland. Water is not being taken out of streams through active diking, drainage, or irrigation districts upstream. Upstream not listed as water quality limited in watershed upstream of the or adjacent to the wetland. Residential/industrial (developed) land use within 500 feet of wetland's edge. Dominant Residential/Industrial (developed) land use within 500 feet of wetland's edge. Woody vegetation is the dominant cover.
Enhancement Potential	The wetland has moderate	Wetland has lost one or more functions or one

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	SR-1	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
	potential for enhancement.	or more functions is not present in assessment results for wildlife habitat, fish habitat, water quality and hydrologic control. Wetland's primary source of water is surface flow, including streams and ditches. Water flow into wetland is not restricted, but if blocked, obstruction can be removed easily. Wetland's area is less than 0.5 acre. More than 40% of wetland's edge is bordered by a vegetative buffer 25 or more feet wide. Wetland is potentially sensitive to future impacts.
Education	The wetland site is not appropriate for educational use.	Wetland site is not open to the public for direct access or observation. There are no visible hazards to the public at the wetland site. Provides wildlife habitat for some species, or fish habitat is impacted or degraded. There is no existing physical public access to other features, but observation of other features can be made. There is not an existing access point within 250 feet of the wetland's edge (if existing-hazardous). Access is not available for limited mobility.
Recreation	The wetland is not appropriate for or does not provide recreational opportunities.	There is not an existing access point within 250 feet of the wetland's edge (if existing-hazardous). Wetland not accessible by boat-no boat launch within 1 mile/ cannot develop. No existing trails and viewing areas to guide user or if created, would disrupt wildlife or plant habitat. Wetland provides habitat for some species. Fishing is not allowed at wetland or adjacent water body (or not applicable). Hunting is not allowed at the wetland.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	One Cowardin class is visible from primary viewing area(s). Between 25 and 50% of wetland is visible from viewing area(s). General appearance of wetland has visual detractors, which can be removed easily. Visual character with surrounding area is landscaped or manipulated by people. Natural, pleasant odors are present at primary viewing location. Some traffic and other similar sounds and natural sounds are audible at primary viewing locations.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: SR-1

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: SR-1

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: CC-04

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Local Wetland Significance Assessment

WetlandCode: SR-1

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- No wildlife habitat,
- No fish habitat,
- No water quality,
- No hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-01

A. "OUT" Test

Yes Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland does NOT meet the criteria for identification as a Local Significant Wetland

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-02

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-02

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **Yes** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

Yes OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-03

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-03

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **Yes** fish habitat,
- **Yes** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-04

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-04

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **Yes** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-05

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-05

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **Yes** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-06	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	A	Q1:	A	Q1:		Q1:	A	Q1:	B	Q1:	
Q2:	A	Q2:	A	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	B	Q3:	C	Q3:		Q3:	A	Q3:	A	Q3:	
Q4:	C	Q4:	A	Q4:		Q4:	B	Q4:	B	Q4:	
Q5:	A	Q5:	B	Q5:		Q5:	B	Q5:	A	Q5:	
Q6:	A	Q6:	B	Q6:		Q6:	A	Q6:	C	Q6:	
Q7:	A							Q7:	A		
Q8:	A										
Q9a:											
Q9b:	A										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	N/A	Q1:		Q1:		Q1:	
Q2:	N/A	Q2:		Q2:		Q2:	
Q3:	N/A	Q3:	A	Q3:		Q3:	
Q4:	N/A	Q4:		Q4:	A	Q4:	
Q5a:	N/A	Q5:		Q5:		Q5:	
Q5b:	N/A	Q6:		Q6:		Q6:	
Q6:	N/A						

Wildlife Habitat:	The wetland provides diverse wildlife habitat.
Fish Habitat - Streams:	The wetland's fish habitat function is intact.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is intact.
Hydrologic Control:	The wetland's hydrologic control function is intact.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	N/A
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-06	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides diverse wildlife habitat.	Two or more Cowardin wetland classes. Woody vegetation is dominant vegetation cover. Moderate degree of Cowardin class interspersion. Less than 0.5 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Exclusive Forest use or Open Space within 500 feet of wetland edge. More than 40% of wetland edge bordered by veg. buffer 25 or more feet wide.
Fish Habitat - Streams	The wetland's fish habitat function is intact.	More than 75% of stream shaded by riparian vegetation. Stream channel natural/returning to natural physical character. Stream contains less than 10% of instream structures. Upstream not listed as water quality limited. Agricultural land use within 500 ft of wetland edge. Non-Salmonid, non-sensitive fish species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is intact.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. Between 0.5 and 5 acres of wetland connected to other wetlands within a 3 mile radius. Agricultural land use within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is intact.	No part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is more than 5 acres. Minor restrictions slow down waterflow out of the wetland. Woody vegetation is dominant cover type. Exclusive Forest Use or Open Space within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	N/A	
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-06	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
		diverse Wildlife Habitat, or Fish Habitat function is intact.
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides diverse wildlife habitat.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-06

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-06

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **Yes** wildlife habitat,
- **Yes** fish habitat,
- **Yes** water quality,
- **Yes** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-07

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-07

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-08

This is potentially a Wetland of Special Interest for Protection.

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**A**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-08

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **No** fish habitat,
- **Yes** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-09	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds	Water Quality		Hydrologic Control		Sensitivity to Impact
Q1:	B	Q1:	B	Q1:	Q1:	A	Q1:	B	Q1:
Q2:	B	Q2:	C	Q2:	Q2:	A	Q2:	A	Q2:
Q3:	C	Q3:	C	Q3:	Q3:	B	Q3:	B	Q3:
Q4:	B	Q4:	A	Q4:	Q4:	B	Q4:	A	Q4:
Q5:	A	Q5:	B	Q5:	Q5:	B	Q5:	B	Q5:
Q6:	A	Q6:	B	Q6:	Q6:	A	Q6:	C	Q6:
Q7:	A						Q7:	A	
Q8:	B								
Q9a:									
Q9b:	B								

Enhancement Potential		Education		Recreation		Aesthetic Quality
Q1:	B	Q1:		Q1:		Q1:
Q2:		Q2:		Q2:		Q2:
Q3:		Q3:	B	Q3:		Q3:
Q4:		Q4:		Q4:	B	Q4:
Q5a:		Q5:		Q5:		Q5:
Q5b:		Q6:		Q6:		Q6:
Q6:	B					

Wildlife Habitat:	The wetland provides habitat for some wildlife species.
Fish Habitat - Streams:	The wetland's fish habitat function is impacted or degraded.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is impacted or degraded.
Hydrologic Control:	The wetland's hydrologic control function is impacted or degraded.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	The wetland has moderate potential for enhancement.
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-09	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides habitat for some wildlife species.	One Cowardin wetland class with more than 5 plant species. Emergent veg. & ponding or open water only. Low degree of Cowardin class interspersion. Between 0.5 and 1 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Agricultural land use within 500 feet of wetland edge.
Fish Habitat - Streams	The wetland's fish habitat function is impacted or degraded.	Between 50 and 75% of stream shaded by riparian vegetation. Physical character of stream channel extensively modified/piped. Stream contains less than 10% of instream structures. Upstream not listed as water quality limited. Agricultural land use within 500 ft of wetland edge. Non-Salmonid, non-sensitive fish species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is impacted or degraded.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. Moderate (approx. 60%) degree of wetland vegetation cover. Between 0.5 and 5 acres of wetland connected to other wetlands within a 3 mile radius. Agricultural land use within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is impacted or degraded.	No part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is between 0.5 and 5 acres. Waterflow out of wetland is restricted or no outlet. Emergent veg. and ponding , or open water only is dominant cover type. Exclusive Forest Use or Open Space within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	The wetland has moderate potential for enhancement.	Wetland has lost one or more functions or one or more functions is not present in assessment results for wildlife habitat, fish habitat, water quality and hydrologic control. Wetland is potentially sensitive to future impacts.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-09	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Education	The wetland has potential for educational use.	Provides wildlife habitat for some species, or fish habitat is impacted or degraded.
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides habitat for some species.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-09

