LOCAL WETLANDS INVENTORY

City Of Port Orford

DIVISION OF STATE LANDS
RECEIVED
'99 OCT 12 A 9:11

Prepared By:

Beak Consultants Inc.
317 SW Alder, Suite 800
Portland, Oregon 97204

October 1999

APPROVED WETLANDS INVENTORY
Oregon Division of State Lands
Meets LWI standards
Date 11/99 Approved by Dana Field

TABLE OF CONTENTS

GLOSSARY OF TERMS & SYMBOLS i

1.0 INTRODUCTION 1

2.0 STUDY AREA 1

3.0 METHODS 1

3.1 LWI PROCEDURES AND MAPPING PROCESS 2

3.2 WETLAND DETERMINATION AND CLASSIFICATION 2

3.3 QUALITY ASSESSMENT 6

3.4 RIPARIAN ASSESSMENT 6

4.0 STUDY AREA SUMMARY 6

4.1 WETLANDS 7

4.2 OFWAM RESULTS 7

4.3 RIPARIAN AREAS 7

5.0 USE OF THE WETLAND INVENTORY 8

6.0 LITERATURE CITED 9

LIST OF TABLES

TABLE 1. WETLAND CLASSIFICATION AND ACREAGE. 3

TABLE 2. WETLAND CLASSIFICATION (NWI) 4

LIST OF FIGURES

FIGURE 1. PORT ORFORD LWI INDEX MAP 5

Appendix A - LWI Mapping

Appendix B - List of Common and Scientific Plant Names

Appendix C - Descriptions of Soil Types

Appendix D - LWI Wetland Summary Sheets

Appendix E - Wetland Function and Condition Summaries

Appendix F - Routine Wetland Determination Data Forms

Appendix G - Locally Significant Wetlands Criteria

1.0 INTRODUCTION

Local Wetland Inventories (LWIs) in the State of Oregon provide important information for local governments and land owners planning future urban growth and development. Wetland inventories within Urban Growth Boundaries (UGBs) and areas of high development pressure are also necessary to complete state planning requirements. The Oregon Division of State Lands (DSL), under a grant from the U.S. Environmental Protection Agency, conducted wetland inventories and assessments in six Oregon communities in 1995. Beak was contracted to perform the LWI and assessment for the City of Port Orford during this time. Since that time, Beak was contracted to revise and update the LWI and assessment and complete a riparian area assessment for the area. This report includes revisions made to the 1996 draft LWI and assessment (Beak 1996), results from the riparian assessment, and concludes Beak's work on the Port Orford LWI for the DSL.

2.0 STUDY AREA

Port Orford is located 44 miles south of Coos Bay on the southern Oregon coast in Curry County. The study area for the Port Orford LWI is the 3,670 acre UGB including the Port Orford city limits. The study area is bordered on the north by the Elk River and extends 3.5 miles south along the Coast Highway (OR 101). It is bordered by the Pacific Coast on the west and extends 2.7 miles east into the foothills of the Coast Range. Four drainage basins were identified and include Garrison Lake, Hubbard Creek, Gold Run Creek, and beach/headland areas.

3.0 METHODS

Beak performed an LWI within the Port Orford UGB to identify the boundaries of wetlands greater than 0.5 acres. Prior to field visits by Beak personnel, Ellen Warring (Port Orford Watershed Council) contacted private property owners to acquire permission to access properties containing or bordering wetlands. On-site data collection was restricted to private properties for which written permission was given, platted street easements, or lots owned by the city. Off-site wetland boundary determinations were made for wetlands for which access was not feasible. Off-site determinations were based on aerial photographs, observations from adjacent property, soil surveys, National Wetland Inventories (NWI), and topographic information.

Field data were collected at 81 sample locations between July 5 and 12, 1995 and April 12 and 13, 1999. The 1999 visit was made to collect additional information for performing the Oregon Freshwater Wetland Assessment Methodology (OFWAM) (Roth et al. 1996), refining the previous LWI, and assessing riparian areas.

3.1 LWI PROCEDURES AND MAPPING PROCESS

Data was collected on wetland criteria following DSL protocol for field verification (OAR 141-86-210(6)). Potential wetlands were identified and mapped prior to detailed field surveys using Bureau of Land management (BLM) aerial photographs (July 9, 1992), USGS maps (Port Orford, Sixes, and Cape Blanco Quadrangles) and the corresponding National Wetland Inventory (NWI) Maps. The base map information for the draft LWI maps was digitized from a 1" = 2000' scale Port Orford Zoning Map prepared by the Curry County Department of Public Services (Curry County DPW 1992) using AutoCAD.

Areas identified as wetlands (NWI maps) and as having hydric soils (draft Curry County Soil Survey - Natural Resources Conservation Service 1995) were digitized and geo-referenced to State Plane Coordinates on the base map and referenced to topographic maps of the area. The draft maps prepared for the field verification process identified wetland areas requiring field verification and areas possibly containing unmapped wetlands. Where appropriate, wetland boundary adjustments were made on draft maps during field determinations.

Verified, adjusted, and newly identified wetland boundaries were plotted on large-scale (1"=200' and 1"=400') maps which were overlaid on individual tax lot maps (Wetland Inventory Maps 1-48 - Appendix A). A table referencing tax map numbers to the corresponding wetland overlay numbers is presented in Table 1. A smaller scale index map (1"=1000') of the entire study area was produced from the digitized tax lot maps (Index Map - Figure 1).

3.2 WETLAND DETERMINATION AND CLASSIFICATION

Where access was granted, wetlands were delineated following the guidelines of the U.S. Army Corps of Engineers (COE) Wetlands Delineation Manual (Environmental Laboratory 1987) using a routine, on-site determination method employing the vegetation unit sampling procedure. This methodology requires that wetlands meet criteria for soils, hydrology, and vegetation. Data for each sample plot were recorded on standard wetland delineation forms (Environmental Laboratory 1987).

Wetlands were classified according to the U.S. Fish and Wildlife Service (USFWS) classification system (Cowardin et al. 1979)(Table 2). Wetlands were classified by system to class. Most of the classifications in the LWI reflect the NWI designations. In areas where the NWI classifications were inaccurate, a more appropriate wetland designation was assigned. In some cases, the increased resolution associated with the LWI mapping process allowed for NWI-classified wetlands to be re-mapped more accurately.

Appendix B- List of Common and Scientific Plant Names

Appendix B. List of Plant Species observed during field surveys.

Vegetation Type	Scientific Name	Common Name	Indicator Status
Trees			
	Alnus rubra	red alder	FAC
	Myrica gale	sweet gale	OBL
	Picea sitchensis	sitka spruce	FAC
	Pinus contorta (contorta)	lodge-pole pine	FAC
	Pseudotsuga menziesii	Douglas fir	FACU
	Rhamnus pershiana	cascara	FAC-
	Salix lasiandra	Pacific willow	FACW+
	Salix scouleriana	Scouler willow	FAC
	Salix sitchensis	sitka willow	FACW
	Salix sp.	willow	FAC-OBL
	Thuja plicata	western red cedar	FAC
Shrubs			
	Acer circinatum	vinemaple	FAC-
	Alnus rubra	red alder	FAC
	Athyrium filix-femina	subarctic lady fern	FAC
	Ceanothus thrysoflorus	blue blossom	NI
	Cytisus scoparius	Scotch broom	NI
	Gaultheria shallon	salal	FACU
	Holodiscus discolor	oceanspray	NI
	Lonicera involucrata	four-line honeysuckle	FAC
	Lysichtum americanum	skunk cabbage	OBL
	Myrica californica	Pacific bayberry	FACW
	Oenanthe sarmentosa	water parsley	OBL
	Rhamnus pershiana	cascara	FAC-
	Rhododendron occidentale	western azalea	FAC
	Rubus discolor	Himalayan blackberry	FACU
	Rubus parviflorus	thimbleberry	FAC-
	Rubus spectabilis	salmonberry	FAC+
	Rubus ursinus	California dewberry	FACU
	Salix sp.	willow	FAC-OBL
	Sambucus cerulea	blue elder	FACU
	Spirea douglasii	Douglas' spirea	FACW
	Typha latifolia	cattail	OBL
	Ulex europaeus	gorse	NI
	Vaccinium ovatum	evergreen huckleberry	NI
Herbaceous			
	Abronium latifolia	yellow sand-verbena	NI
	Agrostis alba	red top	FAC
	Alisma plantago-aquatica	broadleaf water plantain	OBL
	Ammophila arenaria	European beach grass	FACU
	Athyrium filix-femina	subarctic lady fern	FAC
	Cakile edentula	American searocket	FACU
	Carex obnupta	slough sedge	OBL

NI = No Indicator

Appendix E. (cont.)

	Cicuta douglasii	western water hemlock	OBL
	Deschampsia cespitosa	tufted hairgrass	FACW
	Digitalis purpurea	purple foxglove	FACU
	Eleocharis palustrus	creeping spikerush	OBL
	Elodea sp.	waterweed	OBL
	Epilobium glandulosum	purple-leaved willowherb	NI
	Equisetum palustre	marsh horsetail	FACW
	Herecleum lanatum	cow parsnip	FAC+
	Holcus lanatus	velvet grass	FAC
	Juncus effusus	common rush	FACW
	Lemna sp.	duckweed	OBL
	Lysichitum americanum	skunk cabbage	OBL
	Nuphar polysepalum	yellow pond-lily	OBL
	Petasites frigidus	arctic sweet coltsfoot	FACW-
	Phalaris arundinacea	reed canary grass	FACW
	Phragmites communis	common reed	FACW+
	Polystichum munitum	sword fern	FACU
	Potamogeton sp.	pond weed	OBL
	Rhamnus pershiana	cascara	FAC-
	Rorripa nastursium-aquaticum	watercress	NI
	Rumex crispus	curly dock	FAC+
	Rumex maritimus	golden dock	FACW+
	Salix sp.	Willow	FAC-OBL
	Scirpus acutus	hard-stem bulrush	OBL
	Scirpus microcarpus	small-fruit bulrush	OBL
	Sphagnum sp.	sphagnum moss	NI
	Typha latifolia	cattail	OBL

NI = No indicator

Appendix C - Descriptions of Soil Types

APPENDIX C - Description of Soil Types

The following soils are mapped for the areas within the Port Orford LWI. Their descriptions and soil profiles were taken from the Draft Soil Survey for Curry County (Revisions from 1991 to 96).

Bandon Series:

Subgroup: Typic haplorthods. These soils consist of moderately deep, well drained soils on dissected marine terraces. Slopes are 0 to 20 percent.

0-6"	very dark grayish brown (10YR 3/2) sandy loam
6-15"	dark brown (7.5YR 3/4) sandy loam
15-23"	dark reddish brown (5YR 3/4) sandy loam

Bullards Series:

Subgroup: Typic haplorthods. These soils consist of deep, well drained soils on dissected marine terraces. Slopes are 0 to 40 percent.

0-8"	very dark grayish brown (10YR 3/2) sandy loam
8-15"	dark yellowish brown (10YR 4/4) gravelly sandy loam
15-33"	yellowish brown (10YR 5/4) gravelly sandy loam

Chetco Series:

Subgroup: Typic tropaquepts. These soils are hydric and consist of very deep, very poorly drained soils located in flood plains and lowlands. Slopes are 0 to 3 percent.

0-8"	black (10YR 2/1) silt loam with many fine distinct yellowish brown (10YR 3/2) mottles
8-12"	black (10YR 3/2) and dark grayish brown (10YR 4/2) silty clay loam with common fine distinct yellowish brown (10YR 3/2) mottles
12-22"	very dark gray (5Y 3/1) silty clay with many fine and medium distinct yellowish brown (10YR 3/2) mottles

Cunniff Series:

Subgroup: Typic palehumults. These soils consist of very deep, well drained soils located on the tops and sides of dissected marine terraces. Slopes are 0 to 30 percent.

0-12"	dark brown (7.5YR 3/2) silty clay loam
12-43"	dark reddish brown (5YR 3/4) silty clay

Depoe Series:

Subgroup: Typic duraquods. These soils are hydric and consist of shallow, poorly drained soils on nearly level or slightly depressional areas on marine terraces. Slopes are 0 to 8 percent.

0-3" dark gray (10YR 4/1) loam
3-9" grayish brown (10YR 5/2) loam
9-12" yellowish red and reddish yellow (5YR 5/6, 6/8) strongly cemented fine sand with dark red (2.5YR 3/6, 4/6) bands
12-17" strong brown (7.5YR 5/6, 5/8) strongly cemented fine sand with dark red (2.5YR 3/6, 4/6) bands

Ferrelo Series:

Subgroup: Typic dystropepts. These soils consist of very deep, well drained soils that are formed in unconsolidated sandy material on dissected marine terraces. Slopes are 0 to 60 percent.

0-18" dark reddish brown (5YR 3/2) loam

Gearhart Series:

Subgroup: Typic dystropepts. These soils consist of very deep, somewhat excessively drained soils located on marine terraces. Slopes are 0 to 30 percent.

0-12" very dark gray (10YR 3/1) fine sandy loam
12-17" dark brown (10YR 4/3) fine sand
17-23" dark yellowish brown (10YR 4/4) fine sand

Hebo Series:

Subgroup: Typic tropaquepts. These soils are hydric and consist of very deep, poorly drained soils in depressions, swales, and drainageways on marine terraces. Slopes are 0 to 7 percent.

0-5" black (10YR 2/1) silty clay loam with few fine faint dark brown (7.5YR 3/2) mottles
5-14" very dark gray (10YR 3/1) silty clay with common fine distinct dark brown and strong brown (7.5YR 3/2, 5/6) mottles
14-23" dark gray (neutral N4/) silty clay with common fine distinct strong brown (7.5YR 5/8) mottles

Loeb Series:

Subgroup: Typic haplohumults. These soils consist of deep, well drained soils located on broad ridgetops of coastal hills and mountains. Slopes are 0 to 30 percent.

0-10" dark reddish brown (5YR 3/3) silt loam
10-22" reddish brown (5YR 4/3) silty clay loam

Macklyn Series:

Subgroup: Typic haplohumults. These soils consist of deep, well drained soils located on broad ridgetops of coastal hills and mountains. Slopes are 0 to 30 percent.

0-6" dark reddish brown (5YR 3/2) silt loam
6-12" dark reddish brown (5YR 3/3) silt loam
12-22" reddish brown (5YR 4/4) silty clay loam

Millicoma Series:

Subgroup: Andic humitropepts. These soils consist of moderately deep, well drained soils on side slopes of coastal hills and mountains. Slopes are 10 to 90 percent.

0-9" very dark grayish brown (10YR 3/2) gravelly loam
9-19" dark brown (10YR 3/3) gravelly loam

Nehalem Series:

Subgroup: Fluventic humitropepts. These soils consist of very deep, well drained soils on level to slight convex areas on flood plains. Slopes are 0 to 3 percent.

0-7" very dark grayish brown (10YR 3/2) silt loam
7-18" dark brown (10YR 3/3) silt loam

Nelscott Series:

Subgroup: Typic haplorthods. These soils consist of moderately deep, well drained soils located on dissected marine terraces. Slopes are 0 to 8 percent.

0-10" very dark brown (10YR 2/2) loam
10-19" very dark grayish brown (10YR 3/2) loam

Nestucca Series:

Subgroup: Aeric tropaquepts. These soils are hydric and consist of deep, somewhat poorly drained soils located in slightly depressional or concave areas on flood plains. Slopes are 0 to 3 percent.

0-11" very dark grayish brown (10YR 3/2) silt loam
11-18" dark brown (10YR 3/3) silt loam

Reedsport Series:

Subgroup: Andic humitropepts. These soils consist of moderately deep, well drained soils located on broad ridgetops and side slopes of coastal hills and mountains. Slopes are 0 to 90 percent.

0-2" very dark gray (10YR 3/1) gravelly loam
2-8" very dark grayish brown (10YR 3/2) gravelly loam
8-17" dark brown (10YR 3/3) gravelly loam

Wadecreek Series:

Subgroup: Typic haplohumults. These soils consist of very deep, moderately well drained soils on marine terraces. Slopes are 0 to 20 percent.

0-6" very dark grayish brown (10Y 3/2) silt loam
6-15" dark brown (10YR 3/3) silty clay loam
15-34" brown (10YR 4/3) silty clay loam

Whaleshead Series:

Subgroup: Andic humitropepts. These soils consist of deep, well drained soils on broad ridgetops of coastal hills and mountains. Slopes are 0 to 30 percent.

0-10" dark reddish brown (5YR 3/3) silt loam
10-22" reddish brown (5YR 4/3) silty clay loam

Table 1. Wetland Classification and Acreage.

Wetland No.	Classification	Acreage	Sample Plots	Tax Map No.	LWI Map No.	Significant Wetland[2]
1	PFO/EM	2.17	OD[1]	321529C	2	
2	PSS/EM	1.21	OD[1]	321529C	2	✓
3	PFO/EM	4.35	OD[1]	321532B	9	✓
4	PFO/PSS	5.71	3, 4	321531AD	8, 9	✓
5	PEM/PSS	7.06	12, 13, 14, 15	321529D	3, 4	✓
6	PFO	3.39	OD[1]	321529D	3	✓
7	PEM	0.49	16, 17	321529D	3	✓
8	PEM	39.06	18, 19, 77	321532DA	10, 14, 15, 17	✓
9	PEM/PFO	1.89	6, 7	321532B	9	✓
10	PSS	5.51	8, 9	321532B	13	✓
11	PSS	5.09	42, 43	321532DA	15	✓
12	PFO	0.36	44	321533CB	16, 19	
13	PFO	0.13	74, 75	321531AD	15, 16, 19	✓
14	PEM/PSS	5.76	1, 2, 10, 11	321531D	12, 13, 21, 22, 29	✓
15	PSS	3.58	45, 46	321532DA	15, 18, 19, 25	✓
16	PFO	3.16	74, 75	321533C	19	✓
17	PSS	0.83	47, 48	321533C	19	✓
18	PFO	3.62	56, 57	33154A	20, 27	✓
19	PFO	0.35	55	33154A	27	✓
20	PSS/PEM	0.59	OD[1]	3315BC	33	
21	PEM	1.68	25	33155BA	22	✓
22	PFO	0.70	23, 24	33155BA	22	✓
23	PABH	5.63	20, 21, 22	33155AB1	22, 23	✓
24	PSS	0.12	76	33155AA	24	
25	PEM	5.16	34, 35	33155AA	23, 24, 32	✓
26	PFO	1.42	36-40	33155AA	24, 25	
27	PEM	1.53	26-29	33155BC	29	✓
28	POWW	2.34	OD[1]	33155BD	30	
29	PSS	4.25	30-33	33155BD	30, 31	✓
30	PEM	2.22	65, 66, 70	33155BC	29, 44	
31	PEM	0.37	67	33155BC	44	✓
32	PFO	0.38	68, 69	33155BC	44	✓
33	PSS	0.65	71, 72	33155C	29	✓
34	PFO	5.28	60, 61	33154B	25, 26, 37, 38	✓
35	PFO	0.17	62	33154CB	37, 38	✓
36	PFO	12.10	58, 59	33154A	20, 27, 39	✓
37	PSS	1.29	OD[1]	33154D	39	✓
38	PEM	5.05	52	33154D	41	✓
39	PFO	1.13	53, 54	33159A	41	✓
40	PSS	3.27	63, 64	33159A	41	✓
41	PFO	31.17	51, 81	33153C	40, 42	✓
42	PEM	0.89	79, 80	331510B	41, 42	✓
43	PEM	7.54	49, 50	33153C	40	✓
44	PEM/Mosaic	1.22	41	321529A	1	✓
45	PEM	0.82	26-29	321532B	13	✓
Total Acreage		190.69				

[1] OD = Off-site Determination

[2] See Section 4.2 and Appendix G

Table 2. Wetland Classification (NWI)

System[1]	Subsystem	Class	Modifiers
P = Palustrine		FO = Forested	H = permanently flooded
M = Marine	2 = intertidal	SS = Shrub/scrub	W = intermittently flooded
R = Riverine	1 = tidal	EM = Emergent	
	2 = lower perennial	US = Unconsolidated Shore	
	3 = upper perennial	SB = Stream Bed	
L = Lacustrine	1 = limnetic	OW = Open Water	
	2 = littoral	AB = Aquatic Bed	

Palustrine systems are defined as all nontidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 $^{0}/_{00}$. The marine system consists of the open ocean overlying the continental shelf and its associated high-energy coastline. Riverine systems includes all wetlands and deepwater habitats contained within a channel with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts in excess of 0.5 $^{0}/_{00}$. The Lacustrine system includes wetlands and deepwater habitats with all of the following characteristics: (1) situated in a topographic depression or a dammed river channel; (2) lacking trees, shrubs, persistent emergents, emergent mosses or lichens with greater than 30% areal coverage; and (3) total area exceeds 8 ha (20 acres).

Plant species were classified according to moisture tolerance and placed in the following indicator categories: obligate wetland (OBL), facultative wetland (FACW), facultative (FAC), facultative upland (FACU), or upland (UPL) according to Reed (1988). In undisturbed areas, hydrophytic vegetation is considered to be present if greater than 50 percent of the dominant species from all strata (tree, shrub, vine, herbaceous) are obligate wetland, facultative wetland, and/or facultative plant species. Plant nomenclature follows Soil Conservation Service (1982). A list of common and scientific names of plant species identified during field surveys is included in Appendix B.

Soil test pits were excavated within each wetland and in an adjacent upland area. Each pit was inspected to a depth of 18 inches to determine presence or absence of hydric (wetland) conditions. Soil texture, matrix color, and presence of mottles or gleying were recorded. Soil hue, value, and chroma were determined using a Munsell Soil Color Chart (Kollmorgen Instruments Corporation, 1988). Appendix C contains a brief descriptions of the soil types that were identified during field surveys.

The presence or absence of wetland hydrology at each sample plot was also evaluated. Wetland hydrology is defined as permanent or periodic inundation or saturation of the soil for sufficient duration to develop hydric soils that support vegetation typically adapted for life in periodically anaerobic soil conditions (COE 1987). The presence of standing water or the depth to water in soil pits was recorded at each wetland sample plot. Presence of other hydrological indicators, such as water marks, drift lines, water-borne sediment deposits, water-stained leaves, and oxidized root channels associated with living roots, were also recorded. Summary Sheets for each wetland are contained in Appendix D.

Where access was not granted, wetland determinations were based on observations from adjacent property, aerial photographs, soil surveys, NWIs, and topographic maps.

3.3 QUALITY ASSESSMENT

Wetland functions and conditions were assessed using the OFWAM (Roth et al. 1996). The OFWAM is intended to collect basic wetland information for use in planning or to support decision-making for a particular geographic area. It is based on the idea that functions and conditions of a wetland system must be understood at the local, state, and federal levels in order to make management decisions.

The OFWAM asks a series of questions about a wetland and then rates functions and conditions for certain qualities. The method assesses six wetland functions: wildlife habitat, fish habitat, water quality, hydraulic control (flood storage), education, and recreation. Sensitivity to impacts, enhancement potential, and aesthetics are also evaluated for relative condition. All identified wetlands were evaluated using the OFWAM. Wetlands may have been lumped together for assessment purposes if they were connected hydrologically and under relatively the same land use. Results are summarized in Appendix E.

3.4 RIPARIAN ASSESSMENT

Riparian areas were evaluated to identify areas in which a greater than 50 foot per side buffer would be beneficial, and to describe the existing riparian areas. Riparian areas were identified prior to the field work on the index map by off-setting all drainage areas with a 50 foot per side buffer area. These area, were evaluated in the field to identify areas where additional buffer width might be warranted.

4.0 STUDY AREA SUMMARY

The study area (UGB) encompasses 3,670 acres surrounding the City of Port Orford (Figure 2). Approximately 191 acres of wetlands were identified within this area and are summarized below.

4.1 WETLANDS

Forty-five wetlands were identified that fall within the LWI mapping criteria (Table 1). Five of the wetlands are smaller than minimum LWI resolution of 0.5 acres, but were included to best describe the character of the wetland resources of the study area.

Summary sheets for each wetland (Appendix D) include identification numbers that refer to the wetland tax lot maps. Other summary information includes the approximate location, wetland type, acreage, wetland criteria, function/condition code, and comments about the wetland boundaries or specific delineation methodology used. Routine wetland determination sheets for all wetland and upland plots are included in Appendix F. Table 1 provides a summary of the classification and acreage of each wetland in the study area.

4.2 OFWAM RESULTS

The results of the OFWAM wetland assessment are summarized in the Function and Condition Summary Sheets (Appendix E). Sheets were prepared for each wetland or group of wetland (many were lumped together, see Section 3.3), which outline the current conditions of the following functions: wildlife habitat, fish habitat, water quality, hydrologic control, sensitivity to impact, enhancement potential, education, recreation, and aesthetic quality (OFWAM Section VI, Roth et al. 1996). Assessment results were based on data collected in the field (April 1999) as well as on general site information questions completed in the office. Each sheet also includes a brief narrative description of the overall wetland functions and conditions.

Wetlands were also assessed for classification as Locally Significant Wetlands. Criteria for this classification is located in Appendix G. The majority of wetlands in Port Orford were considered significant. The main reasons many met the significance criteria, are: 1) wetlands are considered to be in an urban location in close proximity to Highway 101 and developed area of Port Orford; 2) they possess flood storage capabilities; and 3) they are relatively intact with only minor impacts (i.e., at road crossings). Reasoning for the significance classification for each wetland or group of wetlands is described in the narrative portion of the OFWAM Summary Sheets (Appendix E).

4.3 RIPARIAN AREAS

The majority of wetlands in the study area are associated with small streams. Topography confines these areas to narrow riparian corridors in the floodplains (Figure 1). These floodplain areas are dominated by sedges (*Carex* sp.), rushes (*Juncus* sp.), and skunk cabbage (*Lysichitum americanum*) immediately adjacent to the small streams. A canopy dominated by willows (*Salix* sp.) and alder (*Alnus rubra*) shades

the stream. The majority of these corridors are between 10 and 50 feet wide. Consequently, the 50 foot per side set-backs are adequate protection for most areas. In areas that topography does not limit the riparian area to 50 feet or less, wetland characteristics are present past 50 feet. That is, no non-wetland riparian areas were noted outside of the 50 foot set-back. However, since wetlands do extend outside the 50 foot set-back in some areas, a set-back or buffer of a minimum of 25 feet would be appropriate in these areas to help protect the resource. These areas are shown in Figure 1 and include wetlands 3, 4, 8, 38, 39, 41, 42, and 43. Wetland 26 is associated with a stream however, this area has been severely impacted by development; therefore, preventing future development within the 50-foot setback is desirable. The Hubbard Creek Reservoir and its tributaries may warrant additional protection beyond that of the riparian area. This area, which includes Wetlands 18 and 19 (Figure 1), is the City's primary source of drinking water The majority of the other areas observed have not been degraded and the set-backs should be adequate to maintain the current conditions.

5.0 USE OF THE WETLAND INVENTORY

To use the inventory, refer to the Index Map (Figure 1) to locate the area of interest. If wetlands are indicated in the area, go to Table 1 (LWI Map Number). Table 1 will identify what tax maps contain wetlands. If the tax lot in question is on a tax map listed in Table 1, refer to the corresponding map number and tax map number. The LWI map is overlain onto the tax map to determine where and how much wetland is located on the area of interest.

Table 1 also indicates significance of wetlands. Results from the assessment and determination of significance are located in Appendices C and G. If additional information is desired, go to the Wetland Summary Sheets (Appendix D) by referring to the wetland number on the map. Wetland Summary Sheets are arranged by wetland number. Wetland Function and Condition Summaries for each wetland are in Appendix E and are also arranged by wetland number. If a sample plot was collected at the wetland, a plot number is indicated on the Wetland Summary Sheets. Routine Wetland Data Sheets containing information collected during the site visits are arranged by plot number in Appendix F.

The presence or absence of wetlands on the inventory map is not definitive, and wetlands smaller than 0.5 acre may have been missed during verification. DSL can make on-site determinations at the request of landowners, and formal wetland delineations may be required if any disturbance or development action is proposed on any property.

6.0 LITERATURE CITED

Beak. 1996. Draft Local Wetland Inventory for the City of Port Orford and Curry County UGB Area. Prepared for the Oregon Division of State Lands. Beak Consultants Incorporated. March 1996.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep water habitats of the United States. U.S. Fish and Wildl. Serv. Pub. FWS/OBS-79-31.

Environmental Laboratory. 1987. "Corps of Engineers Wetlands Delineation Manual." Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, Miss.

Franklin, J.F., and C.T. Dyrness. 1973. Natural Vegetation of Oregon and Washington. USDA Forest Service General Technical Report PNW-8, Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture, Portland, Oregon. 417p.

Kollmorgen Instruments Corporation. 1988. Munsell Soil Color Charts. Macbeth Division of Kollmorgen Instruments Corporation, Baltimore, MD.

Roth, E.M., R.D. Oleson, P.L. Snow, and R.R. Sumner. 1996. Oregon Freshwater Wetland Assessment Methodology. Ed. By S.G.McCannell. Oregon Division of State Lands. Salem, OR.

Reed, P.B., Jr. 1988. National list of plant species that occur in wetlands. Northwest (Region 9). U.S. Fish and Wildl. Serv. Biol. Rep. 88(26.9). 89pp.

Natural Resource Soil Conservation Service. Unpublished Report. Soil Survey of Curry County, Oregon. Natural Resource Soil Conservation Service, Washington, D.C.

U.S. Soil Conservation Service. 1992. Oregon hydric soil list. 15pp.

Oregon
John A. Kitzhaber, M.D., Governor

Division of State Lands
775 Summer Street NE
Salem, OR 97310-1337
(503) 378-3805
FAX (503) 378-4844
TTY (503) 378-4615

State Land Board
John A. Kitzhaber
Governor
Phil Keisling
Secretary of State
Jim Hill
State Treasurer

November 8, 1999

Gary Doran
Mayor
City of Port Orford
PO Box 310
Port Orford, OR 97465

RE: Approval of Port Orford Local Wetlands Inventory and Assessment

Dear Mr. Doran:

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

Alert reviewers will note that the approved inventory map shows the old Garrison Lake, rather than Garrison Estuary as it is today. The map is a snapshot of conditions as they were when the final draft was submitted. The changing shoreline emphasizes the need for field verification of wetland boundaries at the time of application of your ordinance on any given parcel. Also, when the Division reviews and approves wetland delineations, we will send copies to the city so that you can pencil in changes and annotate your copy of the inventory to keep it up to date.

Approval by the Division means that the LWI becomes a part of the Statewide Wetlands Inventory. The LWI and functional assessment form the foundation for your wetland planning under Statewide Planning Goal 5. Also, the LWI must now be used by the city instead of the National Wetlands Inventory for the Wetland Land Use Notification Process (ORS 227.350). The final requirement for the inventory is for the city to notify property owners with wetlands mapped on their property within 120 days of this approval.

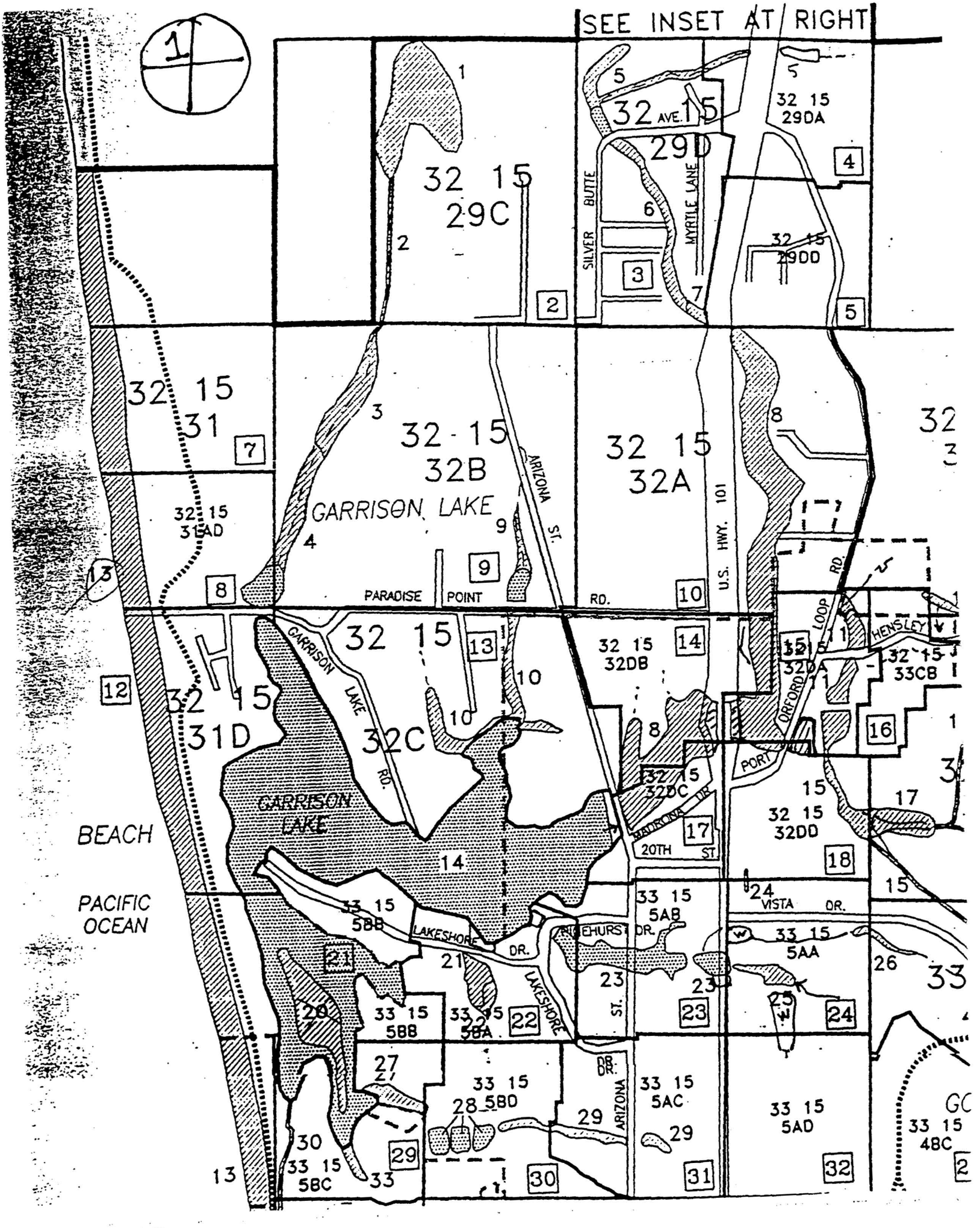
While considerable effort has been made to accurately identify most wetlands within the study area, the Division's approval does not guarantee that all regulated wetlands have been mapped. Exact wetland boundaries have not been staked or surveyed, and there are inherent limitations in mapping accuracy. The Division advises that anyone proposing land alteration on parcels containing mapped wetlands first contact the Division, or obtain a wetland boundary delineation by a qualified consultant and submit it to the Division for approval prior to the land alteration.

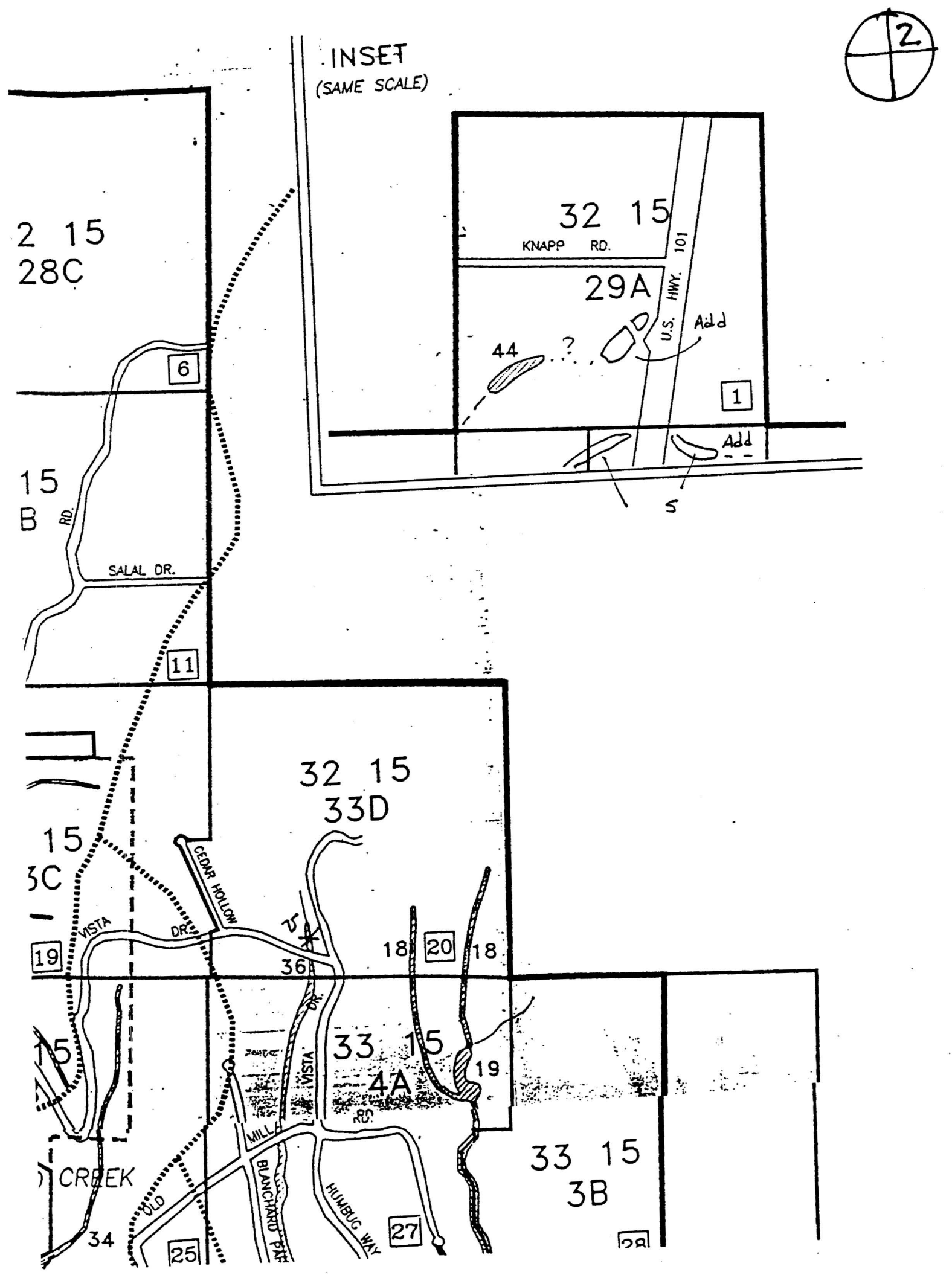
We are pleased that the City of Port Orford has conducted a thorough wetlands inventory and has made wetland planning a high priority. We look forward to working with you and your staff as you continue with the Goal 5 wetland planning effort.

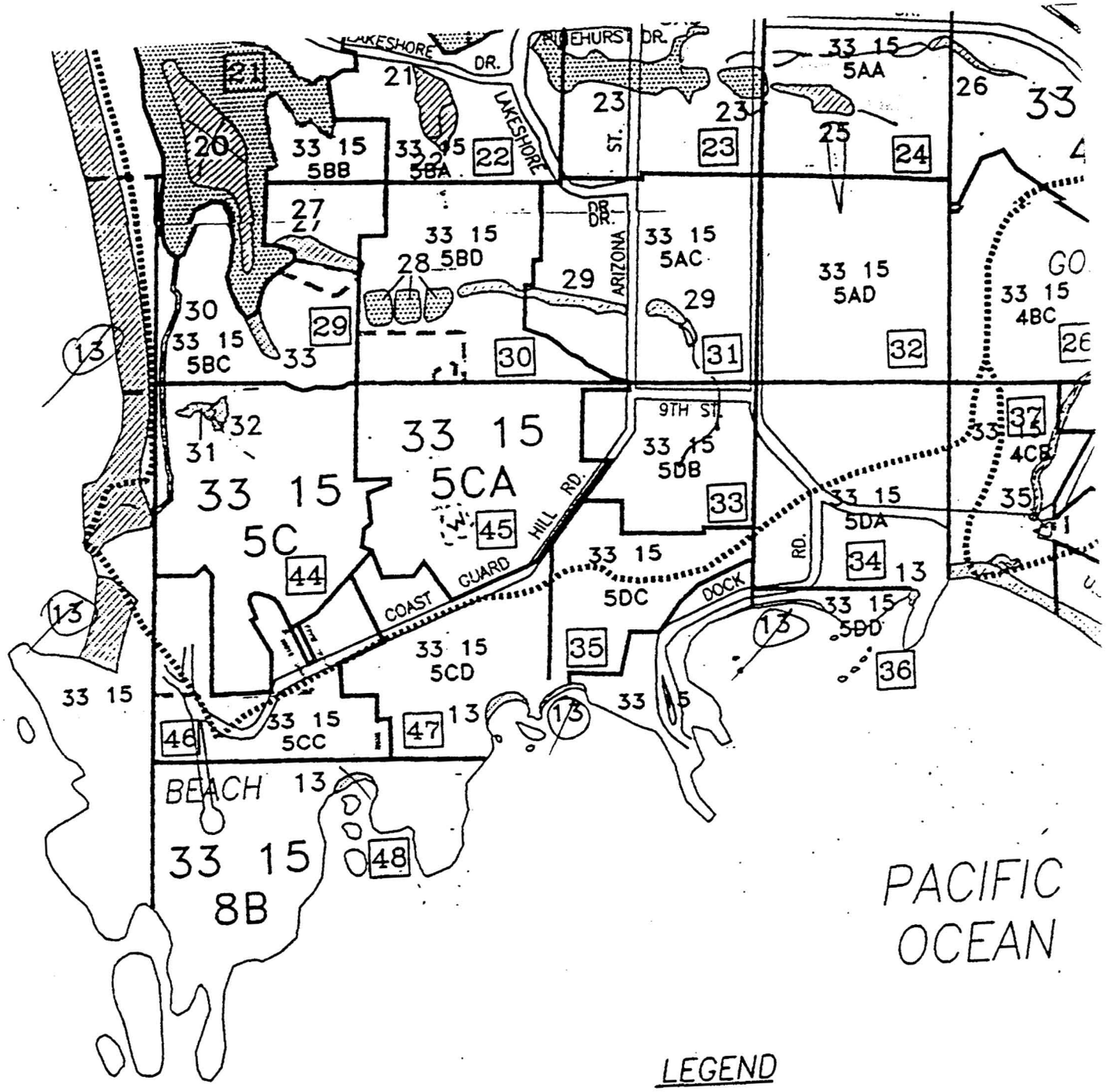
Sincerely,

Paul R. Cleary
Director

cc: Martha Weaver-Britell, interim City Administrator
Chuck Nordstrom, Curry County
Greg Summers, Beak Consultants Inc.
Jeff Weber and Dave Perry, DLCD
Yvonne Vallette, EPA
Jim Goudzwaard & Ron Marg, Corps of Engineers
John Marshall, FWS, Portland Field Office
Dennis Peters, FWS Regional Office
Patty Snow, ODFW
Tom Melville, DEQ
John Lilly, DSL
Mike McCabe, DSL


SEE INSET AT RIGHT
1
32 15 29C
32 15 29D
32 AVE.
32 15 29DA
32 15 29DD
SILVER BUTTE
MYRTLE LANE
32 15 31
32 15 31AD
32 15 32B
GARRISON LAKE
ARIZONA ST.
32 15 32A
U.S. HWY. 101
PARADISE POINT RD.
32 15 31D
32 15 32C
GARRISON LAKE RD.
32 15 32DB
32 15 32DA
32 15 33CB
HENSLEY LOOP RD.
ORFORD
PORT
32 15 32DC
MADRONA DR.
20TH ST.
32 15 32DD
BEACH
PACIFIC OCEAN
33 15 5BB
LAKESHORE DR.
33 15 5AB
PINEHURST DR.
VISTA DR.
33 15 5AA
33 15 5BB
33 15 5BA
33 15 5BD
33 15 5AC
33 15 5AD
33 15 5BC
ARIZONA DR.
ST.
GC
33 15 48C


2
INSET
(SAME SCALE)
32 15
KNAPP RD.
29A
U.S. HWY. 101
Add
44
1
Add
5
2 15
28C
6
15
B
RD.
SALAL DR.
11
32 15
33D
15
3C
CEDAR HOLLOW
VISTA
DR.
19
36
18
20
18
33 15
4A
19
VISTA
DR.
RD.
MILL
CREEK
BLANCHARD PARK
OLD
HUMBUG WAY
34
25
27
33 15
3B
28



LEGEND

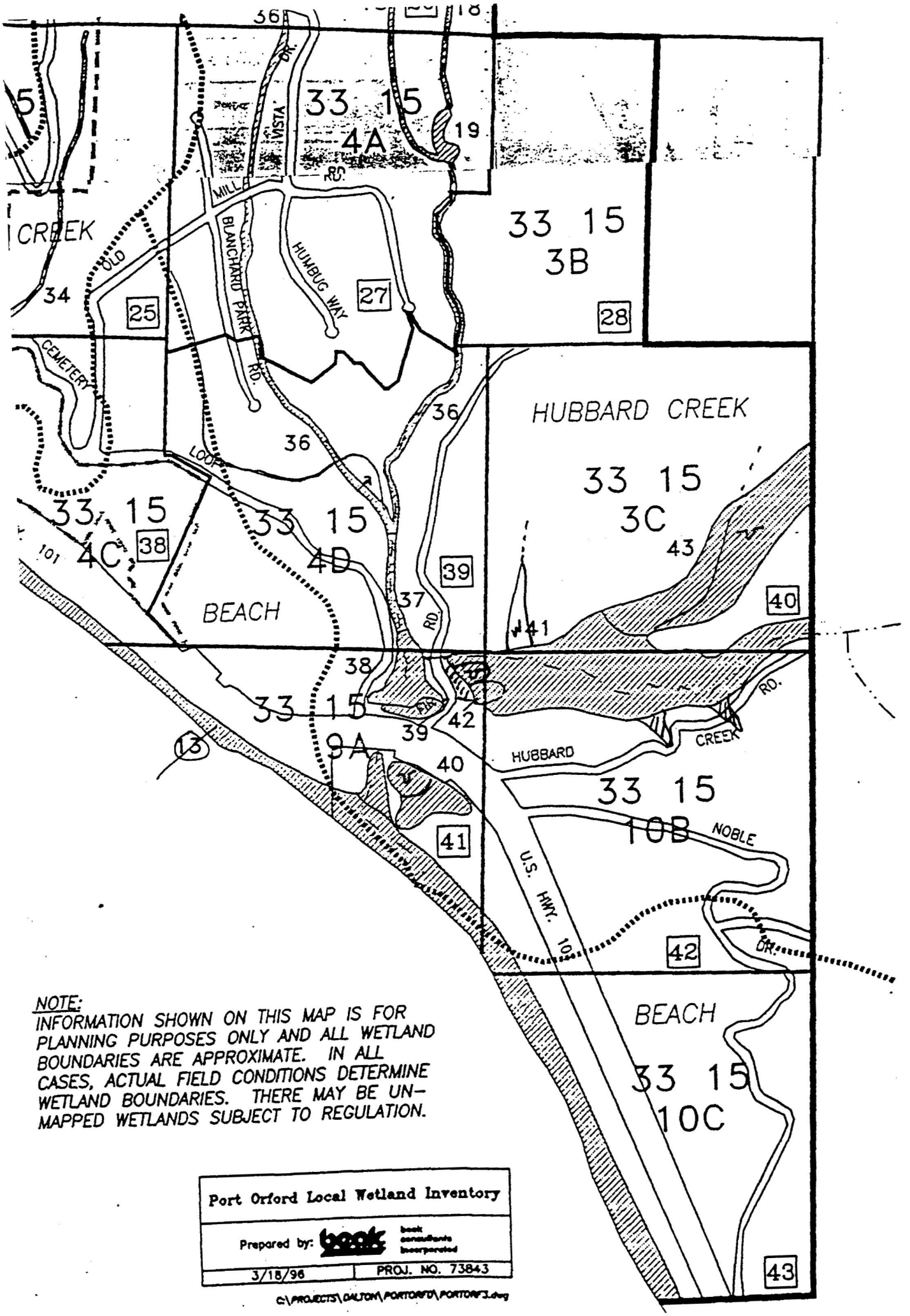
- WETLANDS
- OPEN WATER
- BEACH — HYDROLOGIC SUB-BASINS
- STREAMS (WETLANDS WITHIN BANKS OF STREAM CHANNEL)
- 15 — WETLAND I.D. NUMBER
- TAX LOT MAP BOUNDARIES
- URBAN GROWTH BOUNDARY
- CITY LIMITS
- STREET RIGHT-OF-WAYS
- 22 — TAX LOT INDEX NUMBER

N

0 500 1000
SCALE IN FEET

0 100 200
SCALE IN METERS

3



NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

Port Orford Local Wetland Inventory	
Prepared by: beak consultants incorporated	
3/18/96	PROJ. NO. 73843

C:\PROJECTS\DALTON\PORTORFD\PORTORF3.dwg

4

Mack Arch on the Curry Coast
COUNTY OF CURRY

DEPARTMENT OF PUBLIC SERVICES

PLANNING • ENVIRONMENTAL SANITATION • BUILDING

P.O. BOX 746 GOLD BEACH, OREGON 97444 PHONE 247-7011 EXT 225

July 18, 1991

DIVISION OF STATE LANDS
Jul 22 9 22 AM '91

Mr. Ken Bierly
Division of State Lands
775 Summer Street NE
Salem, OR 97310

Dear Ken:

This letter is to confirm that you or your representative will be attending the City of Port Orford Planning Commission meeting of August 6, 1991 as we discussed in our telephone conversation of a couple of weeks ago. I am planning a an afternoon field session to look at areas that are possible wetlands located within the city as identified on the map submitted by the Audobon Society. The evening Planning Commission meeting will be a workshop session for you to present a summary of the Oregon wetlands program and to answer questions regarding the implementation of the wetlands regulations. I have included the proposed agenda for your review and comment.