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-09

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-10

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-10

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-11

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-11

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- No wildlife habitat,
- No fish habitat,
- No water quality,
- No hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-12	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	A	Q1:	A	Q1:		Q1:	A	Q1:	A	Q1:	
Q2:	A	Q2:	A	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	C	Q3:	B	Q3:		Q3:	A	Q3:	B	Q3:	
Q4:	A	Q4:	A	Q4:		Q4:	B	Q4:	A	Q4:	
Q5:	A	Q5:	A	Q5:		Q5:	C	Q5:	A	Q5:	
Q6:	A	Q6:	A	Q6:		Q6:	A	Q6:	C	Q6:	
Q7:	A							Q7:	A		
Q8:	A										
Q9a:											
Q9b:	A										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	N/A	Q1:		Q1:		Q1:	
Q2:	N/A	Q2:		Q2:		Q2:	
Q3:	N/A	Q3:	A	Q3:		Q3:	
Q4:	N/A	Q4:		Q4:	A	Q4:	
Q5a:	N/A	Q5:		Q5:		Q5:	
Q5b:	N/A	Q6:		Q6:		Q6:	
Q6:	N/A						

Wildlife Habitat:	The wetland provides diverse wildlife habitat.
Fish Habitat - Streams:	The wetland's fish habitat function is intact.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is intact.
Hydrologic Control:	The wetland's hydrologic control function is intact.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	N/A
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-12	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides diverse wildlife habitat.	Two or more Cowardin wetland classes. Woody vegetation is dominant vegetation cover. Low degree of Cowardin class interspersion. More than 1 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Exclusive Forest use or Open Space within 500 feet of wetland edge. More than 40% of wetland edge bordered by veg. buffer 25 or more feet wide.
Fish Habitat - Streams	The wetland's fish habitat function is intact.	More than 75% of stream shaded by riparian vegetation. Stream channel natural/returning to natural physical character. Stream contains between 10 and 25% of instream structures. Upstream not listed as water quality limited. Exclusive Forest use or Open Space within 500 ft of wetland edge. Salmon, trout, or sensitive species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is intact.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. Between 0.5 and 5 acres of wetland connected to other wetlands within a 3 mile radius. Exclusive Forest use or Open Space within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is intact.	All or part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is between 0.5 and 5 acres. Waterflow out of wetland is restricted or no outlet. Woody vegetation is dominant cover type. Exclusive Forest Use or Open Space within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	N/A	

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-12	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat function is intact.
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides diverse wildlife habitat.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-12

This is potentially a Wetland of Special Interest for Protection.

Question 1	**A** *List:* Coho salmon, Steelhead, Cutthroat trout
Question 2	**A** *List:* Coho salmon, Steelhead, Cutthroat trout
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-12

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **Yes** wildlife habitat,
- **Yes** fish habitat,
- **Yes** water quality,
- **Yes** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

Yes Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

Yes Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-13	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	A	Q1:	A	Q1:		Q1:	A	Q1:	A	Q1:	
Q2:	A	Q2:	A	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	C	Q3:	B	Q3:		Q3:	A	Q3:	B	Q3:	
Q4:	A	Q4:	A	Q4:		Q4:	B	Q4:	A	Q4:	
Q5:	A	Q5:	C	Q5:		Q5:	A	Q5:	C	Q5:	
Q6:	A	Q6:	A	Q6:		Q6:	A	Q6:	C	Q6:	
Q7:	A							Q7:	A		
Q8:	B										
Q9a:											
Q9b:	B										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	N/A	Q1:		Q1:		Q1:	
Q2:	N/A	Q2:		Q2:		Q2:	
Q3:	N/A	Q3:	A	Q3:		Q3:	
Q4:	N/A	Q4:		Q4:	A	Q4:	
Q5a:	N/A	Q5:		Q5:		Q5:	
Q5b:	N/A	Q6:		Q6:		Q6:	
Q6:	N/A						

Wildlife Habitat:	The wetland provides diverse wildlife habitat.
Fish Habitat - Streams:	The wetland's fish habitat function is intact.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is intact.
Hydrologic Control:	The wetland's hydrologic control function is intact.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	N/A
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode: TC-13 **ProjectNumber:** 2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides diverse wildlife habitat.	Two or more Cowardin wetland classes. Woody vegetation is dominant vegetation cover. Low degree of Cowardin class interspersion. More than 1 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Agricultural land use within 500 feet of wetland edge.
Fish Habitat - Streams	The wetland's fish habitat function is intact.	More than 75% of stream shaded by riparian vegetation. Stream channel natural/returning to natural physical character. Stream contains between 10 and 25% of instream structures. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. Salmon, trout, or sensitive species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is intact.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. Between 0.5 and 5 acres of wetland connected to other wetlands within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is intact.	All or part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is between 0.5 and 5 acres. Waterflow out of wetland is restricted or no outlet. Emergent veg. or wet meadow is dominant cover type. Exclusive Forest Use or Open Space within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	N/A	
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat function is intact.
Recreation	The wetland has the	Wetland provides diverse wildlife habitat.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-13	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
	potential to provide recreational opportunities.	
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-13

This is potentially a Wetland of Special Interest for Protection.

Question 1	**A** *List:* Coho salmon, Steelhead, Cutthroat trout
Question 2	**A** *List:* Coho salmon, Steelhead, Cutthroat trout
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-13

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **Yes** wildlife habitat,
- **Yes** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

Yes Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

Yes Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-14a	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds	Water Quality		Hydrologic Control		Sensitivity to Impact
Q1:	A	Q1:	A	Q1:	Q1:	A	Q1:	B	Q1:
Q2:	A	Q2:	B	Q2:	Q2:	A	Q2:	A	Q2:
Q3:	B	Q3:	A	Q3:	Q3:	A	Q3:	B	Q3:
Q4:	A	Q4:	A	Q4:	Q4:	B	Q4:	A	Q4:
Q5:	A	Q5:	C	Q5:	Q5:	A	Q5:	A	Q5:
Q6:	A	Q6:	A	Q6:	Q6:	A	Q6:	A	Q6:
Q7:	A						Q7:	A	
Q8:	C								
Q9a:									
Q9b:	A								

Enhancement Potential		Education		Recreation		Aesthetic Quality
Q1:	N/A	Q1:		Q1:		Q1:
Q2:	N/A	Q2:		Q2:		Q2:
Q3:	N/A	Q3:	A	Q3:		Q3:
Q4:	N/A	Q4:		Q4:	A	Q4:
Q5a:	N/A	Q5:		Q5:		Q5:
Q5b:	N/A	Q6:		Q6:		Q6:
Q6:	N/A					

Wildlife Habitat:	The wetland provides diverse wildlife habitat.
Fish Habitat - Streams:	The wetland's fish habitat function is intact.
Fish Habitat - Lakes/Ponds	N/A
Water Quality:	The wetland's water quality function is intact.
Hydrologic Control:	The wetland's hydrologic control function is intact.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	N/A
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-14a	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides diverse wildlife habitat.	Two or more Cowardin wetland classes. Woody vegetation is dominant vegetation cover. Moderate degree of Cowardin class interspersion. More than 1 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. More than 40% of wetland edge bordered by veg. buffer 25 or more feet wide.
Fish Habitat - Streams	The wetland's fish habitat function is intact.	More than 75% of stream shaded by riparian vegetation. Portions of stream channel modified. Stream contains more than 25% of instream structures. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. Salmon, trout, or sensitive species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is intact.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. Between 0.5 and 5 acres of wetland connected to other wetlands within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is intact.	No part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is between 0.5 and 5 acres. Waterflow out of wetland is restricted or no outlet. Woody vegetation is dominant cover type. Residential/Industrial land use within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	N/A	
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-14a

ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Recreation	The wetland has the potential to provide recreational opportunities.	function is intact. Wetland provides diverse wildlife habitat.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-14a

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-14a

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **Yes** wildlife habitat,
- **Yes** fish habitat,
- **Yes** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-14b	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	A	Q1:	A	Q1:		Q1:	A	Q1:	A	Q1:	
Q2:	A	Q2:	B	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	B	Q3:	A	Q3:		Q3:	A	Q3:	A	Q3:	
Q4:	A	Q4:	A	Q4:		Q4:	A	Q4:	A	Q4:	
Q5:	A	Q5:	A	Q5:		Q5:	C	Q5:	A	Q5:	
Q6:	A	Q6:	A	Q6:		Q6:	A	Q6:	A	Q6:	
Q7:	A							Q7:	A		
Q8:	A										
Q9a:											
Q9b:	A										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	N/A	Q1:		Q1:		Q1:	
Q2:	N/A	Q2:		Q2:		Q2:	
Q3:	N/A	Q3:	B	Q3:		Q3:	
Q4:	N/A	Q4:		Q4:	A	Q4:	
Q5a:	N/A	Q5:		Q5:		Q5:	
Q5b:	N/A	Q6:		Q6:		Q6:	
Q6:	N/A						