If you have any questions regarding this matter please call me at your earliest convenience.

Sincerely,

Chuck

Chuck Nordstrom
Planning Director

cc: Dean Madison, City Mgr.
Ellen Warring, Audobon Soc.
Planning Commission

PORT ORFORD PLANNING COMMISSION

REGULAR MEETING

August 6, 1991

I. Field Trip with Wetlands Specialist from the Oregon Division of State Lands

Participants: DSL Staff, City Council Members, City Planning Commission Members, City Staff, Audobon Society Members

2:00 PM Meet at City Hall

2:15 - 4:30 Tour of various sites within the City of Port Orford by automobile which may be regulatory wetlands

4:30 PM Return to City Hall - Discussion of wetlands within city jurisdiction

II. Presentation by DSL Wetlands Specialist - "Oregon's Wetland Protection Program"

7:00 PM City Council Chambers
Port Orford City Hall
20th and Idaho St.
Port Orford, Oregon

This meeting is open to the public and all interested persons are encouraged to attend and participate in the discussion.

Port Orford E
Inventory

KALMIOPSIS AUDUBON SOCIETY

P.O. Box 1265 Port Orford, Oregon
97465

Division of State Lands
Ken Bierly
775 Summer NE
Salem, Oregon 97310

Dear Mr. Bierly,

Enclosed you will find the wetland map of Port Orford, Oregon.

The map was done during March, April and May of 1991. The criteria we used was (1) Standing Water; (2) Skunk Cabbage and/or Cattails.

The maps are or will soon be, presented to the City Planning Commission for their comment.

Our intent is simply to give each city in Curry County a rough guideline to the wetlands within their jurisdiction.

We hope that our map will meet your approval. If you have any comments please call (503)332- 2675 and ask for Rick Hazard.

Sincerely yours,

Rick

Kalmiopsis Audubon Society
P.O. Box 1265
Port Orford, Oregon 97465

© Lauriat '82

Oregon

DIVISION OF
STATE LANDS

STATE LAND BOARD
BARBARA ROBERTS
Governor
PHIL KEISLING
Secretary of State
ANTHONY MEEKER
State Treasurer

June 6, 1991

Rick Hazard
Kalmiopsis Audubon Society
PO Box 1265
Port Orford, OR 97465

Re: Wetland Map of Port Orford

Dear Mr. Hazard:

Thank you for sending us a copy of your wetland map of Port Orford. Due to older, poor quality National Wetlands Inventory (NWI) coverage of Curry County, additional mapping efforts are particularly crucial. Using the zoning map as a base makes the wetland map very usable by the city, Realtors, builders, whomever -- and the Division of State Lands.

Although the Division cannot officially adopt the map as a Local Wetlands Inventory (see enclosed draft of inventory and mapping standards), I would be happy to endorse its use by the city as a conservative guidance to wetlands in Port Orford. Your criteria for wetland identification (standing water and skunk cabbage and/or cattails) should eliminate much chance of a non-wetland being mapped as wetland.

Since you plan to prepare wetland maps for each city in Curry County, I'd like to offer a few <u>suggested additions</u> to the map "legend":

- Date of Wetland Inventory
- Criteria for wetland determination (standing water etc.)
- "Note: This wetland map is not comprehensive; there will be unmapped wetlands. All wetlands and other waters of the state, mapped or not, may be subject to local, state, and/or federal regulation. Questions about regulations should be directed to the local planning department, Oregon Division of State Lands, and/or U.S. Army Corps of Engineers."

775 Summer Street NE
Salem, OR 97310
(503) 378-3805
FAX (503) 378-4844

- "Wetland information shown on this map is of a generalized nature. In all cases, actual field conditions determine wetland boundaries, which often must be delineated by a wetland consultant.

The above "disclaimers" are a bit lengthy, but as you know, there is a tendency for people to rely on mapped information as 100% complete, accurate, and sufficient for all purposes. Therefore, it's important to be very clear about what the maps do and don't represent.

Good luck with your future mapping efforts. If I can be of any help, please let me know.

Sincerely,

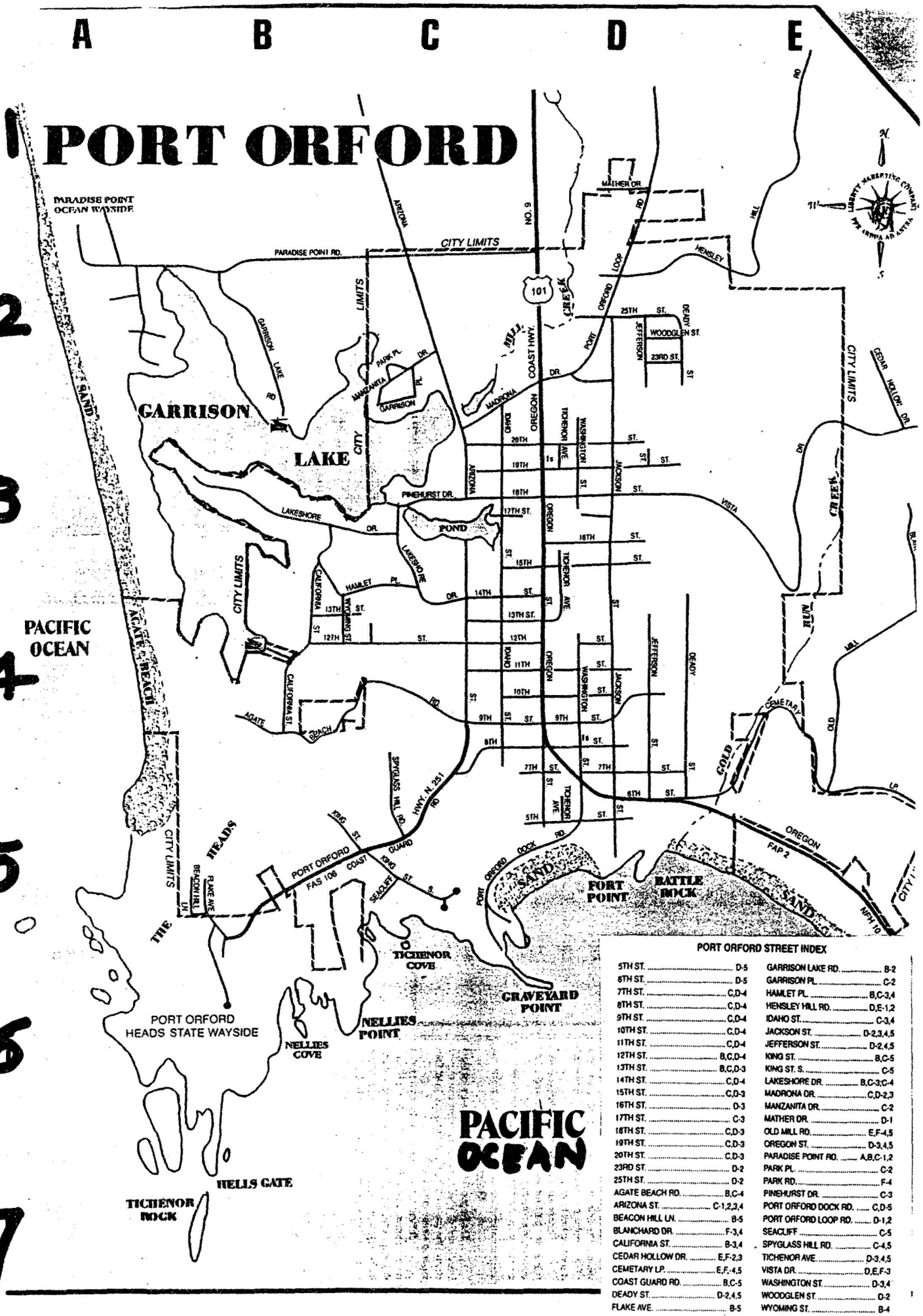
Janet C. Morlan

Janet C. Morlan
Wetlands Program

JCM/jcm
jan:427

Enclosures

cc: Jim Goudzwaard, Corps of Engineers
John Craig, Corps of Engineers, Coos Bay
Chuck Nordstrom, Curry County Planning Dept.



PORT ORFORD STREET INDEX

5TH ST.	D-5	GARRISON LAKE RD.	B-2
6TH ST.	D-5	GARRISON PL.	C-2
7TH ST.	C,D-4	HAMLET PL.	B,C-3,4
8TH ST.	C,D-4	HENSLEY HILL RD.	D,E-1,2
9TH ST.	C,D-4	IDAHO ST.	C-3,4
10TH ST.	C,D-4	JACKSON ST.	D-2,3,4,5
11TH ST.	C,D-4	JEFFERSON ST.	D-2,4,5
12TH ST.	B,C,D-4	KING ST.	B,C-5
13TH ST.	B,C,D-3	KING ST. S.	C-5
14TH ST.	C,D-4	LAKESHORE DR.	B,C-3;C-4
15TH ST.	C,D-3	MADRONA DR.	C,D-2,3
16TH ST.	D-3	MANZANITA DR.	C-2
17TH ST.	C-3	MATHER DR.	D-1
18TH ST.	C,D-3	OLD MILL RD.	E,F-4,5
19TH ST.	C,D-3	OREGON ST.	D-3,4,5
20TH ST.	C,D-3	PARADISE POINT RD.	A,B,C-1,2
23RD ST.	D-2	PARK PL.	C-2
25TH ST.	D-2	PARK RD.	F-4
AGATE BEACH RD.	B,C-4	PINEHURST DR.	C-3
ARIZONA ST.	C-1,2,3,4	PORT ORFORD DOCK RD.	C,D-5
BEACON HILL LN.	B-5	PORT ORFORD LOOP RD.	D-1,2
BLANCHARD DR.	F-3,4	SEACLIFF	C-5
CALIFORNIA ST.	B-3,4	SPYGLASS HILL RD.	C-4,5
CEDAR HOLLOW DR.	E,F-2,3	TICHENOR AVE.	D-3,4,5
CEMETARY LP.	E,F-4,5	VISTA DR.	D,E,F-3
COAST GUARD RD.	B,C-5	WASHINGTON ST.	D-3,4
DEADY ST.	D-2,4,5	WOODGLEN ST.	D-2
FLAKE AVE.	B-5	WYOMING ST.	B-4

PORT ORFORD WETLANDS

TAX LOT MAP #	BEAK DWG. NAME	PLOTTED SCALE
32 15 29A	TAXMAP01	1" = 400'
32 15 29C	TAXMAP02	1" = 400'
32 15 29D	TAXMAP03	1" = 400'
32 15 31AD	TAXMAP08	1" = 200'
32 15 32B	TAXMAP09	1" = 400'
32 15 32A	TAXMAP10	1" = 400'
32 15 31D	TAXMAP12	1" = 400'
32 15 32C	TAXMAP13	1" = 400'
32 15 32DB	TAXMAP14	1" = 200'
32 15 32DA	TAXMAP15	1" = 200'
32 15 33CB	TAXMAP16	1" = 200'
32 15 32DC	TAXMAP17	1" = 200'
32 15 32DD	TAXMAP18	1" = 200'
32 15 33C	TAXMAP19	1" = 400'
32 15 33D	TAXMAP20	1" = 400'
33 15 5BA	TAXMAP22	1" = 200'
33 15 5AB	TAXMAP23	1" = 200'
33 15 5AA	TAXMAP24	1" = 200'
33 15 4B	TAXMAP25	1" = 400'
33 15 4A	TAXMAP27	1" = 400'
33 15 5BC	TAXMAP29	1" = 200'
33 15 5BD	TAXMAP30	1" = 200'
33 15 5AC	TAXMAP31	1" = 200'
33 15 5DA	TAXMAP34	1" = 200'
33 15 5DD	TAXMAP36	1" = 200'
33 15 4CB	TAXMAP37	1" = 200'
33 15 4C	TAXMAP38	1" = 400'
33 15 4D	TAXMAP39	1" = 400'

33 15 5 BB 21

TAX LOT MAP #	BEAK DWG. NAME	PLOTTED SCALE
33 15 3C	TAXMAP40	1" = 400'
33 15 9A	TAXMAP41	1" = 400'
33 15 10B	TAXMAP42	1" = 400'
33 15 10C	TAXMAP43	1" = 400'
33 15 5C	TAXMAP44	1" = 400'
33 15 5CD	TAXMAP47	1" = 200'
33 15 8B	TAXMAP48	1" = 400'

1/4 CORNER

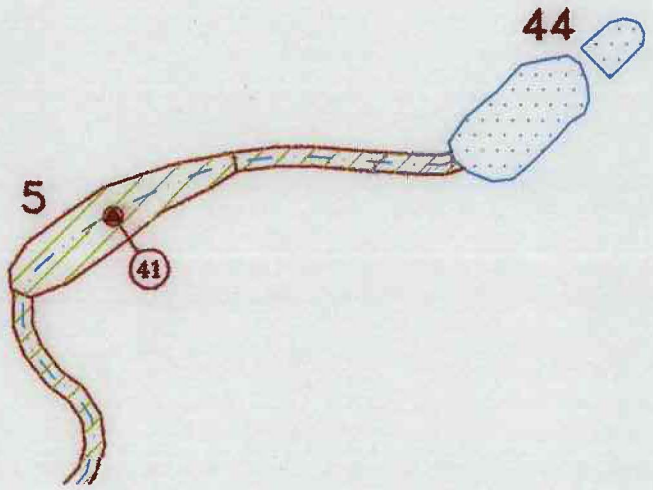
20 21
29 28

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

N

0 100 200 300 400

SCALE IN FEET



CENTER SECTION

TAX LOT MAP #: 32 15 29A

LEGEND

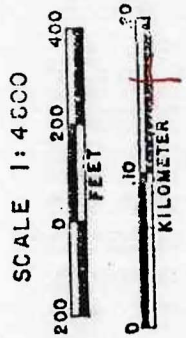
- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

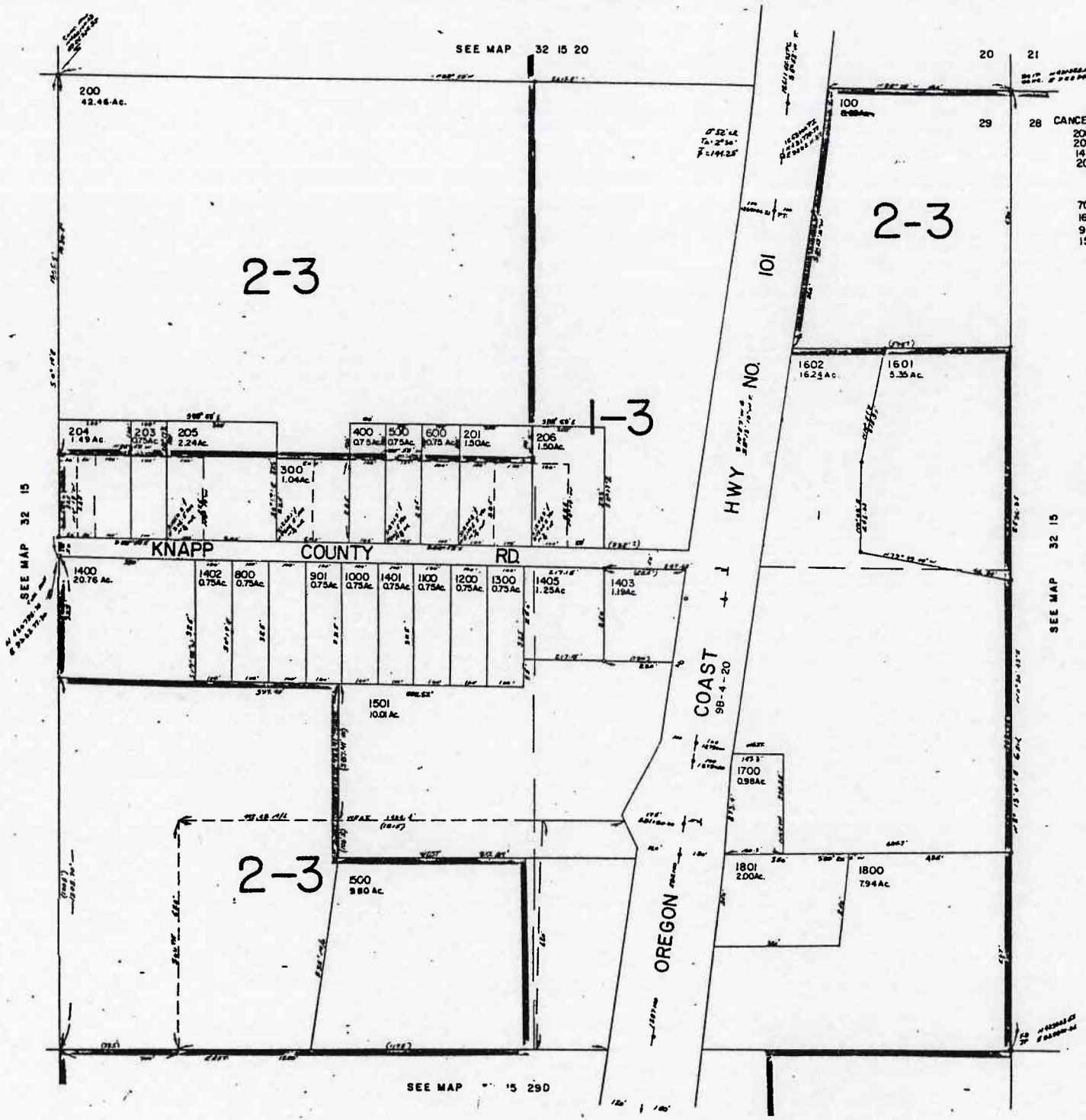
1/4 CORNER

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP01.dwg

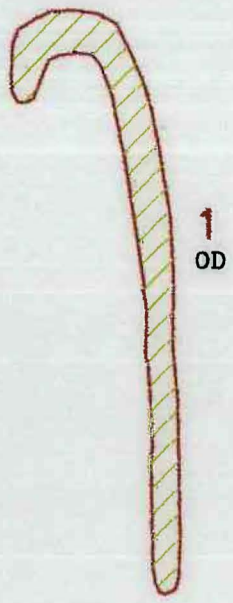
NE1/4 SEC 29 T.32S. R.15W. W.M.
(RY UNTY
1"= 200





1/4 CORNER

CENTER SECTION



0 100 200 300 400

SCALE IN FEET

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

TAX LOT MAP #: 32 15 29C

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

30 29
31 32

1/4 CORNER

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP02.dwg

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.

SW1/4 S 29 T.32S. R.15W. W.M.
CURRY COUNTY

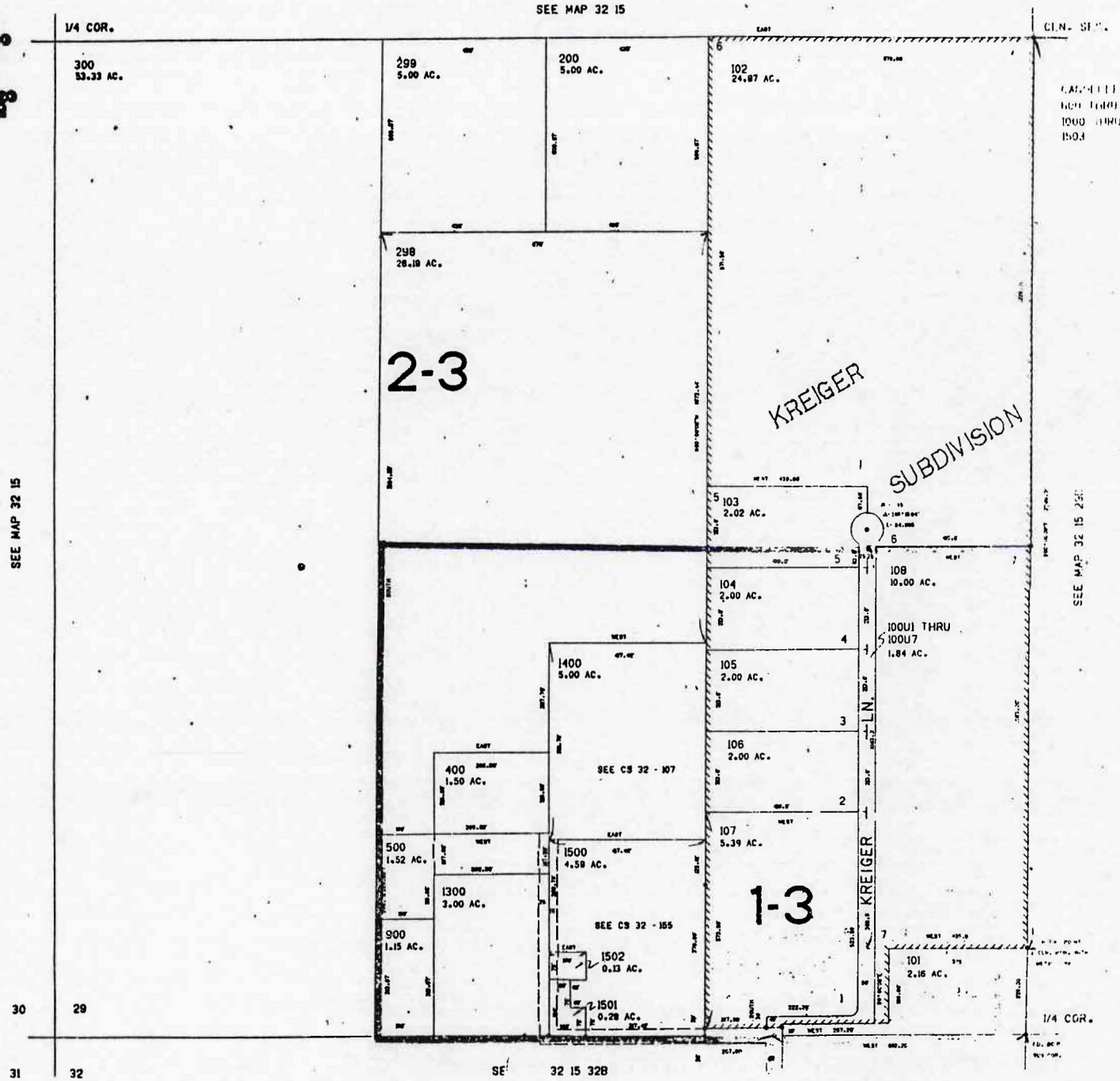
1"=200'

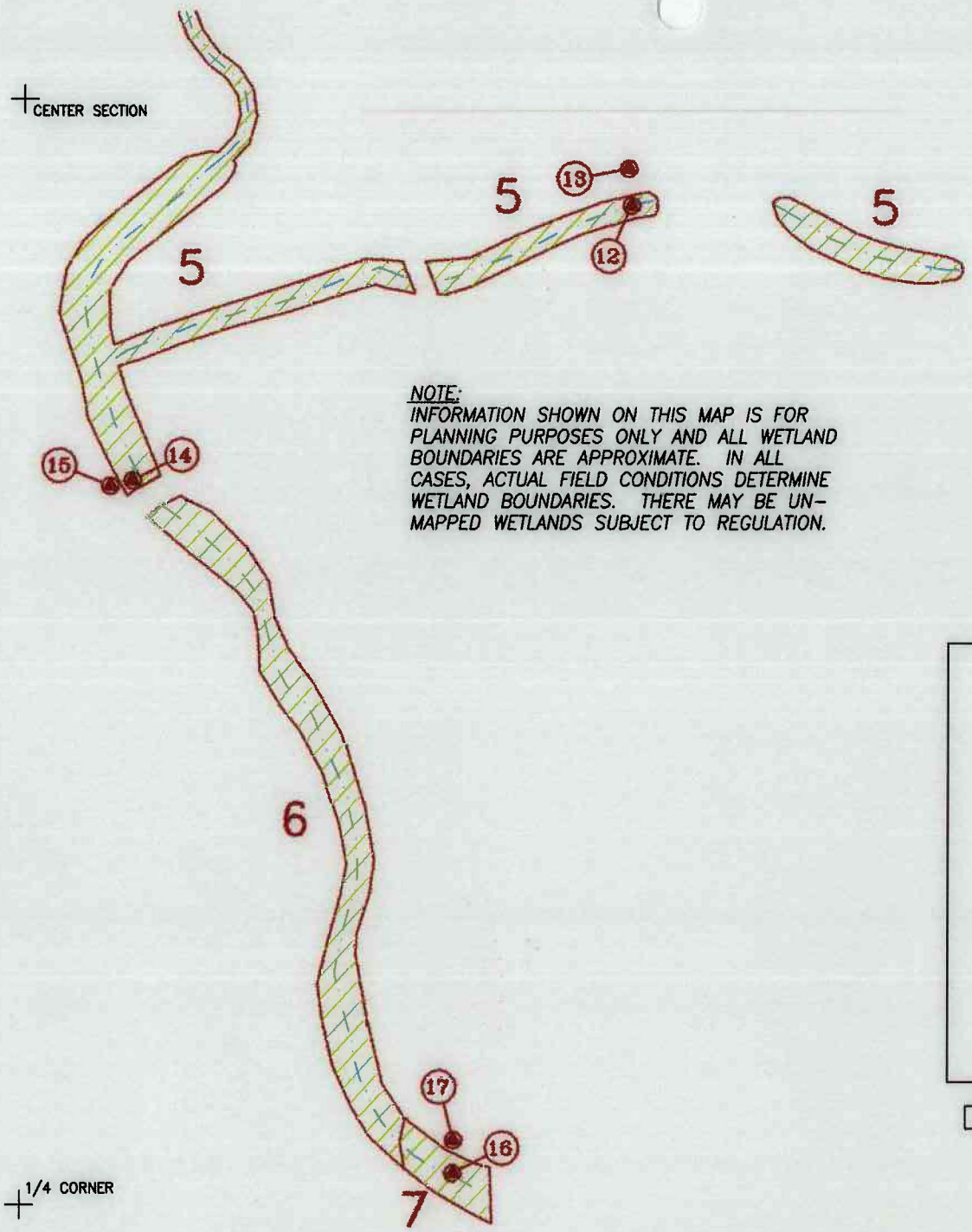
3 29C

SCALE 1:4800

200 0 200 400
FEET

0 .10 .20
KILOMETER





NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

N

0 100 200 300 400

SCALE IN FEET

TAX LOT MAP #: 32 15 29D

LEGEND

	WETLAND
	OPEN WATER
5	WETLAND IDENTIFIER
14	SAMPLE PLOT
OD	OFF-SITE DETERMINATION
	STREAM

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP03.dwg

FD. BRASS CAP

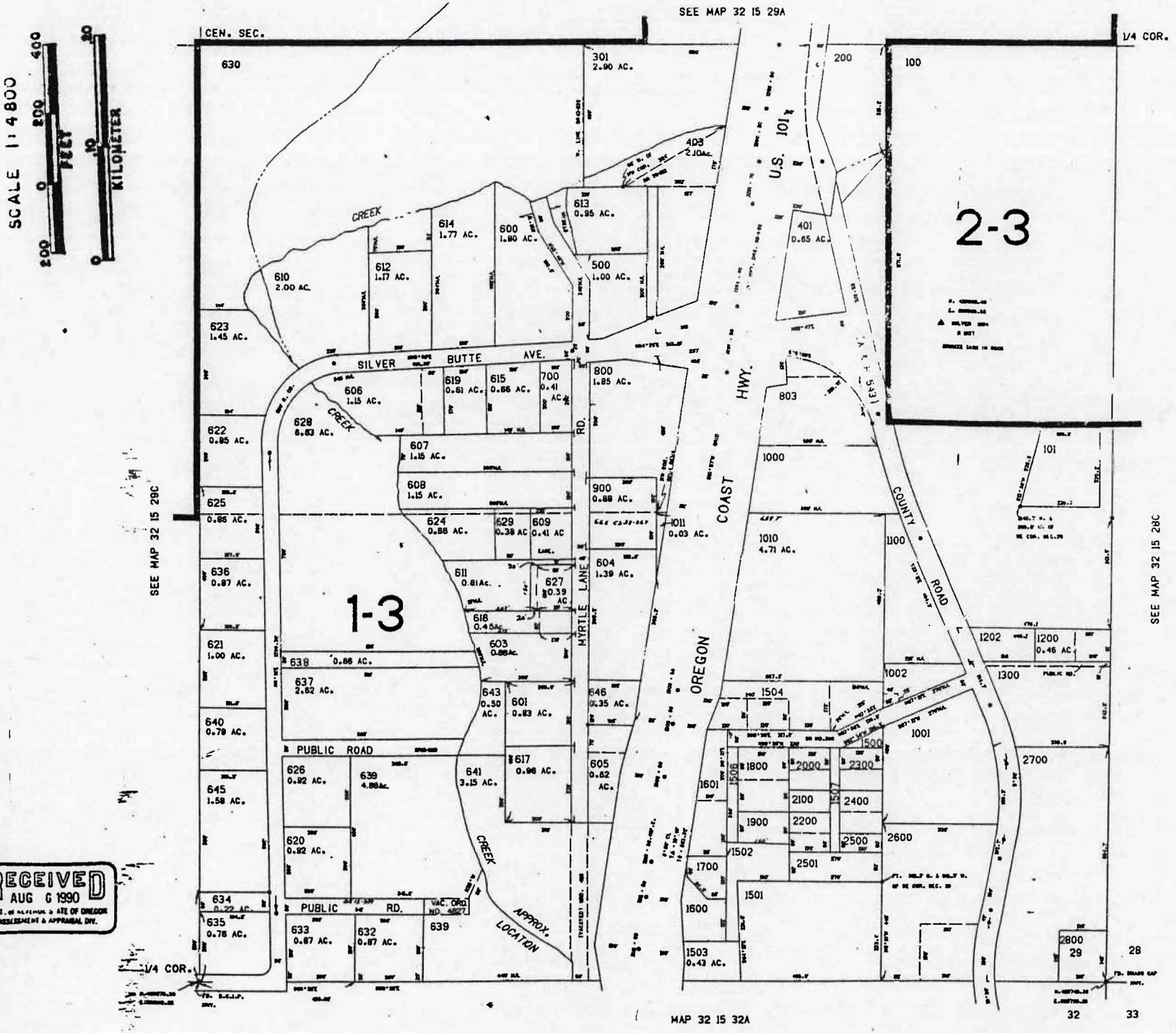
3

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.

SCALE 1:4800

FEET 0 200 400

KILOMETER 0 .10 .20



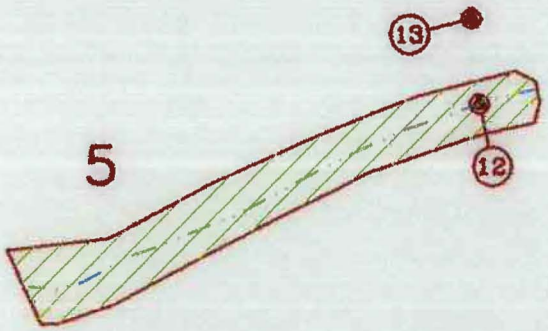
CANCELLED NO.'S

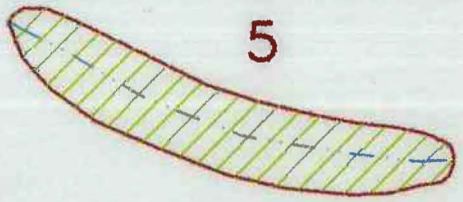
300	647
302	631
400	
402	
602	
616	
642	
644	
801	
802	
1003	
1201	
1400	
1505	

RECEIVED
AUG 6 1990
DEPT. OF REVENUE - STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.

1/16 CORNER

1/4 CORNER





0 50 100 150 200

SCALE IN FEET

TAX LOT MAP #: 32 15 29DA

LEGEND

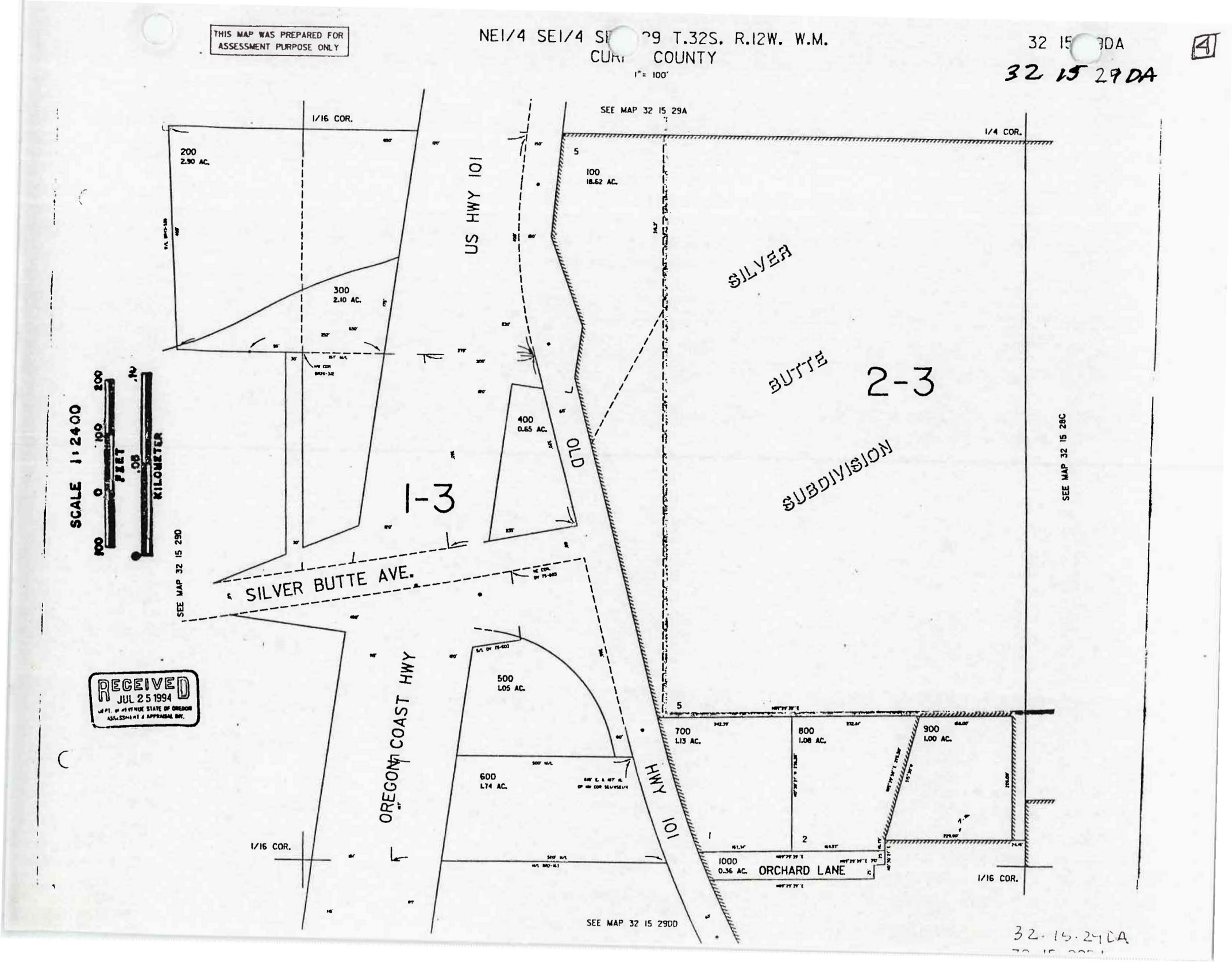
	WETLAND
	OPEN WATER
5	WETLAND IDENTIFIER
14	SAMPLE PLOT
OD	OFF-SITE DETERMINATION
	STREAM

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

1/16 CORNER

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP04.dwg


THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY
NE1/4 SE1/4 SE 29 T.32S. R.12W. W.M.
CURRY COUNTY
1" = 100'
32 15 29DA
32 15 29DA
4
SEE MAP 32 15 29A
1/4 COR.
1/16 COR.
200
2.90 AC.
300
2.10 AC.
100
18.62 AC.
US HWY 101
SILVER BUTTE SUBDIVISION
2-3
I-3
400
0.65 AC.
OLD
SEE MAP 32 15 28C
SEE MAP 32 15 29D
SILVER BUTTE AVE.
SCALE 1:2400
200
100
0
FEET
.08
KILOMETER
RECEIVED
JUL 25 1994
DEPT. OF REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.
500
1.05 AC.
600
1.74 AC.
OREGON COAST HWY
HWY 101
700
1.13 AC.
800
1.08 AC.
900
1.00 AC.
1000
0.36 AC.
ORCHARD LANE
1/16 COR.
1/16 COR.
SEE MAP 32 15 29DD
32-15-29DA

TAX LOT MAP #: 32 15 31AD

LEGEND

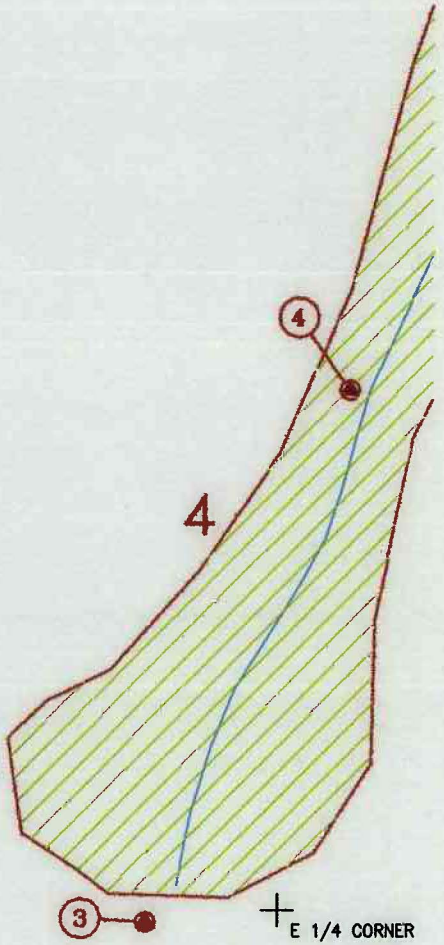
- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- (14) — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

N

0 50 100 150 200

SCALE IN FEET

1/16 CORNER

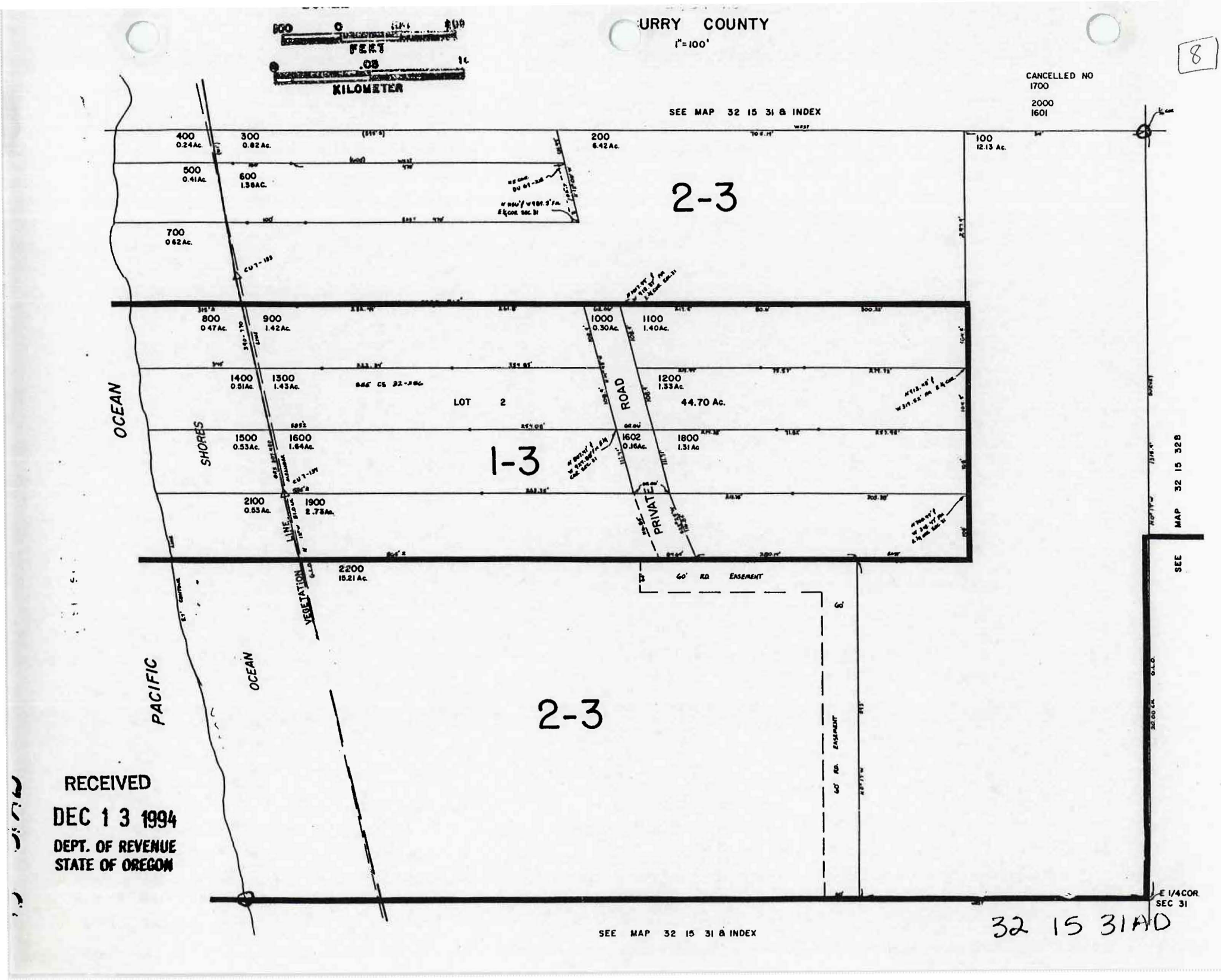


(5)

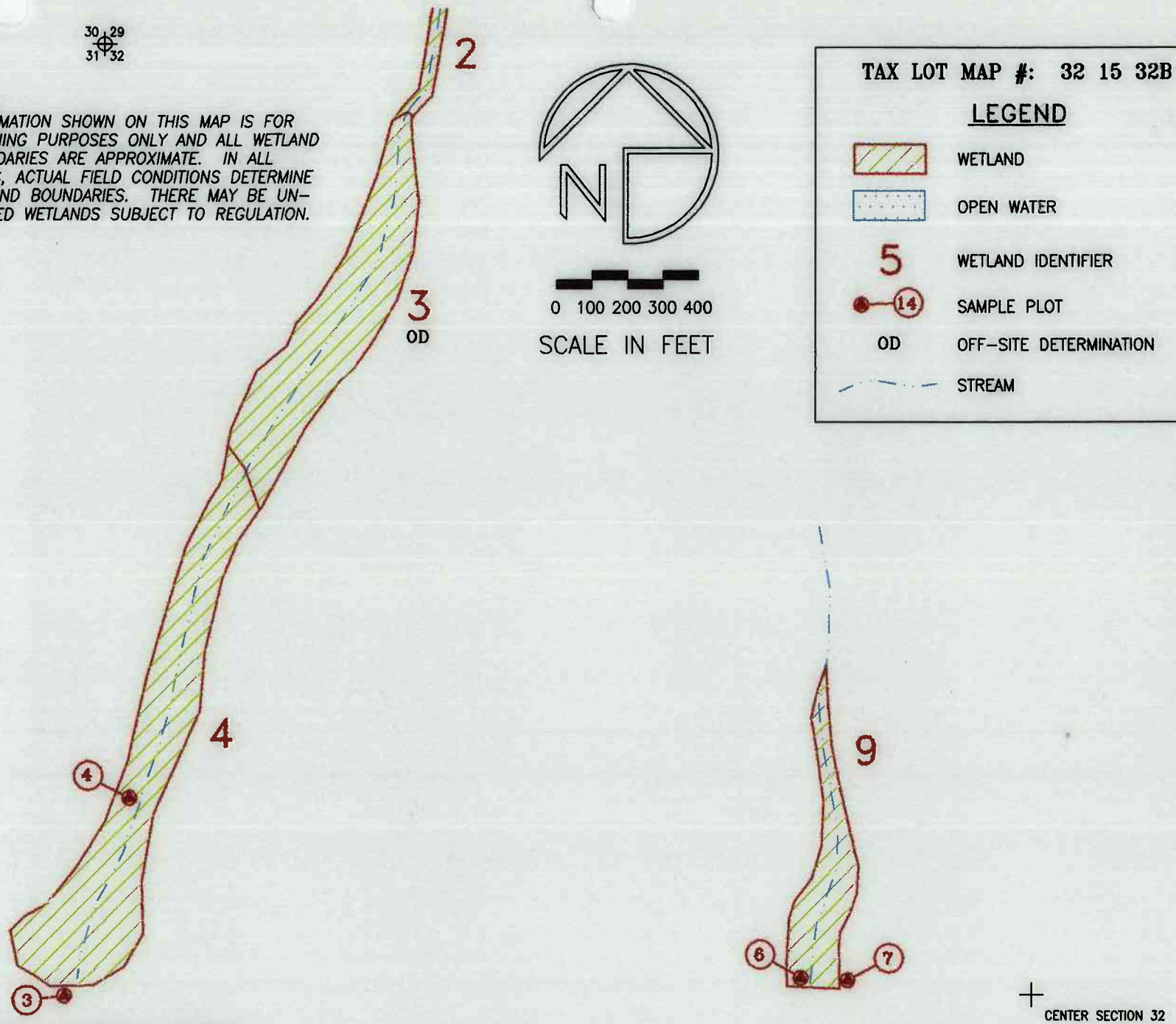
NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP08.dwg



RECEIVED
DEC 13 1994
DEPT. OF REVENUE
STATE OF OREGON



DATE: 7/1/99	PROJ. NO. 73843

C:\PROJECTS\DALTON\PORTORFD\TAXMAP09.dwg

NW1/4 SEC. 3[illegible].32S. R.15W. W.M.
CURRY COUNTY

1"=200'

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.