Wildlife Habitat:	The wetland provides diverse wildlife habitat.
Fish Habitat - Streams:	The wetland's fish habitat function is intact.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is intact.
Hydrologic Control:	The wetland's hydrologic control function is intact.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	N/A
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-14b	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides diverse wildlife habitat.	Two or more Cowardin wetland classes. Woody vegetation is dominant vegetation cover. Moderate degree of Cowardin class interspersion. More than 1 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Exclusive Forest use or Open Space within 500 feet of wetland edge. More than 40% of wetland edge bordered by veg. buffer 25 or more feet wide.
Fish Habitat - Streams	The wetland's fish habitat function is intact.	More than 75% of stream shaded by riparian vegetation. Portions of stream channel modified. Stream contains more than 25% of instream structures. Upstream not listed as water quality limited. Exclusive Forest use or Open Space within 500 ft of wetland edge. Salmon, trout, or sensitive species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is intact.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. More than 5 acres of wetland area. Exclusive Forest use or Open Space within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is intact.	All or part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is more than 5 acres. Waterflow out of wetland is restricted or no outlet. Woody vegetation is dominant cover type. Residential/Industrial land use within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	N/A	
Education	The wetland has potential for educational use.	Provides wildlife habitat for some species, or fish habitat is impacted or degraded.
Recreation	The wetland has the potential to provide	Wetland provides diverse wildlife habitat.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-14b	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
	recreational opportunities.	
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-14b

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-14b

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **Yes** wildlife habitat,
- **Yes** fish habitat,
- **Yes** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-15	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	B	Q1:	A	Q1:		Q1:	A	Q1:	A	Q1:	
Q2:	A	Q2:	B	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	C	Q3:	B	Q3:		Q3:	A	Q3:	B	Q3:	
Q4:	A	Q4:	A	Q4:		Q4:	B	Q4:	A	Q4:	
Q5:	A	Q5:	C	Q5:		Q5:	A	Q5:	A	Q5:	
Q6:	A	Q6:	A	Q6:		Q6:	A	Q6:	C	Q6:	
Q7:	A							Q7:	A		
Q8:	B										
Q9a:											
Q9b:	A										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	N/A	Q1:		Q1:		Q1:	
Q2:	N/A	Q2:		Q2:		Q2:	
Q3:	N/A	Q3:	A	Q3:		Q3:	
Q4:	N/A	Q4:		Q4:	A	Q4:	
Q5a:	N/A	Q5:		Q5:		Q5:	
Q5b:	N/A	Q6:		Q6:		Q6:	
Q6:	N/A						

Wildlife Habitat:	The wetland provides diverse wildlife habitat.
Fish Habitat - Streams:	The wetland's fish habitat function is intact.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is intact.
Hydrologic Control:	The wetland's hydrologic control function is intact.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	N/A
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-15	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides diverse wildlife habitat.	One Cowardin wetland class with more than 5 plant species. Woody vegetation is dominant vegetation cover. Low degree of Cowardin class interspersion. More than 1 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Agricultural land use within 500 feet of wetland edge. More than 40% of wetland edge bordered by veg. buffer 25 or more feet wide.
Fish Habitat - Streams	The wetland's fish habitat function is intact.	More than 75% of stream shaded by riparian vegetation. Portions of stream channel modified. Stream contains between 10 and 25% of instream structures. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. Salmon, trout, or sensitive species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is intact.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. Between 0.5 and 5 acres of wetland connected to other wetlands within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is intact.	All or part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is between 0.5 and 5 acres. Waterflow out of wetland is restricted or no outlet. Woody vegetation is dominant cover type. Exclusive Forest Use or Open Space within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	N/A	
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-15	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
		function is intact.
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides diverse wildlife habitat.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-15

This is potentially a Wetland of Special Interest for Protection.

Question 1	**A** *List:* Coho salmon, Steelhead, Cutthroat trout
Question 2	**A** *List:* Coho salmon, Steelhead, Cutthroat trout
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-15

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **Yes** wildlife habitat,
- **Yes** fish habitat,
- **Yes** water quality,
- **Yes** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

Yes Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

Yes Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-16	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	A	Q1:	A	Q1:		Q1:	A	Q1:	A	Q1:	
Q2:	A	Q2:	B	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	B	Q3:	B	Q3:		Q3:	A	Q3:	B	Q3:	
Q4:	C	Q4:	A	Q4:		Q4:	B	Q4:	B	Q4:	
Q5:	A	Q5:	C	Q5:		Q5:	A	Q5:	A	Q5:	
Q6:	A	Q6:	A	Q6:		Q6:	C	Q6:	A	Q6:	
Q7:	A							Q7:	A		
Q8:	B										
Q9a:											
Q9b:	A										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	N/A	Q1:		Q1:		Q1:	
Q2:	N/A	Q2:		Q2:		Q2:	
Q3:	N/A	Q3:	A	Q3:		Q3:	
Q4:	N/A	Q4:		Q4:	A	Q4:	
Q5a:	N/A	Q5:		Q5:		Q5:	
Q5b:	N/A	Q6:		Q6:		Q6:	
Q6:	N/A						

Wildlife Habitat:	The wetland provides diverse wildlife habitat.
Fish Habitat - Streams:	The wetland's fish habitat function is intact.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is intact.
Hydrologic Control:	The wetland's hydrologic control function is intact.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	N/A
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-16	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides diverse wildlife habitat.	Two or more Cowardin wetland classes. Woody vegetation is dominant vegetation cover. Moderate degree of Cowardin class interspersion. Less than 0.5 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Agricultural land use within 500 feet of wetland edge. More than 40% of wetland edge bordered by veg. buffer 25 or more feet wide.
Fish Habitat - Streams	The wetland's fish habitat function is intact.	More than 75% of stream shaded by riparian vegetation. Portions of stream channel modified. Stream contains between 10 and 25% of instream structures. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. Salmon, trout, or sensitive species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is intact.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. Between 0.5 and 5 acres of wetland connected to other wetlands within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. Upstream not listed as water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is intact.	All or part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is between 0.5 and 5 acres. Minor restrictions slow down waterflow out of the wetland. Woody vegetation is dominant cover type. Residential/Industrial land use within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	N/A	
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat function is intact.
Recreation		

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-16	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides diverse wildlife habitat.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-16

This is potentially a Wetland of Special Interest for Protection.

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**A**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-16

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **Yes** fish habitat,
- **Yes** water quality,
- **Yes** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	Investigator(s):	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-17	ProjectNumber:	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	A	Q1:	A	Q1:		Q1:	A	Q1:	A	Q1:	
Q2:	A	Q2:	A	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	B	Q3:	B	Q3:		Q3:	A	Q3:	B	Q3:	
Q4:	A	Q4:	A	Q4:		Q4:	B	Q4:	B	Q4:	
Q5:	A	Q5:	A	Q5:		Q5:	C	Q5:	A	Q5:	
Q6:	A	Q6:	A	Q6:		Q6:	A	Q6:	C	Q6:	
Q7:	A							Q7:	A		
Q8:	A										
Q9a:											
Q9b:	A										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	N/A	Q1:		Q1:		Q1:	
Q2:	N/A	Q2:		Q2:		Q2:	
Q3:	N/A	Q3:	B	Q3:		Q3:	
Q4:	N/A	Q4:		Q4:	A	Q4:	
Q5a:	N/A	Q5:		Q5:		Q5:	
Q5b:	N/A	Q6:		Q6:		Q6:	
Q6:	N/A						

Wildlife Habitat:	The wetland provides diverse wildlife habitat.
Fish Habitat - Streams:	The wetland's fish habitat function is intact.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is intact.
Hydrologic Control:	The wetland's hydrologic control function is intact.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	N/A
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-17	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides diverse wildlife habitat.	Two or more Cowardin wetland classes. Woody vegetation is dominant vegetation cover. Moderate degree of Cowardin class interspersion. More than 1 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Exclusive Forest use or Open Space within 500 feet of wetland edge. More than 40% of wetland edge bordered by veg. buffer 25 or more feet wide.
Fish Habitat - Streams	The wetland's fish habitat function is intact.	More than 75% of stream shaded by riparian vegetation. Stream channel natural/returning to natural physical character. Stream contains between 10 and 25% of instream structures. Upstream not listed as water quality limited. Exclusive Forest use or Open Space within 500 ft of wetland edge. Salmon, trout, or sensitive species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is intact.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. Between 0.5 and 5 acres of wetland connected to other wetlands within a 3 mile radius. Exclusive Forest use or Open Space within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is intact.	All or part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is between 0.5 and 5 acres. Minor restrictions slow down waterflow out of the wetland. Woody vegetation is dominant cover type. Exclusive Forest Use or Open Space within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	N/A	