SCALE 1:4800

RECEIVED
NOV 12 1992
DEPT. OF REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.

1/4 CORNER

0 100 200 300 400

SCALE IN FEET

29 28
32 33

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

TAX LOT MAP #: 32 15 32A

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

1/4 CORNER

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP10.dwg

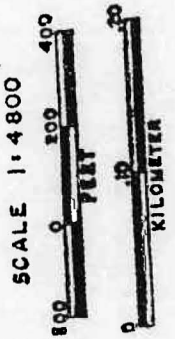
THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.

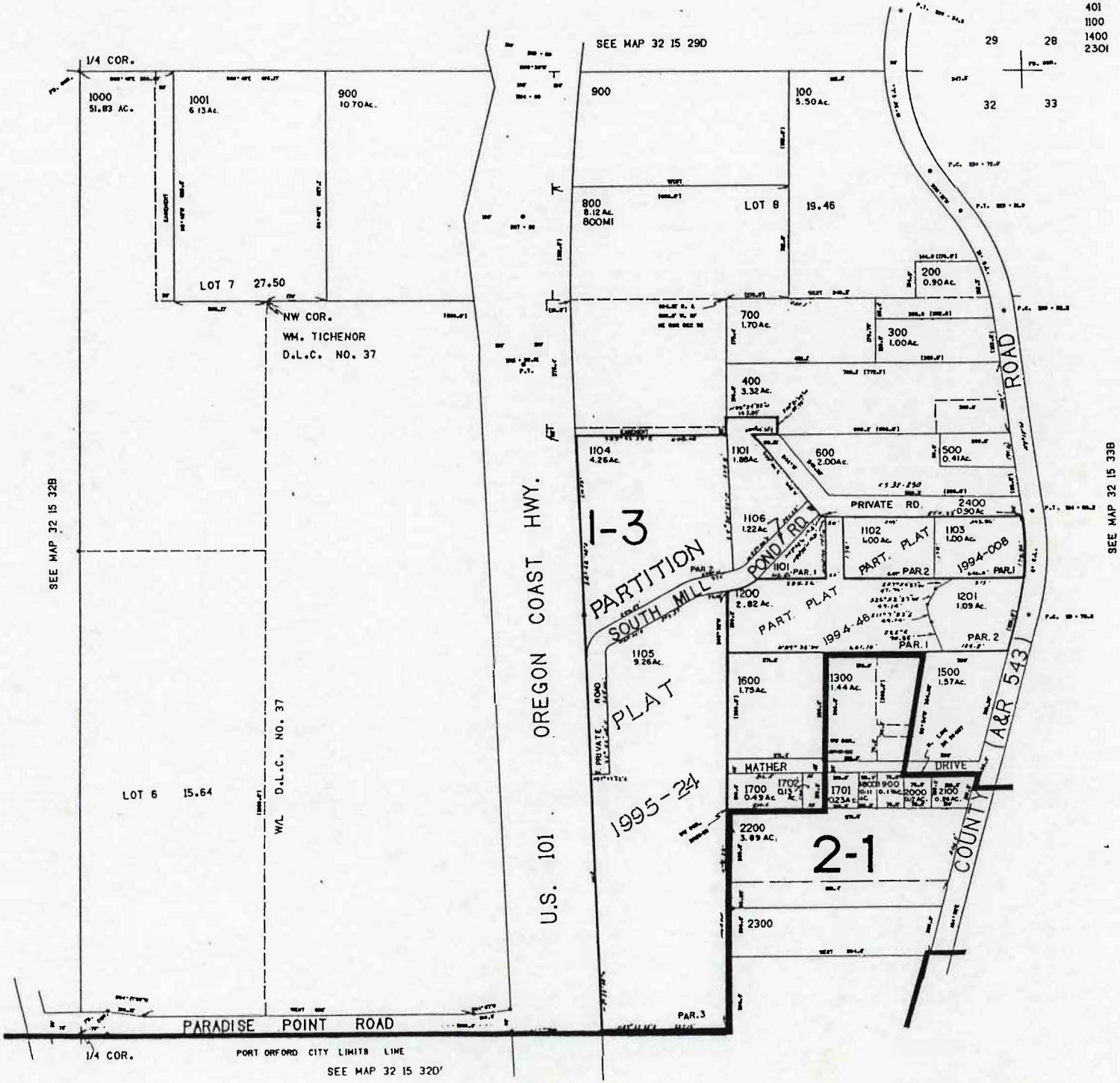
CURRY COUNTY

1"=200'

32S 15 32A 110

CANCELLED NO.'S
401
1100
1400
2301

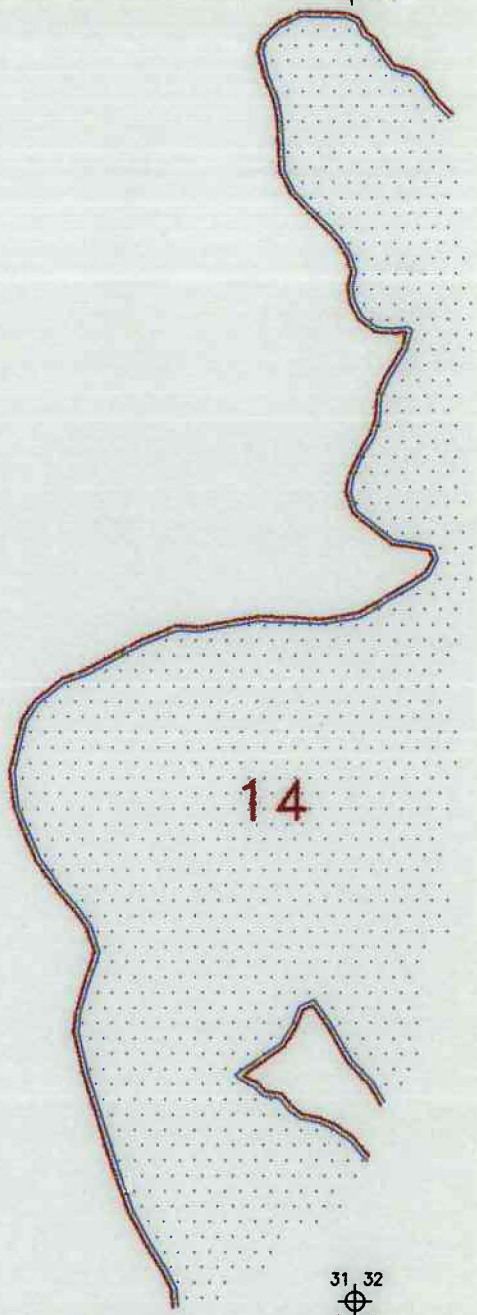




RECEIVED
JAN 04 1996
DEPT. OF REVENUE
STATE OF OREGON

15 32A

E 1/4 CORNER



31 32
6 5

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

TAX LOT MAP #: 32 15 31D

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

N

0 100 200 300 400

SCALE IN FEET

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP12.dwg

SE1/4 SEC T.32S. R.15W. W.M.
C[illegible]Y COUNTY
1" = 200'

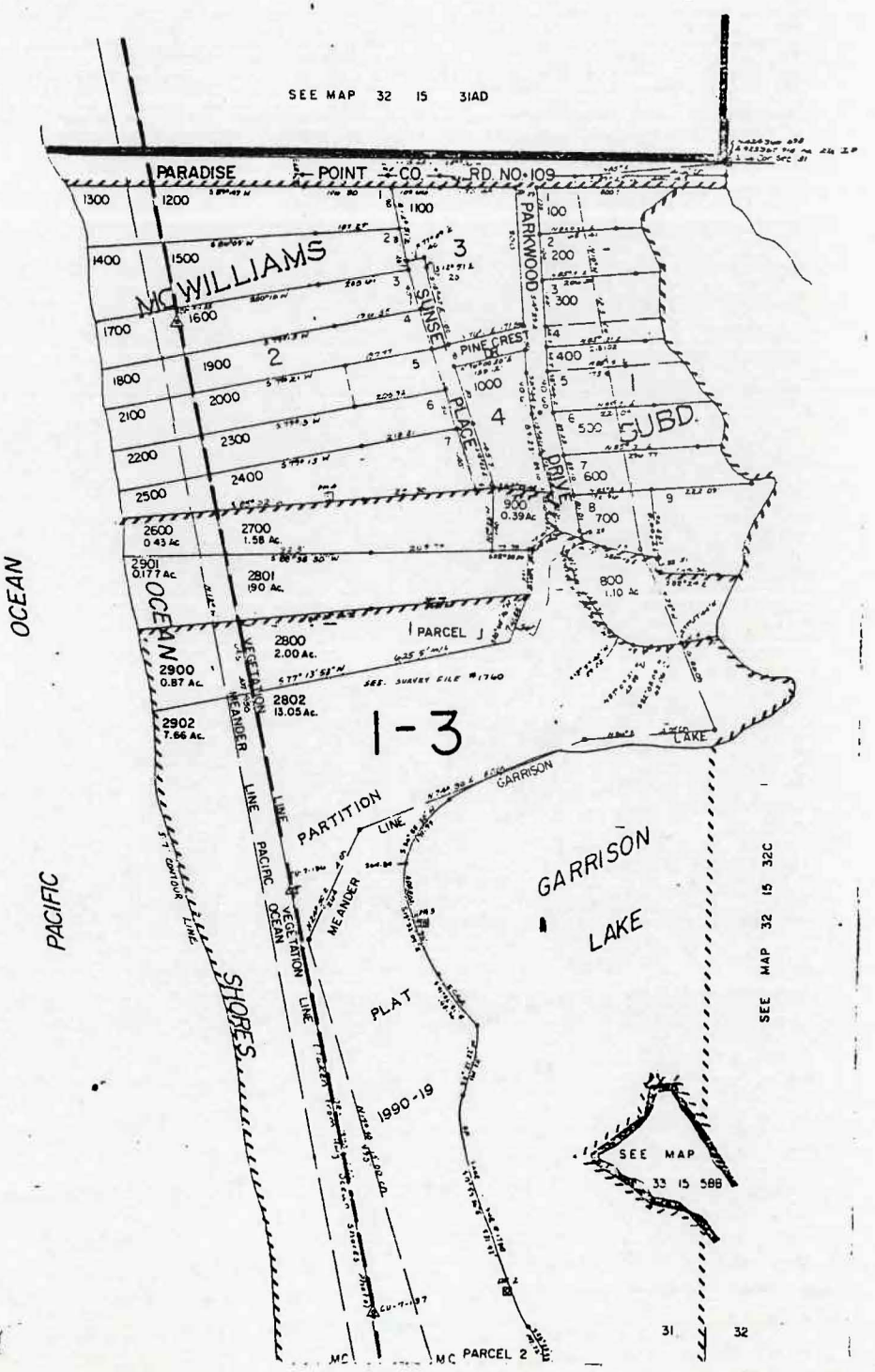
32 15 31D

12

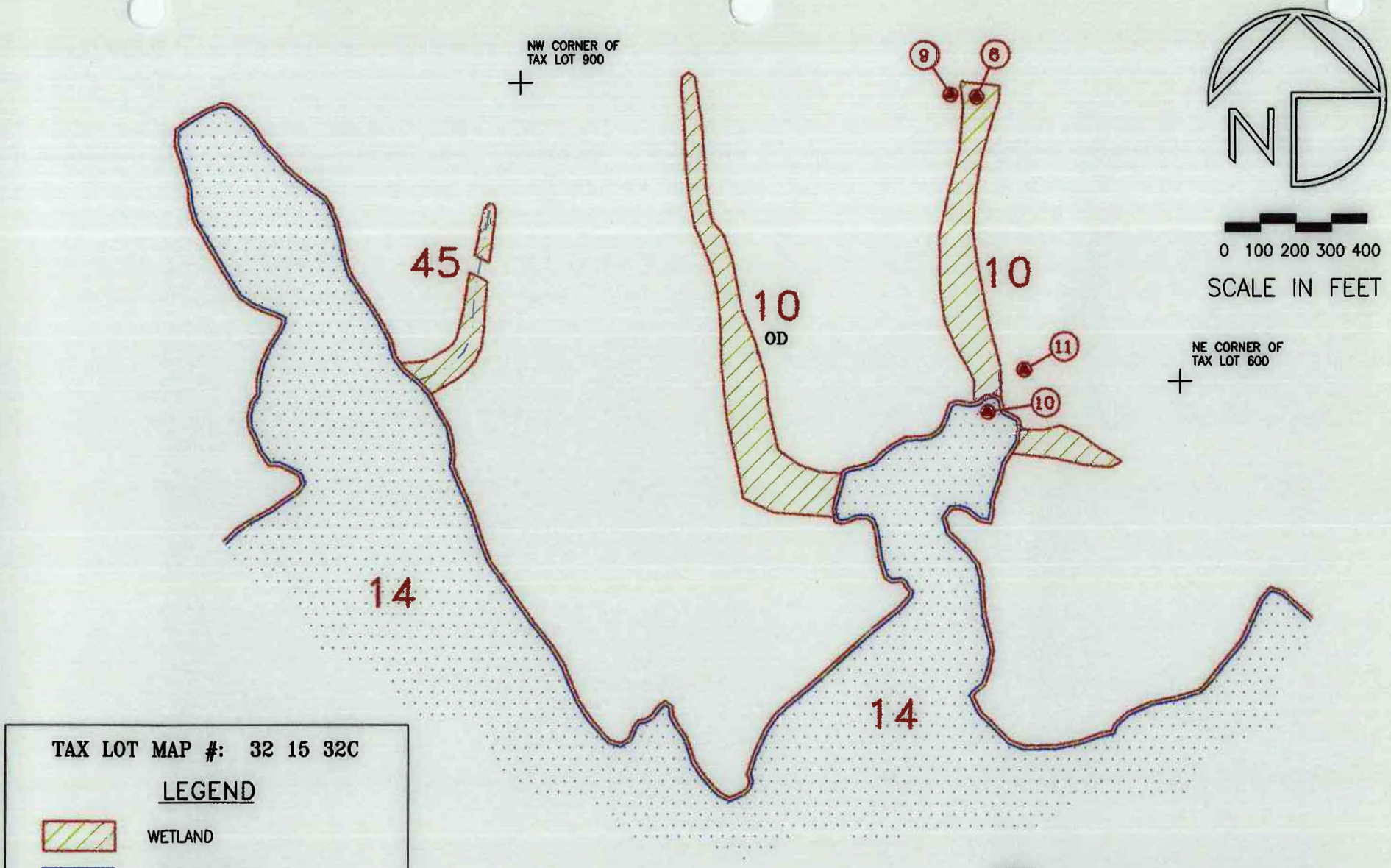
SCALE 1:4800

FEET 400 200 0 200

METER 20 0 20



RECEIVED
FEB 05 1992
DEPT. OF REVENUE, STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.



TAX LOT MAP #: 32 15 32C

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP13.dwg

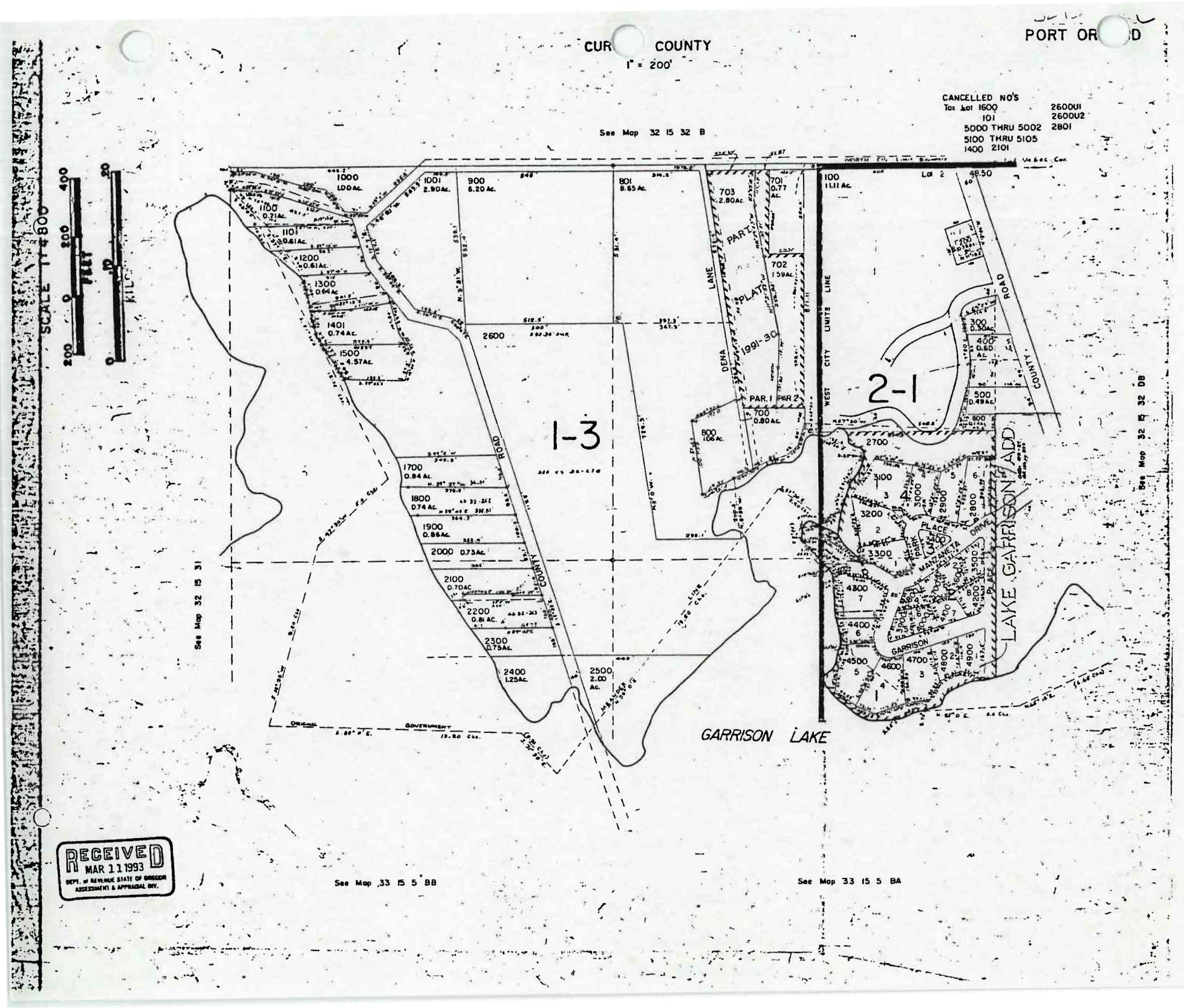
CUR COUNTY

PORT OR D

1" = 200'

CANCELLED NO'S

Tax Lot 1600	2600U1
101	2600U2
5000 THRU 5002	2801
5100 THRU 5105	
1400	2101



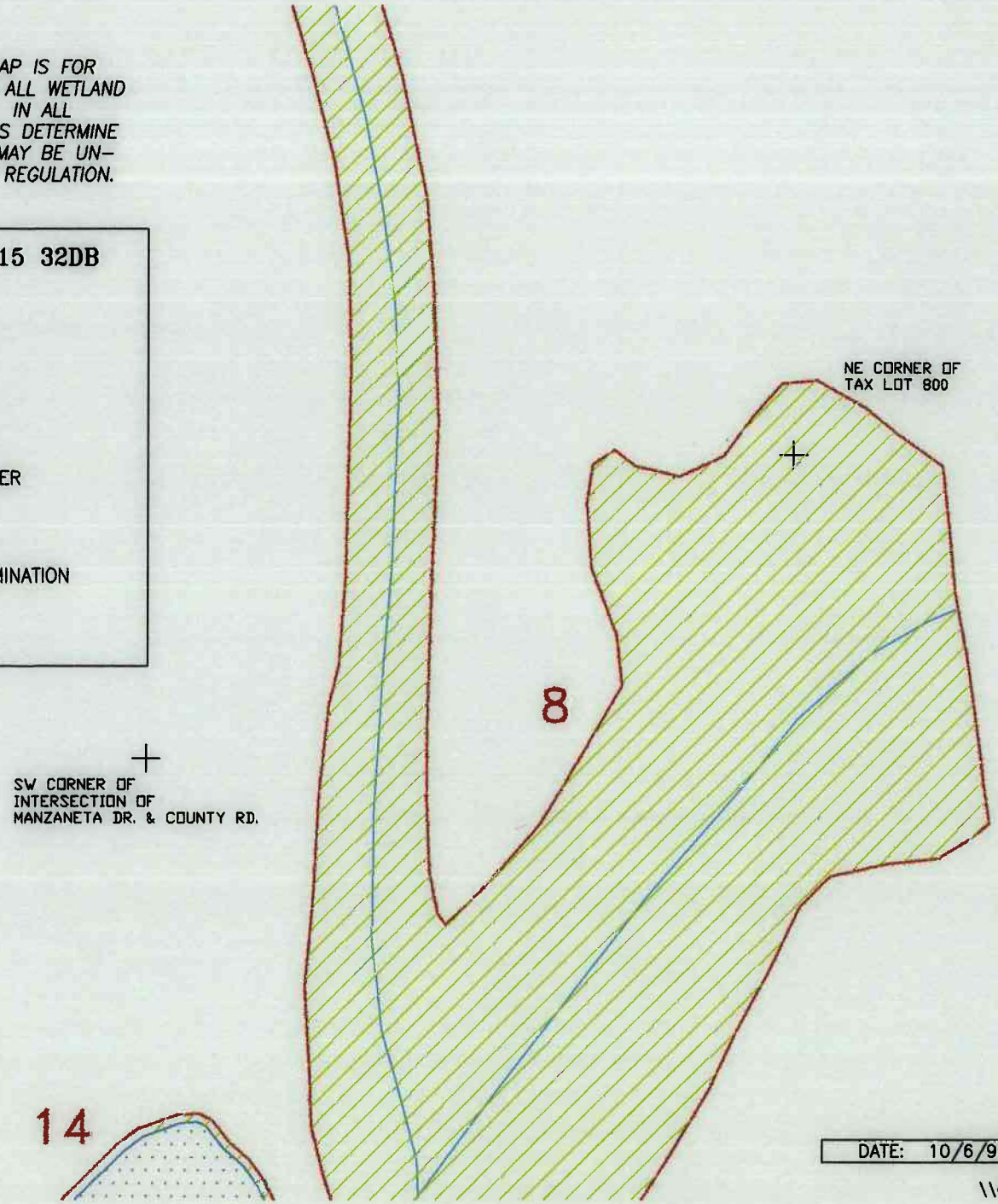
RECEIVED
MAR 11 1993
DEPT. of REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

TAX LOT MAP #: 32 15 32DB

LEGEND

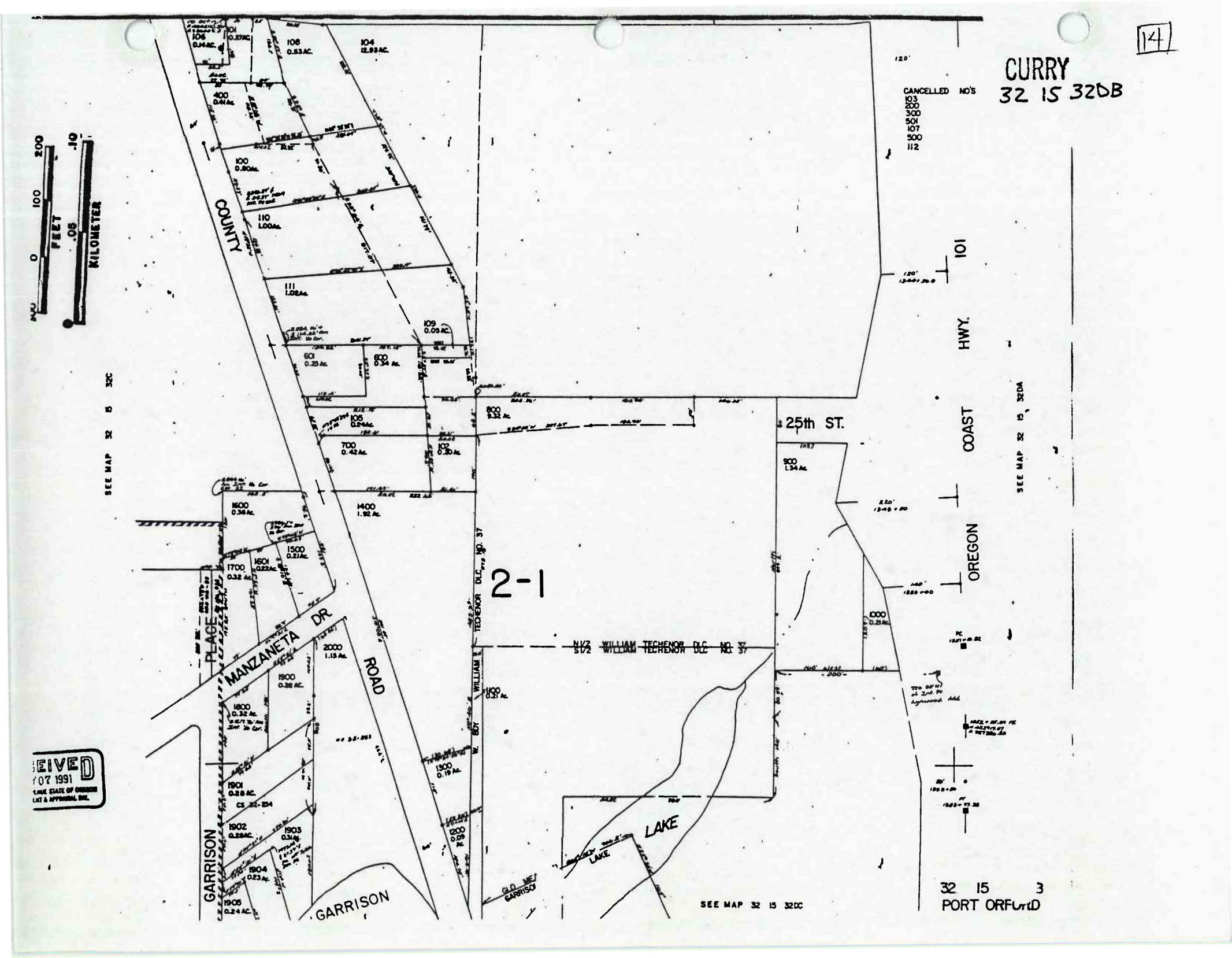
- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

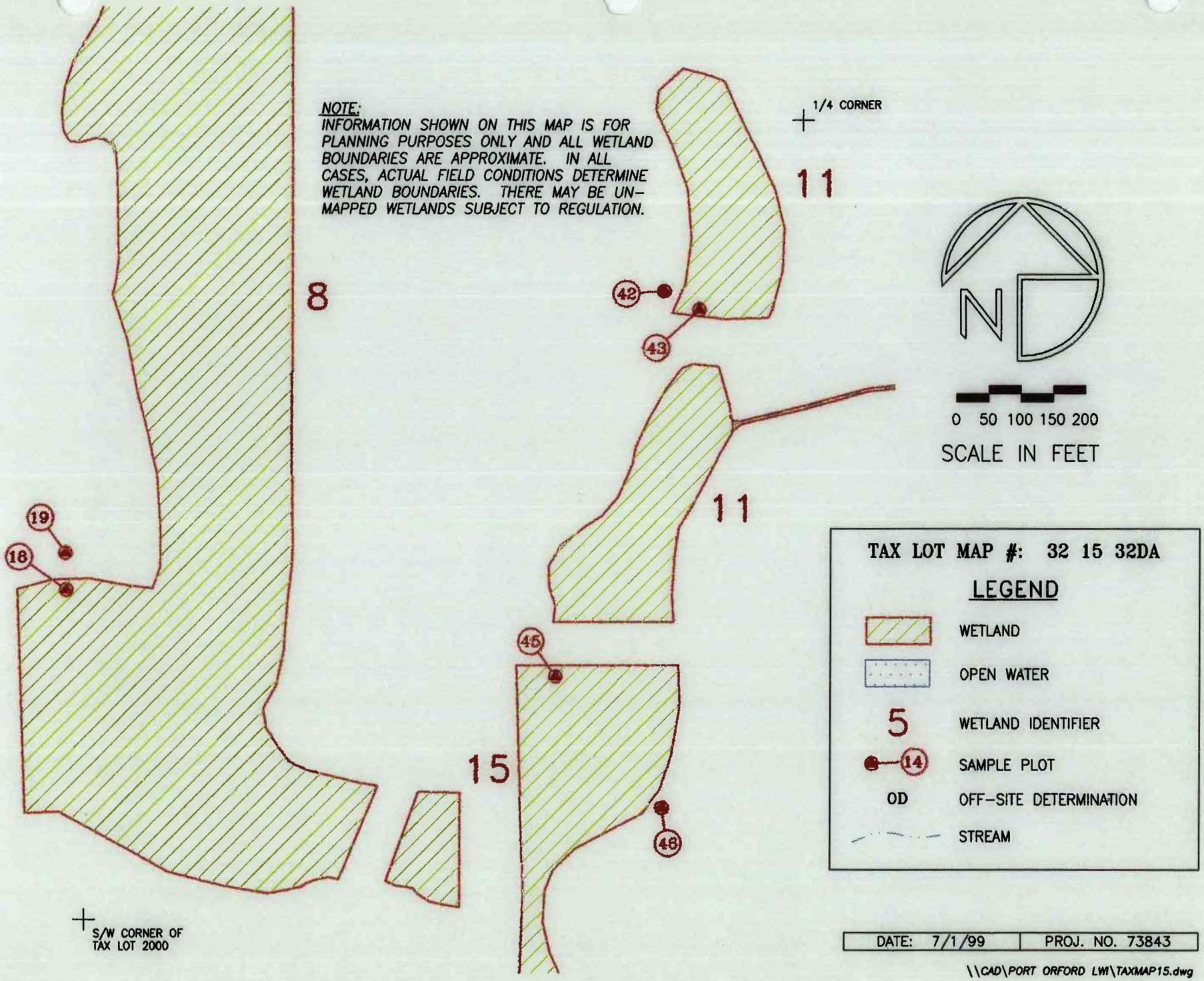


DATE: 10/6/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP14.dwg

CURRY
32 15 32DB




NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.
1/4 CORNER
11
8
42
43
11
19
18
45
15
48
S/W CORNER OF TAX LOT 2000
N
0 50 100 150 200
SCALE IN FEET
TAX LOT MAP #: 32 15 32DA
LEGEND
WETLAND
OPEN WATER
5
WETLAND IDENTIFIER
14
SAMPLE PLOT
OD
OFF-SITE DETERMINATION
STREAM
DATE: 7/1/99
PROJ. NO. 73843
\\CAD\PORT ORFORD LWI\TAXMAP15.dwg

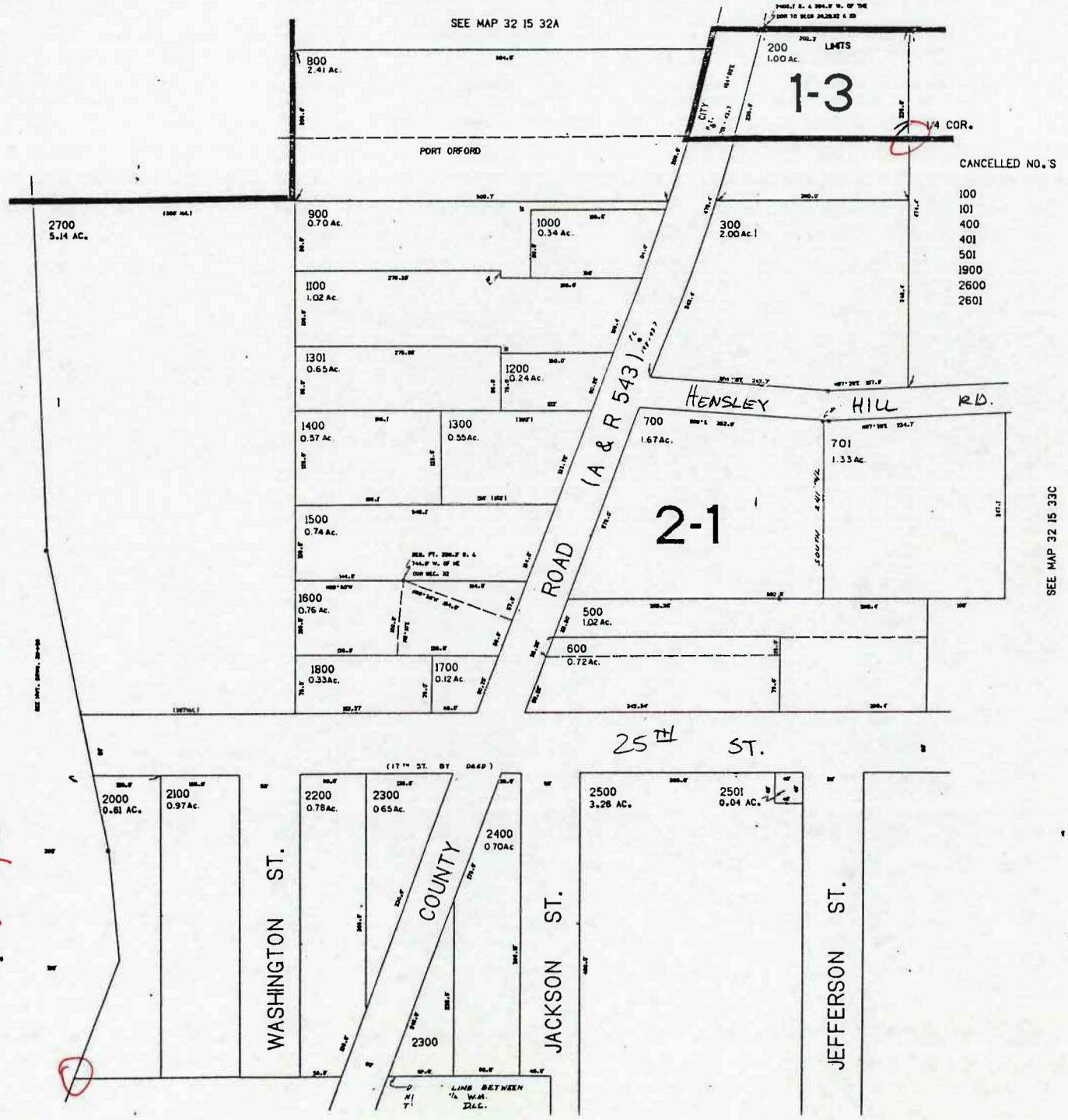
NE1/4 SE1/4 S 32 T.32S. R.15W. W.M.
CURRY COUNTY
1"=400'

32 I 2DA
PORT OR ORD

151

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.

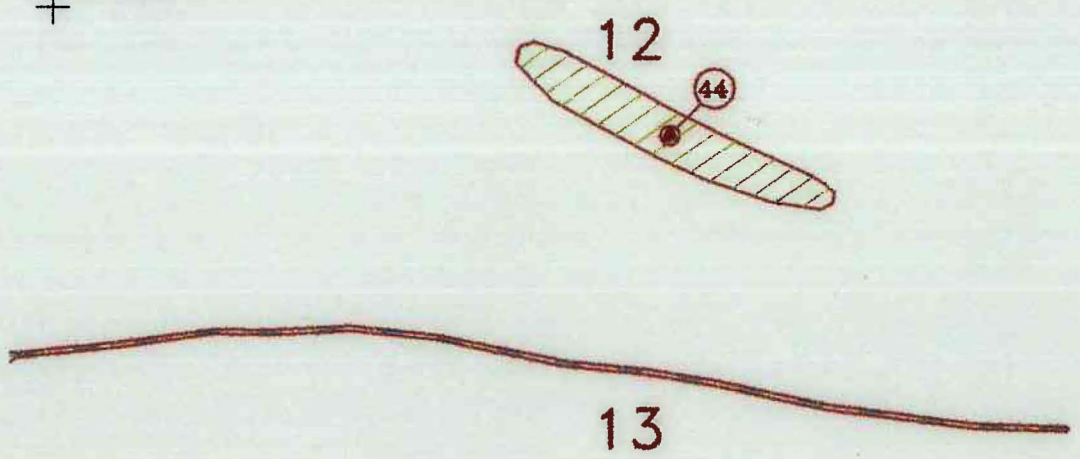
SCALE 1:2400
200 FEET
.10 .05 KILOMETER



RECEIVED
NOV 12 1992
DEPT. OF REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.

1/4 CORNER

1/16 CORNER



TAX LOT MAP #: 32 15 33CB

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

S/W CORNER, LOT 2000

SCALE IN FEET

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP16.dwg

NW 1/4 SW1/4 SEC. 33 T. 32S. R. 15W. W.M.
CURRY COUNTY

32 15 CB

1" = 100'

SEE MAP 32 15 33B

CANCELLED NO.'S
1400
1401

SCALE 1:2400
FEET
KILOMETER

1-3

400
2.86 Ac.

300
0.80 Ac.

APPROX. 1/4 COR.

3400

HILL

200
0.58 Ac.

HENSLEY

500
1.98 Ac.

2700
2.64 Ac.

COUNTY

100
3.90 Ac.

1-3

700
2.14 Ac.

2-1

600
0.34 Ac.

ANGLE PT. D.L.C. NO. 37

800
0.92 Ac.

S LINE WILLIAM TICHENOR D.L.C. NO. 37

SEE MAP 32 15 33C

25th ST.

1200 1100 1000 900

1300 1600 1700 1800 1500

WOODGLEN REPLAT OF LOTS 5 & 6 BLK 1 WOODGLEN SUB

WOODGLEN ST.

1900 2000 2200

2 SUB.

2600 2500 2400 2300

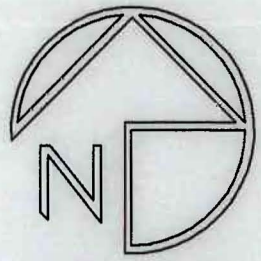
DEADY ST.

E LINE WILLIAM TICHENOR D.L.C. 37

LOT 4

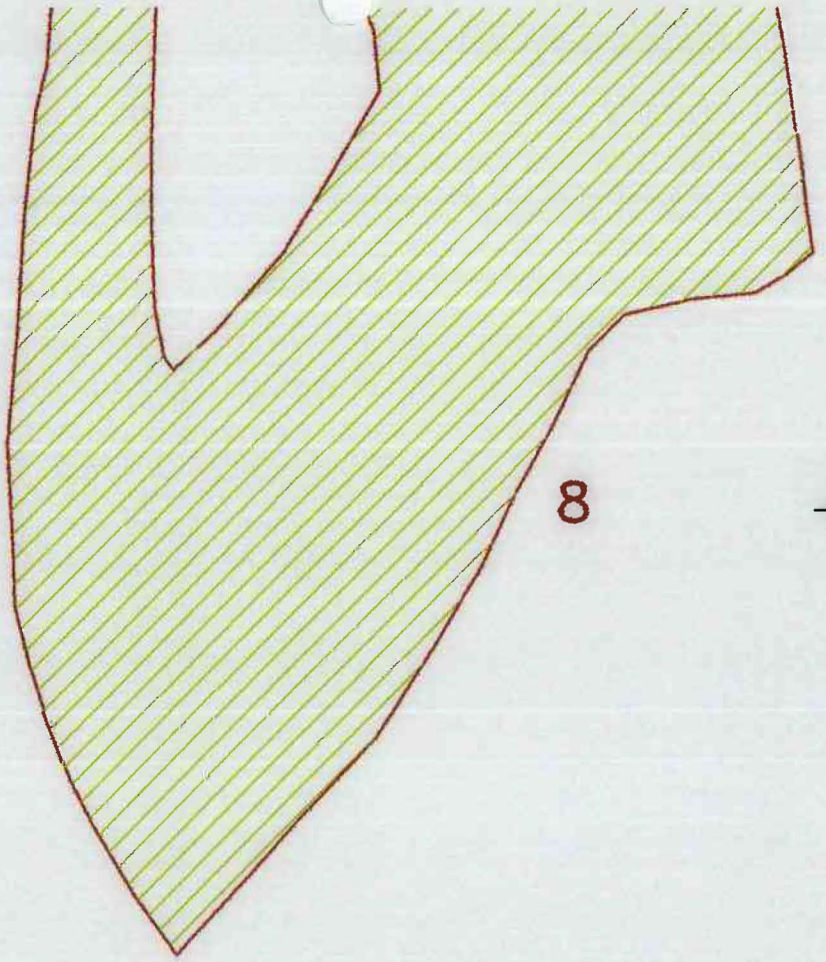
14.76

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.



0 50 100 150 200

SCALE IN FEET



N/E CORNER OF TAX LOT 900

N/W CORNER OF TAX LOT 2900

TAX LOT MAP #: 32 15 32DC

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

DATE: 10/6/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP17.dwg

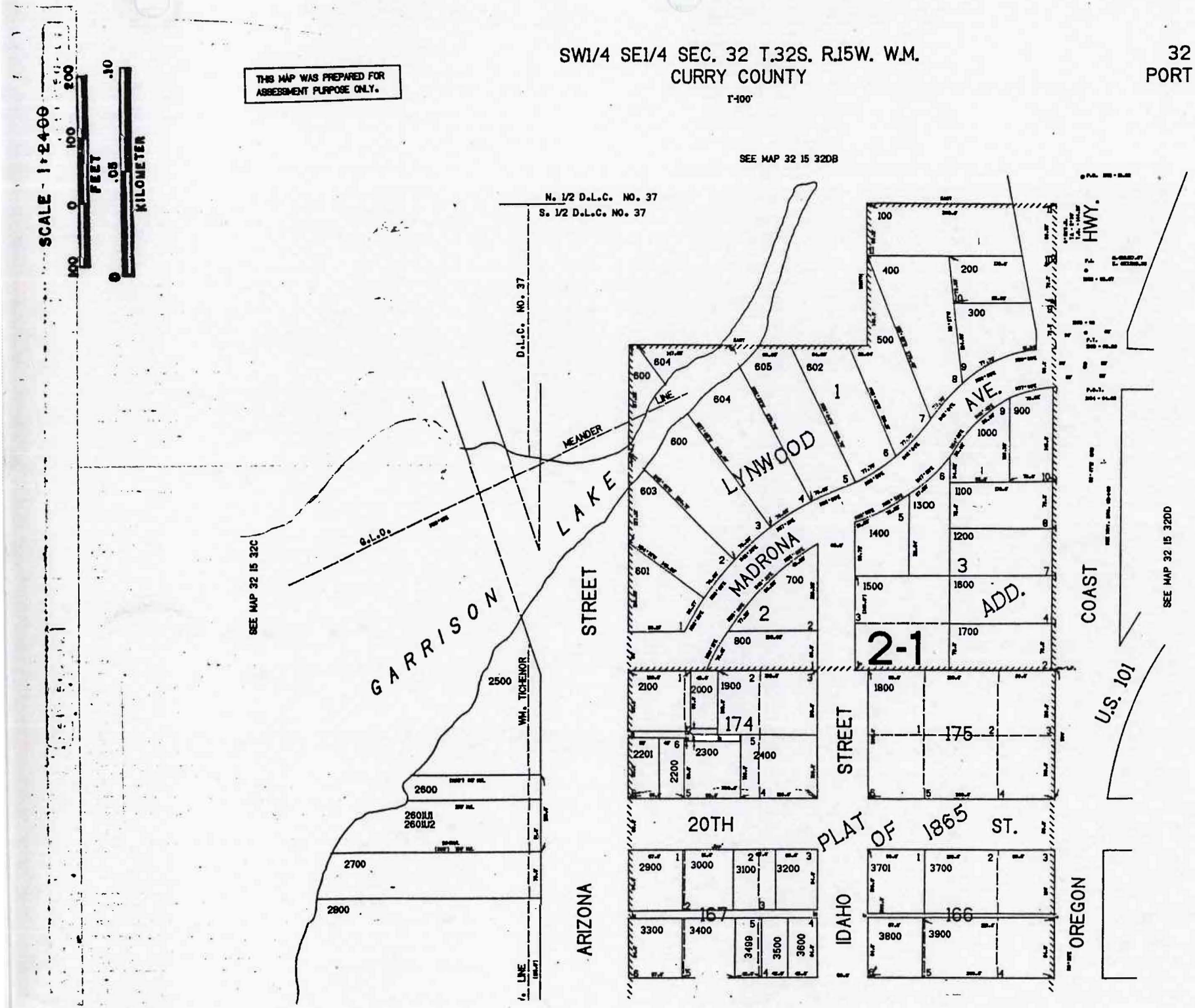
SW1/4 SE1/4 SEC. 32 T.32S. R.15W. W.M.
CURRY COUNTY

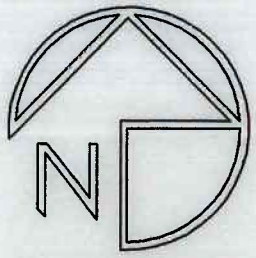
32 15 32DC
PORT ORFORD

1"=100'

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.

SCALE - 1"=2400'





0 50 100 150 200

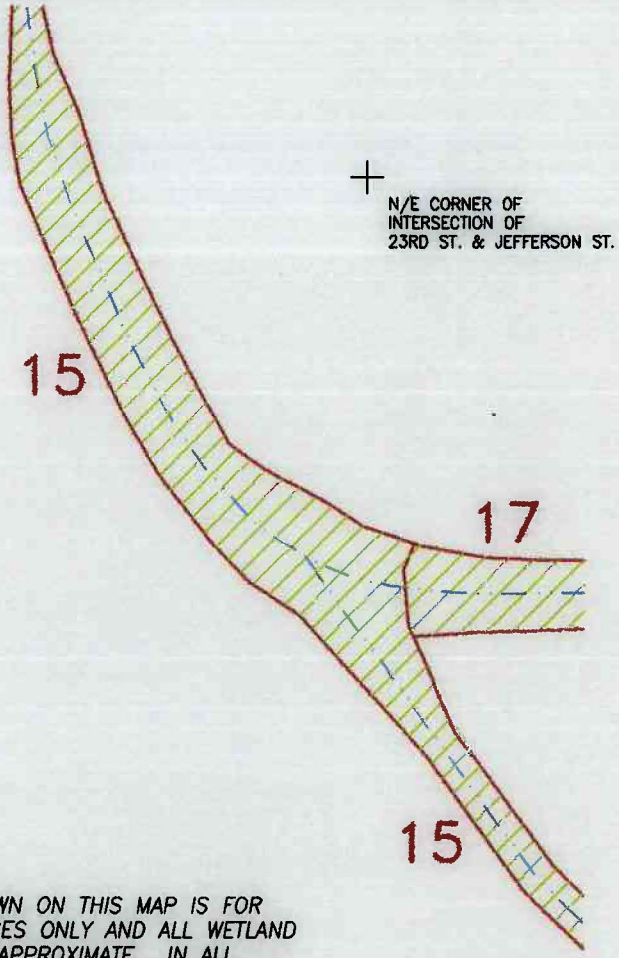
SCALE IN FEET

TAX LOT MAP #: 32 15 32DD

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- (14) — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

N/W CORNER OF INTERSECTION OF 19TH ST. & U.S. 101



N/E CORNER OF INTERSECTION OF 23RD ST. & JEFFERSON ST.

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP18.dwg

SE1/4 SE1/4 S[illegible] 32 T.32S. R.15W. W.M.
C[illegible]RY COUNTY

32 1[illegible] 2DD
PORT C[illegible] ORD

18

1"=400'

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.

SCALE 1:2400

200 100 0 FEET

.10 .05 0 KILOMETER

SEE MAP 32 15 32DA

CANCELLED NO.'S

100
303
802
803
1200
1810
2300 THRU 2900

WL on N. portion
WD 02-0487

HWY.

COAST

OREGON

LYNNWOOD

(MADRONA) (AVE.) ADDITION

STREET

STREET

SEE MAP 32 15 32DC

SEE MAP 32 15 33C

2-1

300 1.89 AC.

301 4.11 AC.

202 0.40Ac.

201 1.05Ac.

203 0.20Ac.

200 1.65 AC.

400 401 402 403 501 500

1 2 3 4 5

21ST STREET

AVENUE

STREET

20TH STREET

PLAT OF 1865

176 177 178 179

600 700 701 800 801 804 805 806 900 1000 1100

U.S. 101

TICHENOR

WASHINGTON

JACKSON

JEFFERSON

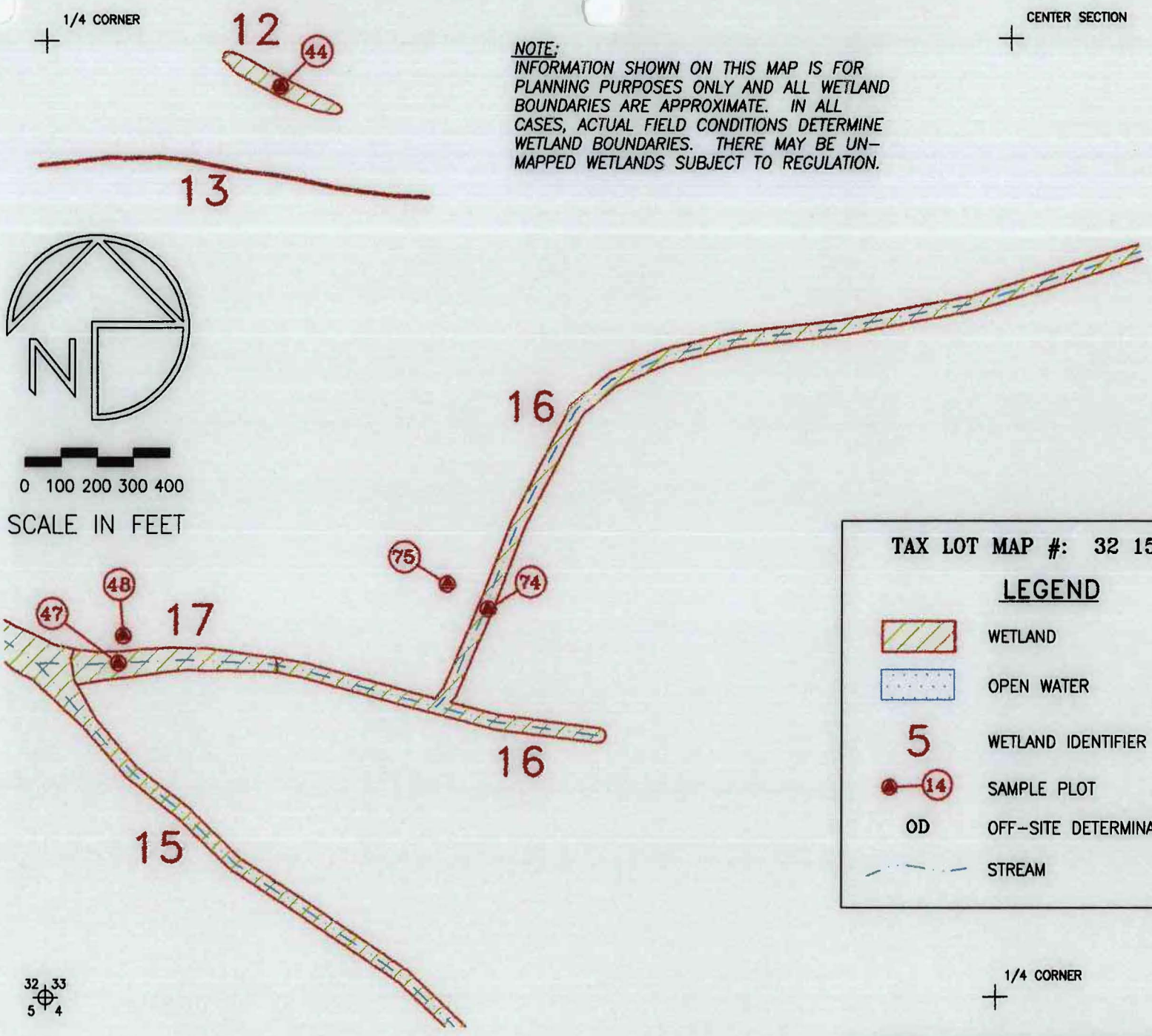
165 164 163 162

1300 1400 1401 1500 1501 1600 1700 1801 1802 1800 1900 2000 2100 2200

19TH STREET

P 33 15 5AA

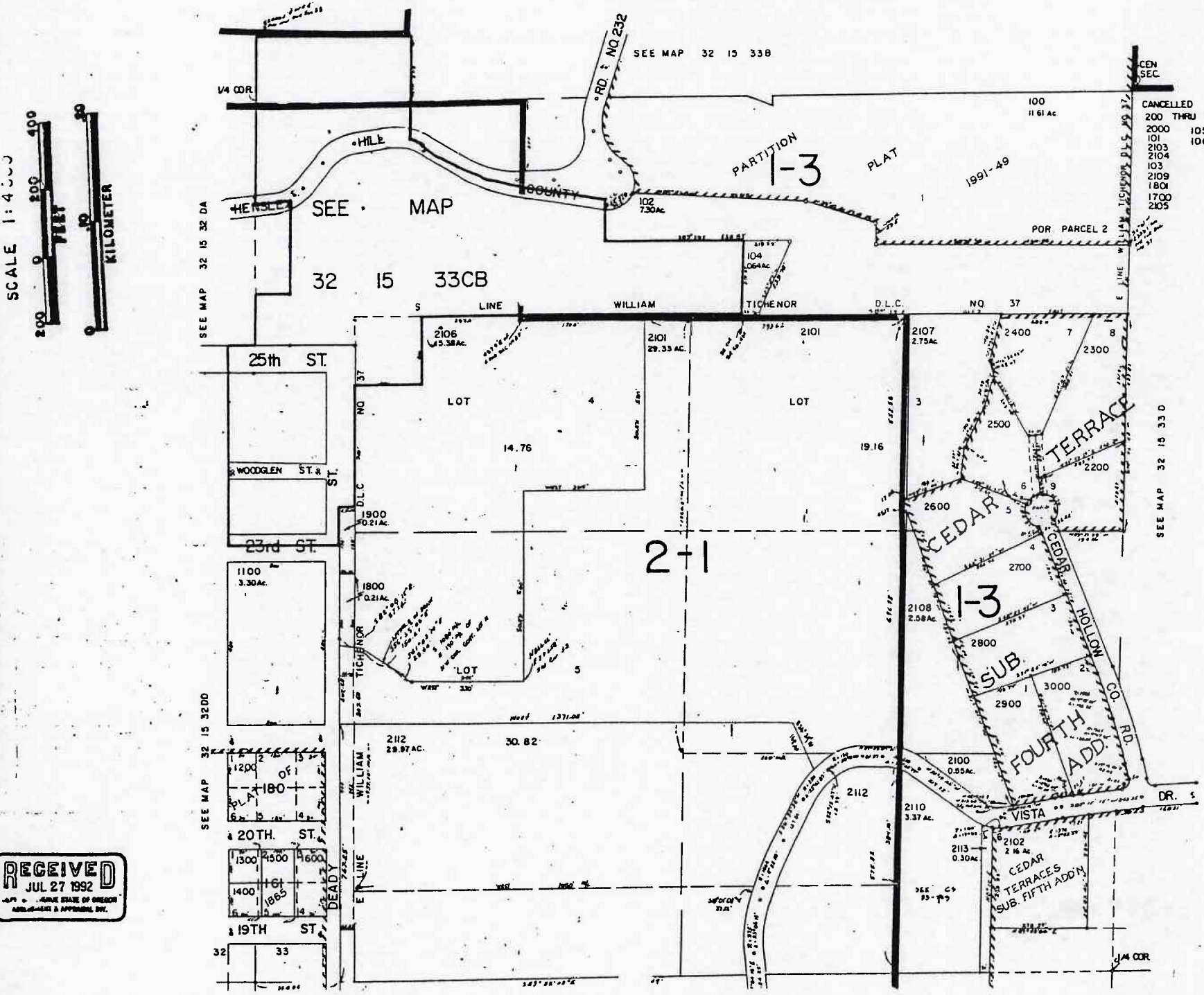
RECEIVED
FEB 19 1993
DEPT. OF REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.


1/4 CORNER
12
44
CENTER SECTION
NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.
13
N
0 100 200 300 400
SCALE IN FEET
16
75
74
48
47
17
16
15
32 33
5 4
TAX LOT MAP #: 32 15 33C
LEGEND
WETLAND
OPEN WATER
5
WETLAND IDENTIFIER
14
SAMPLE PLOT
OD
OFF-SITE DETERMINATION
STREAM
1/4 CORNER
DATE: 7/1/99
PROJ. NO. 73843
\\CAD\PORT ORFORD LWI\TAXMAP19.dwg

SW1/4 S 33 T.32S. R.15W. W.M.
CURRY COUNTY
1" = 200'

3 33C
& INDEX

19



RECEIVED
JUL 27 1992
STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.

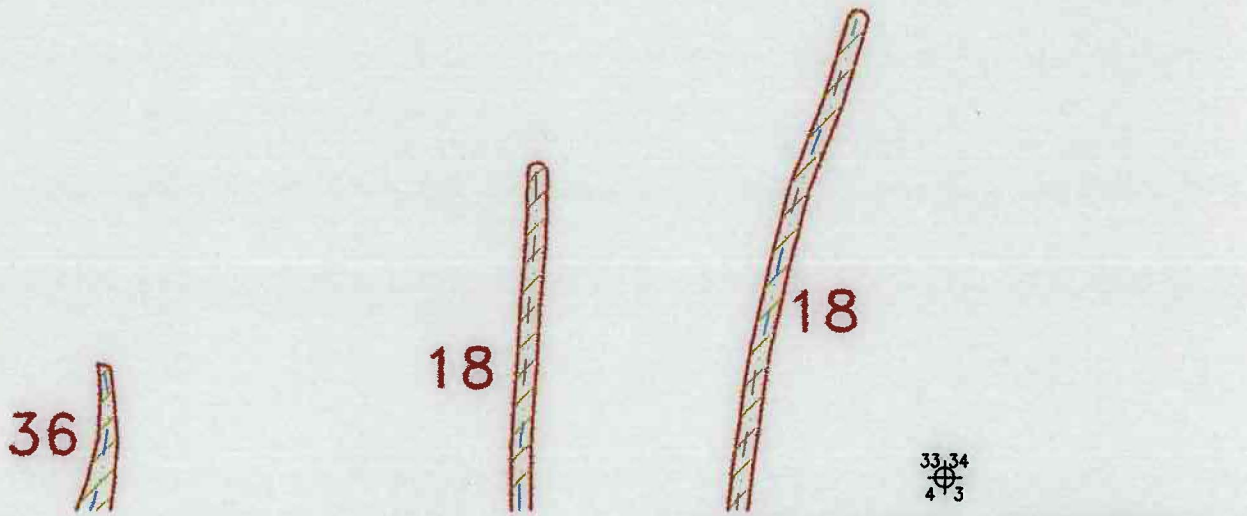
TAX LOT MAP #: 32 15 33D

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

E 1/4 CORNER

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.



S 1/4 CORNER

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP20.dwg

SE 1/4 SEC. 33 T. 32 S. R. 15 W. W.M.

CU COUNTY

1" = 200'

SCALE 1:4800

FEET 0 200 400

KILOMETER 0 .1 .2

SEE MAP 32 15 B INDEX

CANCELLED NO'S
800
900
903
201

E 1/4 COR.

CEDAR TERRACES

1-3

AMENDED PLAT OF A PORTION OF LOTS 14 & 18 CEDAR TERRACES PH. 1 SUB.

SUBDIVISION PHASE 1

CEDAR TERRACES SUB. ADD'N FIFTH

VISTA DRIVE

CEDAR TERRACE ROAD

SEE MAP 32 15 33C

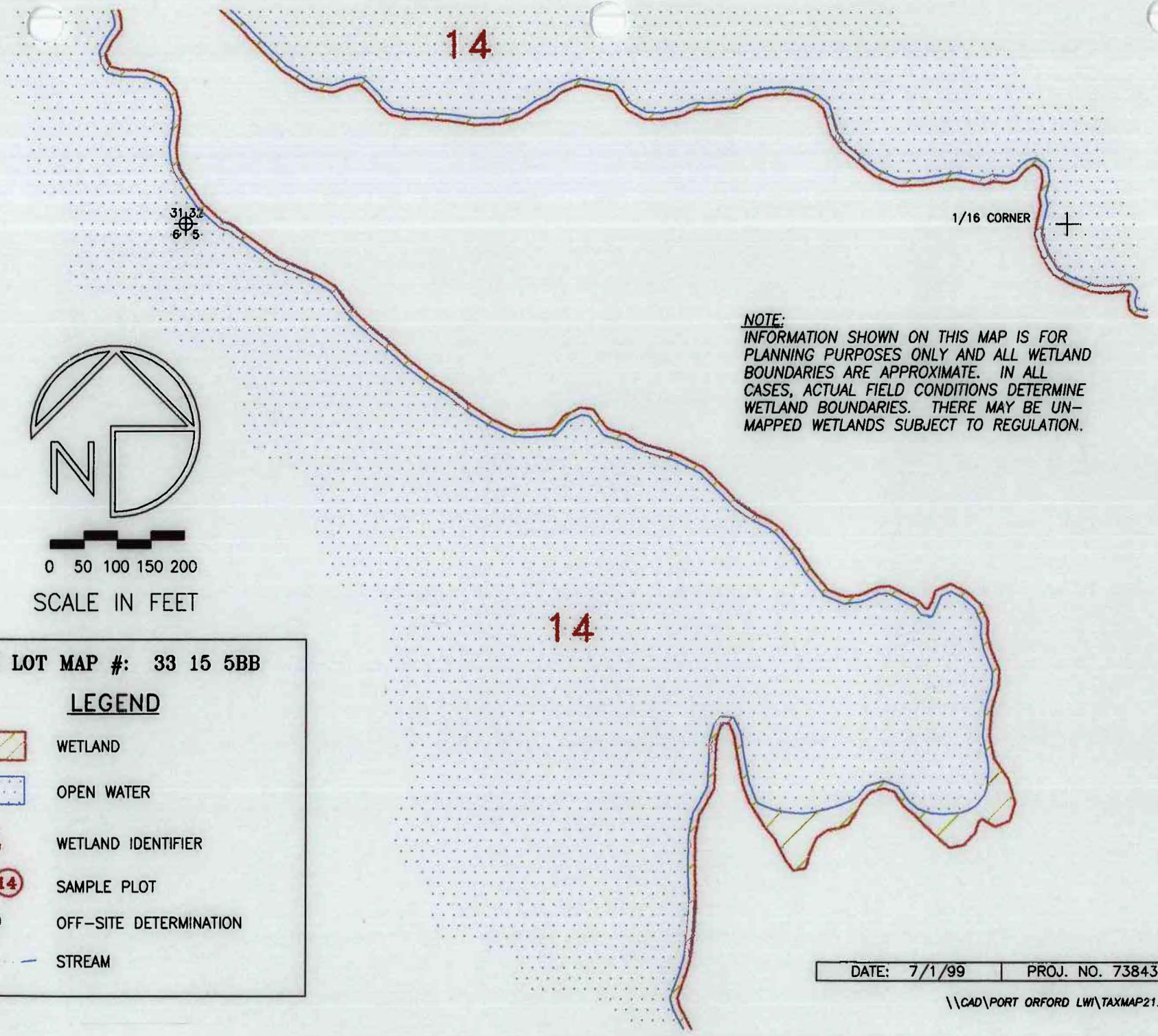
SEE MAP 32 15 B INDEX

SEE MAP 33 15 4A

S 1/4 COR.

200 3.28 Ac.
100 37.47 Ac.
303 2.70 Ac.
304 6.05 Ac.
400 1.88 Ac.
300 3.24 Ac.
500 1.72 Ac.
600 1.57 Ac.
301 3.14 Ac.
302 1.60 Ac.
700 1.55 Ac.
305 1.51 Ac.
901 2.14 Ac.
902 2.10 Ac.
1000 4.14 Ac.
1100 2.29 Ac.
1200 9.03 Ac.
1300 38.48 Ac.
1201 1.14 Ac.

RECEIVED
MAY 27 1992
DEPT. OF REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.



NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

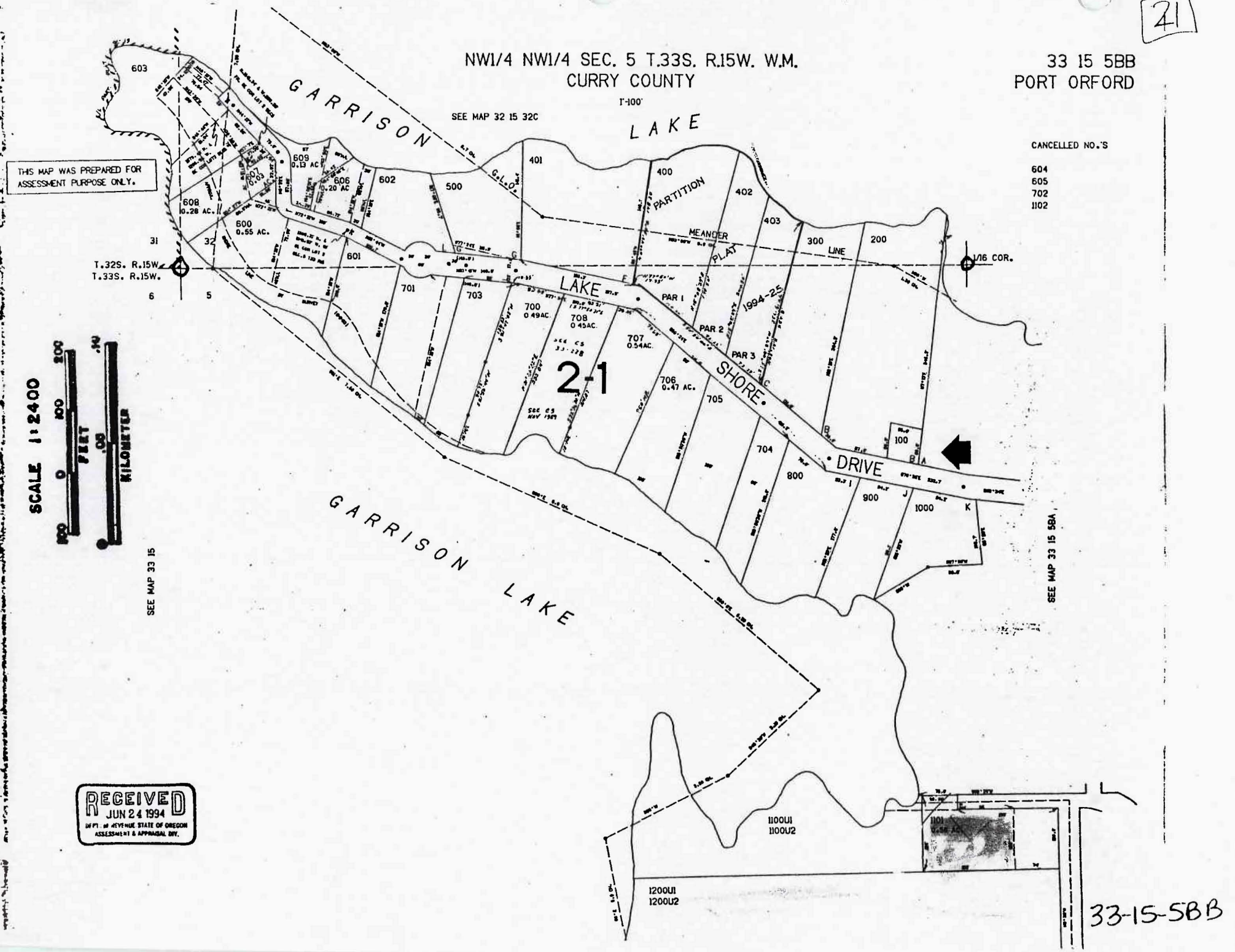
TAX LOT MAP #: 33 15 5BB

LEGEND

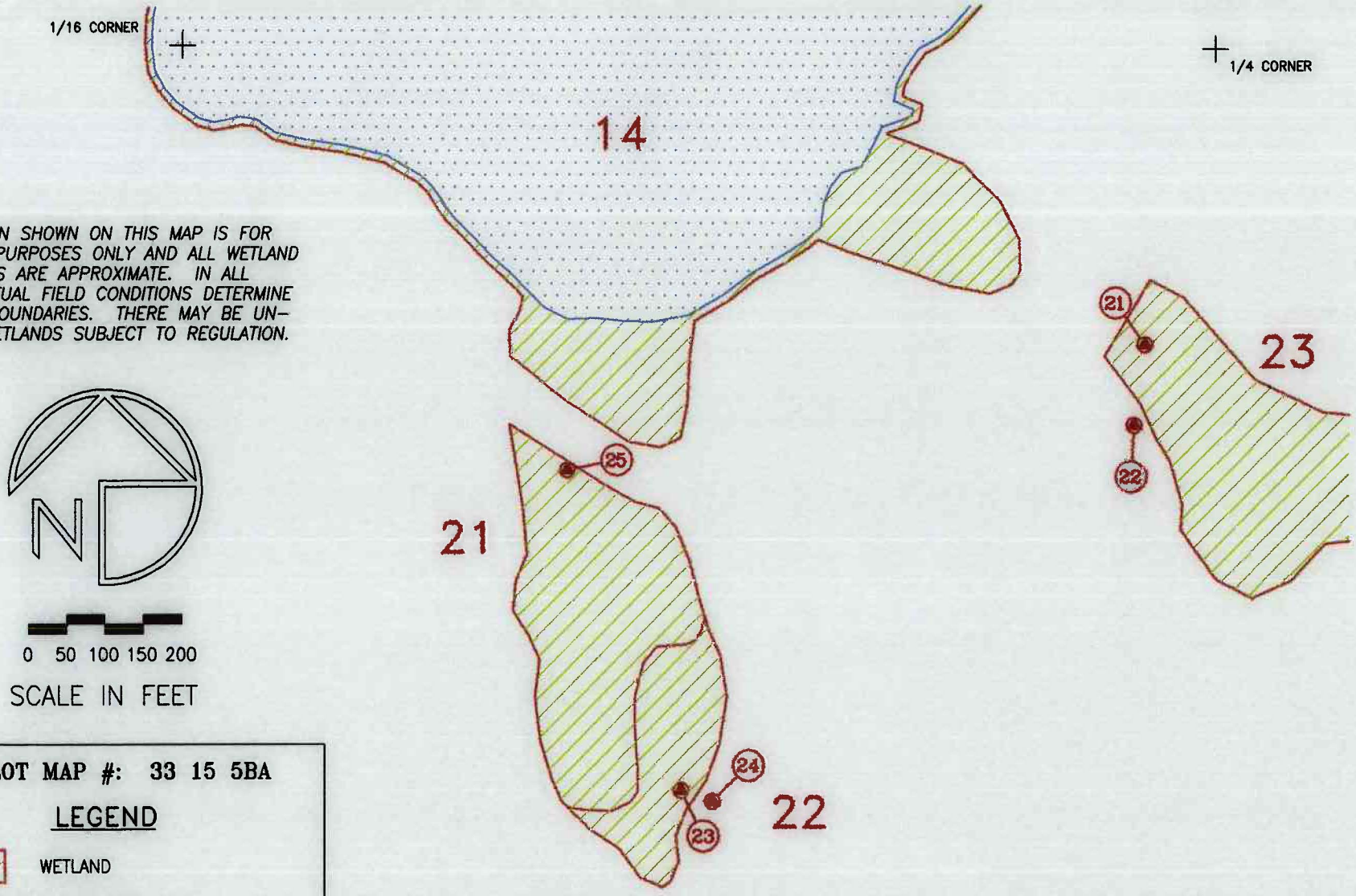
- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP21.dwg


NW1/4 NW1/4 SEC. 5 T.33S. R.15W. W.M.
CURRY COUNTY
33 15 5BB
PORT ORFORD
1"=100'
SEE MAP 32 15 32C
GARRISON LAKE
CANCELLED NO.'S
604
605
702
1102
THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.
603
608 0.28 AC.
607 0.03
609 0.13 AC.
606 0.20 AC.
600 0.55 AC.
602
500
401
400
PARTITION
402
403
300
200
MEANDER LINE
PLAT
1/16 COR.
31
32
T.32S. R.15W.
T.33S. R.15W.
6
5
601
701
703
700 0.49AC.
708 0.45AC.
707 0.54AC.
706 0.47 AC.
705
704
800
900
1000
100
LAKE
PAR 1
PAR 2
PAR 3
1994-25
SHORE
DRIVE
A
B
C
J
K
2-1
SEE CS 33-278
SEE CS NOV 1989
SCALE 1:2400
FEET
KILOMETER
SEE MAP 33 15
SEE MAP 33 15 5BA
1100U1
1100U2
1200U1
1200U2
1101
RECEIVED
JUN 24 1994
DEPT. OF REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.

33-15-5BB



NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

N

0 50 100 150 200

SCALE IN FEET

TAX LOT MAP #: 33 15 5BA

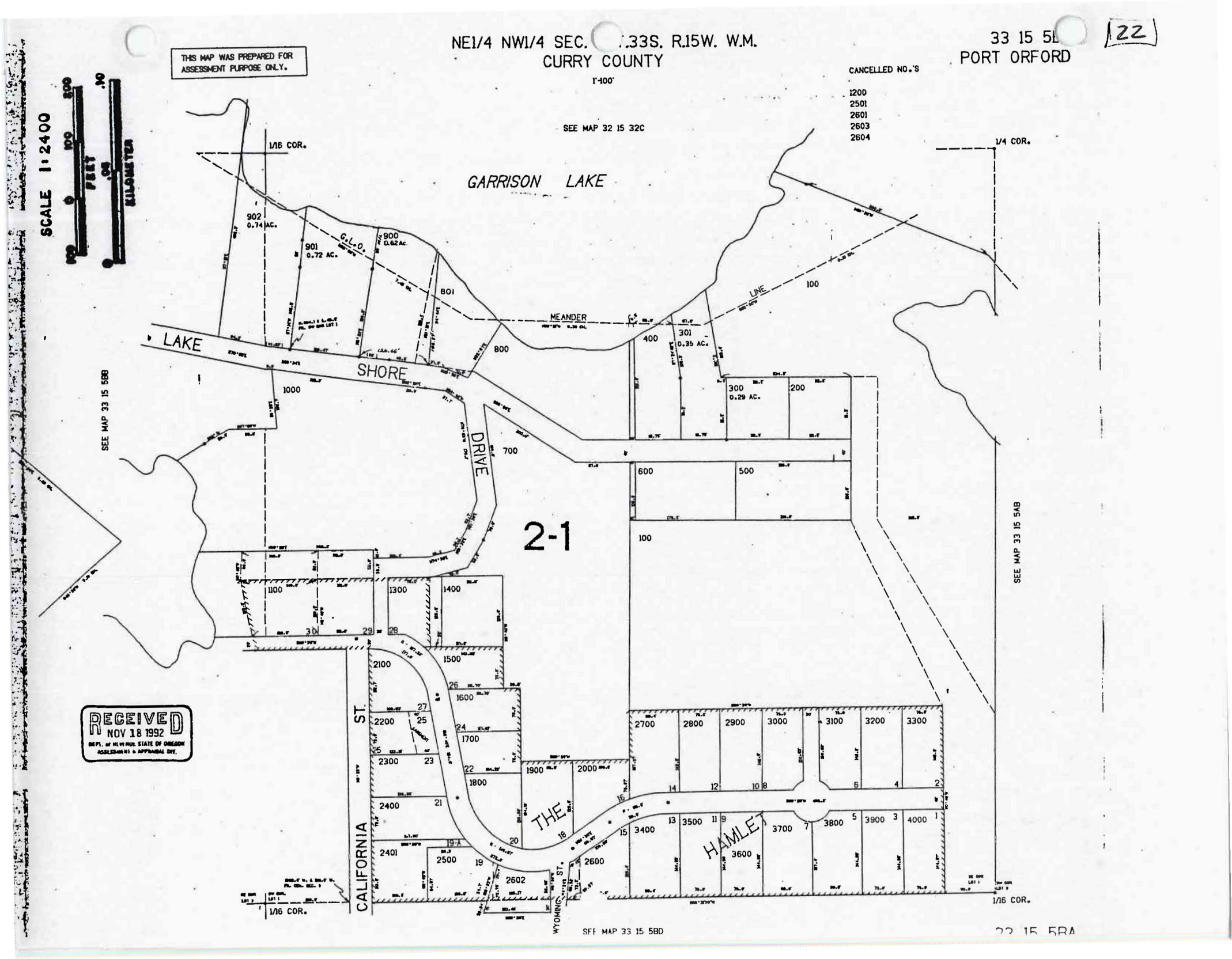
LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

DATE: 7/1/99	PROJ. NO. 73843

1/16 CORNER

\\CAD\PORT ORFORD LWI\TAXMAP22.dwg


NE1/4 NW1/4 SEC. .33S. R.15W. W.M.
CURRY COUNTY
1"=400'
33 15 5L
PORT ORFORD
122
THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.
SCALE 1:2400
FEET
KILOMETER
CANCELLED NO.'S
1200
2501
2601
2603
2604
SEE MAP 32 15 32C
1/16 COR.
1/4 COR.
GARRISON LAKE
902
0.74 AC.
901
0.72 AC.
900
0.62 Ac.
801
G.L.O.
MEANDER
LINE
100
LAKE SHORE
800
400
301
0.35 AC.
300
0.29 AC.
200
1000
DRIVE
700
600
500
2-1
SEE MAP 33 15 5BB
SEE MAP 33 15 5AB
1100
1300
1400
1500
2100
1600
2200
1700
2300
1800
2400
1900
2000
2401
2500
2602
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
CALIFORNIA ST.
THE HAMLET
WYOMING ST.
RECEIVED
NOV 18 1992
DEPT. OF REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.
SEE MAP 33 15 5BD
33 15 5BA

TAX LOT MAP #: 33 15 5AB

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

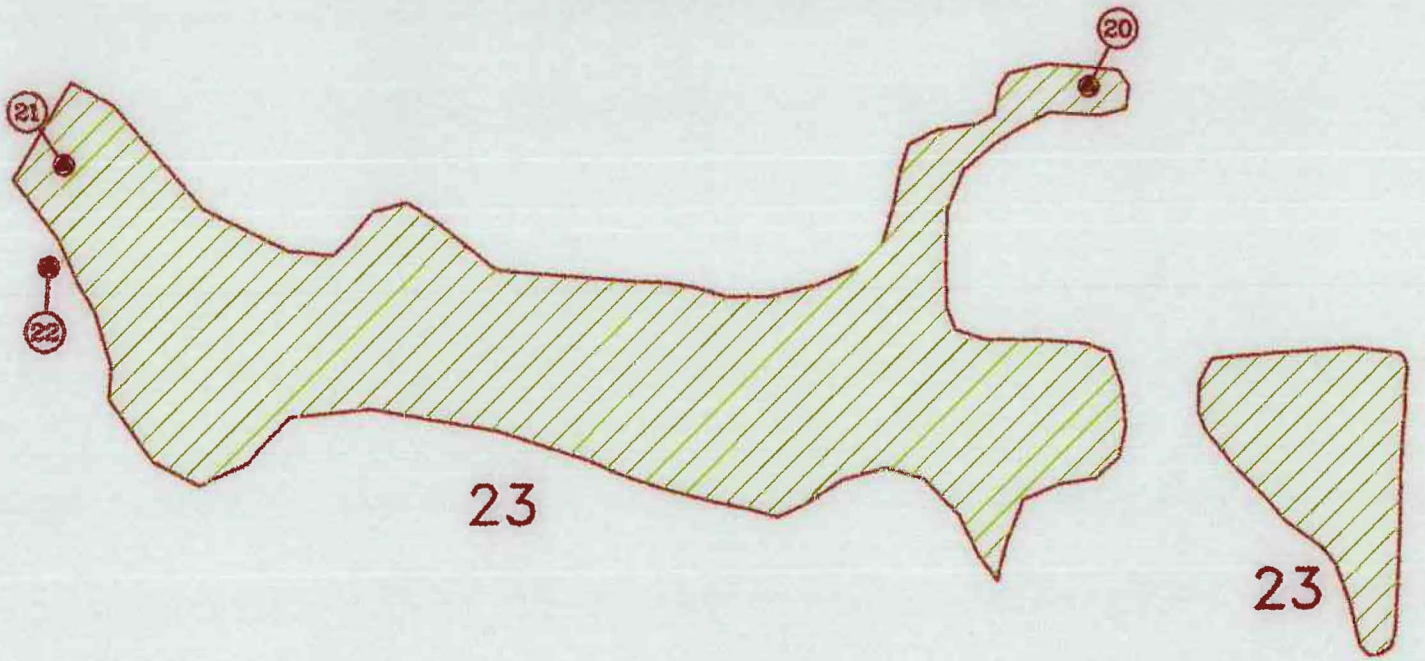
N

0 50 100 150 200

SCALE IN FEET

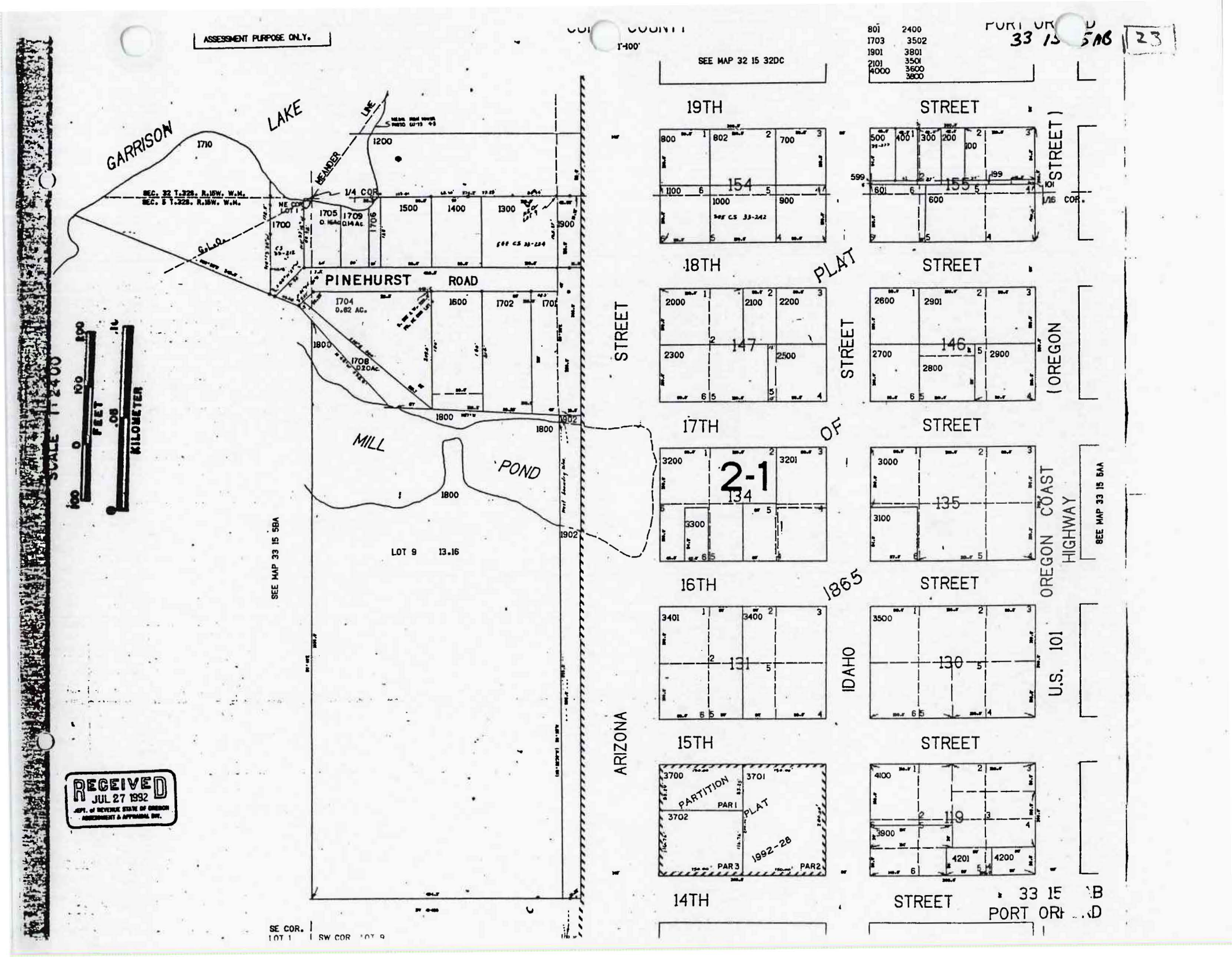
1/4 CORNER

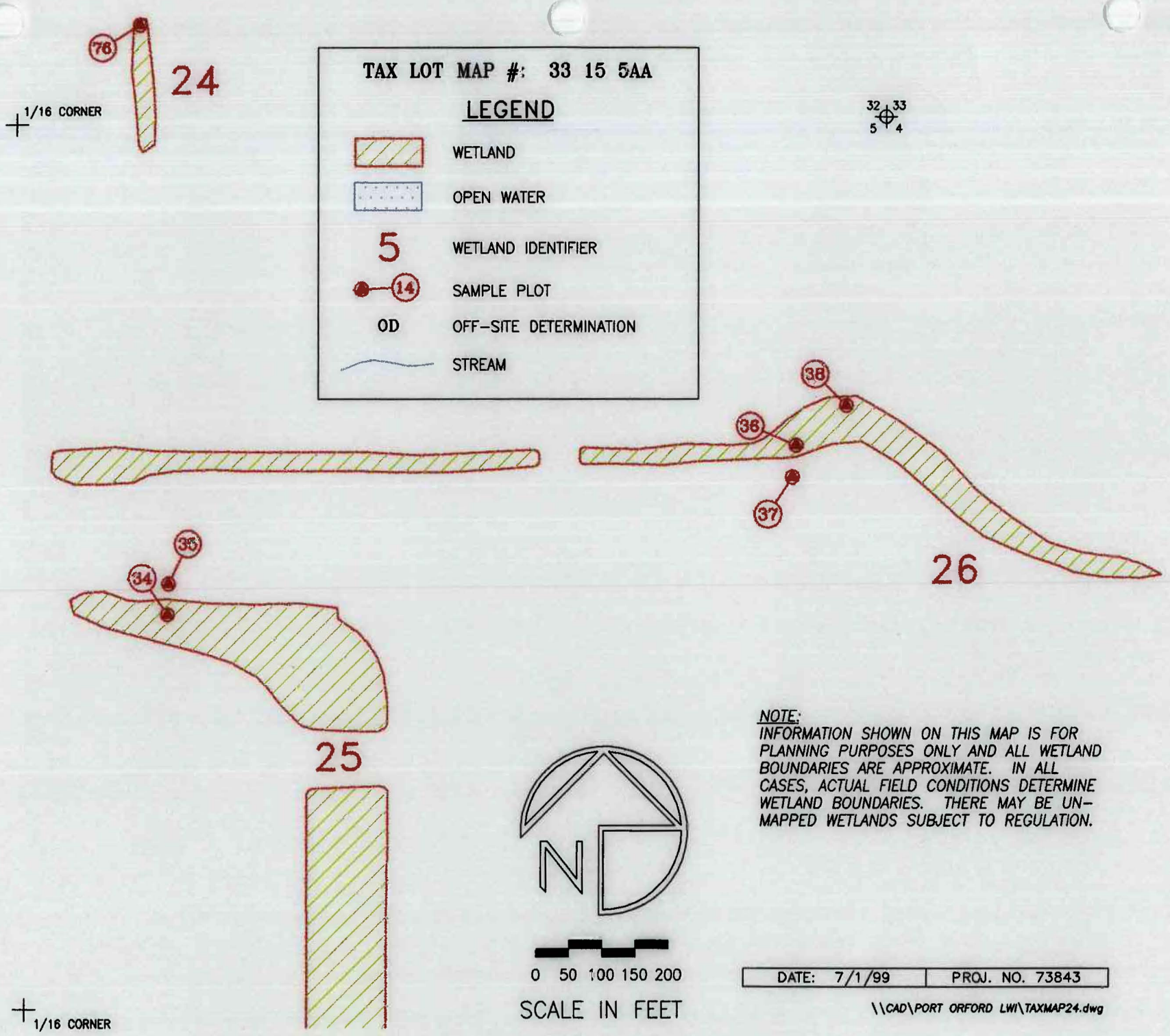
1/16 CORNER



DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP23.dwg

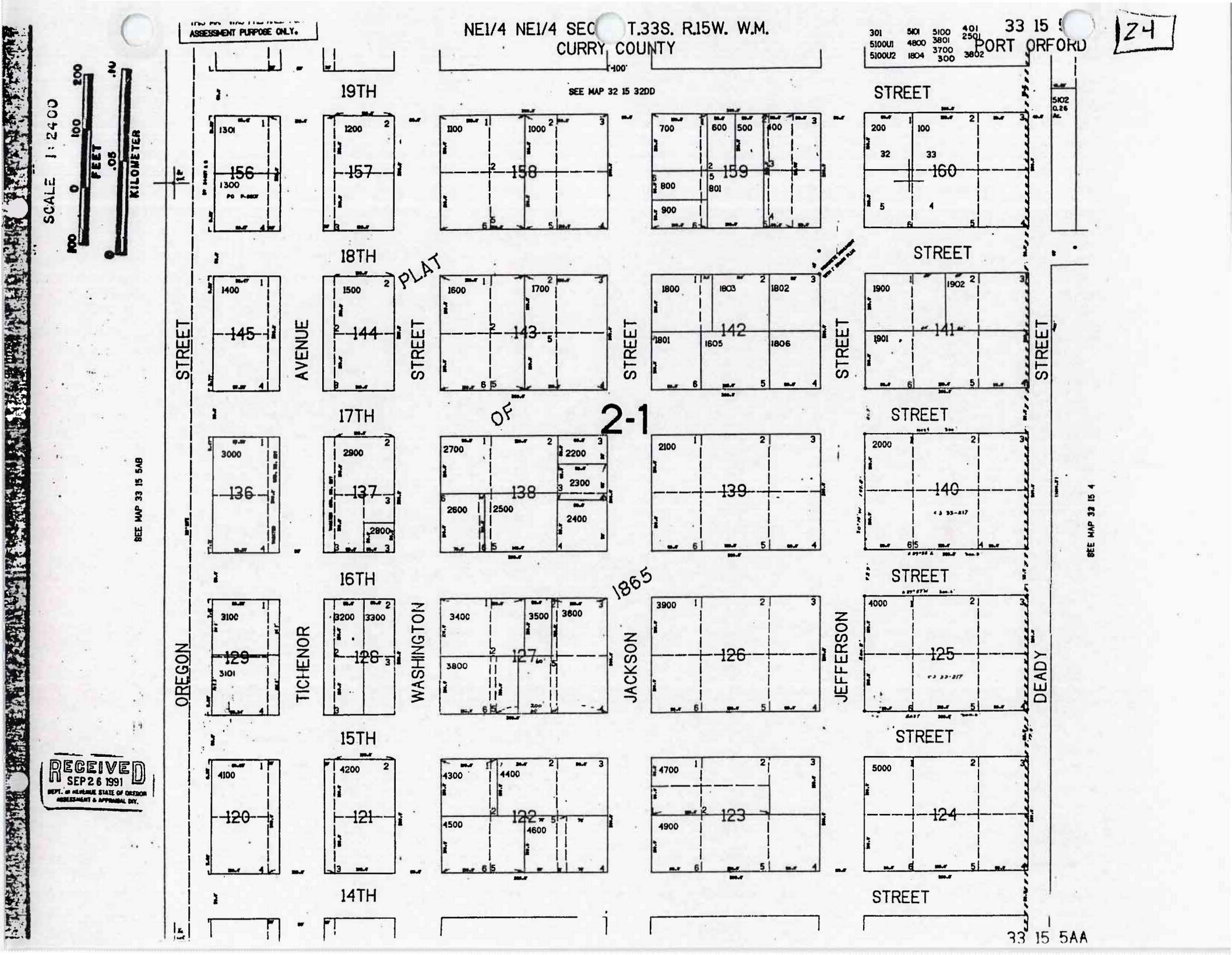

ASSESSMENT PURPOSE ONLY.
SCALE 1" = 400'
SEE MAP 32 15 32DC
SEE MAP 33 15 5BA
SEE MAP 33 15 5AA
GARRISON
LAKE
MEANDER LINE
1/4 COR.
NE COR. LOT 1
SEC. 32 T.32S. R.1W. W.M.
SEC. 5 T.33S. R.1W. W.M.
PINEHURST ROAD
MILL POND
1704 0.62 AC.
1705 0.14 AC.
1708 0.20 AC.
1709
1710
1700
1706
1800
1902
1500
1400
1300
1200
1600
1702
1701
LOT 9 13.16
SE COR. LOT 1
SW COR. LOT 9
19TH STREET
18TH STREET
17TH STREET
16TH STREET
15TH STREET
14TH STREET
PLAT OF 1865
STREET
(OREGON COAST HIGHWAY)
OREGON COAST HIGHWAY
U.S. 101
IDAHO
ARIZONA
2-1
134
154
155
147
146
135
131
130
119
PARTITION PLAT 1992-28
PAR 1
PAR 2
PAR 3
3702
3700
3701
RECEIVED
JUL 27 1992
DEPT. OF REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.
PORTLAND
33 15 5AB
23