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-17	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Education	The wetland has potential for educational use.	Provides wildlife habitat for some species, or fish habitat is impacted or degraded.
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides diverse wildlife habitat.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-17

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-17

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **Yes** wildlife habitat,
- **Yes** fish habitat,
- **Yes** water quality,
- **Yes** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-18

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-18

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-19

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-19

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- No wildlife habitat,
- No fish habitat,
- No water quality,
- No hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-20	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	A	Q1:	A	Q1:		Q1:	A	Q1:	A	Q1:	
Q2:	A	Q2:	B	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	C	Q3:	B	Q3:		Q3:	A	Q3:	B	Q3:	
Q4:	A	Q4:	A	Q4:		Q4:	B	Q4:	A	Q4:	
Q5:	A	Q5:	C	Q5:		Q5:	A	Q5:	B	Q5:	
Q6:	A	Q6:	A	Q6:		Q6:	A	Q6:	C	Q6:	
Q7:	A							Q7:	A		
Q8:	B										
Q9a:											
Q9b:	A										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	N/A	Q1:		Q1:		Q1:	
Q2:	N/A	Q2:		Q2:		Q2:	
Q3:	N/A	Q3:	A	Q3:		Q3:	
Q4:	N/A	Q4:		Q4:	A	Q4:	
Q5a:	N/A	Q5:		Q5:		Q5:	
Q5b:	N/A	Q6:		Q6:		Q6:	
Q6:	N/A						

Wildlife Habitat:	The wetland provides diverse wildlife habitat.
Fish Habitat - Streams:	The wetland's fish habitat function is intact.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is intact.
Hydrologic Control:	The wetland's hydrologic control function is intact.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential::	N/A
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-20	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides diverse wildlife habitat.	Two or more Cowardin wetland classes. Woody vegetation is dominant vegetation cover. Low degree of Cowardin class interspersion. More than 1 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Agricultural land use within 500 feet of wetland edge. More than 40% of wetland edge bordered by veg. buffer 25 or more feet wide.
Fish Habitat - Streams	The wetland's fish habitat function is intact.	More than 75% of stream shaded by riparian vegetation. Portions of stream channel modified. Stream contains between 10 and 25% of instream structures. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. Salmon, trout, or sensitive species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is intact.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. Between 0.5 and 5 acres of wetland connected to other wetlands within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is intact.	All or part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is between 0.5 and 5 acres. Waterflow out of wetland is restricted or no outlet. Emergent veg. and ponding , or open water only is dominant cover type. Exclusive Forest Use or Open Space within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	N/A	
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-20	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
		function is intact.
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides diverse wildlife habitat.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-20

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-20

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **Yes** wildlife habitat,
- **Yes** fish habitat,
- **Yes** water quality,
- **Yes** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-21a	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	A	Q1:	C	Q1:		Q1:	A	Q1:	B	Q1:	
Q2:	A	Q2:	B	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	C	Q3:	C	Q3:		Q3:	A	Q3:	B	Q3:	
Q4:	A	Q4:	A	Q4:		Q4:	B	Q4:	A	Q4:	
Q5:	A	Q5:	C	Q5:		Q5:	A	Q5:	C	Q5:	
Q6:	A	Q6:	B	Q6:		Q6:	A	Q6:	A	Q6:	
Q7:	A							Q7:	A		
Q8:	B										
Q9a:											
Q9b:	B										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	N/A	Q1:		Q1:		Q1:	
Q2:	N/A	Q2:		Q2:		Q2:	
Q3:	N/A	Q3:	A	Q3:		Q3:	
Q4:	N/A	Q4:		Q4:	A	Q4:	
Q5a:	N/A	Q5:		Q5:		Q5:	
Q5b:	N/A	Q6:		Q6:		Q6:	
Q6:	N/A						

Wildlife Habitat:	The wetland provides diverse wildlife habitat.
Fish Habitat - Streams:	The wetland's fish habitat function is impacted or degraded.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is intact.
Hydrologic Control:	The wetland's hydrologic control function is intact.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	N/A
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-21a	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides diverse wildlife habitat.	Two or more Cowardin wetland classes. Woody vegetation is dominant vegetation cover. Low degree of Cowardin class interspersion. More than 1 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Agricultural land use within 500 feet of wetland edge.
Fish Habitat - Streams	The wetland's fish habitat function is impacted or degraded.	Less than 50% of stream shaded by riparian vegetation. Portions of stream channel modified. Stream contains less than 10% of instream structures. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. Non-Salmonid, non-sensitive fish species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is intact.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. Between 0.5 and 5 acres of wetland connected to other wetlands within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is intact.	No part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is between 0.5 and 5 acres. Waterflow out of wetland is restricted or no outlet. Emergent veg. or wet meadow is dominant cover type. Residential/Industrial land use within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	N/A	
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat function is intact.
Recreation	The wetland has the	Wetland provides diverse wildlife habitat.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-21a

ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
	potential to provide recreational opportunities.	
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-21a

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **Yes** wildlife habitat,
- **No** fish habitat,
- **Yes** water quality,
- **Yes** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-21b	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	B	Q1:	C	Q1:		Q1:	A	Q1:	B	Q1:	
Q2:	B	Q2:	B	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	C	Q3:	C	Q3:		Q3:	A	Q3:	C	Q3:	
Q4:	A	Q4:	A	Q4:		Q4:	B	Q4:	A	Q4:	
Q5:	A	Q5:	C	Q5:		Q5:	A	Q5:	C	Q5:	
Q6:	A	Q6:	B	Q6:		Q6:	C	Q6:	A	Q6:	
Q7:	A							Q7:	A		
Q8:	B										
Q9a:											
Q9b:	C										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	B	Q1:		Q1:		Q1:	
Q2:		Q2:		Q2:		Q2:	
Q3:		Q3:	A	Q3:		Q3:	
Q4:		Q4:		Q4:	B	Q4:	
Q5a:		Q5:		Q5:		Q5:	
Q5b:		Q6:		Q6:		Q6:	
Q6:	B						

Wildlife Habitat:	The wetland provides habitat for some wildlife species.
Fish Habitat - Streams:	The wetland's fish habitat function is impacted or degraded.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is intact.
Hydrologic Control:	The wetland's hydrologic control function is intact.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	The wetland has moderate potential for enhancement.
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-21b	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides habitat for some wildlife species.	One Cowardin wetland class with more than 5 plant species. Emergent veg. & ponding or open water only. Low degree of Cowardin class interspersion. More than 1 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Agricultural land use within 500 feet of wetland edge.
Fish Habitat - Streams	The wetland's fish habitat function is impacted or degraded.	Less than 50% of stream shaded by riparian vegetation. Portions of stream channel modified. Stream contains less than 10% of instream structures. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. Non-Salmonid, non-sensitive fish species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is intact.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. Between 0.5 and 5 acres of wetland connected to other wetlands within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. Upstream not listed as water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is intact.	No part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is less than 0.5 acre. Waterflow out of wetland is restricted or no outlet. Emergent veg. or wet meadow is dominant cover type. Residential/Industrial land use within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	The wetland has moderate potential for enhancement.	Wetland has lost one or more functions or one or more functions is not present in assessment results for wildlife habitat, fish habitat, water quality and hydrologic control. Wetland is potentially sensitive to future impacts.
Education	The wetland has potential	Results of wildlife habitat and fish habitat

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-21b	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
	for educational use.	assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat function is intact.
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides habitat for some species.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-21b

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- No wildlife habitat,
- No fish habitat,
- Yes water quality,
- No hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-21c	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	A	Q1:	C	Q1:		Q1:	A	Q1:	B	Q1:	
Q2:	B	Q2:	C	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	C	Q3:	C	Q3:		Q3:	B	Q3:	C	Q3:	
Q4:	A	Q4:	A	Q4:		Q4:	C	Q4:	B	Q4:	
Q5:	A	Q5:	C	Q5:		Q5:	A	Q5:	C	Q5:	
Q6:	A	Q6:	B	Q6:		Q6:	A	Q6:	A	Q6:	
Q7:	A							Q7:	A		
Q8:	B										
Q9a:											
Q9b:	C										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	B	Q1:		Q1:		Q1:	
Q2:		Q2:		Q2:		Q2:	
Q3:		Q3:	A	Q3:		Q3:	
Q4:		Q4:		Q4:	B	Q4:	
Q5a:		Q5:		Q5:		Q5:	
Q5b:		Q6:		Q6:		Q6:	
Q6:	B						