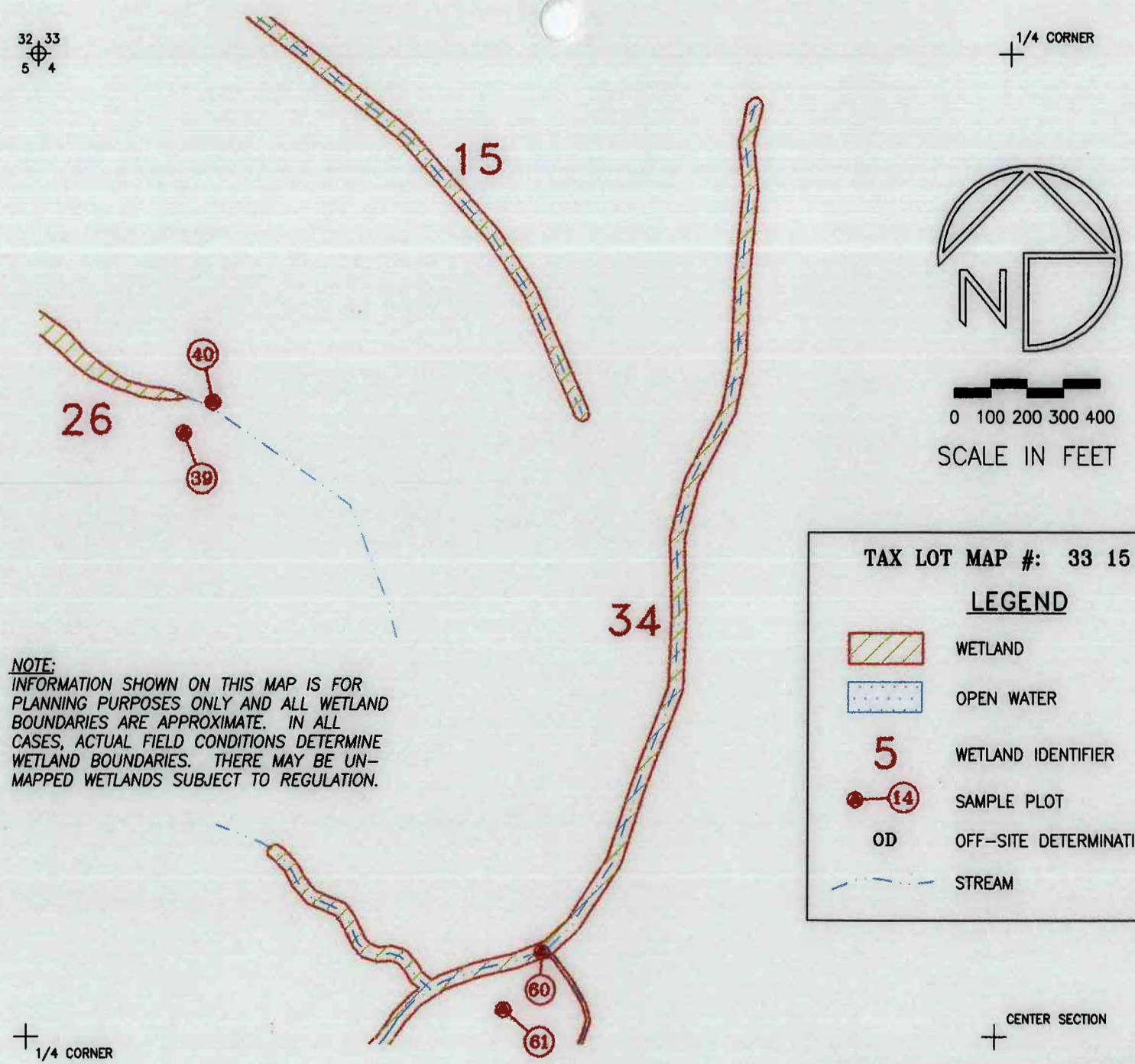


NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP24.dwg


ASSESSMENT PURPOSE ONLY.
NE1/4 NE1/4 SEC T.33S. R.15W. W.M.
CURRY COUNTY
33 15 5
PORT ORFORD
SCALE 1:2400
FEET
KILOMETER
SEE MAP 32 15 32DD
19TH
18TH
17TH
16TH
15TH
14TH
STREET
AVENUE
OREGON
TICHENOR
WASHINGTON
JACKSON
JEFFERSON
DEADY
PLAT OF 2-1
1865
SEE MAP 33 15 5AB
SEE MAP 33 15 4
RECEIVED
SEP 26 1991
DEPT. OF REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.
33 15 5AA
24



NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

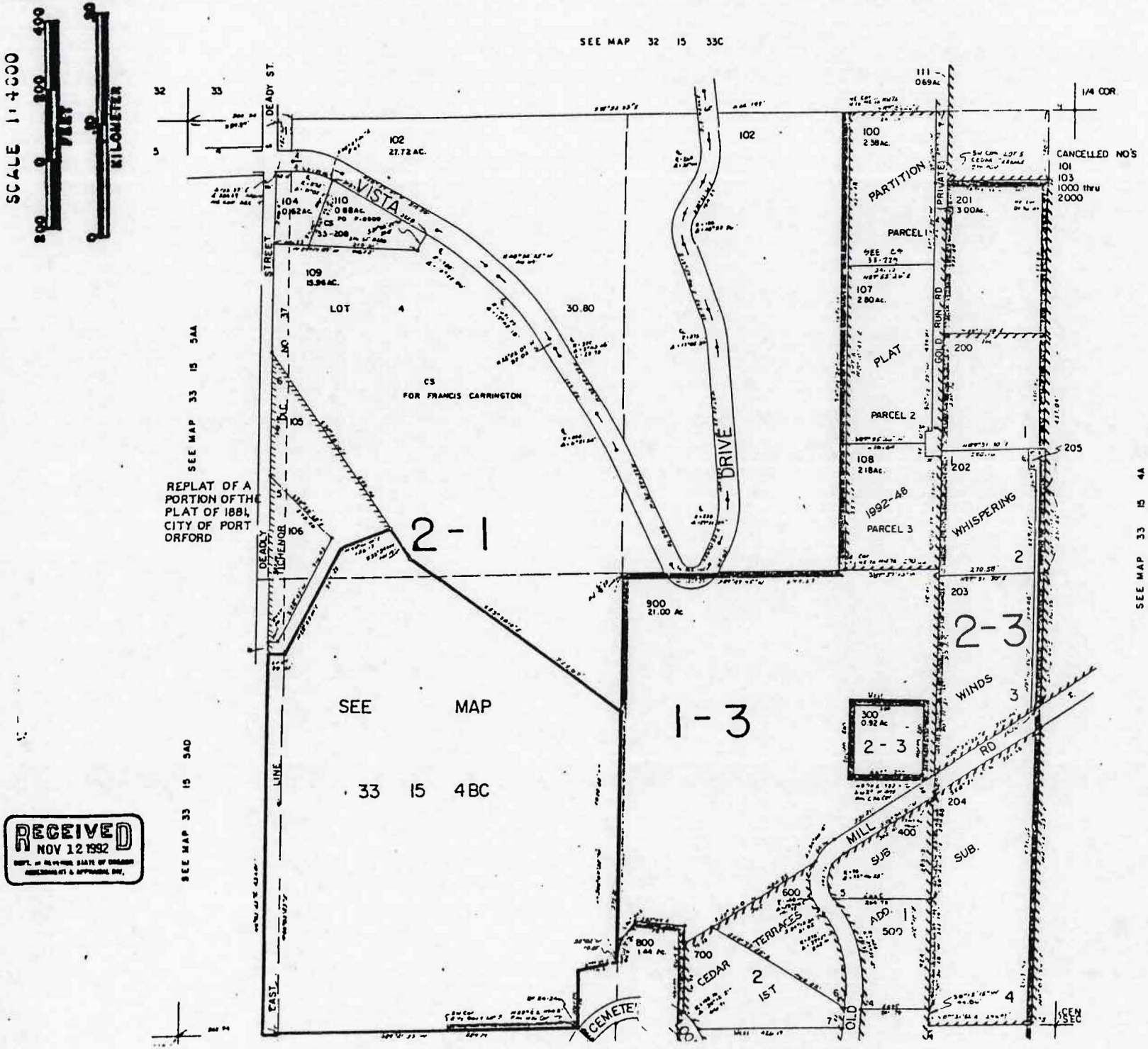
TAX LOT MAP #: 33 15 4B

LEGEND

	WETLAND
	OPEN WATER
5	WETLAND IDENTIFIER
14	SAMPLE PLOT
OD	OFF-SITE DETERMINATION
	STREAM

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP25.dwg


SCALE 1:4000
FEET
METERS
SEE MAP 32 15 33C
DEADY ST.
VISTA
STREET
DRIVE
PARTITION
PLAT
PARCEL 1
PARCEL 2
PARCEL 3
1992-48
GOLD RUN RD
PRIVATE
1/4 COR.
CANCELLED NO'S
101
103
1000 thru
2000
REPLAT OF A PORTION OF THE PLAT OF 1881, CITY OF PORT ORFORD
DEADY MCKENZIE
LOT 4
30.80
CS
FOR FRANCIS CARRINGTON
2-1
1-3
2-3
SEE MAP
33 15 4BC
SEE MAP 33 15 5AA
SEE MAP 33 15 5AD
SEE MAP 33 15 4A
EAST LINE
WHISPERING
WINDS
MILL RD
SUB.
ADD 1
TERRACES
CEDAR
2
1ST
CEMETERY
OLD
102
27.72 AC.
104
0.62 Ac.
110
0.88 Ac.
109
15.96 Ac.
105
106
107
2.80 Ac.
108
2.18 Ac.
111
0.69 Ac.
100
2.38 Ac.
201
3.00 Ac.
200
202
205
203
204
900
21.00 Ac.
300
0.92 Ac.
400
500
600
700
800
1.44 Ac.
RECEIVED
NOV 12 1992

SCALE IN FEET

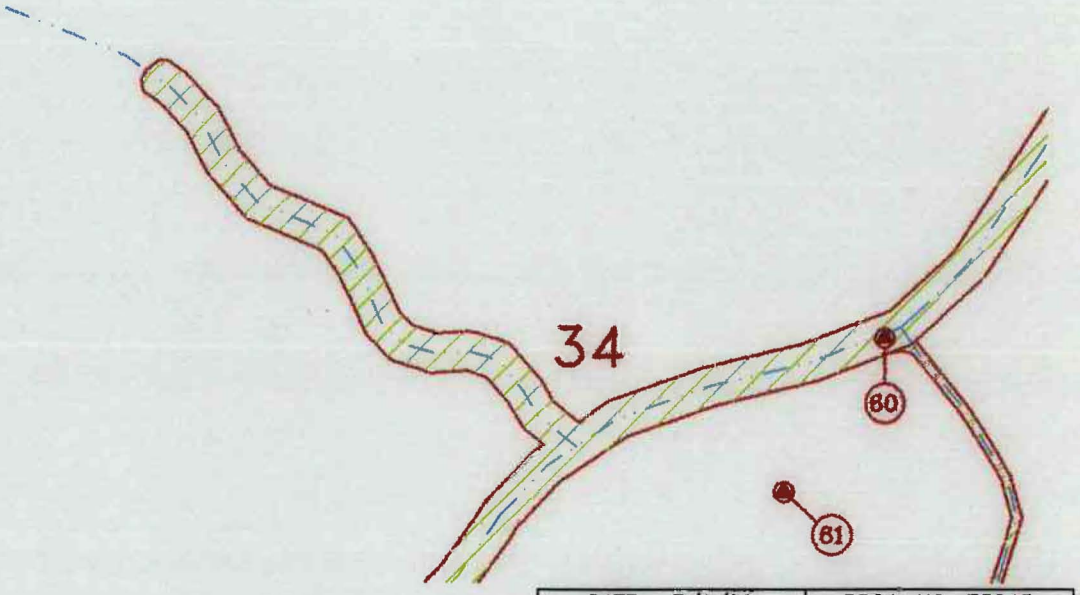
1/16 CORNER

TAX LOT MAP #: 33 15 4BC

LEGEND

	WETLAND
	OPEN WATER
5	WETLAND IDENTIFIER
14	SAMPLE PLOT
OD	OFF-SITE DETERMINATION
	STREAM

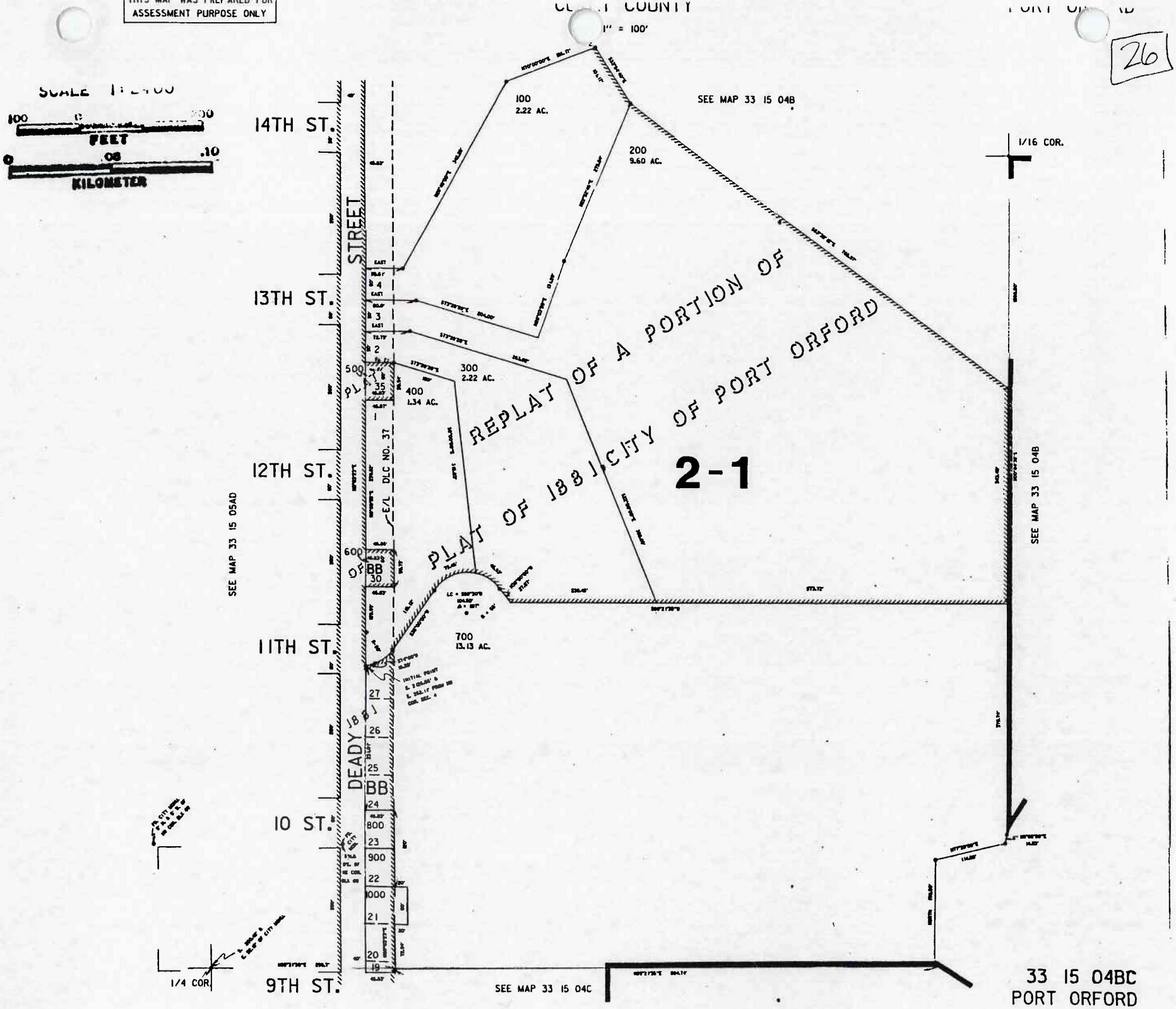
NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

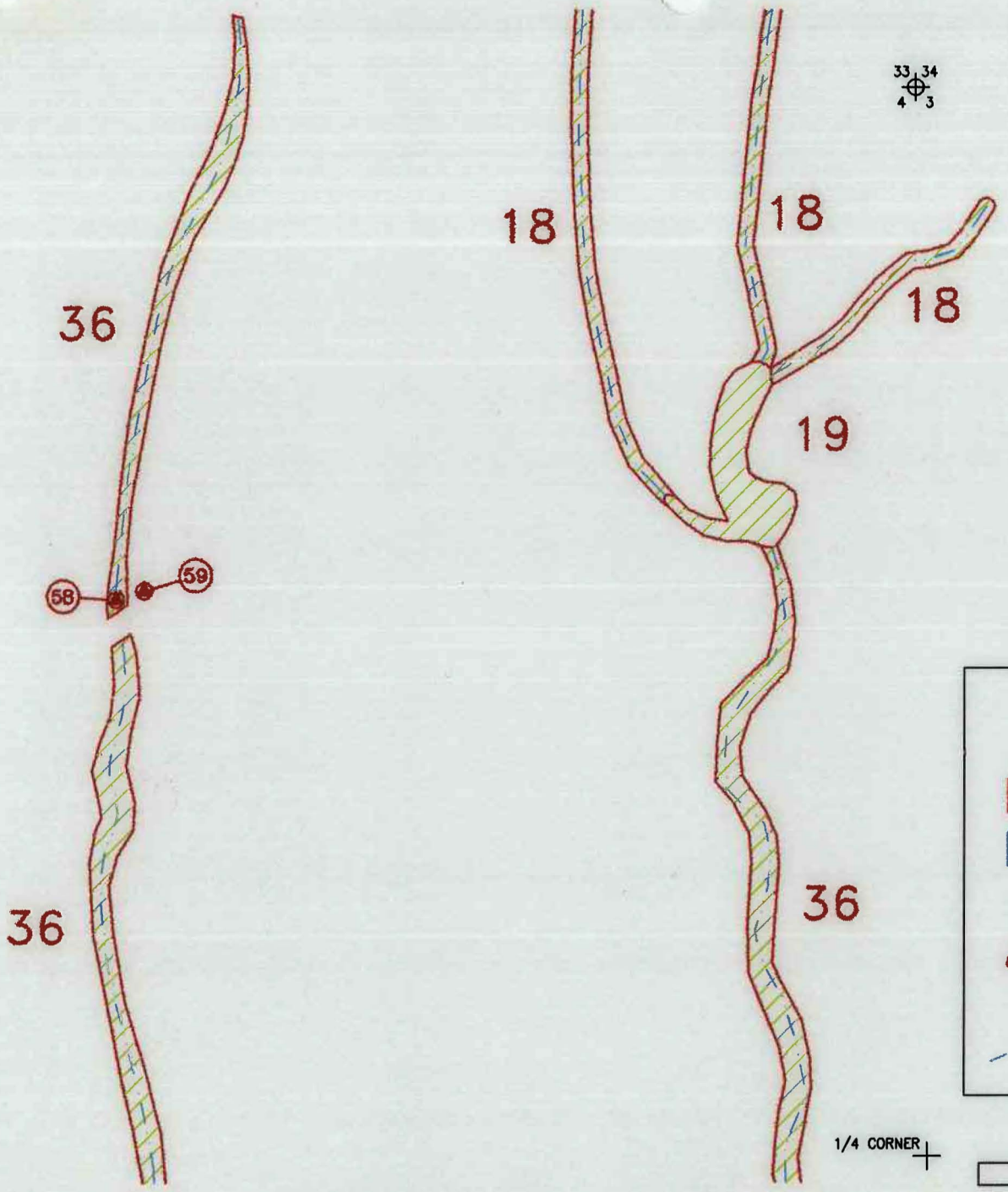


1/4 CORNER

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP26.dwg


ASSESSMENT PURPOSE ONLY
1" = 100'
26
SCALE
100
FEET
.08
.10
KILOMETER
14TH ST.
13TH ST.
12TH ST.
11TH ST.
10 ST.
9TH ST.
DEADY STREET
100
2.22 AC.
200
9.60 AC.
300
2.22 AC.
400
1.34 AC.
500
600
700
13.13 AC.
SEE MAP 33 15 04B
SEE MAP 33 15 05AD
SEE MAP 33 15 04C
1/16 COR.
1/4 COR
E/L DLC NO. 37
REPLAT OF A PORTION OF
PLAT OF 1891 CITY OF PORT ORFORD
2-1
33 15 04BC
PORT ORFORD



NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

N

0 100 200 300 400

SCALE IN FEET

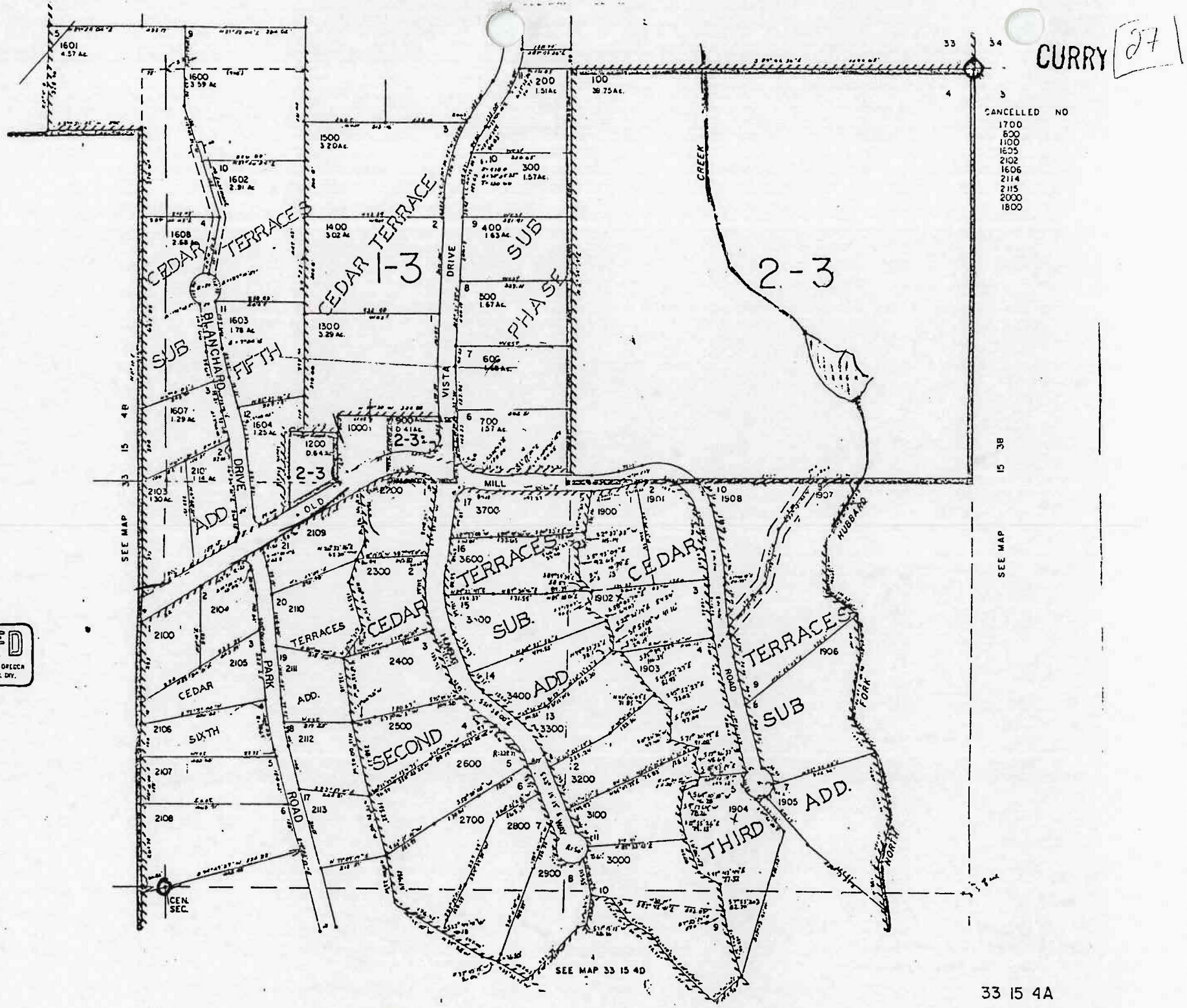
TAX LOT MAP #: 33 15 4A

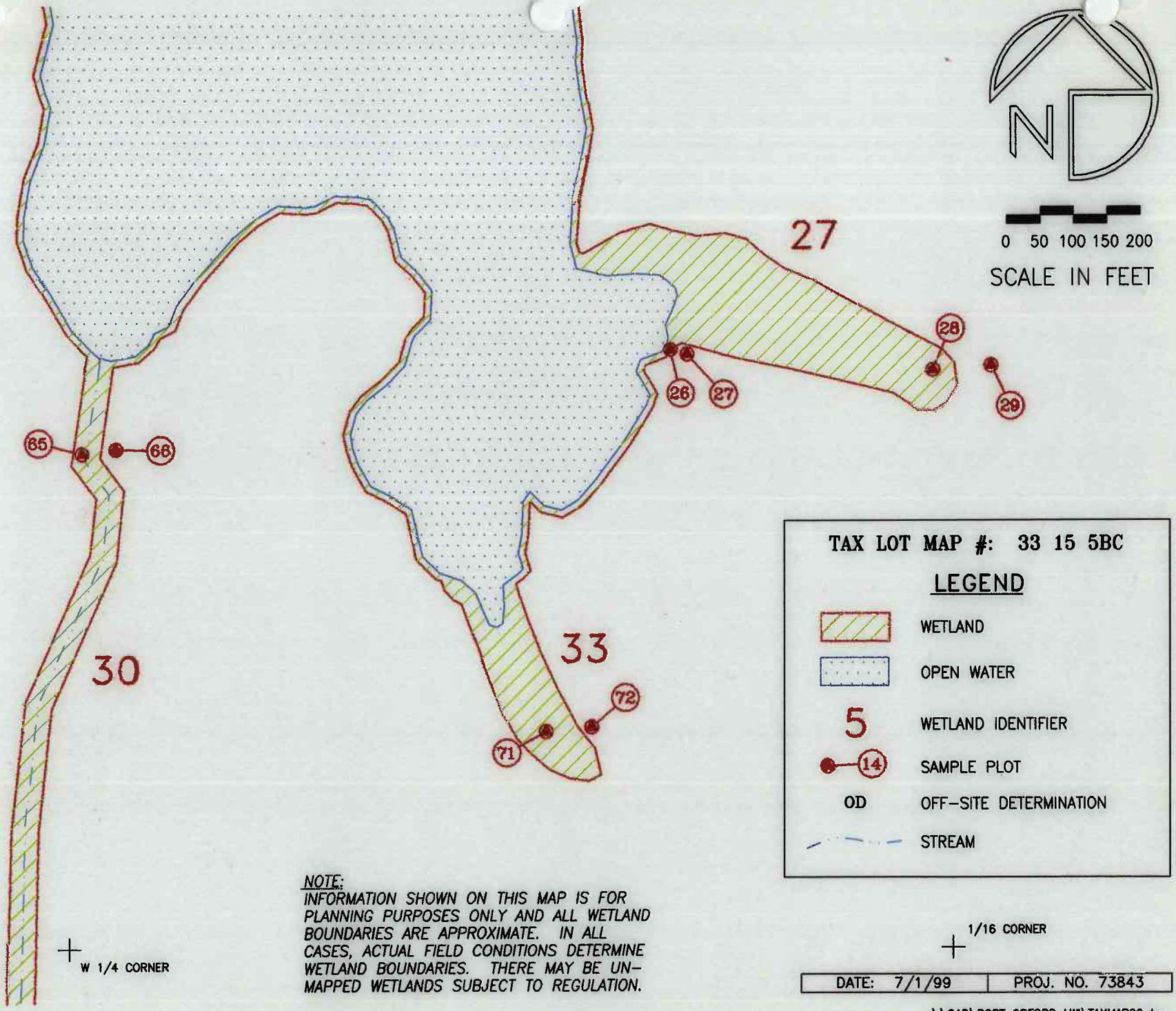
LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP27.dwg


CURRY 27
CANCELLED NO
1700
600
1100
1605
2102
1606
2114
2115
2000
1800
CEDAR TERRACE 1-3
CEDAR TERRACE 2-3
SUB PHASE
BLANCHARD SUB FIFTH ADD
CEDAR TERRACES SUB.
CEDAR TERRACES SECOND ADD
CEDAR TERRACES THIRD ADD
SUB
DRIVE
VISTA
MILL
CREEK
HUBBARD
ROAD
PARK
OLD
NORTH FORK
SEE MAP
SEE MAP 33 15 4D
CEN. SEC.
RECEIVED
JAN 20 1994
33 15 4A



TAX LOT MAP #: 33 15 5BC

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP29.dwg

SW1/4 NW1/4 SE[illegible] T.33S. R.15W. W.M.
CURRY COUNTY

33 15
PORT ORFORD

129

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.

SCALE 1:2400

1"=100'

CANCELLED NOS.
101
102
200
310

SEE MAP 33 15 5BB

1/16 COR

100
2.35 Ac.

PARTITION 2-1 PLAT

103
0.96 Ac.

PARCEL 2

13TH ST.

104
0.64 Ac.

1991-64

PARCEL 1

PARCEL 3

311
1.98Ac.

CALIFORNIA STREET

302
0.88Ac.

12TH ST.

GARRISON LAKE

1-3

300
23.25Ac.

GLO

MEANDER LINE

SEE MAP 33 15

300

SEE MAP 33 15 5BD

2-1

RECEIVED
FEB 21 1992
DEPT. OF REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.

BEACH ROAD

33 15 5BC

1/16 CORNER

SE CORNER
NW CORNER LOT 8

TAX LOT MAP #: 33 15 5BD

LEGEND

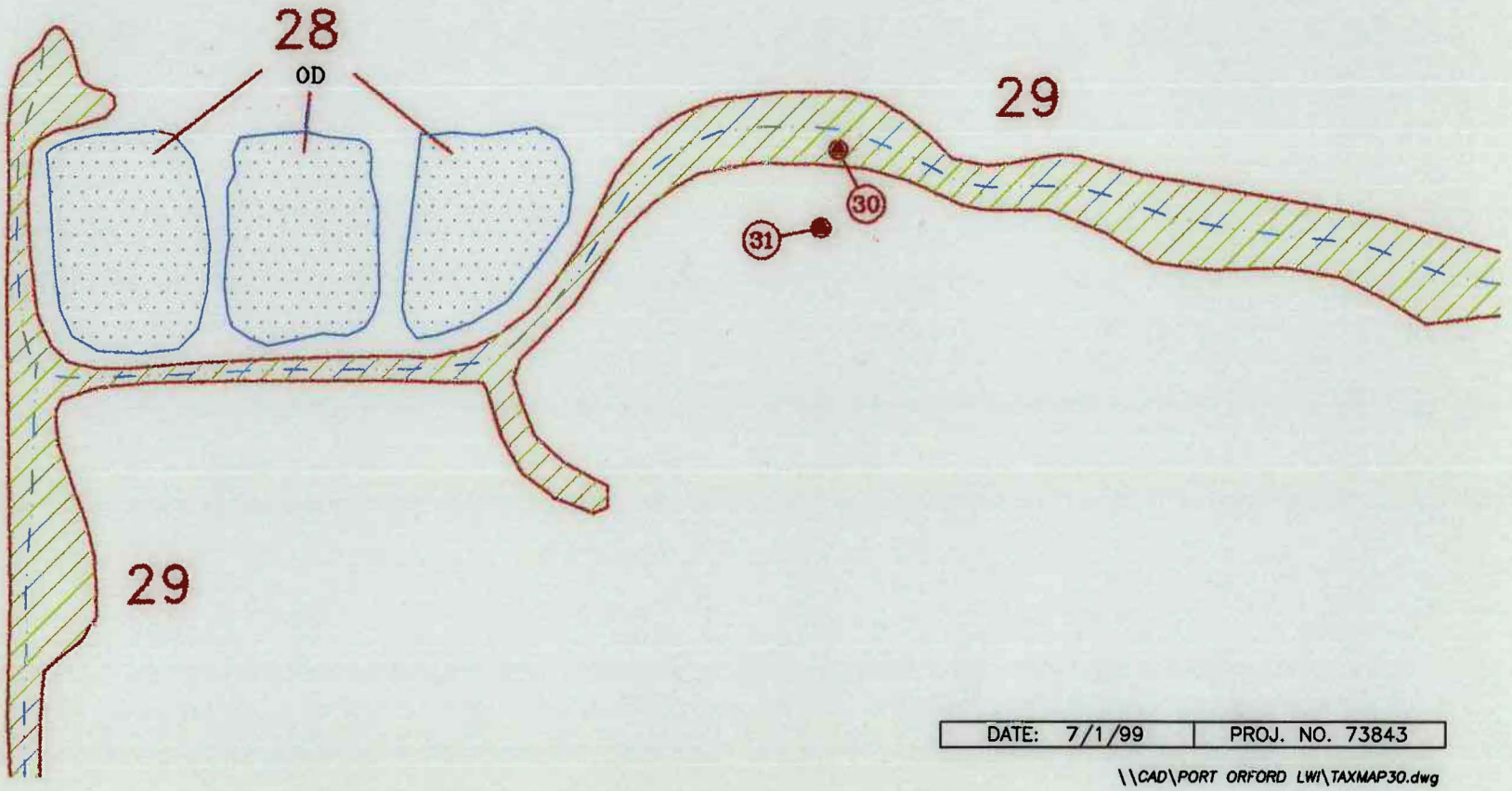
- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

N

0 50 100 150 200

SCALE IN FEET



DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP30.dwg

CURRY COUNTY

1" = 100'

SEE MAP 33 15 5BA

CANCELLED NO.
604
702
705
800
802
701
303
1009

CALIFORNIA ST.
WYOMING ST.
13th
12th
STREET
MACKEY'S SUB.
2-1
1-3
BEACH RD
AGATE

812 0.13Ac.
804 0.44Ac.
700 0.29Ac.
803
813 0.15Ac.
806 0.12Ac.
603 0.69 Ac
500 1.35Ac.
301 0.80Ac.
100 0.60Ac.
602 0.05Ac.
801
808
809
810
811
807
707 0.17Ac.
601 0.24Ac.
300 0.53Ac.
304 0.17Ac.
805 0.12Ac.
200 0.40Ac.
706 0.15Ac.
900 1.00Ac.
1700 0.06Ac.
704 0.22Ac.
600 0.24Ac.
703 0.14Ac.
400 0.31Ac.
302 0.28Ac.
1000 0.45Ac.
1005 0.35Ac.
1008 0.20Ac.
1004 0.36Ac.
1006U1
1006U2 0.71Ac.
1001U1
1001U2 0.21Ac.
1007 0.22Ac.
1003 0.05Ac.
1100 1.00Ac.
1301 0.63Ac.
1002 0.45Ac.
1200 1.33Ac.
1300 6.00Ac.
1600 6.47Ac.
1400 4.09Ac.
1500 0.30Ac.

SEE MAP 33 15 5BC
SEE MAP 33 15 5AC
SEE MAP 33 15 5C

33 15 5 BD

1/16 CORNER

TAX LOT MAP #: 33 15 5AC

LEGEND

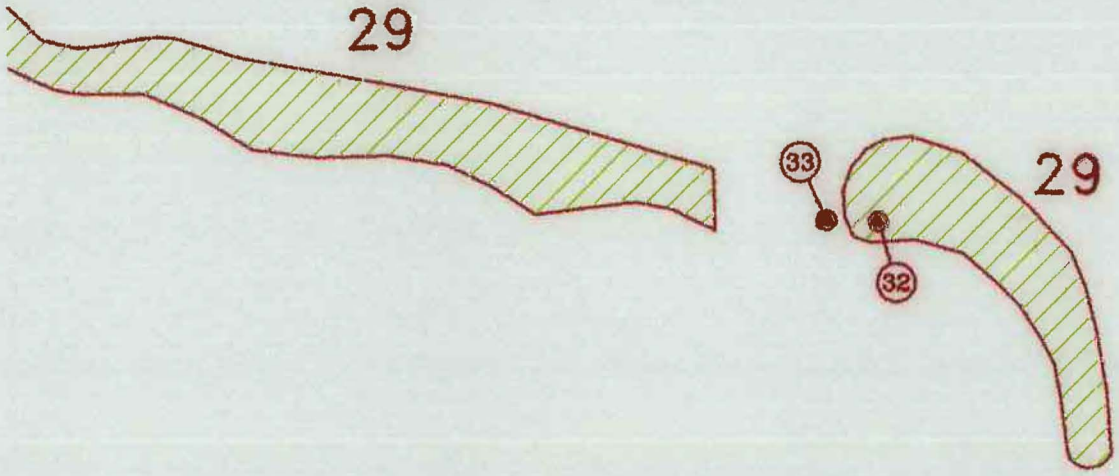
- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

N

0 50 100 150 200

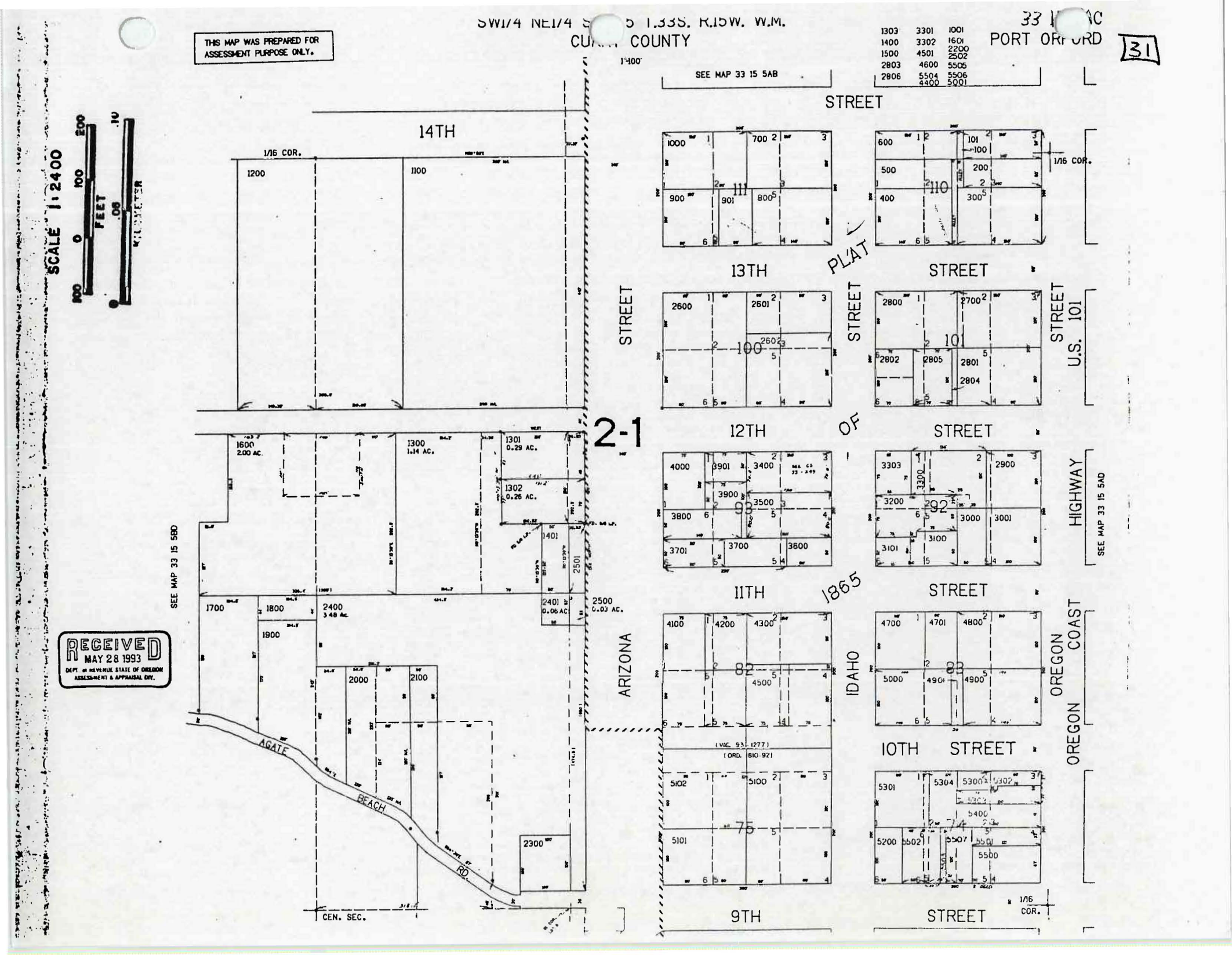
SCALE IN FEET



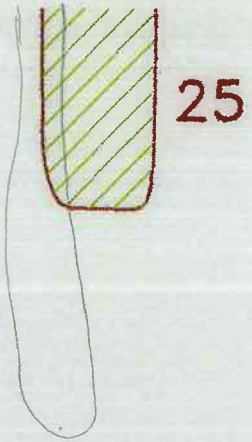
1/16 CORNER

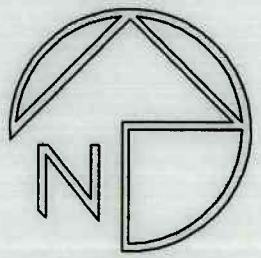
DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP31.dwg


THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.
SW1/4 NE1/4 S 5 T.33S. R.15W. W.M.
COUNTY
33 15 5AC
PORT ORFORD
31
SCALE 1:2400
FEET
METER
SEE MAP 33 15 5AB
1303 3301 1001
1400 3302 1601
1500 4501 2200
2803 4600 2502
2806 5504 5505
4400 5506
5001
STREET
14TH
1/16 COR.
1200
1100
1000
700
900
901
800
111
600
500
400
101
100
200
110
300
1/16 COR.
13TH
PLAT
STREET
2600
2601
100
2602
2800
2700
101
2802
2805
2801
2804
STREET
U.S. 101
12TH
OF
STREET
2-1
1600
2.00 AC.
1300
1.14 AC.
1301
0.29 AC.
1302
0.26 AC.
4000
3901
3400
3900
3500
3800
93
3700
3600
3303
3300
2900
3200
92
3000
3001
3100
3101
HIGHWAY
SEE MAP 33 15 5AD
SEE MAP 33 15 5BD
1401
2501
2401
0.06 AC.
2500
0.03 AC.
1700
1800
2400
3.48 AC.
1900
11TH
1865
STREET
ARIZONA
IDAHO
4100
4200
4300
82
4500
4700
4701
4800
83
5000
4901
4900
OREGON COAST
OREGON
(VAC. 93-1277)
(ORD. BIO 92)
10TH
STREET
5102
5100
75
5101
5301
5304
5300
5302
5400
5200
5502
5507
5501
5500
2000
2100
2300
AGATE
BEACH
RD.
CEN. SEC.
9TH
STREET
1/16 COR.
RECEIVED
MAY 28 1993
DEPT. OF REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.

1/16 CORNER





0 50 100 150 200

SCALE IN FEET

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

TAX LOT MAP #: 33 15 5AD

LEGEND

	WETLAND
	OPEN WATER
5	WETLAND IDENTIFIER
14	SAMPLE PLOT
OD	OFF-SITE DETERMINATION
	STREAM

1/16 CORNER

1/4 CORNER

DATE: 7/1/99	PROJ. NO. 73843

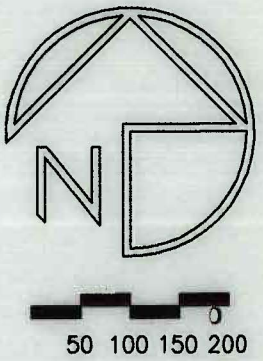
\\CAD\PORT ORFORD LWI\TAXMAP32.dwg

SCALE 1:2400
FEET
KILOMETER
14TH
13TH
12TH
11TH
10TH
9TH
STREET
U.S. 101
HIGHWAY
COAST
OREGON
WASHINGTON
JACKSON
JEFFERSON
DEADY
MARKET
SQUARE
PLAT
1865
2-1
1/16 COR.
1/4 COR.
SEE MAP 33 15 5AC
SEE MAP 33 15 4
109
108
107
106
105
102
103
104
91
90
89
84
85
86
87
88
73
72
71
70
69
RECEIVED
SEP 16 1994
DEPT. of REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.
32
33 15 5AD

CENTER SECTION

1/16 CORNER

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.



SCALE IN FEET

TAX LOT MAP #: 33 15 5DB

LEGEND

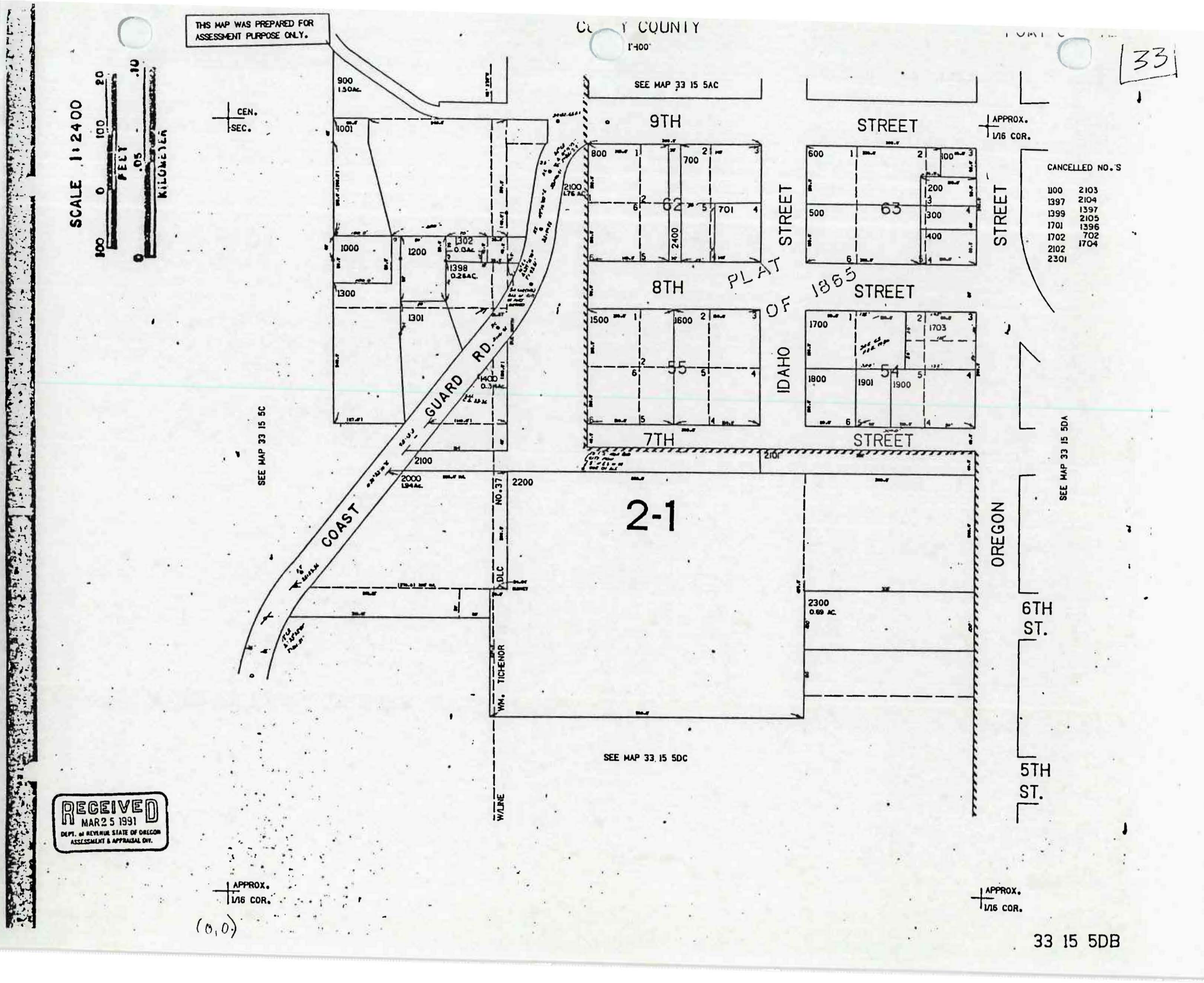
- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

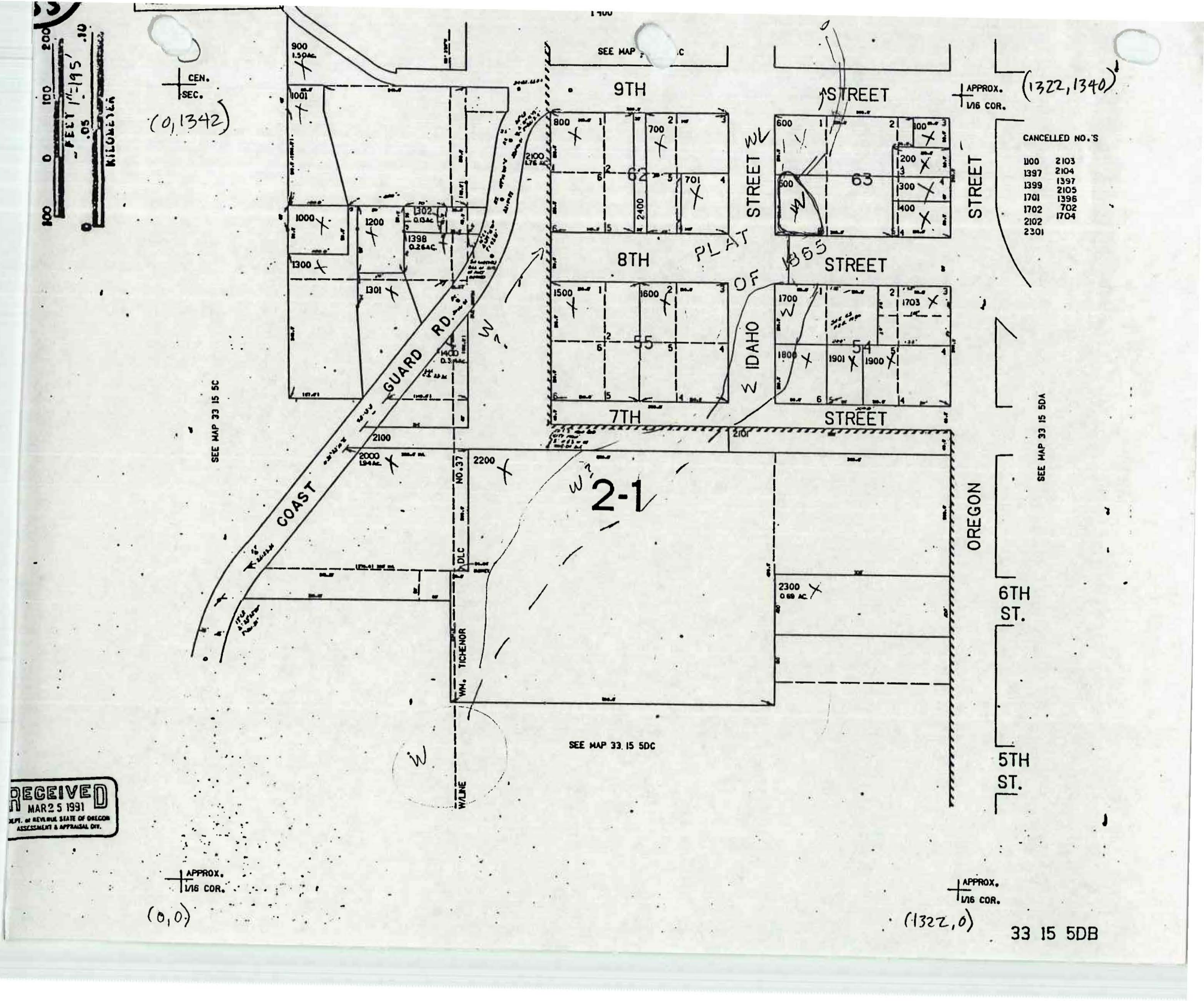
1/16 CORNER

1/16 CORNER

DATE: 7/1/99
PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP33.dwg


THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.
SCALE 1:2400
FEET
KILOMETER
CEN. SEC.
SEE MAP 33 15 5AC
9TH STREET
8TH STREET
7TH STREET
APPROX. 1/16 COR.
CANCELLED NO.'S
1100 2103
1397 2104
1399 1397
1701 2105
1702 1396
2102 702
2301 1704
PLAT OF 1865
IDAHO STREET
OREGON STREET
6TH ST.
5TH ST.
GUARD RD.
COAST
NO. 37
DLC
WM. TICHENOR
W/LINE
2-1
SEE MAP 33 15 5C
SEE MAP 33 15 5DA
SEE MAP 33 15 5DC
RECEIVED
MAR 25 1991
DEPT. of REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.
33 15 5DB


FEET 1"=195'
KILOMETER
CEN. SEC.
(0,1342)
SEE MAP 33 15 5C
SEE MAP 33 15 5DA
SEE MAP 33 15 5DC
9TH
8TH
7TH
STREET
STREET
STREET
STREET
STREET
GUARD RD.
COAST
W. IDAHO
OREGON
6TH ST.
5TH ST.
NO. 37
DLC
WM. TICHENOR
W/LINE
2-1
62
63
55
54
2100
2200
2300
0.69 AC.
2000
1.94 AC.
1400
0.3 AC.
1398
0.26 AC.
1302
0.04 AC.
900
1.50 AC.
APPROX. 1/16 COR.
(1322,1340)
(0,0)
(1322,0)
CANCELLED NO.'S
1100 2103
1397 2104
1399 1397
1701 2105
1702 1396
2102 702
2301 1704
RECEIVED
MAR 25 1991
DEPT. OF REVENUE, STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.
33 15 5DB

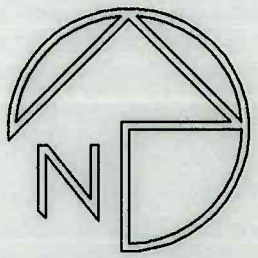
NE CORNER OF
INTERSECTION OF
JEFFERSON ST. & 8TH ST.

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

TAX LOT MAP #: 33 15 5DA

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM



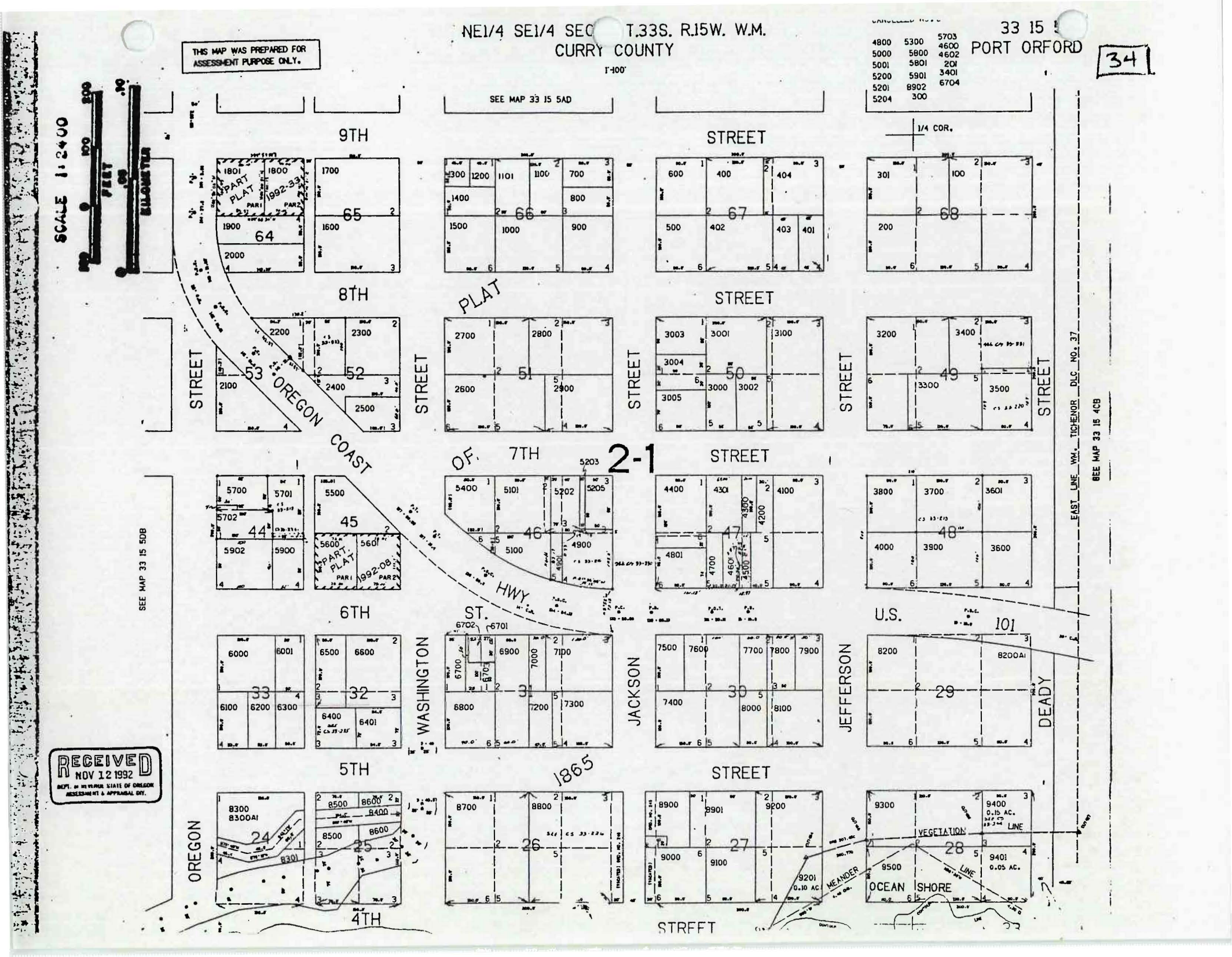
0 50 100 150 200

SCALE IN FEET

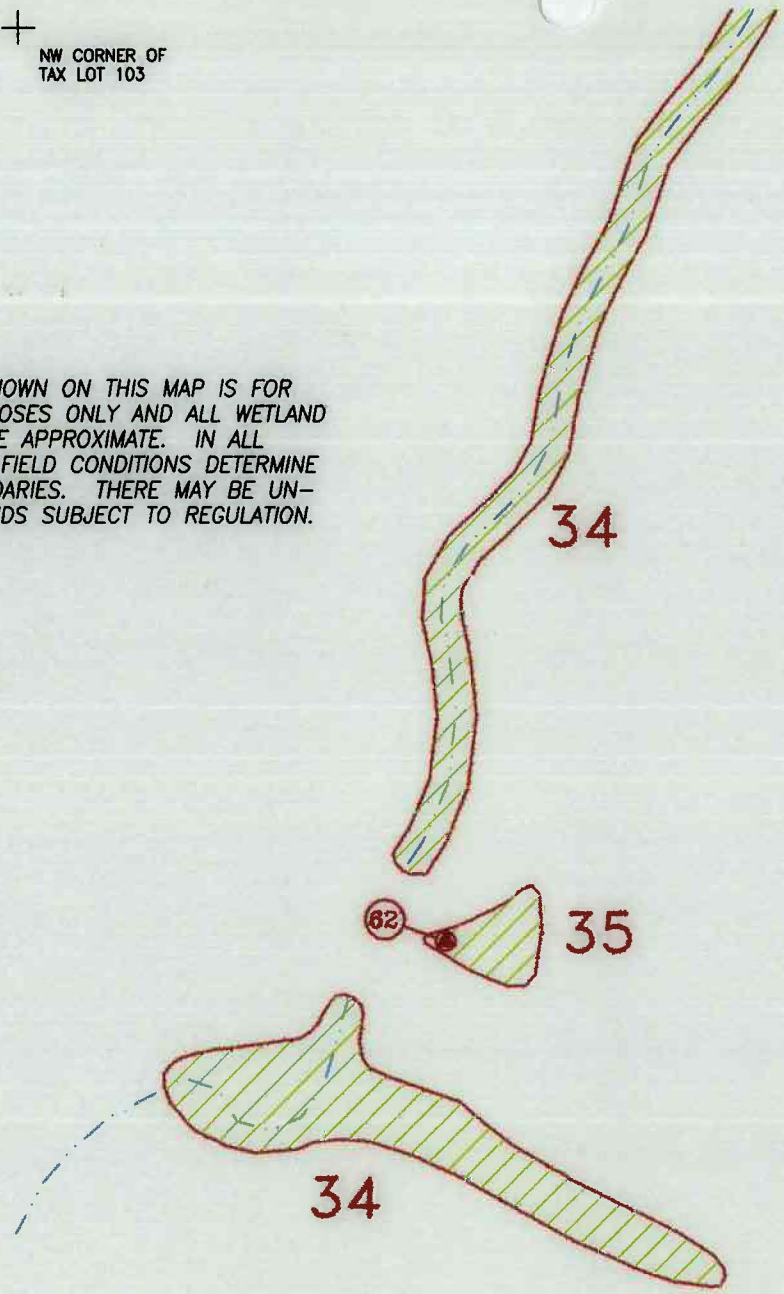
NW CORNER OF
INTERSECTION OF
OREGON ST. & 4TH ST.

DATE: 7/1/95	PROJ. NO. 73843

C:\PROJECTS\DALTON\PORTORFD\TAXMAP34.dwg


NE1/4 SE1/4 SEC T.33S. R.15W. W.M.
CURRY COUNTY
1"=400'
THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.
SCALE 1:2400
PORT ORFORD
34
SEE MAP 33 15 5AD
1/4 COR.
9TH STREET
8TH STREET
7TH STREET
6TH ST.
5TH STREET
4TH STREET
OREGON COAST HWY
U.S. 101
PART PLAT 1992-33
PART PLAT 1992-08
OREGON STREET
WASHINGTON STREET
JACKSON STREET
JEFFERSON STREET
DEADY STREET
1865 PLAT
2-1
EAST LINE WM., TICHENOR DLC NO. 37
SEE MAP 33 15 4CB
SEE MAP 33 15 5DB
VEGETATION LINE
MEANDER LINE
OCEAN SHORE
RECEIVED
NOV 12 1992
DEPT. OF REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.

NW CORNER OF
TAX LOT 103



NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

N

0 50 100 150 200

SCALE IN FEET

TAX LOT MAP #: 33 15 4CB

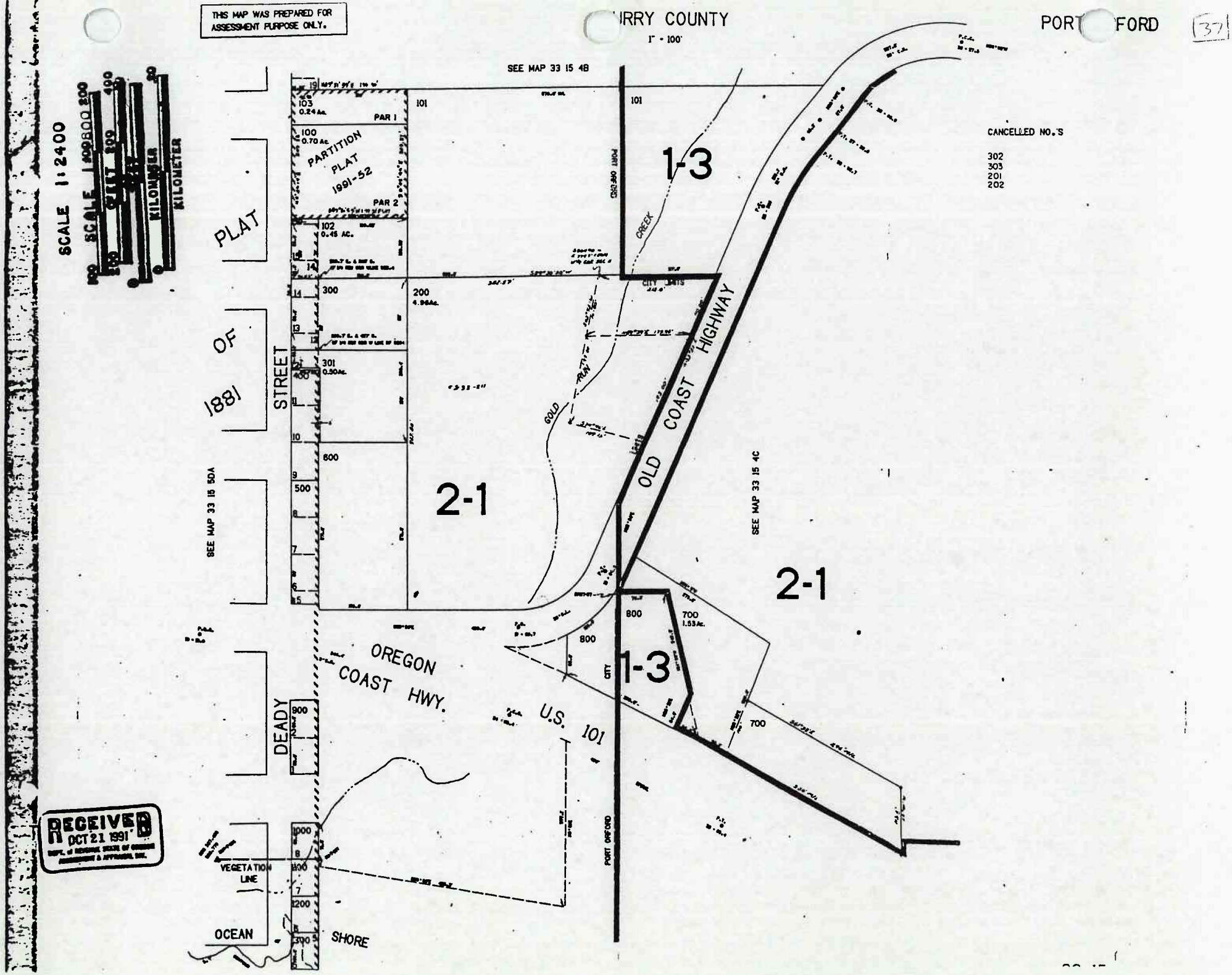
LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

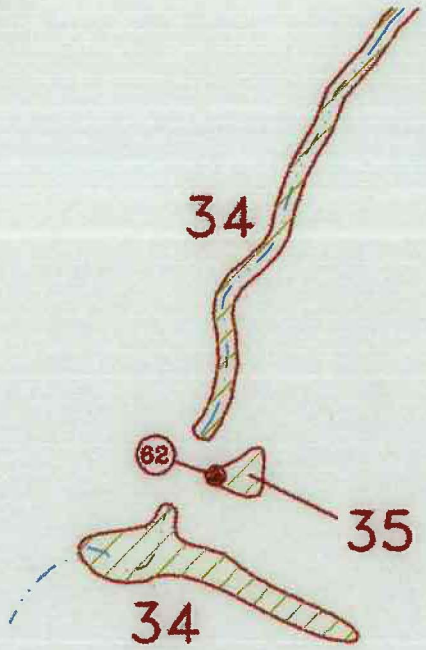
SE CORNER OF
TAX LOT 700

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP37.dwg


THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.
CURRY COUNTY
1" = 100'
PORT ORFORD
37
SCALE 1:2400
SCALE 1 0 100 200 400 600 800
FEET
KILOMETER
SEE MAP 33 15 4B
PLAT OF 1881
STREET
PARTITION PLAT 1991-52
PAR 1
PAR 2
103 0.24 Ac.
100 0.70 Ac.
102 0.45 AC.
101
200 4.96Ac.
300
301 0.50Ac.
600
500
1-3
2-1
CREEK
GOLD RUN
OLD COAST HIGHWAY
CANCELLED NO.'S
302
303
201
202
SEE MAP 33 15 5DA
SEE MAP 33 15 4C
800
700 1.53Ac.
OREGON COAST HWY.
U.S. 101
DEADY
900
1000
1100
1200
1300
VEGETATION LINE
OCEAN SHORE
PORT ORFORD
CITY
RECEIVED
OCT 21 1991

W 1/4 CORNER



NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

CENTER SECTION

SCALE IN FEET

TAX LOT MAP #: 33 15 4C

LEGEND

	WETLAND
	OPEN WATER
5	WETLAND IDENTIFIER
14	SAMPLE PLOT
OD	OFF-SITE DETERMINATION
	STREAM

S 1/4 CORNER

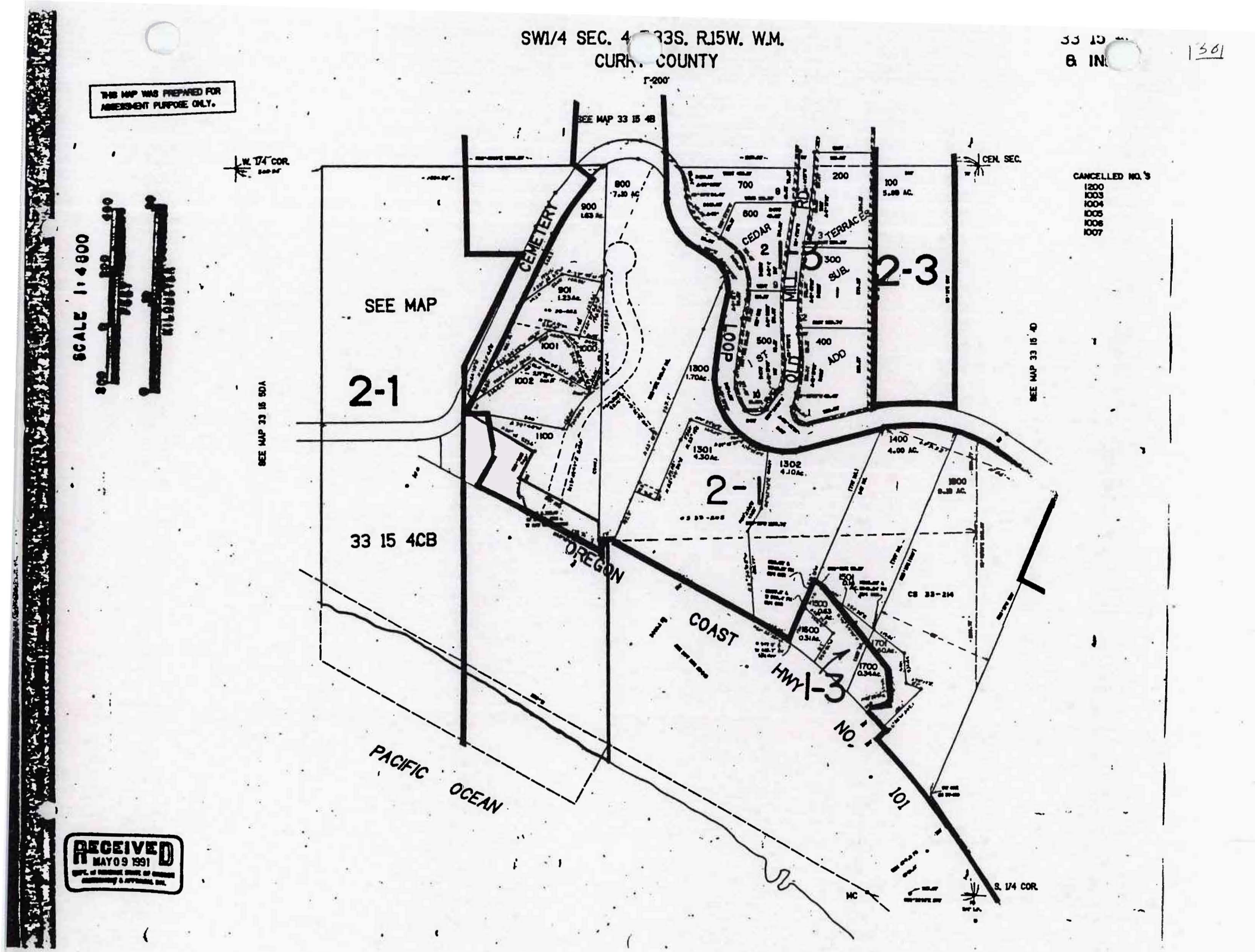
DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP38.dwg

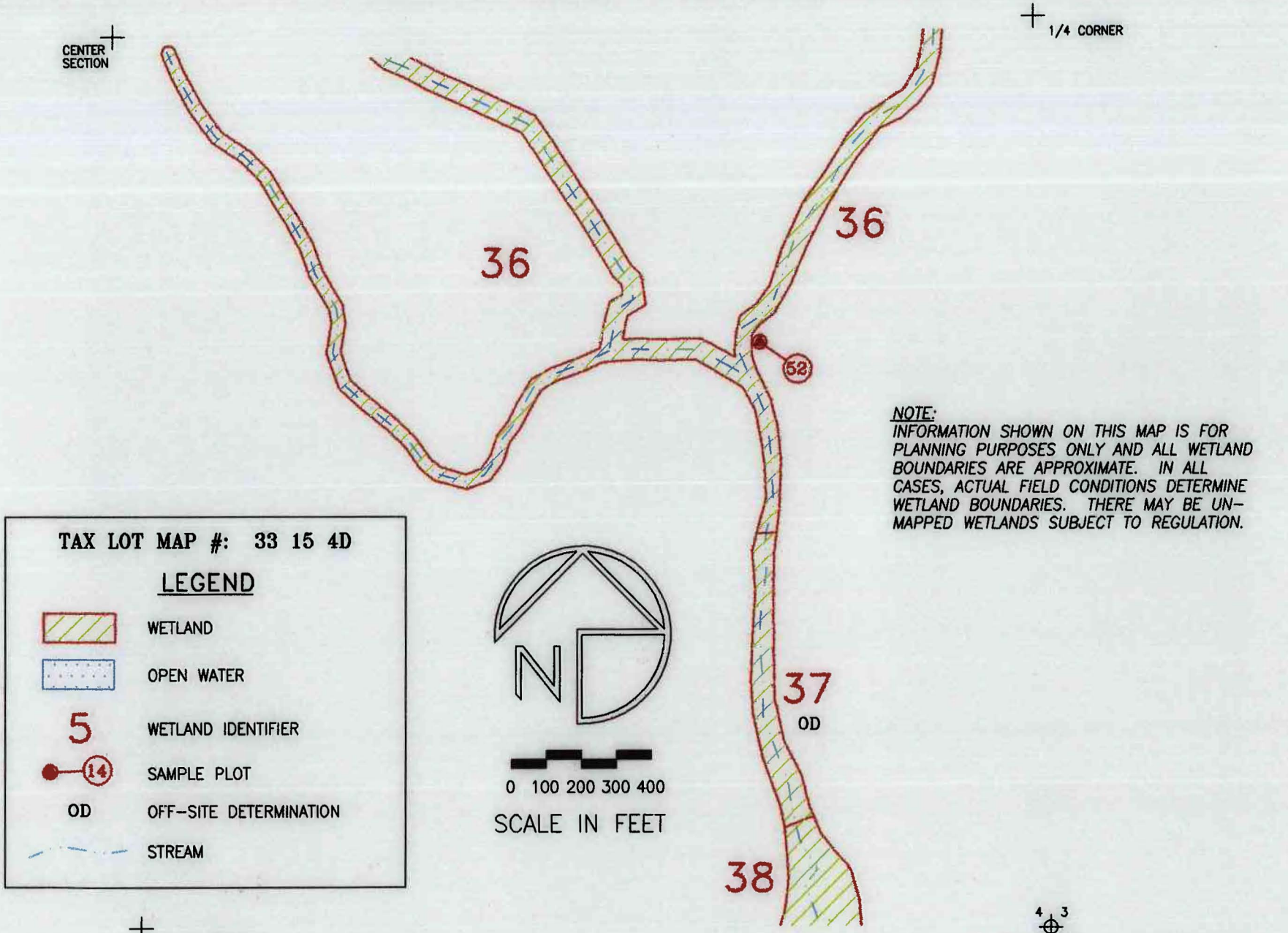
SW1/4 SEC. 4 [illegible]33S. R15W. W.M.
CURR[illegible] COUNTY
33 15 [illegible]
& IN[illegible]

1361

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.



RECEIVED
MAY 09 1991



TAX LOT MAP #: 33 15 4D

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

N

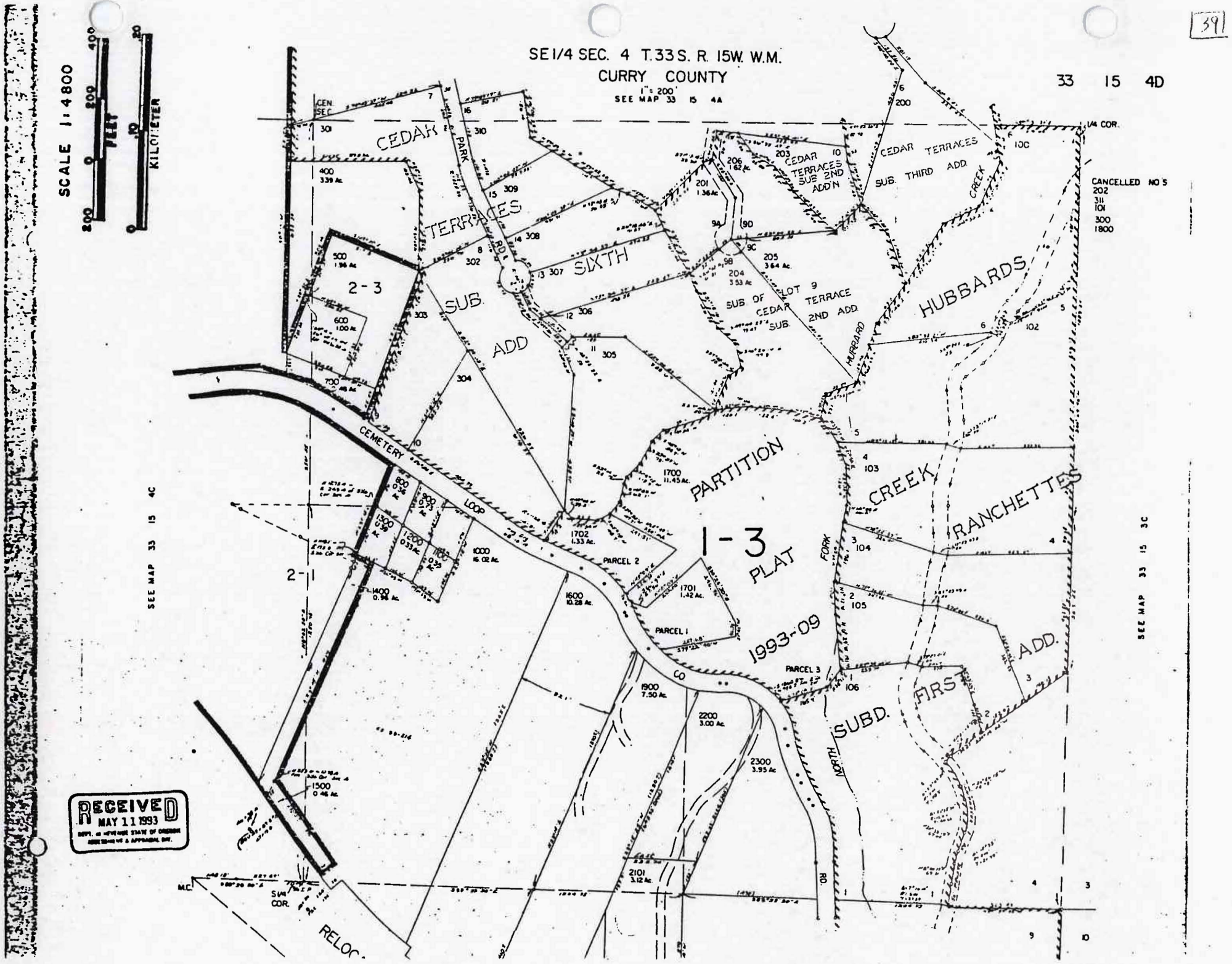
0 100 200 300 400

SCALE IN FEET

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP39.dwg


SE1/4 SEC. 4 T.33S. R. 15W. W.M.
CURRY COUNTY
1" = 200'
SEE MAP 33 15 4A
33 15 4D
SCALE 1:4800
FEET
KILOMETER
CEDAR PARK TERRACES
SIXTH SUB. ADD
CEDAR TERRACES SUB 2ND ADD'N
CEDAR TERRACES SUB. THIRD ADD.
SUB OF LOT 9 CEDAR TERRACE 2ND ADD.
HUBBARDS CREEK RANCHETTE
PARTITION PLAT 1993-09
1-3
2-3
2-1
CEMETERY LOOP
HUBBARD FORK
NORTH FIRS SUBD. ADD.
CANCELLED NO S
202
311
101
300
1800
PARCEL 1
PARCEL 2
PARCEL 3
SEE MAP 33 15 4C
SEE MAP 33 15 3C
RELOC.
RECEIVED
MAY 11 1993

W 1/4 CORNER

CENTER SECTION

N

0 100 200 300 400

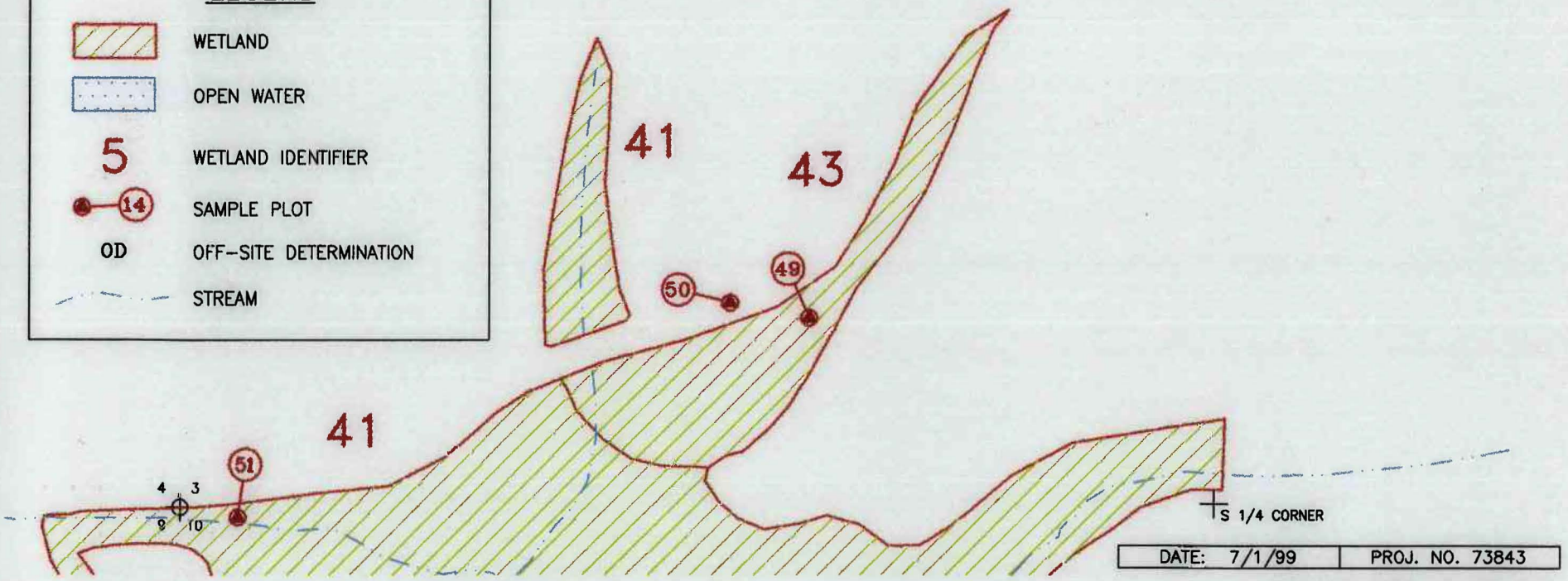
SCALE IN FEET

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

TAX LOT MAP #: 33 15 3C

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM



DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP40.dwg

SW1/4 SEC T.33S. R.15W. W.M.
CURRY COUNTY
1"=200'

33 3C

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.

SCALE 1:4800
400 0 200 FEET
100 0 100 KILOMETER

SEE MAP 33 15 3B

W 1/4 COR.

CEN. SEC.

CANCELLED NO'S
901

500
10.08 AC.

100
6.09 AC.

200
4.95 AC.

400
12.13 AC.

300
4.84 AC.

900
13.75Ac.

1000
12.07 AC.

902
5.50Ac.

800
7.12 Ac.

700
8.87 AC.

703
1.84 AC.

600 607 601 606 602 605 603 604 701 708 709 710 702 712 704 707 705 706

HUBBARD'S FOURTH CREEK ADD

HUBBARD'S CREEK SUBD.

RANCHETTES THIRD ADD.

I-3

GREEN DOLPHIN SEE RIDGE CHINOOK WAY GRADE WHALE WATCH FIR

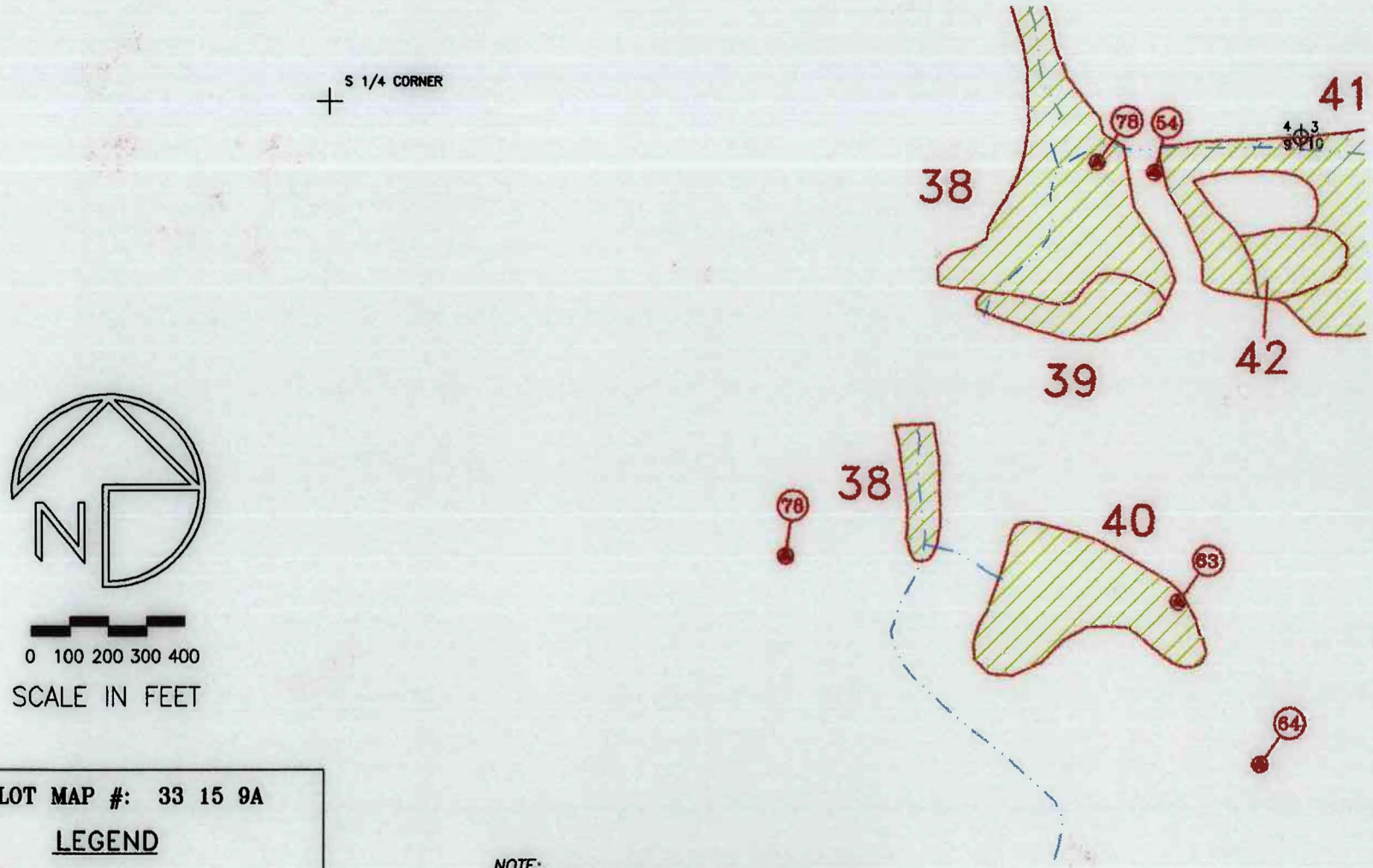
(PRIVATE RD)

SEE MAP 33 15 40

SEE MAP 33 15

S 1/4 COR.