Wildlife Habitat:	The wetland provides habitat for some wildlife species.
Fish Habitat - Streams:	The wetland's fish habitat function is impacted or degraded.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is impacted or degraded.
Hydrologic Control:	The wetland's hydrologic control function is impacted or degraded.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	The wetland has moderate potential for enhancement.
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-21c

ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides habitat for some wildlife species.	Two or more Cowardin wetland classes. Emergent veg. & ponding or open water only. Low degree of Cowardin class interspersion. More than 1 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Agricultural land use within 500 feet of wetland edge.
Fish Habitat - Streams	The wetland's fish habitat function is impacted or degraded.	Less than 50% of stream shaded by riparian vegetation. Physical character of stream channel extensively modified/piped. Stream contains less than 10% of instream structures. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. Non-Salmonid, non-sensitive fish species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is impacted or degraded.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. Moderate (approx. 60%) degree of wetland vegetation cover. Less than 0.5 acre and wetland is not connected to other wetland within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is impacted or degraded.	No part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is less than 0.5 acre. Minor restrictions slow down waterflow out of the wetland. Emergent veg. or wet meadow is dominant cover type. Residential/Industrial land use within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	The wetland has moderate potential for enhancement.	Wetland has lost one or more functions or one or more functions is not present in assessment results for wildlife habitat, fish habitat, water quality and hydrologic control. Wetland is potentially sensitive to future impacts.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-21c	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat function is intact.
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides habitat for some species.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-21-c

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-21c

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-21a

Question 1	B *List:*
Question 2	B *List:*
Question 3	B *List:*
Question 4	B *List:*
Question 5	B
Question 6	B
Question 7	B *List:*
Question 8	B
Question 9	B
Question 10	B

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-21b

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-22	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams	Fish Habitat Lakes/Ponds	Water Quality		Hydrologic Control		Sensitivity to Impact
Q1:	B	Q1:	Q1:	Q1:	C	Q1:	B	Q1:
Q2:	A	Q2:	Q2:	Q2:	A	Q2:	B	Q2:
Q3:	C	Q3:	Q3:	Q3:	A	Q3:	C	Q3:
Q4:	C	Q4:	Q4:	Q4:	C	Q4:	B	Q4:
Q5:	B	Q5:	Q5:	Q5:	A	Q5:	A	Q5:
Q6:	B	Q6:	Q6:	Q6:	A	Q6:	A	Q6:
Q7:	A					Q7:	A	
Q8:	B							
Q9a:								
Q9b:	A							

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	B	Q1:		Q1:		Q1:	
Q2:		Q2:		Q2:		Q2:	
Q3:		Q3:	B	Q3:		Q3:	
Q4:		Q4:		Q4:	B	Q4:	
Q5a:		Q5:		Q5:		Q5:	
Q5b:		Q6:		Q6:		Q6:	
Q6:	B						

Wildlife Habitat:	The wetland provides habitat for some wildlife species.
Fish Habitat - Streams:	N/A
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is impacted or degraded.
Hydrologic Control:	The wetland's hydrologic control function is impacted or degraded.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	The wetland has moderate potential for enhancement.
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-22	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides habitat for some wildlife species.	One Cowardin wetland class with more than 5 plant species. Woody vegetation is dominant vegetation cover. Low degree of Cowardin class interspersion. Less than 0.5 acre of unvegetated open water present. Wetland not connected to another body of water, but water within 1 mile. Wetland not connected to other wetlands, but within 3 mile radius of other wetlands. Upstream not listed as water quality limited. Agricultural land use within 500 feet of wetland edge. More than 40% of wetland edge bordered by veg. buffer 25 or more feet wide.
Fish Habitat - Streams	N/A	
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is impacted or degraded.	Groundwater (including seeps and springs) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. Less than 0.5 acre and wetland is not connected to other wetland within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is impacted or degraded.	No part of wetland located within 100-year floodplain or enclosed basin. Unable to determine evidence of flooding or ponding during the growing season (or not applicable). Area is less than 0.5 acre. Minor restrictions slow down waterflow out of the wetland. Woody vegetation is dominant cover type. Residential/Industrial land use within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	The wetland has moderate potential for enhancement.	Wetland has lost one or more functions or one or more functions is not present in assessment results for wildlife habitat, fish habitat, water quality and hydrologic control. Wetland is potentially sensitive to future impacts.
Education	The wetland has potential for educational use.	Provides wildlife habitat for some species, or fish habitat is impacted or degraded.
Recreation	The wetland has the potential to provide	Wetland provides habitat for some species.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-22	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
	recreational opportunities.	
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-22

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-22

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- No wildlife habitat,
- No fish habitat,
- No water quality,
- No hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-23	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	B	Q1:	A	Q1:		Q1:	A	Q1:	A	Q1:	
Q2:	A	Q2:	A	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	C	Q3:	B	Q3:		Q3:	A	Q3:	B	Q3:	
Q4:	A	Q4:	A	Q4:		Q4:	B	Q4:	A	Q4:	
Q5:	A	Q5:	C	Q5:		Q5:	A	Q5:	B	Q5:	
Q6:	A	Q6:	A	Q6:		Q6:	C	Q6:	A	Q6:	
Q7:	A							Q7:	A		
Q8:	B										
Q9a:											
Q9b:	B										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	N/A	Q1:		Q1:		Q1:	
Q2:	N/A	Q2:		Q2:		Q2:	
Q3:	N/A	Q3:	A	Q3:		Q3:	
Q4:	N/A	Q4:		Q4:	A	Q4:	
Q5a:	N/A	Q5:		Q5:		Q5:	
Q5b:	N/A	Q6:		Q6:		Q6:	
Q6:	N/A						

Wildlife Habitat:	The wetland provides diverse wildlife habitat.
Fish Habitat - Streams:	The wetland's fish habitat function is intact.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is intact.
Hydrologic Control:	The wetland's hydrologic control function is intact.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	N/A
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-23	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides diverse wildlife habitat.	One Cowardin wetland class with more than 5 plant species. Woody vegetation is dominant vegetation cover. Low degree of Cowardin class interspersion. More than 1 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Agricultural land use within 500 feet of wetland edge.
Fish Habitat - Streams	The wetland's fish habitat function is intact.	More than 75% of stream shaded by riparian vegetation. Stream channel natural/returning to natural physical character. Stream contains between 10 and 25% of instream structures. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. Salmon, trout, or sensitive species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is intact.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. Between 0.5 and 5 acres of wetland connected to other wetlands within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. Upstream not listed as water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is intact.	All or part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is between 0.5 and 5 acres. Waterflow out of wetland is restricted or no outlet. Emergent veg. and ponding , or open water only is dominant cover type. Residential/Industrial land use within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	N/A	
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat function is intact.
Recreation	The wetland has the potential to provide	Wetland provides diverse wildlife habitat.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-23	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
	recreational opportunities.	
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-23

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-23

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **Yes** wildlife habitat,
- **Yes** fish habitat,
- **Yes** water quality,
- **Yes** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-24	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams	Fish Habitat Lakes/Ponds	Water Quality		Hydrologic Control		Sensitivity to Impact
Q1:	A	Q1:	Q1:	Q1:	C	Q1:	B	Q1:
Q2:	C	Q2:	Q2:	Q2:	C	Q2:	C	Q2:
Q3:	C	Q3:	Q3:	Q3:	A	Q3:	C	Q3:
Q4:	C	Q4:	Q4:	Q4:	C	Q4:	B	Q4:
Q5:	A	Q5:	Q5:	Q5:	A	Q5:	C	Q5:
Q6:	A	Q6:	Q6:	Q6:	C	Q6:	C	Q6:
Q7:	A					Q7:	A	
Q8:	B							
Q9a:								
Q9b:	A							

Enhancement Potential		Education		Recreation		Aesthetic Quality
Q1:	B	Q1:		Q1:		Q1:
Q2:		Q2:		Q2:		Q2:
Q3:		Q3:	A	Q3:		Q3:
Q4:		Q4:		Q4:	B	Q4:
Q5a:		Q5:		Q5:		Q5:
Q5b:		Q6:		Q6:		Q6:
Q6:	B					

Wildlife Habitat:	The wetland provides habitat for some wildlife species.
Fish Habitat - Streams:	N/A
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is lost or not present.
Hydrologic Control:	The wetland's hydrologic control function is lost or not present.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	The wetland has moderate potential for enhancement.
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-24	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides habitat for some wildlife species.	Two or more Cowardin wetland classes. Emergent veg. or wet meadow. Low degree of Cowardin class interspersion. Less than 0.5 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Agricultural land use within 500 feet of wetland edge. More than 40% of wetland edge bordered by veg. buffer 25 or more feet wide.
Fish Habitat - Streams	N/A	
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is lost or not present.	Groundwater (including seeps and springs) is wetland's primary source of water. No evidence of flooding or ponding during the growing season. High (>60%) degree of wetland vegetation cover. Less than 0.5 acre and wetland is not connected to other wetland within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. Upstream not listed as water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is lost or not present.	No part of wetland located within 100-year floodplain or enclosed basin. No evidence of flooding or ponding during the growing season. Area is less than 0.5 acre. Minor restrictions slow down waterflow out of the wetland. Emergent veg. or wet meadow is dominant cover type. Exclusive Forest Use or Open Space within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	The wetland has moderate potential for enhancement.	Wetland has lost one or more functions or one or more functions is not present in assessment results for wildlife habitat, fish habitat, water quality and hydrologic control. Wetland is potentially sensitive to future impacts.
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat function is intact.
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides habitat for some species.
Aesthetic Quality		

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-24	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-24

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-24

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-25	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams	Fish Habitat Lakes/Ponds	Water Quality		Hydrologic Control		Sensitivity to Impact
Q1:	B	Q1:	Q1:	Q1:	C	Q1:	B	Q1:
Q2:	A	Q2:	Q2:	Q2:	A	Q2:	A	Q2:
Q3:	C	Q3:	Q3:	Q3:	A	Q3:	C	Q3:
Q4:	C	Q4:	Q4:	Q4:	C	Q4:	B	Q4:
Q5:	B	Q5:	Q5:	Q5:	C	Q5:	A	Q5:
Q6:	B	Q6:	Q6:	Q6:	A	Q6:	C	Q6:
Q7:	A					Q7:	A	
Q8:	A							
Q9a:								
Q9b:	A							

Enhancement Potential		Education		Recreation		Aesthetic Quality
Q1:	B	Q1:		Q1:		Q1:
Q2:		Q2:		Q2:		Q2:
Q3:		Q3:	A	Q3:		Q3:
Q4:		Q4:		Q4:	B	Q4:
Q5a:		Q5:		Q5:		Q5:
Q5b:		Q6:		Q6:		Q6:
Q6:	B					

Wildlife Habitat:	The wetland provides habitat for some wildlife species.
Fish Habitat - Streams:	N/A
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is impacted or degraded.
Hydrologic Control:	The wetland's hydrologic control function is impacted or degraded.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	The wetland has moderate potential for enhancement.
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-25	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides habitat for some wildlife species.	One Cowardin wetland class with more than 5 plant species. Woody vegetation is dominant vegetation cover. Low degree of Cowardin class interspersion. Less than 0.5 acre of unvegetated open water present. Wetland not connected to another body of water, but water within 1 mile. Wetland not connected to other wetlands, but within 3 mile radius of other wetlands. Upstream not listed as water quality limited. Exclusive Forest use or Open Space within 500 feet of wetland edge. More than 40% of wetland edge bordered by veg. buffer 25 or more feet wide.
Fish Habitat - Streams	N/A	
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is impacted or degraded.	Groundwater (including seeps and springs) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. Less than 0.5 acre and wetland is not connected to other wetland within a 3 mile radius. Exclusive Forest use or Open Space within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is impacted or degraded.	No part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is less than 0.5 acre. Minor restrictions slow down waterflow out of the wetland. Woody vegetation is dominant cover type. Exclusive Forest Use or Open Space within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	The wetland has moderate potential for enhancement.	Wetland has lost one or more functions or one or more functions is not present in assessment results for wildlife habitat, fish habitat, water quality and hydrologic control. Wetland is potentially sensitive to future impacts.
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat function is intact.
Recreation		

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-25	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides habitat for some species.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-25

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-25

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-26

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-26

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-27

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-27

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **Yes** wildlife habitat,
- **Yes** fish habitat,
- **Yes** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-28	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	B	Q1:		Q1:	C	Q1:	A	Q1:	A	Q1:	
Q2:	A	Q2:		Q2:	C	Q2:	A	Q2:	A	Q2:	
Q3:	C	Q3:		Q3:	B	Q3:	B	Q3:	C	Q3:	
Q4:	C	Q4:		Q4:	A	Q4:	C	Q4:	A	Q4:	
Q5:	A	Q5:		Q5:	C	Q5:	A	Q5:	C	Q5:	
Q6:	B	Q6:		Q6:	A	Q6:	A	Q6:	C	Q6:	
Q7:	A							Q7:	A		
Q8:	C										
Q9a:											
Q9b:	B										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	B	Q1:		Q1:		Q1:	
Q2:		Q2:		Q2:		Q2:	
Q3:		Q3:	B	Q3:		Q3:	
Q4:		Q4:		Q4:	B	Q4:	
Q5a:		Q5:		Q5:		Q5:	
Q5b:		Q6:		Q6:		Q6:	
Q6:	B						

Wildlife Habitat:	The wetland provides habitat for some wildlife species.
Fish Habitat - Streams:	N/A
Fish Habitat - Lakes/Ponds:	The wetland's fish habitat function is impacted or degraded.
Water Quality:	The wetland's water quality function is impacted or degraded.
Hydrologic Control:	The wetland's hydrologic control function is intact.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	The wetland has moderate potential for enhancement.
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-28	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides habitat for some wildlife species.	One Cowardin wetland class with more than 5 plant species. Woody vegetation is dominant vegetation cover. Low degree of Cowardin class interspersion. Less than 0.5 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland not connected to other wetlands, but within 3 mile radius of other wetlands. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge.
Fish Habitat - Streams	N/A	
Fish Habitat - Lakes/Ponds	The wetland's fish habitat function is impacted or degraded.	Less than 50% of stream shaded by riparian vegetation. Physical character of stream channel extensively modified/piped. Stream contains between 10 and 25% of instream structures. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. Salmon, trout, or sensitive species present sometime during the year.
Water Quality	The wetland's water quality function is impacted or degraded.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. Moderate (approx. 60%) degree of wetland vegetation cover. Less than 0.5 acre and wetland is not connected to other wetland within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is intact.	All or part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is less than 0.5 acre. Waterflow out of wetland is restricted or no outlet. Emergent veg. or wet meadow is dominant cover type. Exclusive Forest Use or Open Space within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	The wetland has moderate potential for enhancement.	Wetland has lost one or more functions or one or more functions is not present in assessment results for wildlife habitat, fish habitat, water quality and hydrologic control. Wetland is potentially sensitive to

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-28	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
		future impacts.
Education	The wetland has potential for educational use.	Provides wildlife habitat for some species, or fish habitat is impacted or degraded.
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides habitat for some species.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-28

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-28

A. "OUT" Test

Yes Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland does NOT meet the criteria for identification as a Local Significant Wetland

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-29	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	B	Q1:	B	Q1:		Q1:	A	Q1:	B	Q1:	
Q2:	B	Q2:	C	Q2:		Q2:	A	Q2:	B	Q2:	
Q3:	C	Q3:	C	Q3:		Q3:	B	Q3:	C	Q3:	
Q4:	C	Q4:	A	Q4:		Q4:	C	Q4:	A	Q4:	
Q5:	A	Q5:	A	Q5:		Q5:	C	Q5:	C	Q5:	
Q6:	A	Q6:	C	Q6:		Q6:	A	Q6:	C	Q6:	
Q7:	A							Q7:	A		
Q8:	B										
Q9a:											
Q9b:	C										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	B	Q1:		Q1:		Q1:	
Q2:		Q2:		Q2:		Q2:	
Q3:		Q3:	B	Q3:		Q3:	
Q4:		Q4:		Q4:	B	Q4:	
Q5a:		Q5:		Q5:		Q5:	
Q5b:		Q6:		Q6:		Q6:	
Q6:	B						

Wildlife Habitat:	The wetland provides habitat for some wildlife species.
Fish Habitat - Streams:	The wetland's fish habitat function is impacted or degraded.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is impacted or degraded.
Hydrologic Control:	The wetland's hydrologic control function is impacted or degraded.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	The wetland has moderate potential for enhancement.
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-29	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides habitat for some wildlife species.	One Cowardin wetland class with more than 5 plant species. Emergent veg. & ponding or open water only. Low degree of Cowardin class interspersion. Less than 0.5 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Agricultural land use within 500 feet of wetland edge.
Fish Habitat - Streams	The wetland's fish habitat function is impacted or degraded.	Between 50 and 75% of stream shaded by riparian vegetation. Physical character of stream channel extensively modified/piped. Stream contains less than 10% of instream structures. Upstream not listed as water quality limited. Exclusive Forest use or Open Space within 500 ft of wetland edge. No fish species present during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is impacted or degraded.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. Moderate (approx. 60%) degree of wetland vegetation cover. Less than 0.5 acre and wetland is not connected to other wetland within a 3 mile radius. Exclusive Forest use or Open Space within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is impacted or degraded.	No part of wetland located within 100-year floodplain or enclosed basin. Unable to determine evidence of flooding or ponding during the growing season (or not applicable). Area is less than 0.5 acre. Waterflow out of wetland is restricted or no outlet. Emergent veg. or wet meadow is dominant cover type. Exclusive Forest Use or Open Space within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	The wetland has moderate potential for enhancement.	Wetland has lost one or more functions or one or more functions is not present in assessment results for wildlife habitat, fish habitat, water quality and hydrologic control. Wetland is potentially sensitive to future impacts.
Education		