RECEIVED
JAN 21 1993



TAX LOT MAP #: 33 15 9A

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

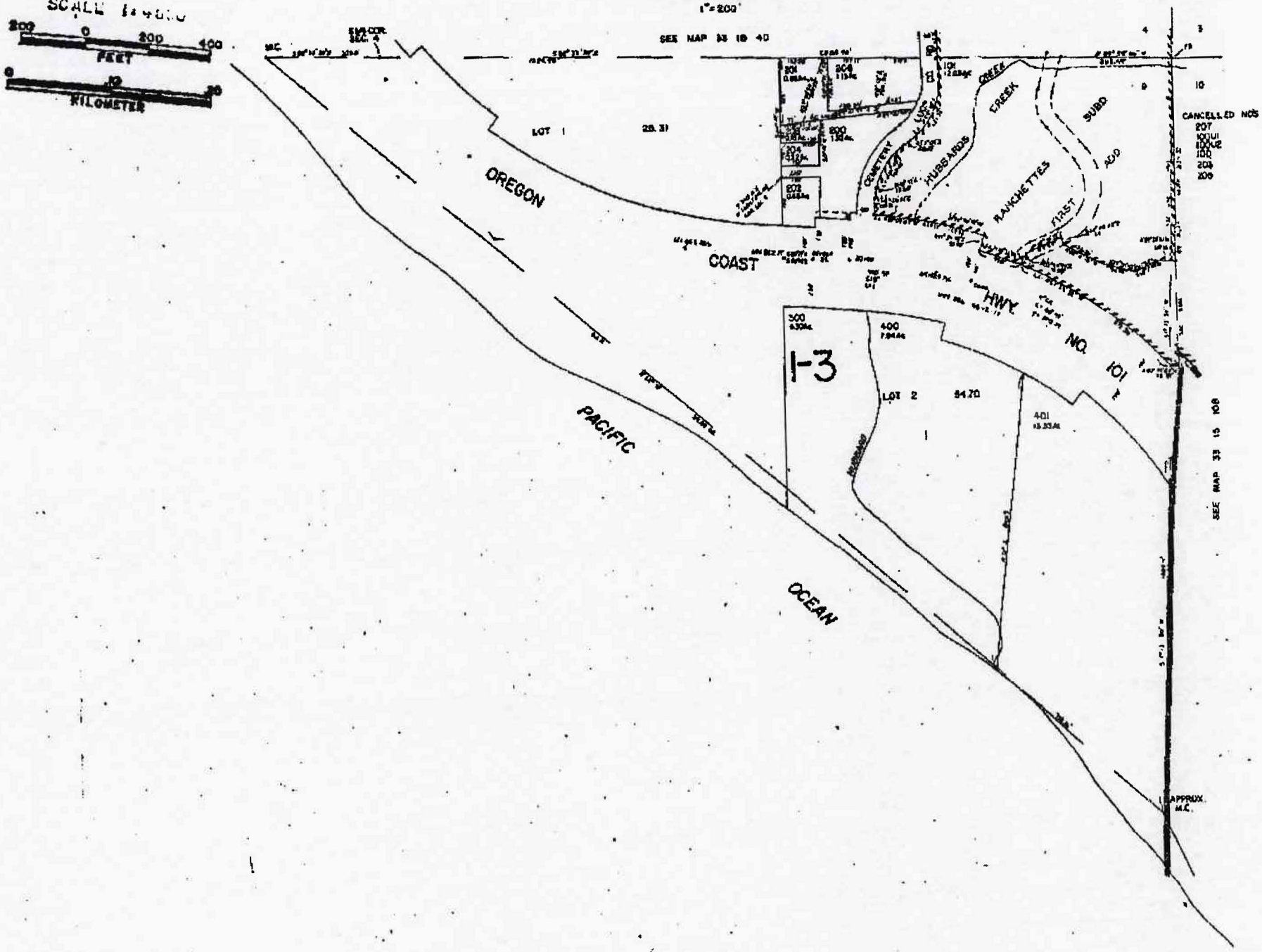
NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP41.dwg

33 15 9A

NE1/4 SEC. 9 T.33S. R.15W. W.M.
CURRY COUNTY
1"=200'



FROM : Warning Bob&Ellen PHONE NO. : 503+332 0735 Mar. 05 1996 11:08AM P3

64

N

0 100 200 300 400

SCALE IN FEET

TAX LOT MAP #: 33 15 10B

LEGEND

- WETLAND
- OPEN WATER
- 5 — WETLAND IDENTIFIER
- 14 — SAMPLE PLOT
- OD — OFF-SITE DETERMINATION
- STREAM

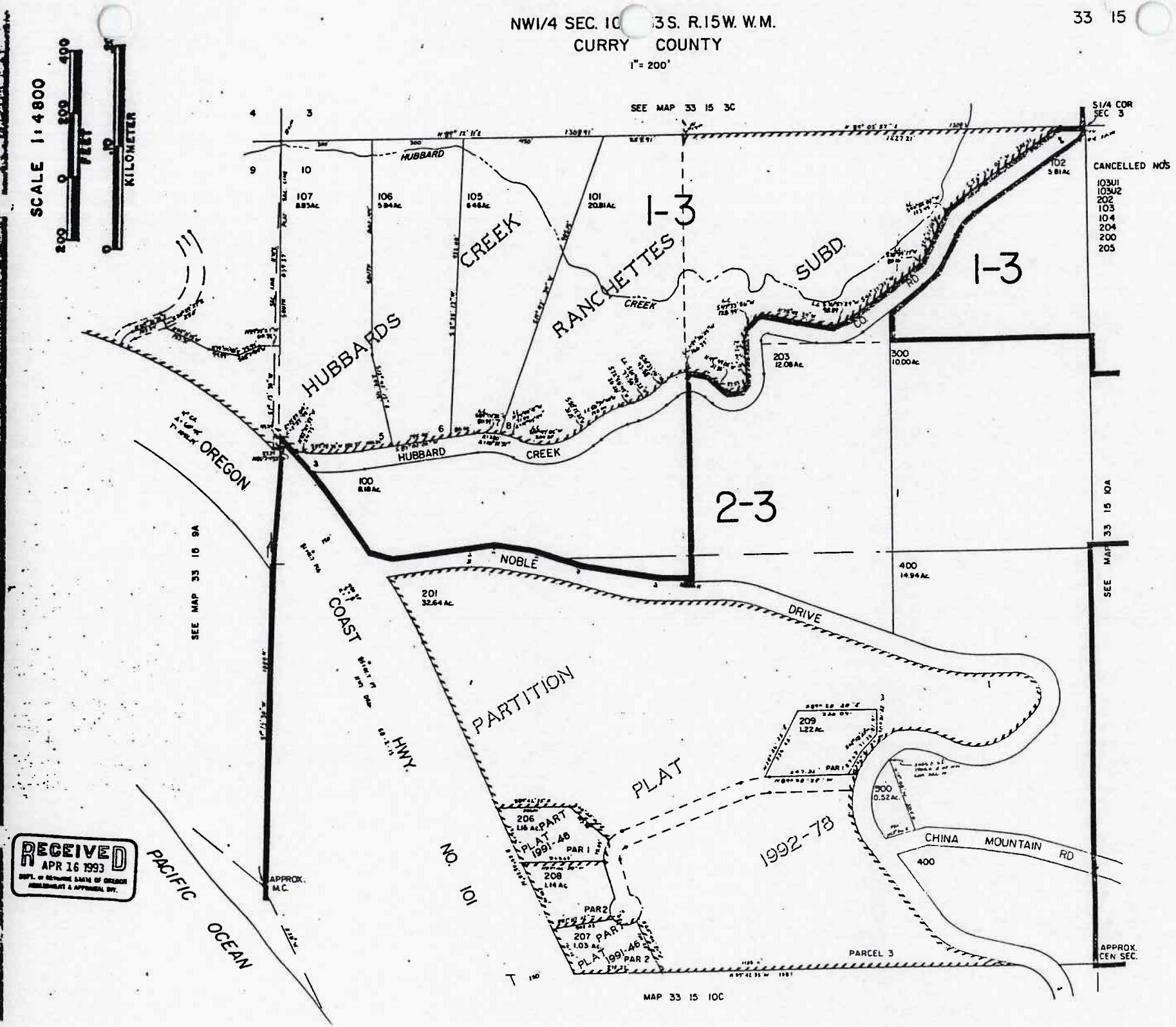
CENTER SECTION

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

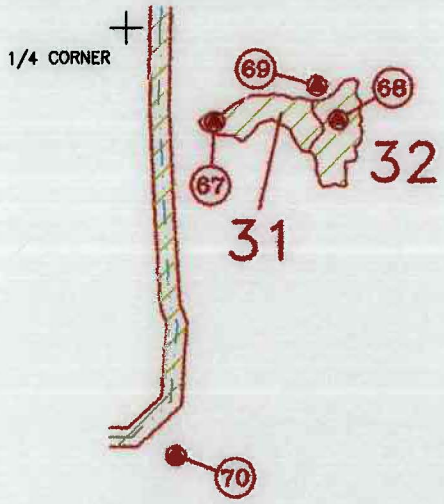
DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP42.dwg

NW1/4 SEC. 10 33 S. R.15W. W.M.
CURRY COUNTY
1"= 200'

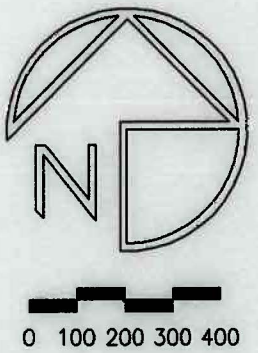


RECEIVED
APR 16 1993
DEPT. OF REVENUE STATE OF OREGON
ASSESSMENT & APPRAISAL DIV.



CENTER SECTION

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.



0 100 200 300 400

SCALE IN FEET

TAX LOT MAP #: 33 15 5C

LEGEND

	WETLAND
	OPEN WATER
5	WETLAND IDENTIFIER
14	SAMPLE PLOT
OD	OFF-SITE DETERMINATION
	STREAM

6 5
7 8

DATE: 7/1/99	PROJ. NO. 73843

\\CAD\PORT ORFORD LWI\TAXMAP44.dwg

. ASSESSMENT PURPOSE ONLY.

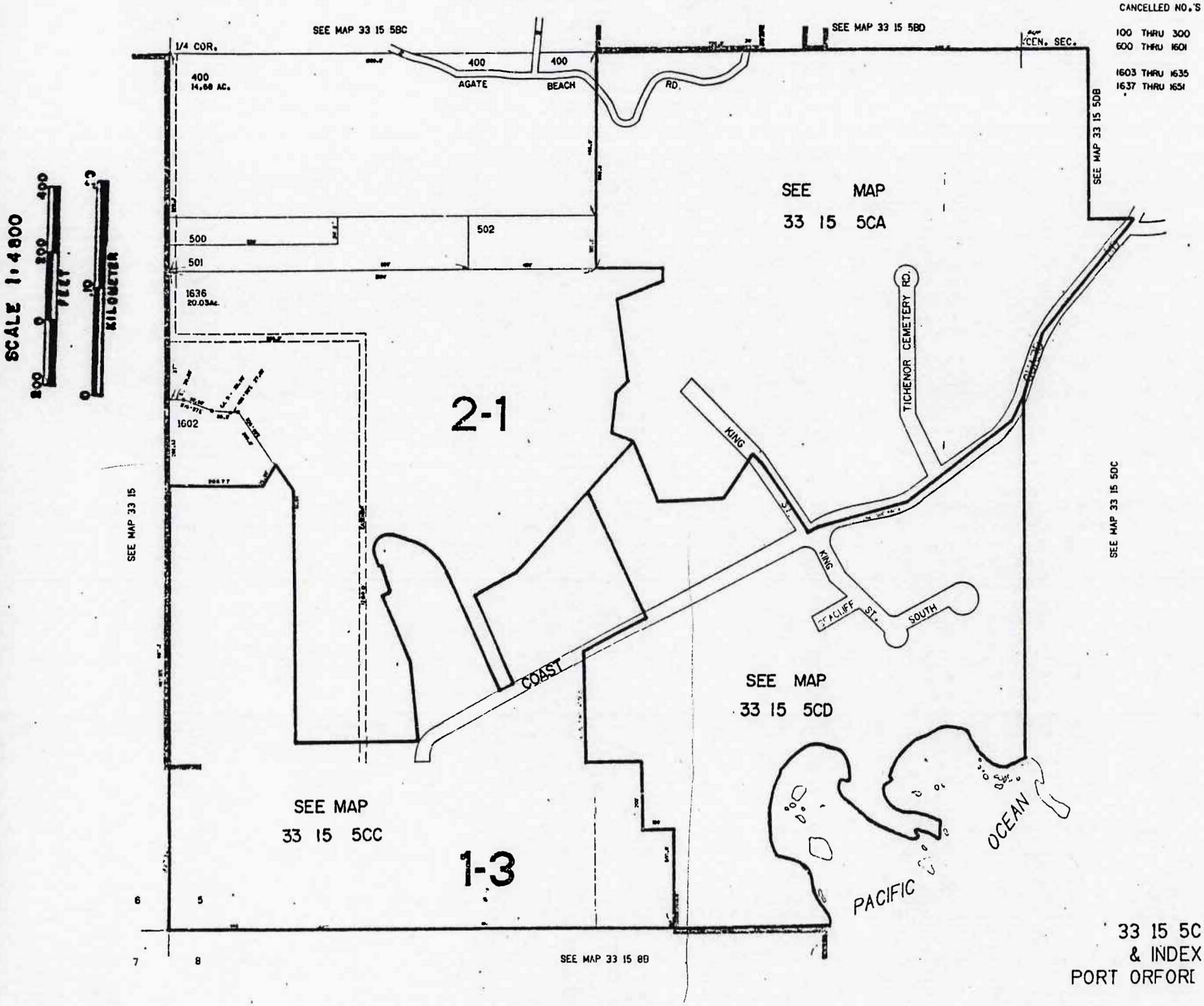
1"=200'

PORT ORFORD

41

CANCELLED NO.'S

100 THRU 300
600 THRU 1601
1603 THRU 1635
1637 THRU 1651



33 15 5C
& INDEX
PORT ORFORD

7

15 31
INDEX

CANCELLED NOS.
200 THRU 401
500 THRU 528

SECTION 31 T.32S. R.15W. W.M.
CURRY COUNTY
1"=400'

OCEAN

PACIFIC

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.

Extra plat maps without wetlands

Save for reference

SCALE 1: 9600

RECEIVED
MAY 2 4 1991

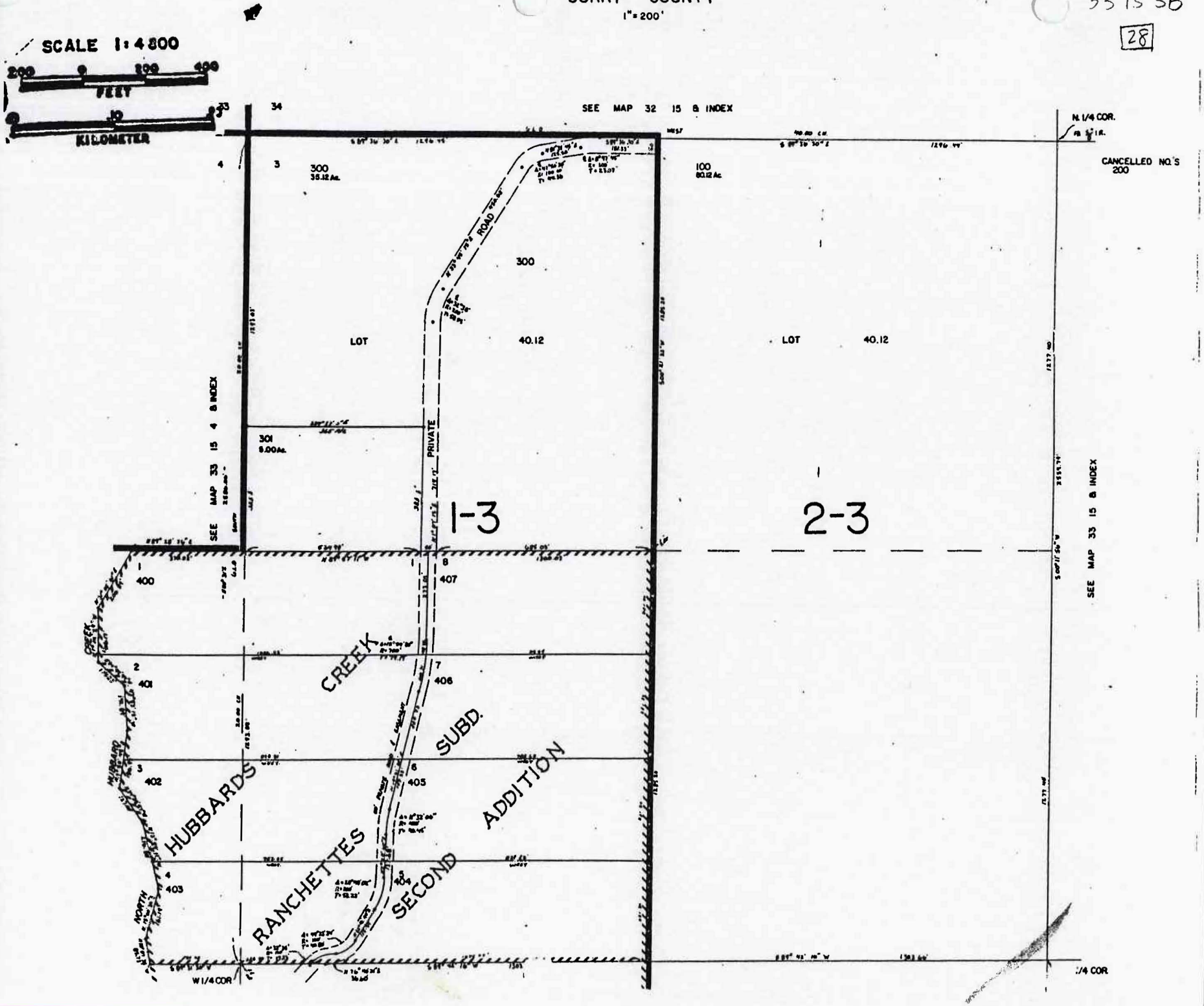
NW1/4 SEC. 3 T.33S. R.15W. ...

CURRY COUNTY

1" = 200'

33 15 3B

28



SE 1/4 SE 1/4 S[illegible] T.33S. R.15W. W.M.
CURRY COUNTY
1" = 100'

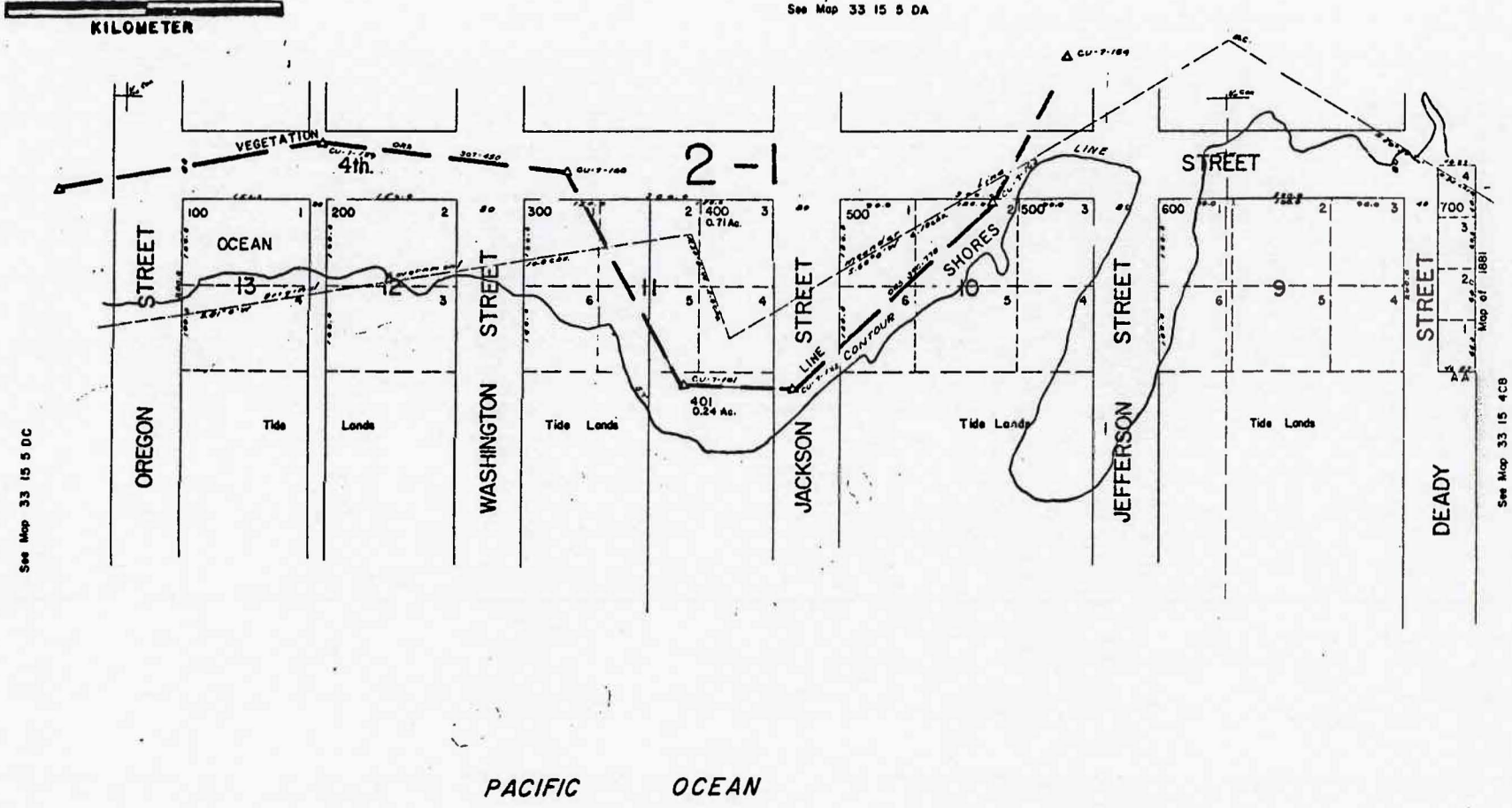
33 15 [illegible] D
PORT ORFORD

36

SCALE 1:2400

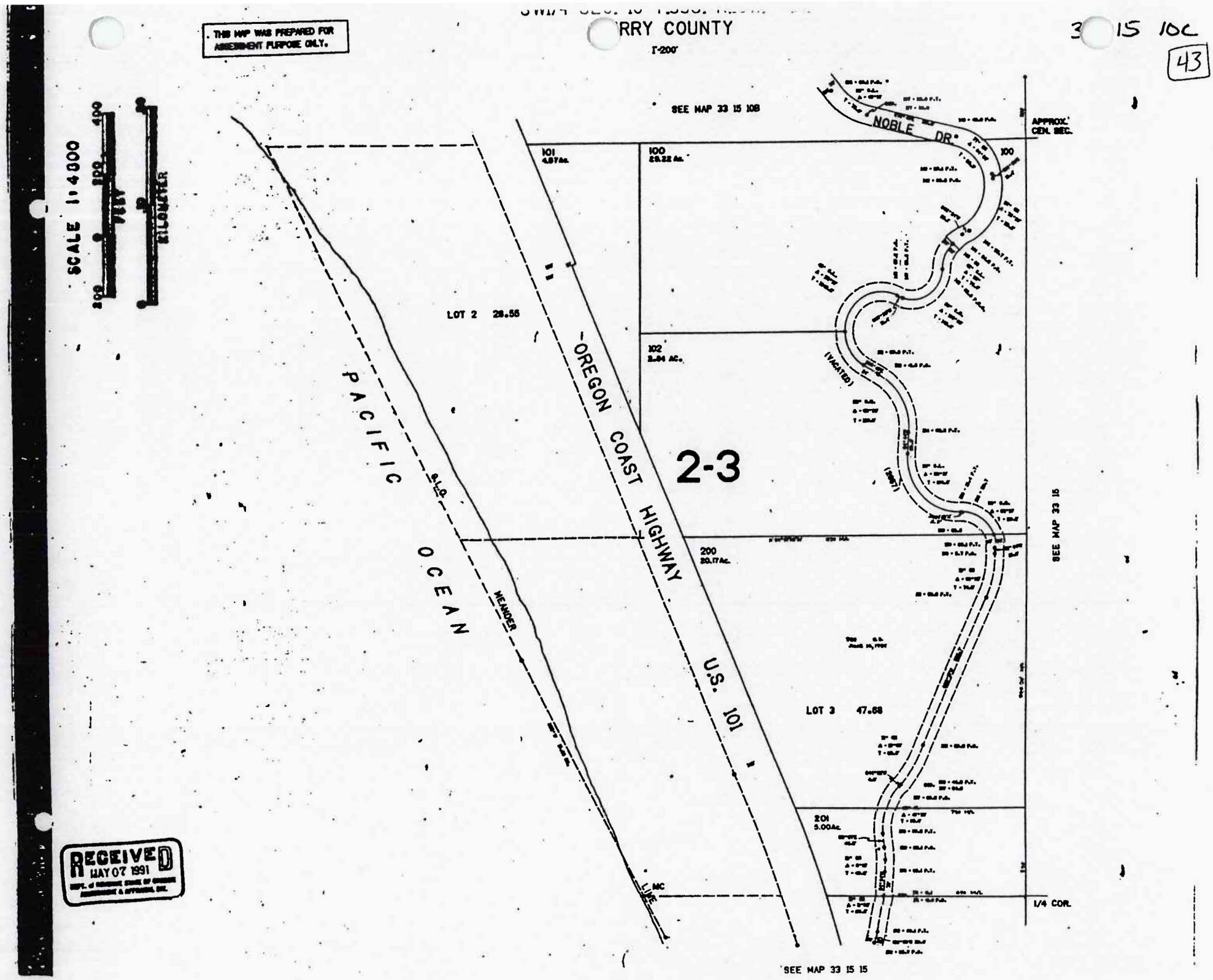
100 0 100 200
FEET

0 .05 .10
KILOMETER



PACIFIC OCEAN

33 15 5DD


THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.
RRY COUNTY
1"=200'
3 15 10C
43
SCALE 1:4000
400
200
0
FEET
100
0
METERS
1
KILOMETER
SEE MAP 33 15 10B
NOBLE DR.
APPROX. CENL SEC.
101
4.87Ac.
100
29.22 Ac.
100
LOT 2 28.55
102
2.84 Ac.
(VACATED)
2-3
200
20.17Ac.
SEE MAP 33 15
PACIFIC OCEAN
M.L.L.W.
MEANDER
OREGON COAST HIGHWAY
U.S. 101
LOT 3 47.68
201
5.00Ac.
MC
LINE
1/4 COR.
SEE MAP 33 15 15
RECEIVED
MAY 07 1991

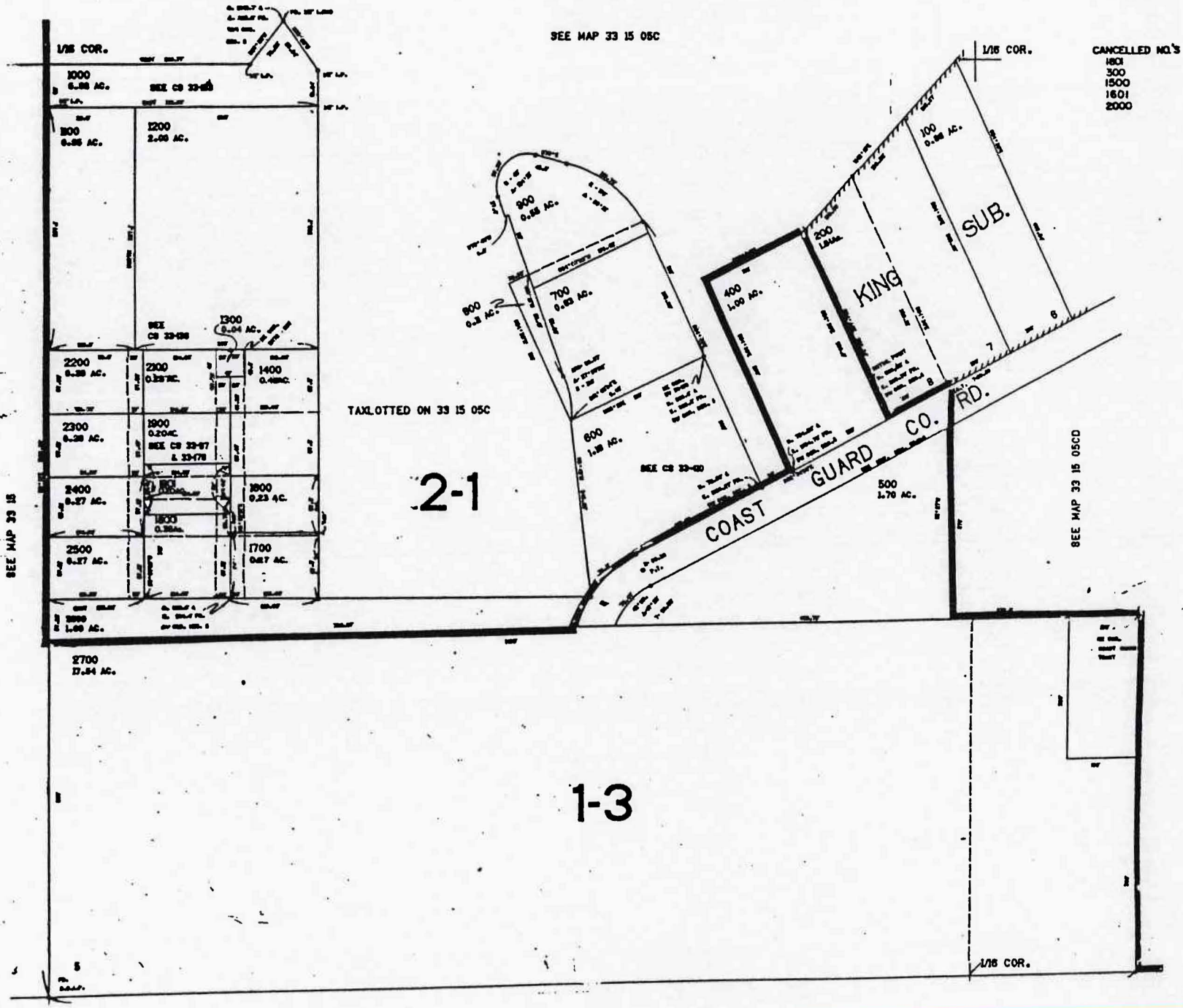
SW1/4 SW1/4 SEC. 05 T.33S. R.15W. W.M.
CURRY COUNTY

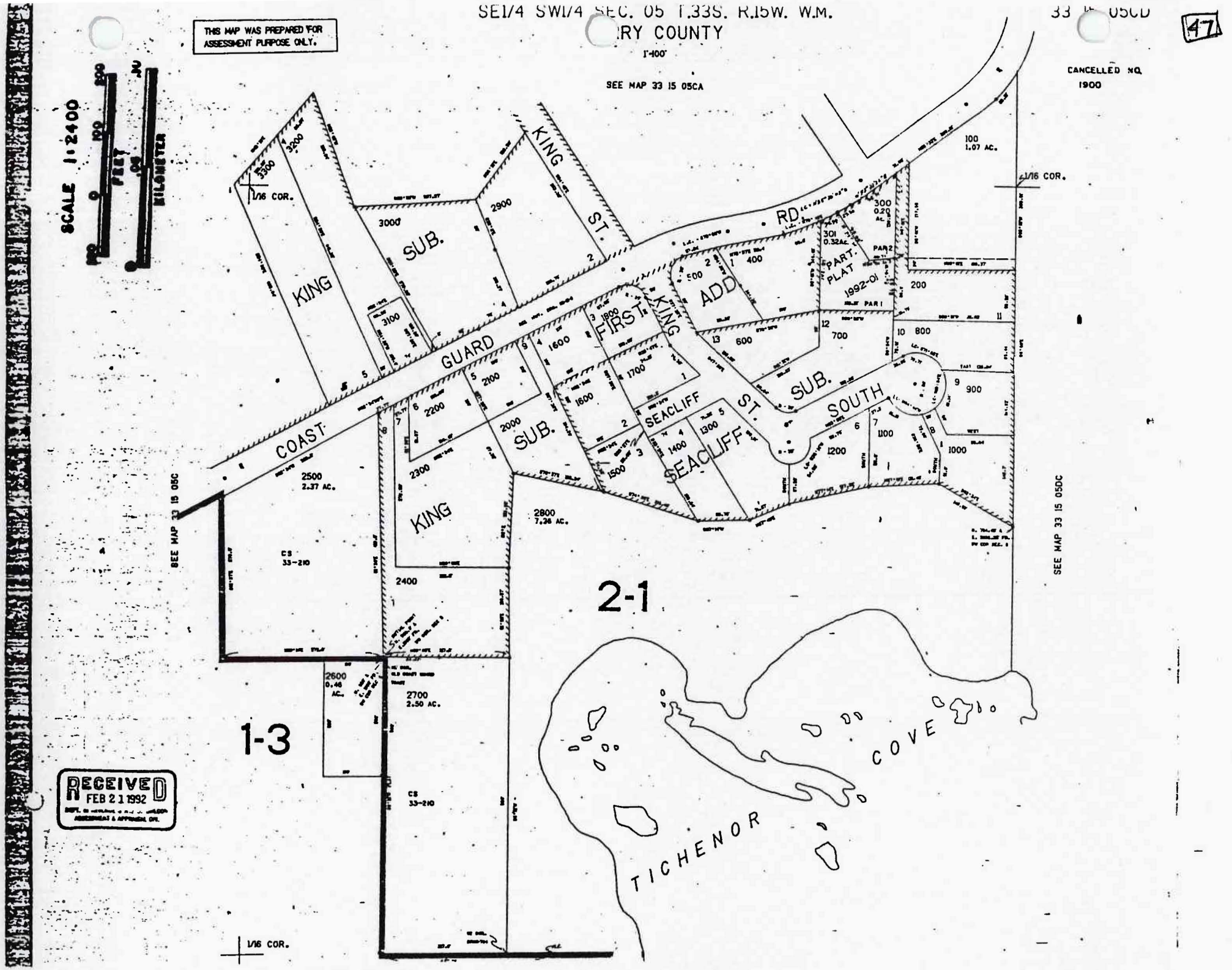
33 15 05CC

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.

1"=400'

SCALE 1:2400



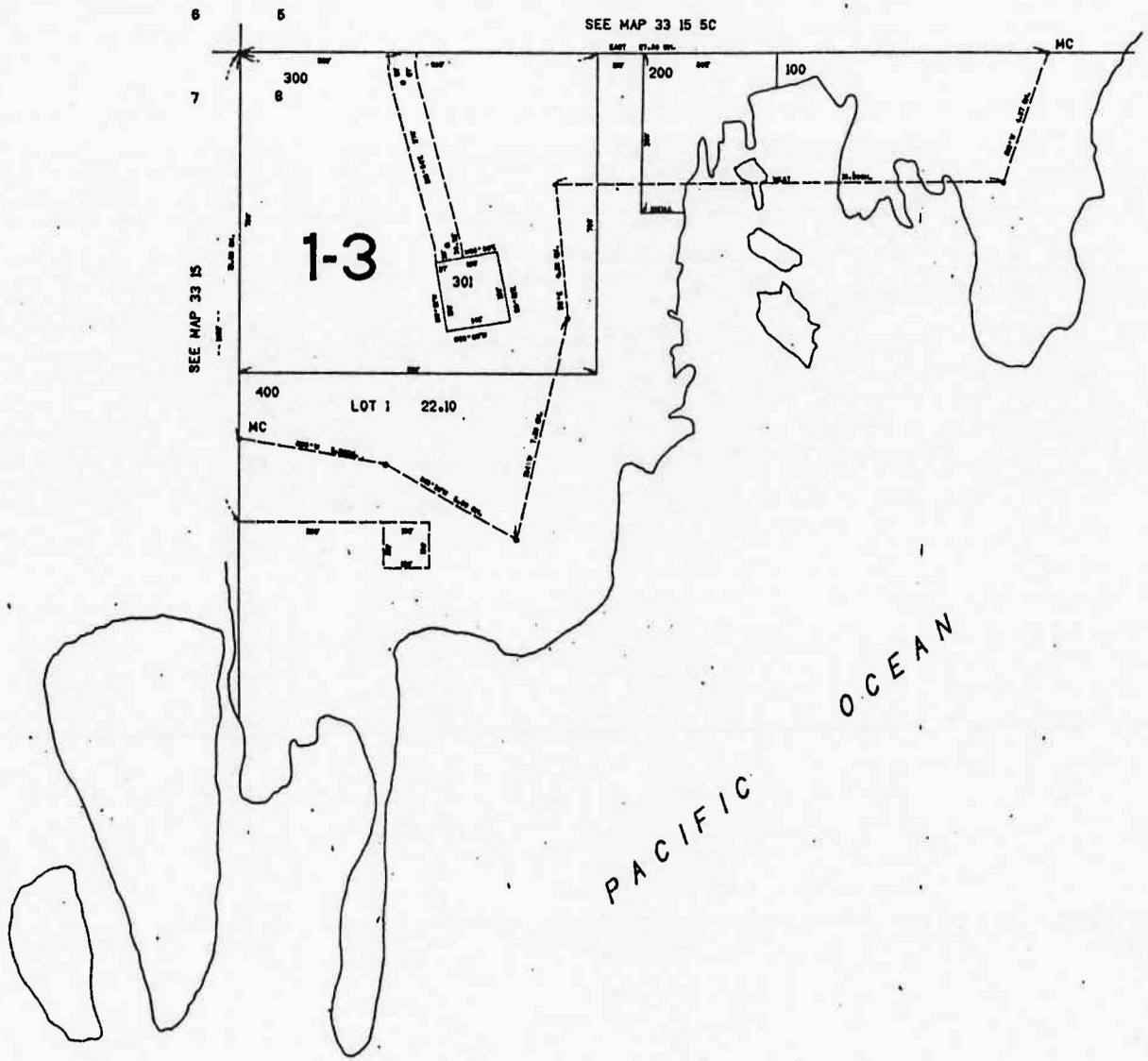

SE1/4 SW1/4 SEC. 05 T.33S. R.15W. W.M.
KING COUNTY
1"=400'
THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.
SCALE 1:2400
FEET
METERS
SEE MAP 33 15 05CA
CANCELLED NO. 1900
1/16 COR.
KING
SUB.
3000
2900
ST.
RD
100
1.07 AC.
300
0.20 AC.
301
0.32Ac.
PAR2
PART. PLAT 1992-01
PAR1
ADD
FIRST
KING
GUARD
COAST
SEACLIFF
SUB.
SOUTH
SEACLIFF ST.
SEE MAP 33 15 05C
SEE MAP 33 15 05DC
2500
2.37 AC.
2800
7.36 AC.
2400
2600
0.46 AC.
2700
2.50 AC.
CS 33-210
2-1
1-3
TICHENOR COVE
RECEIVED
FEB 21 1992
47

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.

NW1/4 S. 8 T.33S. R.15W. W.M.
CURRY COUNTY
1"=200'

15 8B
148

200 0 200 400
FEET
0 .10 .20
DECIMETER



33 15 8B

APPROVED WETLANDS INVENTORY
Oregon Division of State Lands
Meets LWI standards
Date 11/99 Approved by Dawn Field

PACIFIC OCEAN

PACIFIC OCEAN

GARRISON LAKE

Arizona Street
Kreiger Lane
Silver Butte
Avenue
Paradise Point Road
Garrison Lake Road
Lakeshore Drive
Pinehurst Drive
20th St
9th Street
Port Orford Loop Road
Hensley Hill Road
Vista Drive
Old Mill Road
Humbug Way
Cemetery Loop
Fir Road
Coast Guard Hill Road
Hubbard Creek Co. Rd.
Noble Dr
Noble Drive
101

N

0 500 1000 1500
SCALE IN FEET

0 100 200
SCALE IN METERS

LEGEND

- WETLANDS
- OPEN WATER
- 15 WETLAND I.D. NUMBER
- 29 DATA PLOT
- STREAMS
- RIPARIAN SETBACK
- URBAN GROWTH BOUNDARY
- CITY LIMITS

NOTE:
INFORMATION SHOWN ON THIS MAP IS FOR PLANNING PURPOSES ONLY AND ALL WETLAND BOUNDARIES ARE APPROXIMATE. IN ALL CASES, ACTUAL FIELD CONDITIONS DETERMINE WETLAND BOUNDARIES. THERE MAY BE UN-MAPPED WETLANDS SUBJECT TO REGULATION.

Port Orford Local Wetland Inventory

Figure 1. Index Map

\\CAD\P74039\PORT ORFORD BASEMAP.dwg
Beak Consultants, Inc. 10/8/99
Edited by Jim Omlid
beak

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	1
		Data Plot #:	(Off -Site Determination)
LOCATION:	North end of Knapp Road; Northwest quad of city	**LEGAL:**	T.32, R.15, S.29C
WETLAND SIZE:	2.17 ac	**INVENTORY MAP#**	2
CLASSIFICATION:	PFO/EM-MOSAIC	**AFFECTED TAX LOTS:**	298,299
COMMUNITY TYPE:			

VEGETATION: (Determined off-site/aerials)

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Spiraea douglasii*	*Carex obnupta*
Salix sp.		*Juncus effusus*
Pinus contorta		*Deschampsia cespitosa*
Myrica gale		*Sphagnum* sp.

HYDROLOGY:

REGIME: **HYDROLOGIC INDICATORS:** Drainage patterns

REMARKS: Perched water table

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Loeb-Macklyn Complex, 0-5% slopes **SUBGROUP:** Typic haplohumults

PROFILE/DESCRIPTION: Wet spots. May have hydric inclusions.

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Mixed tree and emergent species within the basin. Over story likely Alnus rubra and Salix spp. Basin has broad, flat topography.

COMMENTS: The mapping and assessment for this wetland were performed using methods for an off-site determination (OD). Boundary is vegetation and soil change.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	2

Date of Verification:	7-12-95	**Wetland Code:**	2
		Data Plot #:	(Off-Site Determination)
LOCATION:	North of Paradise Point Rd..; NW quad of study area	**LEGAL:**	T.32, R.15, S.29C
WETLAND SIZE:	1.21 ac	**INVENTORY MAP #:**	2
CLASSIFICATION:	PSS/EM-MOSAIC	**AFFECTED TAX LOTS:**	300,298, 500, 900
COMMUNITY TYPE:			

VEGETATION: (Determined off-site from adjacent areas downstream)

TREES:	SHRUBS:	HERBACEOUS:
	Salix sp.	*Lysichitum americanum*
	Spirea douglasii	*Carex obnupta*

HYDROLOGY:

REGIME: Surface water - variable **HYDROLOGIC INDICATORS:** Drainage patterns

REMARKS:

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Nelscott-Depoe-Bullards, 0-8% slopes **SUBGROUP:** See Appendix C.

PROFILE/DESCRIPTION: Listed hydric soil.

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Palustrine wetland associated with R2 (upper perennial) stream; wetland occurs within narrow stream channel, as indicated on aerial photo.

COMMENTS: The mapping and assessment for this wetland were performed using methods for an off-site determination (OD). Wetland contiguous with WL1 (PFO/EM-MOSAIC) and WL3 PFO/EM-MOSAIC)

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	3
		Data Plot #:	(Off-Site Determination)
LOCATION:	North of Paradise Point Rd.; NW quad of study area	**LEGAL:**	T.32, R.15, S.32B
WETLAND SIZE:	4.35 ac	**INVENTORY MAP #:**	9
CLASSIFICATION:	PFO/EM-MOSAIC	**AFFECTED TAXLOTS:**	300, 301
COMMUNITY TYPE:			

VEGETATION: (Determined from off-site property downstream)

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra		*Carex* sp.
Salix sp.		*Scirpus* sp.

HYDROLOGY:

REGIME: Surface water **HYDROLOGIC INDICATORS:** Drainage patterns

REMARKS:

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Hebo silty clay loam, 0-7% slopes **SUBGROUP:** Typic tropaquepts

PROFILE/DESCRIPTION: Listed hydric soil.

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Palustrine-mosaic wetlands occur along edge of R2 (upper perennial) stream within 100 feet; channel more defined in this section of the stream.

COMMENTS: The mapping and assessment for this wetland were performed using methods for an off-site determination (OD). Observation of wetland from paradise Point Road to the south. Wetland contiguous with WL2 (PSS/EM) and WL4 (PSS)

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	4
		Data Plot #:	3, 4
LOCATION:	Directly north of Paradise Point Rd.. and north of Garrison Lake	**LEGAL:**	T.33S, R.15W, S.32B
WETLAND SIZE:	5.71 ac	**INVENTORY MAP #:**	8, 9
CLASSIFICATION:	PFO/PSS	**AFFECTED TAXLOTS:**	100, 300, 301

COMMUNITY TYPE: *Rhododendron occidentalis -Vaccinium ovatum*

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Pinus contorta	*Vaccinium ovatum*	
Alnus rubra	*Spirea douglasii*	
	Rhododendron occidentalis	

HYDROLOGY:

REGIME: Surface water variable between 1 - 2'

HYDROLOGIC INDICATORS: Inundation, drainage patterns

REMARKS: Connected through culvert to Garrison Lake under Paradise Point Road

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Hebo silty clay loam

SUBGROUP: Typic tropaquepts

PROFILE/DESCRIPTION: Listed hydric soil.