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-29	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
	The wetland has potential for educational use.	Provides wildlife habitat for some species, or fish habitat is impacted or degraded.
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides habitat for some species.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-29

Question 1	B *List:*
Question 2	B *List:*
Question 3	B *List:*
Question 4	B *List:*
Question 5	B
Question 6	B
Question 7	B *List:*
Question 8	B
Question 9	B
Question 10	B

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-29

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-30	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	A	Q1:	A	Q1:		Q1:	A	Q1:	B	Q1:	
Q2:	A	Q2:	A	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	C	Q3:	A	Q3:		Q3:	A	Q3:	C	Q3:	
Q4:	C	Q4:	A	Q4:		Q4:	C	Q4:	A	Q4:	
Q5:	A	Q5:	A	Q5:		Q5:	C	Q5:	A	Q5:	
Q6:	A	Q6:	C	Q6:		Q6:	A	Q6:	C	Q6:	
Q7:	A							Q7:	A		
Q8:	A										
Q9a:											
Q9b:	A										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	B	Q1:		Q1:		Q1:	
Q2:		Q2:		Q2:		Q2:	
Q3:		Q3:	A	Q3:		Q3:	
Q4:		Q4:		Q4:	B	Q4:	
Q5a:		Q5:		Q5:		Q5:	
Q5b:		Q6:		Q6:		Q6:	
Q6:	B						

Wildlife Habitat:	The wetland provides habitat for some wildlife species.
Fish Habitat - Streams:	The wetland's fish habitat function is intact.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is intact.
Hydrologic Control:	The wetland's hydrologic control function is intact.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	The wetland has moderate potential for enhancement.
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-30	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides habitat for some wildlife species.	Two or more Cowardin wetland classes. Woody vegetation is dominant vegetation cover. Low degree of Cowardin class interspersion. Less than 0.5 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Exclusive Forest use or Open Space within 500 feet of wetland edge. More than 40% of wetland edge bordered by veg. buffer 25 or more feet wide.
Fish Habitat - Streams	The wetland's fish habitat function is intact.	More than 75% of stream shaded by riparian vegetation. Stream channel natural/returning to natural physical character. Stream contains more than 25% of instream structures. Upstream not listed as water quality limited. Exclusive Forest use or Open Space within 500 ft of wetland edge. No fish species present during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is intact.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. High (>60%) degree of wetland vegetation cover. Less than 0.5 acre and wetland is not connected to other wetland within a 3 mile radius. Exclusive Forest use or Open Space within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is intact.	No part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is less than 0.5 acre. Waterflow out of wetland is restricted or no outlet. Woody vegetation is dominant cover type. Exclusive Forest Use or Open Space within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	The wetland has moderate potential for enhancement.	Wetland has lost one or more functions or one or more functions is not present in assessment results for wildlife habitat, fish habitat, water quality and hydrologic control. Wetland is potentially sensitive to

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-30	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
		future impacts.
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat function is intact.
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides habitat for some species.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-30

Question 1	B *List:*
Question 2	B *List:*
Question 3	B *List:*
Question 4	B *List:*
Question 5	B
Question 6	B
Question 7	B *List:*
Question 8	B
Question 9	B
Question 10	B

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-30

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **No** fish habitat,
- **Yes** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-31	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	A	Q1:	B	Q1:		Q1:	A	Q1:	B	Q1:	
Q2:	B	Q2:	C	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	C	Q3:	B	Q3:		Q3:	B	Q3:	C	Q3:	
Q4:	A	Q4:	A	Q4:		Q4:	C	Q4:	B	Q4:	
Q5:	A	Q5:	C	Q5:		Q5:	A	Q5:	C	Q5:	
Q6:	A	Q6:	B	Q6:		Q6:	A	Q6:	A	Q6:	
Q7:	A							Q7:	A		
Q8:	B										
Q9a:											
Q9b:	C										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	B	Q1:		Q1:		Q1:	
Q2:		Q2:		Q2:		Q2:	
Q3:		Q3:	A	Q3:		Q3:	
Q4:		Q4:		Q4:	B	Q4:	
Q5a:		Q5:		Q5:		Q5:	
Q5b:		Q6:		Q6:		Q6:	
Q6:	B						

Wildlife Habitat:	The wetland provides habitat for some wildlife species.
Fish Habitat - Streams:	The wetland's fish habitat function is impacted or degraded.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is impacted or degraded.
Hydrologic Control:	The wetland's hydrologic control function is impacted or degraded.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	The wetland has moderate potential for enhancement.
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-31	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides habitat for some wildlife species.	Two or more Cowardin wetland classes. Emergent veg. & ponding or open water only. Low degree of Cowardin class interspersion. More than 1 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Agricultural land use within 500 feet of wetland edge.
Fish Habitat - Streams	The wetland's fish habitat function is impacted or degraded.	Between 50 and 75% of stream shaded by riparian vegetation. Physical character of stream channel extensively modified/piped. Stream contains between 10 and 25% of instream structures. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. Non-Salmonid, non-sensitive fish species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is impacted or degraded.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. Moderate (approx. 60%) degree of wetland vegetation cover. Less than 0.5 acre and wetland is not connected to other wetland within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is impacted or degraded.	No part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is less than 0.5 acre. Minor restrictions slow down waterflow out of the wetland. Emergent veg. or wet meadow is dominant cover type. Residential/Industrial land use within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	The wetland has moderate potential for enhancement.	Wetland has lost one or more functions or one or more functions is not present in assessment results for wildlife habitat, fish habitat, water quality and hydrologic control. Wetland is potentially sensitive to future impacts.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-31	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat function is intact.
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides habitat for some species.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-31

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-31

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	06/01/01	**Investigator(s):**	ES
Project Name:	Sandy LSW Determination (LWI Update)		
WetlandCode:	TC-32	**ProjectNumber:**	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	A	Q1:	C	Q1:		Q1:	A	Q1:	B	Q1:	
Q2:	A	Q2:	C	Q2:		Q2:	A	Q2:	A	Q2:	
Q3:	C	Q3:	C	Q3:		Q3:	B	Q3:	C	Q3:	
Q4:	A	Q4:	A	Q4:		Q4:	B	Q4:	B	Q4:	
Q5:	A	Q5:	C	Q5:		Q5:	A	Q5:	C	Q5:	
Q6:	A	Q6:	B	Q6:		Q6:	A	Q6:	A	Q6:	
Q7:	A							Q7:	A		
Q8:	B										
Q9a:											
Q9b:	C										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	B	Q1:		Q1:		Q1:	
Q2:		Q2:		Q2:		Q2:	
Q3:		Q3:	A	Q3:		Q3:	
Q4:		Q4:		Q4:	B	Q4:	
Q5a:		Q5:		Q5:		Q5:	
Q5b:		Q6:		Q6:		Q6:	
Q6:	B						

Wildlife Habitat:	The wetland provides habitat for some wildlife species.
Fish Habitat - Streams:	The wetland's fish habitat function is impacted or degraded.
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is impacted or degraded.
Hydrologic Control:	The wetland's hydrologic control function is impacted or degraded.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	The wetland has moderate potential for enhancement.
Education:	The wetland has potential for educational use.
Recreation:	The wetland has the potential to provide recreational opportunities.
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-32	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides habitat for some wildlife species.	Two or more Cowardin wetland classes. Woody vegetation is dominant vegetation cover. Low degree of Cowardin class interspersion. More than 1 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Agricultural land use within 500 feet of wetland edge.
Fish Habitat - Streams	The wetland's fish habitat function is impacted or degraded.	Less than 50% of stream shaded by riparian vegetation. Physical character of stream channel extensively modified/piped. Stream contains less than 10% of instream structures. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. Non-Salmonid, non-sensitive fish species present sometime during the year.
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is impacted or degraded.	Surface flow (including streams and ditches) is wetland's primary source of water. Evidence of flooding or ponding during part of the growing season. Moderate (approx. 60%) degree of wetland vegetation cover. Between 0.5 and 5 acres of wetland connected to other wetlands within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. One or more upstream reaches are listed water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is impacted or degraded.	No part of wetland located within 100-year floodplain or enclosed basin. Evidence of flooding or ponding during the growing season. Area is less than 0.5 acre. Minor restrictions slow down waterflow out of the wetland. Emergent veg. or wet meadow is dominant cover type. Residential/Industrial land use within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	
Enhancement Potential	The wetland has moderate potential for enhancement.	Wetland has lost one or more functions or one or more functions is not present in assessment results for wildlife habitat, fish habitat, water quality and hydrologic control. Wetland is potentially sensitive to future impacts.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-32

ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Education	The wetland has potential for educational use.	Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat function is intact.
Recreation	The wetland has the potential to provide recreational opportunities.	Wetland provides habitat for some species.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-32

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-32

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

B. "IN"

Yes Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- **No** wildlife habitat,
- **No** fish habitat,
- **No** water quality,
- **No** hydrologic control.

No Wetlands that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is within one-quarter mile from a water quality-limited stream as listed by DEQ.

No Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

No Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with appropriate agency deems the site not important for the maintenance of the species.

No Wetland rates in either the highest or second highest category for Fish Habitat in OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "Indigenous anadromous salmonids."

No OPTIONAL CRITERION (at discretion of local government): Wetland represents a LOCALLY unique plant community.

No OPTIONAL CRITERION (at discretion of local government): Wetland is publicly owned, rates highest rank for education potential, and there is documented use for educational purposes by a school or organization.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

Date(s):	5-31-01	Investigator(s):	ES
Project Name:	Sandy LSW		
WetlandCode:	TC-33	ProjectNumber:	2005046.1

Wildlife Habitat		Fish Habitat Streams		Fish Habitat Lakes/Ponds		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q1:	A	Q1:		Q1:		Q1:	C	Q1:	B	Q1:	A
Q2:	A	Q2:		Q2:		Q2:	C	Q2:	C	Q2:	B
Q3:	C	Q3:		Q3:		Q3:	C	Q3:	C	Q3:	C
Q4:	C	Q4:		Q4:		Q4:	C	Q4:	C	Q4:	A
Q5:	A	Q5:		Q5:		Q5:	A	Q5:	A	Q5:	A
Q6:	A	Q6:		Q6:		Q6:	C	Q6:	A	Q6:	A
Q7:	A							Q7:	A		
Q8:	C										
Q9a:											
Q9b:	A										

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q1:	B	Q1:	C	Q1:	C	Q1:	B
Q2:	B	Q2:	B	Q2:	C	Q2:	C
Q3:		Q3:	A	Q3:	C	Q3:	B
Q4:	B	Q4:	C	Q4:	B	Q4:	B
Q5a:		Q5:	C	Q5:	B	Q5:	B
Q5b:	A	Q6:	B	Q6:	B	Q6:	A
Q6:	B						

Wildlife Habitat:	The wetland provides habitat for some wildlife species.
Fish Habitat - Streams:	N/A
Fish Habitat - Lakes/Ponds:	N/A
Water Quality:	The wetland's water quality function is lost or not present.
Hydrologic Control:	The wetland's hydrologic control function is impacted or degraded.
Sensitivity to Impact:	The wetland is potentially sensitive to future impacts.
Enhancement Potential:	The wetland has moderate potential for enhancement.
Education:	The wetland site is not appropriate for educational use.
Recreation:	The wetland is not appropriate for or does not provide recreational opport
Aesthetic Quality:	The wetland is considered to be moderately pleasing.

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-33	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
Wildlife Habitat	The wetland provides habitat for some wildlife species.	Two or more Cowardin wetland classes. Woody vegetation is dominant vegetation cover. Low degree of Cowardin class interspersion. Less than 0.5 acre of unvegetated open water present. Wetland connected to another body of water by surface water. Wetland connected to other wetlands within a 3 mile radius. Upstream not listed as water quality limited. Residential/Industrial land use within 500 feet of wetland edge. More than 40% of wetland edge bordered by veg. buffer 25 or more feet wide.
Fish Habitat - Streams	N/A	
Fish Habitat - Lakes/Ponds	N/A	
Water Quality	The wetland's water quality function is lost or not present.	Groundwater (including seeps and springs) is wetland's primary source of water. No evidence of flooding or ponding during the growing season. Low (<60%) degree of wetland vegetation cover. Less than 0.5 acre and wetland is not connected to other wetland within a 3 mile radius. Residential/Industrial land use within 500 feet of wetland edge. Upstream not listed as water quality limited in watershed or adjacent to the wetland.
Hydrologic Control	The wetland's hydrologic control function is impacted or degraded.	No part of wetland located within 100-year floodplain or enclosed basin. No evidence of flooding or ponding during the growing season. Area is less than 0.5 acre. Waterflow out of wetland is unrestricted. Woody vegetation is dominant cover type. Residential/Industrial land use within 500 ft of wetland on downstream or down-slope edge of wetland. Urban or Urbanizing land use in watershed upstream from area.
Sensitivity to Impact	The wetland is potentially sensitive to future impacts	Stream flow or bank has been modified by human activities within 1 mile above wetland. Water is not being taken out of streams through active diking, drainage, or irrigation districts upstream. Upstream not listed as water quality limited in watershed upstream of the or adjacent to the wetland. Residential/industrial (developed) land use within 500 feet of wetland's edge. Dominant Residential/Industrial (developed) land use within 500 feet of wetland's edge. Woody vegetation is the dominant cover.
Enhancement Potential	The wetland has moderate potential for enhancement.	Wetland has lost one or more functions or one or more functions is not present in

OREGON FRESHWATER WETLAND ASSESSMENT METHODOLGY

Function and Condition Summary Sheet for the Oregon Method

WetlandCode:	TC-33	ProjectNumber:	2005046.1

Function	Evaluation Descriptor	Rationale
		assessment results for wildlife habitat, fish habitat, water quality and hydrologic control. Wetland's primary source of water is groundwater, including springs and seeps. Wetland's area is between 0.5 and 5 acres. More than 40% of wetland's edge is bordered by a vegetative buffer 25 or more feet wide. Wetland is potentially sensitive to future impacts.
Education	The wetland site is not appropriate for educational use.	Wetland site is not open to the public for direct access or observation. One to two visible safety hazards exist at the wetland site. Results of wildlife habitat and fish habitat assessment criteria prove wetland provides diverse Wildlife Habitat, or Fish Habitat function is intact. There is no existing physical public access to other features, and observation of other features cannot be made. There is not an existing access point within 250 feet of the wetland's edge (if existing-hazardous). Access is not available for limited mobility.
Recreation	The wetland is not appropriate for or does not provide recreational opportunities.	There is not an existing access point within 250 feet of the wetland's edge (if existing-hazardous). Wetland not accessible by boat-no boat launch within 1 mile/ cannot develop. No existing trails and viewing areas to guide user or if created, would disrupt wildlife or plant habitat. Wetland provides habitat for some species. Fishing is not allowed at wetland or adjacent water body (or not applicable). Hunting is not allowed at the wetland.
Aesthetic Quality	The wetland is considered to be moderately pleasing.	Two Cowardin classes are visible from primary viewing area(s). Less than 25% of wetland is visible from viewing area(s). General appearance of wetland has visual detractors, which can be removed easily. Visual character with surrounding area is landscaped or manipulated by people. At certain times, unpleasant odors are present at the primary viewing location. Some traffic and other similar sounds and natural sounds are audible at primary viewing locations.

Sandy
Wetlands of Special Interest for Protection Assessment
Answer Sheet

WetlandCode: TC-33

Question 1	**B** *List:*
Question 2	**B** *List:*
Question 3	**B** *List:*
Question 4	**B** *List:*
Question 5	**B**
Question 6	**B**
Question 7	**B** *List:*
Question 8	**B**
Question 9	**B**
Question 10	**B**

Sandy
Local Wetland Significance Assessment

WetlandCode: TC-33

A. "OUT" Test

No Wetlands artificially CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater;
(b) active surface mining ponds;
(c) ditches without free and open connection to waters of the state AND without fish;
(d) <1 acre and unintentionally created from irrigation leak or construction activity;
(e) of any size and created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

No Documented as being contaminated by hazardous substances, materials or wastes ("Hazmat sites").

This wetland MEETS the criteria for identification as a Local Significant Wetland

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