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Wetland occurs along edge of riverine upper perennial (R2) system adjacent to OW retained by Paradise Point Rd.. Clear break between stream floodplain and upland. Forested community in surrounding upland.

COMMENTS: Contiguous with WL3 (PFO/EM - MOSAIC) to the north.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	5
		Data Plot #:	12, 13, 14, 15
LOCATION:	Northwest of Silver Butte Ave and Highway 101	**LEGAL:**	T.32S, R.15W, S.29D; 29DA
WETLAND SIZE:	7.06 ac	**INVENTORY MAP #:**	3, 4
CLASSIFICATION:	PEM	**AFFECTED TAX LOTS:**	1501, 1400,648,630,610,623,614,600,613, 200,300,100

COMMUNITY TYPE: *Lysichitum americanum - Scirpus microcarpus*

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
	Alnus rubra	*Lysichitum americanum*
	Lonicera involucra	*Scirpus microcarpus*
		Carex obnupta
		Eleocharis palustris

HYDROLOGY:

REGIME: Surface water 12"

HYDROLOGIC INDICATORS: Inundation, saturation in upper 12", etc.

REMARKS: Mill Creek headwaters

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Hebo silty clay loam

SUBGROUP: Typic tropaquepts

PROFILE/DESCRIPTION: 9-12" sand, sand w/high organic content

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Palustrine wetland along stream system within narrow floodplain; Culvert crossing under Silver Butte Ave where road retains surface water flow.

COMMENTS: Connected to WL6 by culvert. Visible from Silver Butte Rd.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	6
		Data Plot #:	(Off-site Determination)
LOCATION:	Southeast of Silver Butte Ave., West of Myrtle Lane	**LEGAL:**	T.32S, R.15W, S.29D
WETLAND SIZE:	3.39 (ac)	**INVENTORY MAP #:**	3
CLASSIFICATION:	PFO	**AFFECTED TAX LOTS:**	628,606, 607,608,624,611,618,638,603,637, 643,639,641
COMMUNITY TYPE:	*Alnus rubra - Carex obnupta*		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra		*Anthyrium felix-femina*
		Carex obnupta
		Lysichitum americanum
		Scirpus microcarpus
		Eleocharis palustris

HYDROLOGY:

REGIME: Surface water 6-18" **HYDROLOGIC INDICATORS:** Inundation, sediment deposits, etc.

REMARKS: Headwaters of Mill Creek.

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Hebo silty clay loam **SUBGROUP**: Typic tropaquepts

PROFILE/DESCRIPTION: Low chroma silty clay loam with mottles

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Palustrine wetland fringe along narrow riverine floodplain. Inflow controlled by culvert under Silver Butte Ave.

COMMENTS: Contiguous with WL7 (PEM) and culvert connection to WL5 (PEM).

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	7
		Data Plot #:	16, 17
LOCATION:	West side of Highway 101 at north Mill Creek crossing	**LEGAL:**	T.32S, R.15W, S.29D
		INVENTORY	
WETLAND SIZE:	0.49 ac	**MAP #:**	3
CLASSIFICATION:	PEM	**AFFECTED TAXLOTS:**	639, 641
COMMUNITY TYPE:	*Carex obnupta* with small *Alnus rubra* sampling component		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
	Alnus rubra	*Carex obnupta*
		Lysichitum americanum

HYDROLOGY:

REGIME: Surface water 16"

HYDROLOGIC INDICATORS: Inundation, saturated in upper 12", etc.

REMARKS: North reach of Mill Creek - headwaters

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Hebo silty clay loam

SUBGROUP: Typic tropaquepts

PROFILE/DESCRIPTION: 0-9" sand, silt, 30% organics

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Palustrine wetland within steep channelized banks of creek. Open water retained by Highway 101; culvert connection to Mill Creek.

COMMENTS: Wetland visible from Highway 101; contiguous with WL 6 and WL8 beneath Hwy. 101 (PFO).

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	8
		Data Plot #:	18, 19, 77
LOCATION:	Central Port Orford also East side of Highway 101 - between Garrison Lake and highway	**LEGAL:**	T.32S, R.15W, S.32A; 32DA; 32DB; 32DC
WETLAND SIZE:	34.06 ac	**INVENTORY MAP #:**	10, 14, 15, 17
CLASSIFICATION:	PEM	**AFFECTED TAXLOTS:**	See comments.

COMMUNITY TYPE: *Phragmites communis - Carex obnupta*

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Spirea douglasii*	*Carex obnupta*
		Phragmites communis
		Lysichitum americanus
		Nuphar polysepalum

HYDROLOGY:

REGIME: Surface water 18" **HYDROLOGIC INDICATORS**: Inundation, water marks, etc.

REMARKS: Mill Creek inflow into Garrison Lake. Southeast elbow of WL8 is connected to WL15, which flows into Mill Creek via culverts.

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Hebo silty clay loam **SUBGROUP**: Typic tropaquepts

PROFILE/DESCRIPTION: 0-9" - sand, silt, 25% organics

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Large broad basin associated with Mill Creek. Banks steep and well defined; wetland boundary delineated from aerials. Bridge crossing at Highway 101 and contiguous with Garrison Lake to the west.

COMMENTS: Affected Taxlots: 100, 600, 601, 602, 603, 604, 605, 900, 800, 1101, 1200, 1300, 1301, 1400, 1501, 1600, 2000, 2100, 2200, 2300, 2700,

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	9
		Data Plot #:	6, 7
LOCATION:	North of Paradise Point Road at Arizona Street	**LEGAL:**	T.32S, R.15W, S.32B
WETLAND SIZE:	1.89 ac	**INVENTORY MAP#:**	9
CLASSIFICATION:	PEM/PFO	**AFFECTED TAXLOTS:**	801, 900, 1000

COMMUNITY TYPE: *Nuphar polysepalum-Vaccinium ovatum* upland community

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Vaccinium ovatum*	*Potamogeton sp. (natans?)*
	Salix sp.	*Nuphar polysepalum*
	Rhamnus pershiana	*Lysichitum americanum*
		Cicuta douglasii

HYDROLOGY:

REGIME: Surface water >3' **HYDROLOGIC INDICATORS**: Inundation, water marks, etc.

REMARKS: Drainage flows under roadway; hydrology is contained within the channel; culvert connection to WL10.

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Hebo silty clay loam **SUBGROUP**: Typic tropaquepts

PROFILE/DESCRIPTION: Sediment, sand, rock

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Palustrine wetland associated with stream channel - along edges of narrow drainage. Open water retained by Paradise Point Road.

COMMENTS: Culvert connection to WL 10 (PEM) downstream to the south.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	10
		Data Plot #:	8, 9
LOCATION:	North end of Garrison Lake	**LEGAL:**	T.32S, R.15W, S.32C
WETLAND SIZE:	5.51 ac	**INVENTORY MAP #:**	13
CLASSIFICATION:	PSS	**AFFECTED TAXLOTS:**	See comments.

COMMUNITY TYPE: *Alnus rubra - Lysichitum americanum*

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
	Alnus rubra	*Lysichitum americanum*
	Rhamnus purshiana	*Athyrium filix-femina*

HYDROLOGY:

REGIME: Surface water 5-10" **HYDROLOGIC INDICATORS**:

REMARKS: Hydrology contained within channel. Channel defined by topography.

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Nelscott-Depoe-Bullards Complex **SUBGROUP:** See Appendix C.

PROFILE/DESCRIPTION: Sediment: sand, cobbles - Depoe is a mapped hydric soil.

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Tributary to Garrison Lake. Palustrine shrub community along the stream channel and several segments within narrow drainages feed into north end of lake. All segments contiguous with lake.

COMMENTS: Contiguous with WL 14 (L1OW). West arm of WL10 was not field-verified. Mapping prepared by aerial interpretation of edge of lake during early months of growing season. Affected taxlots: 100, 701, 702, 801, 900, 2600, 2602, 2700, 2900, 3000, 3100.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	11
		Data Plot #:	42, 43
LOCATION:	East of Highway 101 along Hensley Hill Road	**LEGAL:**	T.32, R.15, S.32DA
WETLAND SIZE:	5.09 ac	**INVENTORY MAP #:**	15
CLASSIFICATION:	PSS	**AFFECTED TAXLOTS:**	200, 300, 500, 600, 700, 701, 2700, 100

COMMUNITY TYPE: *Carex obnupta* emergent with narrow shrub/small tree fringe along wetland edge.

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Salix sp.	*Lonicera involucrata*	*Carex obnupta*
	Rubus discolor	*Lysichitum americanum*
	Salix sp.	

HYDROLOGY:

REGIME: Surface water 18"-24"

HYDROLOGIC INDICATORS: Inundation, sediment deposits, etc.

REMARKS: Determined off-site - drainage 120' wide.

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Hebo silty clay loam

SUBGROUP: Typic tropaquepts

PROFILE/DESCRIPTION: Dark, silt, organics; mapped as hydric

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Palustrine emergent associated with small lacustrine basin. Wetland bisected by Hensley Hill Road. Wetland boundaries formed by roadways and steep topography.

COMMENTS: Visible from Hensley Hill road. Contiguous with WL15 (PSS) via culverts under 25th St. North end is altered by excavation.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	12
		Data Plot #:	44
LOCATION:	Northwest of Hensley Hill Road	**LEGAL:**	T.32, R.15, S.33CB
WETLAND SIZE:	0.36 ac	**INVENTORY MAP #:**	16, 19
CLASSIFICATION:	PFO	**AFFECTED TAXLOTS:**	3400
COMMUNITY TYPE:	*Salix* spp. - *Alnus rubra*		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Salix scouleriana		*Carex obnupta*
Alnus rubra		

HYDROLOGY:

REGIME: Surface water 0" **HYDROLOGIC INDICATORS**: Drainage patterns

REMARKS: Unknown hydrology - no access

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Bullards-Bandon-Wadecreek Complex **SUBGROUP**: See Appendix C.

PROFILE/DESCRIPTION: No data taken - Hydric soil component - Hebo soil inclusions

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Seepage from the slope above runs in narrow, shallow ravines north of Hensley Hill Rd. It is assumed that these small channels drain to WL11.

COMMENTS: Mapping of wetland prepared with aerials and field measurements.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	13
		Data Plot #:	74, 75
LOCATION:	South of Hensley Road; small perennial stream in deep, narrow canyon	**LEGAL:**	T.32S, R.15W S.33C
WETLAND SIZE:	0.13 ac	**INVENTORY MAP #:**	15, 16, 19
CLASSIFICATION:	PFO	**AFFECTED TAXLOTS:**	100, 500, 2700
COMMUNITY TYPE:	*Lysichtum americanum-Salix* sp.		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Salix* sp.	*Lysichtum americanum*
Thuja plicata	*Rubus spectabilis*	*Anthyrium felix-femina*

HYDROLOGY:

REGIME: Surface water **HYDROLOGIC INDICATORS**:. Inundation, drainage patterns

REMARKS:

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Bullards-Bandon-Wadecreek Complex **SUBGROUP**: See Appendix C.

PROFILE/DESCRIPTION:

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Stream flowing through a very incised ravine with 5' strip of riparian/wetland area. Flows into WL 11.

COMMENTS:

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	14
		Data Plot #:	1,2,10,11
LOCATION:	Central - west section of Port Orford	**LEGAL:**	T.32S, R.15W, S.31D, 32C; T.33S, R.15W, S.5BA, 5BC
WETLAND SIZE:	5.76 ac	**INVENTORY MAP #:**	12, 13, 21, 22, 29
CLASSIFICATION:	PSS/PEM	**AFFECTED TAXLOTS:**	See comments

COMMUNITY TYPE: *Typha latifolia - Scirpus acutus - Nuphar polysepalum*

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
	Salix sp.	*Typha latifolia*
	Lonicera involucrata	*Nuphar polysepalum*
	Spirea douglasii	*Carex obnupta*
	Rubus discolor	*Scirpus acutus*

HYDROLOGY:

REGIME: Surface water 15" **HYDROLOGIC INDICATORS**: Inundation, drift lines, etc.

REMARKS: Wetland fringe along Garrison Lake

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Lake **SUBGROUP:**

PROFILE/DESCRIPTION:

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Forms drainage basin for most of wetlands in west Port Orford. Outflow on southwestern corner of lake to the Pacific Ocean. Boundary is formed where the lacustrine emergent and open water communities are adjacent to either the bank of the lake or along a wetland of a different class (i.e., WL 10). WL 14 classification includes L10W and L2EM.

COMMENTS: WL 14 is also contiguous with WL 8, 10, 27, 33, and 30; however, the hydrology and vegetation is sufficiently different to separate for assessment purposes. AFFECTED TAXLOTS: All lakeshore properties.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	15
		Data Plot #:	45, 46
LOCATION:	South of 25th Street, north of Vista Drive	**LEGAL:**	T.32, R.15, S.32DA, 32DD, 33C; 3315 4B
WETLAND SIZE:	3.58 ac	**INVENTORY MAP #:**	15, 18, 19, 25
CLASSIFICATION:	PSS	**AFFECTED TAXLOTS:**	2300, 2400, 2500, 202, 201, 200, 2112, 102
COMMUNITY TYPE:	*Carex obnupta - Potamogeton* sp.		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
	Acer circinatum	*Carex obnupta*
	Vaccinium ovatum	*Potamogeton* sp.
	Gaultheria shallon	*Lysichitum americanum*
		Typha latifolia

HYDROLOGY:

REGIME: Surface water 24" **HYDROLOGIC INDICATORS**: Inundation, water marks, etc.

REMARKS: Open water on South/North sides of 25th Ave.

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Hebo silty clay loam **SUBGROUP**: Typic tropaquepts

PROFILE/DESCRIPTION: 0-6" muck, silt, organics; presumed soil conditions from off site determination

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: North wetland boundary formed by 25th St. Remainder of palustrine wetland exists along stream drainage with steep banks south of 25th Street and north of Vista Drive. At data locations open water/emergent are persistent and the shrub/tree component is dead.

COMMENTS: Contiguous with WL 17 (south). View from 25th Street. Connects via culverts under Jackson St. and Loop Rd. to WL8 and to WL11 via culvert under 25th St.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	16
		Data Plot #:	74, 75
LOCATION:	East of 25th Street and Deedy Street	**LEGAL:**	T.32, R.15, S.33C
WETLAND SIZE:	3.16 ac	**INVENTORY MAP #:**	19
CLASSIFICATION:	PFO	**AFFECTED TAXLOTS:**	2101, 2112, 2107, 2400, 2300

COMMUNITY TYPE: *Alnus rubra (Pseudotsuga menziesii* forest surrounding)

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Cytisus scoparius*	*Lysichitum americanum*
Pseudotsuga menziesii	*Rubus spectabilis*	*Athyrium filix-femina*
	Salix sp.	*Scirpus microcarpus*

HYDROLOGY:

REGIME: Surface water 2-3" **HYDROLOGIC INDICATORS**: Inundation, drainage patterns in wetlands

REMARKS: Stream corridor 20 - 30' wide - headwaters of Garrison Lake basin.

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Bullards-Bandon-Wadecreek Complex **SUBGROUP**: See Appendix C.

PROFILE/DESCRIPTION: 8-12" sand and organics

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Seasonally inundated stream (R2) system - Palustrine forested edge within steep banked stream channel.

COMMENTS: View from 23rd/Deedy.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	17
		Data Plot #:	47, 48
LOCATION:	East of 18th Street and Deedy St.	**LEGAL:**	T.32, R.15, S.33C
WETLAND SIZE:	0.83 ac	**INVENTORY MAP #:**	19
CLASSIFICATION:	PSS	**AFFECTED TAXLOTS:**	1800
COMMUNITY TYPE:	*Alnus rubra - Lysichitum americanum*		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Rubus spectabilus*	*Lysichitum americanum*
		Scirpus microcarpus
		Athyrium filix-femina

HYDROLOGY:

REGIME: Surface water 2-3" **HYDROLOGIC INDICATORS**: Inundation, saturation, etc.

REMARKS: Wetland confined to broad basin 50-100' wide. Entire basin saturated, with 2' wide braided channels throughout.

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Bullards-Bandon-Wadecreek Complex **SUBGROUP**: See Appendix C.

PROFILE/DESCRIPTION: 7-12" sand and organics

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Palustrine wetland associated with R2 stream. Wetland boundaries within broad basin defined by steep canyon sides. Shrub component/overlaying emergent, tree component outside of basin.

COMMENTS: View from 20th (south); access from the north side of wetland. Contiguous with WL 15, 16.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	18
		Data Plot #:	56, 57
LOCATION:	East of Vista Drive	**LEGAL:**	T.33, R.15, S.04A; 3215 33D
WETLAND SIZE:	3.62 ac	**INVENTORY MAP #:**	20, 27
CLASSIFICATION:	PFO	**AFFECTED TAXLOTS:**	100, 1300
COMMUNITY TYPE:	*Alnus rubra - Lysichitum americanum - Scirpus microcarpus*		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Pseudotsuga menziesii(upland)	*Sambucus cerulea*	*Lysichitum americanum*
Alnus rubra	*Rubus parviflorus*	*Scirpus microcarpus*

HYDROLOGY:

REGIME: Surface water 8-12" **HYDROLOGIC INDICATORS**: Inundation, saturated upper 12"

REMARKS: Pit - 2' off of main channel; stream headwaters of Hubbard Creek.

HYDROLOGIC BASIN: Hubbard Creek

SOIL:

SERIES: Millicoma-Whaleshead-Reedsport Complex **SUBGROUP**: Andic humitropepts

PROFILE/DESCRIPTION: 0-9" sand and silt

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Palustrine wetland within bench - 20' either side of upper perennial (R3) stream channel.

COMMENTS: Contiguous with WL 19 (PFO);

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	19
		Data Plot #:	55
LOCATION:	East of Vista Drive - Hubbard Creek Reservoir	**LEGAL:**	T.33, R.15, S.04A
WETLAND SIZE:	0.35 ac	**INVENTORY MAP #:**	27
CLASSIFICATION:	PFO	**AFFECTED TAXLOTS:**	100, 1907
COMMUNITY TYPE:	*Alnus rubra* (fringe wetlands along open water)		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Holodiscus discolor*	*Polystichum munitum*
Pseudotsuga menziesii	*Sambucus cerulea*	*Athyrium filix-femina*

HYDROLOGY:

REGIME: Surface water 18" **HYDROLOGIC INDICATORS**: Drainage patterns

REMARKS: Hubbard Creek Reservoir created by dam on Hubbard Creek to the north.

HYDROLOGIC BASIN: Hubbard Creek

SOIL:

SERIES: Millicoma-Whaleshead-Reedsport Complex **SUBGROUP**: Andic humitropepts

PROFILE/DESCRIPTION: cobbles and rock

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Palustrine forested wetland defined by steep banks; wetland bench within 25' of edge of open water. Out flow of open water controlled by weir and pump for water supply. Fringe wetlands along Hubbard Creek Reservoir.

COMMENTS: Primary water source for Port Orford. Sedimentation from western branch of stream inflow.

WETLAND SUMMARY SHEET

Date of Verification:	4-13-99	**Wetland Code:**	20
		Data Plot #:	(Off-site Determination)
LOCATION:	South of 7th Avenue, near Idaho Street	**LEGAL:**	T.33, R.15, S.05BC
WETLAND SIZE:	0.59 ac	**INVENTORY MAP #:**	33
CLASSIFICATION:	PSS/PEM	**AFFECTED TAXLOTS:**	1700,1800, 2101,2200
COMMUNITY TYPE:			

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Salix* sp.	*Lysichitum americanum*
		Carex obnupta
		Nuphar polysepalum

HYDROLOGY:

REGIME: Surface water 4-7" **HYDROLOGIC INDICATORS**: Inundation, drainage patterns

REMARKS:

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Bullards-Bandon-Wadecreek Complex **SUBGROUP**: See Appendix C.

PROFILE/DESCRIPTION:

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Appears to be a seep coming out of the slope and flowing north. A ponded area occurs adjacent to 7th Avenue, where water enters a culvert, extends a few hundred feet, and apparently ends.

COMMENTS:

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	21
		Data Plot #:	25
LOCATION:	South of Lakeshore Drive - North of City Park	**LEGAL:**	T.33S, R.15W, S.05BA
WETLAND SIZE:	1.68 ac	**INVENTORY MAP #:**	22
CLASSIFICATION:	PEM	**AFFECTED TAX LOTS:**	700

COMMUNITY TYPE: *Nuphar polysepalum - Scirpus acutus*

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
	Spirea douglasii	*Phragmites communis*
		Scirpus acutus
		Carex obnupta
		Nuphar polysepalum

HYDROLOGY:

REGIME: Surface water 2-3" **HYDROLOGIC INDICATORS:** Inundation, saturated in upper 12".

REMARKS:

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Hebo silty slay loam **SUBGROUP:** Typic tropaquepts

PROFILE/DESCRIPTION: Soil data not taken due to open water and obvious boundary.

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: North wetland edge formed by Lake Shore Drive; South edge along PFO wetland within City Park, East/West wetland boundaries - private residences/steep topography to upland.

COMMENTS: View from Lake Shore Drive. Connected to lakeshore wetland via culvert.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	22
		Data Plot #:	23, 24
LOCATION:	South of Lake Shore Drive - City Park Natural Area	**LEGAL:**	T.33S, R.15W, S05BA
WETLAND SIZE:	0.70 ac	**INVENTORY MAP #:**	22
CLASSIFICATION:	PFO	**AFFECTED TAXLOTS:**	100, 700
COMMUNITY TYPE:	*Salix lasiandra - Carex obnupta*		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Salix lasiandra		*Lysichitum americanum*
		Carex obnupta

HYDROLOGY:

REGIME: Surface water 0"

HYDROLOGIC INDICATORS: Saturated in upper 12", water marks.

REMARKS: Narrow drainage - one of several fingers on south end of PEM wetland

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Bullards-Bandon-Wadecreek Complex

SUBGROUP: Typic haplorthods

PROFILE/DESCRIPTION: 9" - dark chroma silt loam

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

Description: Several "fingers" of forested wetland along drainages within upland Rhododendron sp. community. South border formed by wetland # 21 (PEM), other borders formed by sharp topography to upland forest. Outlet of drainages to wetland # 21 to the south.

COMMENTS: City owned property.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	23
		Data Plot #:	20, 21, 22
LOCATION:	Central Port Orford - Pinehurst Drive	**LEGAL:**	T.33S, R.15W, S.05BA, 5AB
WETLAND SIZE:	5.63 ac	**INVENTORY MAP #:**	22, 23
CLASSIFICATION:	PABH	**AFFECTED TAXLOTS:**	See comments.

COMMUNITY TYPE: *Nuphar polysepalum - Potamogeton* sp.

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Lonicera involucrata*	*Potamogeton* sp.
	Salix sp.	*Nuphar polysepalum*
		Carex obnupta

HYDROLOGY:

REGIME: Surface water **HYDROLOGIC INDICATORS:** Inundation, water marks, etc.

REMARKS: Water level controlled - outflow piped to Garrison Lake. Receives outflow from WL25 and 26 east of Hwy. 101.

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Hebo silty clay loam **SUBGROUP:** Typic tropaquepts

PROFILE/DESCRIPTION: 9" - dark,mucky organics; >9" - rock

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Outflow controlled by a headgate on top end of culvert, flows into PEM wetland in a bay next to city water intake. This bay needs to be monitored for recurrence of purple loosetrife (Lythrum salicaria) a noxious weed. Shrub and tree components exist as narrow fringe along edge of open water.

COMMENTS: Affected taxlots: 100, 1800, 1902, 2000, 2100, 2200, 2300, 3200, 3201, 3300. Visual observation from City Park.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	24
		Data Plot #:	76
LOCATION:	East of Highway 101 at 18th Street	**LEGAL:**	T.32, R.15, S.32DD; 3315 5AA
WETLAND SIZE:	0.12 ac	**INVENTORY MAP #:**	24
CLASSIFICATION:	PSS	**AFFECTED TAXLOTS:**	3215 32DD- 600, 1300; 3315 5AA - 1300, 1301

COMMUNITY TYPE: *Salix* sp. - *Spirea douglasii*

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
	Spirea douglasii	*Salix sp.*

HYDROLOGY:

REGIME: Surface water 0"

HYDROLOGIC INDICATORS: Saturated upper 12", drainage patterns

REMARKS: Isolated hydrology - piped connections possible, but unknown

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Bullards-Bandon-Wadecreek Complex **SUBGROUP:** Typic haplorthods

PROFILE/DESCRIPTION: mottling at 9-12"

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Narrow shrub wetland in remnant borrow ditch isolated by a highly disturbed surrounding residential area.

COMMENTS: View from 18th Street.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	25
		Data Plot #:	34, 35
LOCATION:	16th Street and Tichenor	**LEGAL:**	T.33S, R.15W, S.05AA
WETLAND SIZE:	5.16 ac	**INVENTORY MAP #:**	23, 24, 32
CLASSIFICATION:	PEM	**AFFECTED TAXLOTS:**	500, 501, 3000, 3100, 3200, 3300, 3400, 3800, 4300, 4400, 4500
COMMUNITY TYPE:	*Lysichitum americanum*		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
	Salix sp.	*Lysichitum americanum*
		Scirpus microcarpus
		Carex obnupta
		Epilobium glandulosum

HYDROLOGY:

REGIME: Surface water 12-18"

HYDROLOGIC INDICATORS:

REMARKS: Connects under Hwy. 101. To WL23 by supermarket. Source is seeps on hillside and surface runoff that collects behind the school.

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Bullards-Ferrelo-Hebo Complex **SUBGROUP:** See Appendix C.

PROFILE/DESCRIPTION: Surface - sand/ muck

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Wetland edge along 16th Street and steep banks. Surface water isolated by streets; only groundwater connection to surrounding watershed.

COMMENTS: View from 16th Street. Boundary delineation from field measurements and aerial photo interpretation.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	26
		Data Plot #:	36-40
LOCATION:	South of Vista Drive/ Jefferson Street	**LEGAL:**	T.33S, R.15W, S.05AA, 4B
WETLAND SIZE:	1.42 ac	**INVENTORY MAP #:**	24, 25
CLASSIFICATION:	PFO	**AFFECTED TAXLOTS:**	105, 109, 2000, 2100, 2300, 2700, 2900, 3000

COMMUNITY TYPE: *Alnus rubra - Rubus spectabilis* riparian with surrounding *Pseudotsuga menziesii* forest

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Lonicera involucrata*	*Lysichitum americanum*
Rhamnus purshiana	*Rubus spectabilis*	*Carex obnupta*
		Rhamnus purshiana
		Juncus effusus

HYDROLOGY:

REGIME: Surface water 4-6" **HYDROLOGIC INDICATORS:** Inundation, saturated in upper 12", etc.

REMARKS: Edge of open water area - Road (Jefferson) fill retaining OW uphill.

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Ferrelo-Gearhart Complex **SUBGROUP:** Typic dystropepts

PROFILE/DESCRIPTION: 0-9" sandy, silt, organics

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Small ephemeral streams feed into broad ponded area with palustrine forested community. Jefferson Road fill retains open water component. Wetland boundaries formed by steep topography along edges of stream basin. Outflow retained by road and residential areas. This drainage is highly disturbed as it crosses residential areas down to Hwy. 101, where it connects to WL25.

COMMENTS: Wetland is isolated by residential areas and road.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	27
		Data Plot #:	26-29
LOCATION:	South end of Garrison Lake; West side of California Street	**LEGAL:**	T.33S, R.15W, S.05BC
WETLAND SIZE:	1.53 ac	**INVENTORY MAP #:**	29
CLASSIFICATION:	PEM	**AFFECTED TAXLOTS:**	100, 302, 311

COMMUNITY TYPE: *Elodea* sp. (emergent) with small *Alnus rubra* (overstory) component

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Myrica californica*	*Elodea* sp.
Salix sp.	*Lonicera involucrata*	*Lemna* sp.
	Typha latifolia	*Rorripa nastursium-aquaticum*
	Oenanthe sarmentosa	*Lysichitum americanum*
		Phragmites communis

HYDROLOGY:

REGIME: Surface water 1 - 2' **HYDROLOGIC INDICATORS:** Inundation, drift lines, etc.

REMARKS:

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Hebo silty clay loam **SUBGROUP:** Typic tropaquepts

PROFILE/DESCRIPTION: 12-24" gravel and muck

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Emergent wetland located in shallow water along the edge of the lake; California Street forms eastern boundary; L1OW forms western boundary; Culvert connection to drainage east (WL 28, 29).

COMMENTS: View from California Street at the south boat ramp. North boundary is abrupt slope, south boundary is city boat ramp.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	28
		Data Plot #:	(Off-Site Determination)
LOCATION:		**LEGAL:**	T.33, R.15, S.05BD
WETLAND SIZE:	2.34 ac	**INVENTORY MAP #:**	30
CLASSIFICATION:	POWW	**AFFECT TAXLOTS:**	1300
COMMUNITY TYPE:	Open Water		

VEGETATION:

TREES: SHRUBS: HERBACEOUS:

HYDROLOGY:

REGIME: **HYDROLOGIC INDICATORS:**

REMARKS: Water treatment plant

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: **SUBGROUP:**

DESCRIPTION: Artificially created substrate

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): ---

DESCRIPTION: Water quality plant within drainage basin. Outflow into drainage which feeds into Garrison Lake to the west. Contiguous with WL 29 (PSS) to the east.

COMMENTS: Wetland designation (POWW) for the water quality plant for mapping purposes only. Wetland data and function/condition assessment not needed for the plant. Affected taxlot on city property. DSL considers treatment ponds to be non-jurisdictional.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	29
		Data Plot #:	30-33
LOCATION:	Arizona Street/9th Street	**LEGAL:**	T.33S, R.15W, S.05BD, 5AC
WETLAND SIZE:	4.25 ac	**INVENTORY MAP #:**	30, 31
CLASSIFICATION:	PSS	**AFFECTED TAXLOTS:**	1200,1300, 1301,1400,1600,1700,1800,1900, 2400,4100,4200,4300,4500

COMMUNITY TYPE: *Salix* sp. - *Lysichitum americanum*

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Salix sp.	*Lonicera involucrata*	*Lysichitum americanum*
Alnus rubra	*Athyrium filix-femina*	*Juncus effusus*
Rhamnus purshiana		*Carex obnupta*
		Agrostis alba

HYDROLOGY:

REGIME: Surface water 12" **HYDROLOGIC INDICATORS:** Inundation, water marks, etc.

REMARKS: Hydrology in area along stream about 50' wide (at widest point; generally much narrower) contained within canyon. Source is seeps from hillside running through residential area.

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Bullards-Bandon-Wadecreek Complex **SUBGROUP:** Typic haplorthods

PROFILE/DESCRIPTION: 9" - organics and sand

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Wetland confined to steep rock outcrop canyon and bordered by roadways; palustrine wetland associated with small stream feeding into Garrison Lake. Shrub component dominant in majority of wetland with pockets of emergent (to small to delineate in LWI).

COMMENTS: View from 9th Street west of Arizona Street.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	30
		Data Plot #:	65, 66, 70
LOCATION:	South end of Garrison Lake - outflow to beach/Pacific	**LEGAL:**	T.33, R.15, S.05BC, 5C, 5CC
WETLAND SIZE:	2.22 ac	**INVENTORY MAP #:**	29, 44
CLASSIFICATION:	PEM	**AFFECTED TAXLOTS:**	3315 5CC - 400, 500, 501, 1636
COMMUNITY TYPE:	*Carex obnupta - Cicuta douglasii*		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
	Salix sp.	*Cicuta douglasii*
		Carex obnupta
		Petasites frigidus

HYDROLOGY:

REGIME: Surface water 24"

HYDROLOGIC INDICATORS: Inundation, sediment deposits, etc.

REMARKS:

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Ferrelo-Gearhart Complex

SUBGROUP: Typic dystropepts

PROFILE/DESCRIPTION: 9" sandy loam; organic

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Palustrine wetland associated with tidal (R1) stream: permanent flow, outflow of Garrison Lake to Pacific Ocean; wetland 30' wide confined to stream channel within dunes which narrows to 15' downstream. Lack of vegetation at lower end where tidal influence is more pronounced.

COMMENTS: The above description is for previous conditions, prior to the breach of sea water into Garrison Lake in 1998. Much of the sand had begun to fill in the beach area (April 1999) and it is expected that the area will eventually revert back to similar conditions. Currently (April 1999), sea water enters the lake at high tide. The stream channel is no longer present except for an isolated portion of it at the south end, which is accessible from the beach.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	31
		Data Plot #:	67
LOCATION:	South of Garrison Lake and 9th Street	**LEGAL:**	T.33, R.15, S.05BC
WETLAND SIZE:	0.37 ac	**INVENTORY MAP #:**	44
CLASSIFICATION:	PEM	**AFFECTED TAXLOTS:**	400

COMMUNITY TYPE: *Carex obnupta - Elodea* sp.

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
		Carex obnupta
		Eleocharis palustris
		Juncus effusus
		Scirpus microcarpus

HYDROLOGY:

REGIME: Surface water 0"

HYDROLOGIC INDICATORS: Saturated upper 12", water marks, etc.

REMARKS: Outflow - under sand/dune, receives R2 outflow stream

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Ferrelo-Gearhart Complex

SUBGROUP: Typic dystropepts

PROFILE/DESCRIPTION: 9" - sand

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: PEM area collects outflow of ephemeral drainages from the east. Topography flattens out and drainage broadens out. At time of survey, the surface flow stopped at the dune area on the west boundary of the wetland. Evidence (i.e., debris lines and sediment deposits) indicated that higher stream flows continued over the dune area to form a direct surface flow connection to WL 30 (PEM) associated with the tidal stream (R1).

COMMENTS: Access from beach or trailer lot to the north.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	32
		Data Plot #:	68, 69
LOCATION:	South of Garrison Lake and 9th Street	**LEGAL:**	T.33, R.15, S.05BC
WETLAND SIZE:	0.38 ac	**INVENTORY MAP #:**	44
CLASSIFICATION:	PFO	**AFFECTED TAXLOTS:**	400
COMMUNITY TYPE:	*Salix* sp. - *Pinus contorta*		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Salix sp. *(sitchensis)*	*Gaultheria shallon*	*Carex obnupta*
Pinus contorta contorta	*Lonicera involucrata*	*Juncus effusus*
	Alnus rubra	*Lysichitum americanum*

HYDROLOGY:

REGIME: Surface water 1-2" **HYDROLOGIC INDICATORS**: Inundation, saturated upper 12"

REMARKS: Standing water - disappears later in summer

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Ferrelo-Gearhart Complex **SUBGROUP**: Typic dystropepts

PROFILE/DESCRIPTION:

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE):

DESCRIPTION: Inflow from ephemeral streams to east and outflow to WL 31 (PEM) to the west. Wetland associated with narrow and meandering stream which continues to WL 31; wetland within floodplain of stream.

COMMENTS: View from beach access.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	33
		Data Plot #:	71, 72
LOCATION:	California Street and 9th Street	**LEGAL:**	T.33, R.15, S.05C
WETLAND SIZE:	0.65 ac	**INVENTORY MAP #:**	29
CLASSIFICATION:	PSS	**AFFECTED TAXLOTS:**	300

COMMUNITY TYPE: *Alnus rubra - Lysichitum americanum*

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
	Rhamnus purshiana	*Lysichitum americanum*
	Alnus rubra (saplings)	*Carex obnupta*
		Salix sp. (FAC-OBL)
		Typha latifolia

HYDROLOGY:

REGIME: Surface water 4-6" **HYDROLOGIC INDICATORS**: Inundation, saturated upper 12"

REMARKS:

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Hebo silty clay loam **SUBGROUP**: Typic tropaquepts

PROFILE/DESCRIPTION: 9" mucky/organics

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Red alder saplings dominant vegetation. Wetland located along southern "finger" of Garrison Lake. Wetland confined by steep banks along edge of Lake; north boundary - L1OW.

COMMENTS: PSS, no forested component. Access from California Street.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	34
		Data Plot #:	60, 61
LOCATION:	South of Vista Drive - West of Old Cemetery Loop	**LEGAL:**	T.33, R.15, S.04B, 4CB
WETLAND SIZE:	5.28 ac	**INVENTORY MAP #:**	25, 26, 37, 38
CLASSIFICATION:	PFO	**AFFECTED TAXLOTS:**	102,900, 901,800,700

COMMUNITY TYPE: *Alnus rubra - Lysichitum americanum*

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Rubus spectabilis*	*Lysichitum americanum*
		Scirpus microcarpus

HYDROLOGY:

REGIME: Surface water 4-6" **HYDROLOGIC INDICATORS**: Inundation, drainage patterns in wetlands

REMARKS: Associated with a R2 (lower perennial) stream; connects at shore and under Highway 101.

HYDROLOGIC BASIN: Gold Creek

SOIL:

SERIES: Cunniff silty clay loam **SUBGROUP**: Typic palehumults

PROFILE/DESCRIPTION: 9-12" sand 85%, cobble pebble

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Wetland fringe 50'-60' wide along both edges of Gold Creek. South edge of drainage steep sloped canyon. North edge - slope more gradual, saturation determined with soil probe.

COMMENTS: Vegetation logged within power line ROW parallel to stream. Access from Old Cemetery Loop Road.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	35
		Data Plot #:	62
LOCATION:	South of Old Cemetery Loop Road and U.S. Highway 101.	**LEGAL:**	T.33, R.15, S.04CB
WETLAND SIZE:	0.17 ac	**INVENTORY MAP #:**	37, 38
CLASSIFICATION:	PFO	**AFFECTED TAXLOTS:**	800

COMMUNITY TYPE: *Pinus contorta - Salix* sp.

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Pseudotsuga menziesii	*Rubus spectabilis*	*Lysichitum americanum*
Pinus contorta		*Equisetum palustre*
Salix sp.		*Scirpus microcarpus*

HYDROLOGY:

REGIME: Surface water 6" **HYDROLOGIC INDICATORS**: Inundation, drainage patterns

REMARKS: Impoundment up slope of Hwy 101 from seeps; flows down into stream in dunes.

HYDROLOGIC BASIN: Gold Creek

SOIL:

SERIES: Bullards-Bandon-Wadecreek Complex **SUBGROUP**: Typic haplorthods

PROFILE/DESCRIPTION: silt, gravel, sand

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Hydrologic connection to WL 34 upper perennial (R2) stream through culvert.

COMMENTS: Surface water connection with WL34 (PFO) upstream through culvert.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	36
		Data Plot #:	58, 59
LOCATION:	Southeast quad of city: canyon between Old Cemetery Loop and Vista Drive.	**LEGAL:**	T.32, R.15, S.33D; 3315 4A, 3B, 4D
WETLAND SIZE:	12.10 ac	**INVENTORY MAP #:**	20, 27, 39
CLASSIFICATION:	PFO	**AFFECTED TAXLOTS:**	See comments.
COMMUNITY TYPE:	PFO		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Pseudotsuga menziesii	*Athyrium filix-femina*	*Lysichitum americanum*
Alnus rubra	*Gaultheria shallon*	*Scirpus microcarpus*

HYDROLOGY:

REGIME: Surface water 18-24"

HYDROLOGIC INDICATORS: Inundation, drainage patterns

REMARKS: Drainage 45' wide - up slope of Old Mill Rd..

HYDROLOGIC BASIN: Hubbard Creek

SOIL:

SERIES: Millicoma-Whaleshead-Reedsport Complex

SUBGROUP: Andic humitropepts

PROFILE/DESCRIPTION: surface silt and sand

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Wetland within 45' channel; clear wetland boundary at stream bank.

COMMENTS: Sampling from road crossing - No local property access. Affected Taxlots: 100, 103, 104, 200, 201, 204, 205, 301, 302, 304, 305, 306, 307, 308, 309, 310, 400, 1000, 1100, 1300, 1400, 1500, 1700, 1702, 1900, 1905, 1906,1907, 2109, 2200, 2110, 2300, 2111, 2400, 2112, 2500, 2113, 2600, 2700.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	37
		Data Plot #:	(Off-Site Determination)
LOCATION:	East of Old Cemetery Loop and west of Fir Road	**LEGAL:**	T.33, R.15, S.04D
WETLAND SIZE:	1.29 ac	**INVENTORY MAP #:**	39
CLASSIFICATION:	PSS	**AFFECTED TAXLOTS:**	1700,105, 106

COMMUNITY TYPE: Mixed shrub

VEGETATION: No on-site data taken

TREES: SHRUBS: HERBACEOUS:

HYDROLOGY:

REGIME: **HYDROLOGIC INDICATORS:** Drainage patterns

REMARKS: Associated with R2 (upper perennial) stream - within 45 - 50 feet of center of stream

HYDROLOGIC BASIN: Hubbard Creek

SOIL:

SERIES: Cunniff silty clay loam **SUBGROUP:** Typic palehumults

PROFILE/DESCRIPTION: Hydric in wet spots

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Associated with stream corridor. Contiguous with WL 36 (PFO) upstream and WL38 (PEM) downstream.

COMMENTS: Aerial photo interpretation adjusted to existing topography map. No local property access. Visual assessment from Old Cemetery Loop road.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	38
		Data Plot #:	52
LOCATION:	Fir Road and U.S. Highway 101 - Southeast quad of city	**LEGAL:**	T.33, R.15, S.04D, 9A
WETLAND SIZE:	5.05 ac	**INVENTORY MAP #:**	41
CLASSIFICATION:	PEM	**AFFECTED TAXLOTS:**	101, 300, 400
COMMUNITY TYPE:	*Juncus* sp. - *Phalaris arundinacea*		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
		Juncus effusus
		Phalaris arundinacea
		Rumex maritimus
		Rumex crispus

HYDROLOGY:

REGIME: Surface water 0" **HYDROLOGIC INDICATORS**: Saturation

REMARKS: Convergence of N. Fork Hubbard Creek and mainstem of Hubbard Creek

HYDROLOGIC BASIN: Hubbard Creek

SOIL:

SERIES: Nestuca silt loam **SUBGROUP**: Aeric tropaquepts

PROFILE/DESCRIPTION: low chroma soil; mapped as hydric

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Emergent - wet meadow in lower reach of Hubbard Creek basin - surface water flow retained by Highway 101 and flat topography.

COMMENTS:

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	39
		Data Plot #:	53, 54
LOCATION:	North of Intersection of Fir Road and Highway 101	**LEGAL:**	T.33, R.15, S.09A
WETLAND SIZE:	1.13 ac	**INVENTORY MAP #:**	41
CLASSIFICATION:	PFO	**AFFECTED TAXLOTS:**	101
COMMUNITY TYPE:	*Alnus rubra - Lysichitum americanum*		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Rubus discolor*	*Lysichitum americanum*
		Carex obnupta

HYDROLOGY:

REGIME: Surface water 0" **HYDROLOGIC INDICATORS**: Saturated, drainage patterns

REMARKS: High groundwater and periodic surface water flow

HYDROLOGIC BASIN: Hubbard Creek

SOIL:

SERIES: Nestuca silt loam **SUBGROUP**: Aeric tropaquepts

PROFILE/DESCRIPTION: 0-9" silt and organics; mapped as hydric

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Wetland boundaries: south Fir Road; north - WL 38 (PEM); west - steep topography; east - Fir Road. Hydrology detained by road on south.

COMMENTS: Data plot north of Fir Road. Wetland boundary determined by aerial photo interpretation and field measurements.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	40
		Data Plot #	63, 64
LOCATION:	West side of U. S. Highway 101 at Fir Road	**LEGAL:**	T.33, R.15, S.09A
WETLAND SIZE:	3.27 ac	**INVENTORY MAP #:**	41
CLASSIFICATION:	PSS	**AFFECTED TAXLOTS:**	400, 401
COMMUNITY TYPE:	*Alnus rubra* - *Salix* sp. - *Carex obnupta*		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
	Alnus rubra	*Carex obnupta*
	Salix sp.	*Lysichitum americanum*
		Scirpus microcarpus
		Juncus effusus

HYDROLOGY:

REGIME: Surface water 2"

HYDROLOGIC INDICATORS: Inundation, saturated upper 12", etc.

REMARKS:

HYDROLOGIC BASIN: Hubbard Creek

SOIL:

SERIES: Chetco silt loam

SUBGROUP: Typic tropaquepts

PROFILE/DESCRIPTION: 9" mucky, organics, and sandy; mapped as hydric

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Small isolated shrub community surrounded by disturbed area adjacent to highway. Located outside of main channel of Hubbard Creek to the north. Boundaries formed by highway and fill associated with highway.

COMMENTS: Access west of Hwy 101 near outflow basin of Hubbard Creek.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	41
		Data Plot #	51, 81
LOCATION:	South of Fir Road - along main stem of Hubbard Creek - SE quad of city	**LEGAL:**	T.33, R.15, S.03C, 9A, 10B
WETLAND SIZE:	31.17 ac	**INVENTORY MAP #:**	40, 42
CLASSIFICATION:	PFO	**AFFECTED TAXLOTS:**	1000, 700, 101, 106, 105, 102

COMMUNITY TYPE: *Alnus rubra - Lysichitum americanum*

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Rubus discolor*	*Lysichitum americanum*
Picea sitchensis		*Heracleum lanatum*

HYDROLOGY:

REGIME: Surface water 12-24"

HYDROLOGIC INDICATORS: Inundation, drainage patterns in wetlands.

REMARKS: Observation from road - associated with flood plain Hubbard Creek

HYDROLOGIC BASIN: Hubbard Creek

SOIL:

SERIES: Nestuca silt loam

SUBGROUP: Aeric tropaquepts

PROFILE/DESCRIPTION: surface cobble and sand, data collected by observation from road.

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Forested community associated with main stem Hubbard Creek. Boundaries formed north and south by steep contours of surrounding canyon hillsides.

COMMENTS: Wetland, soil, vegetation, and hydrology off site (road) observation. Access from Fir Road.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	42
		Data Plot #	79, 80
LOCATION:	South of Fir Road - Hubbard Creek - SE quad of city	**LEGAL:**	T.33, R.15, S.9A, 10B
WETLAND SIZE:	0.89 ac	**INVENTORY MAP #:**	41, 42
CLASSIFICATION:	PEM	**AFFECTED TAXLOTS:**	101, 107
COMMUNITY TYPE:	*Phalaris arundinacea*		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
	Rubus discolor	*Juncus effusus*
	Gaultheria shallon	*Phalaris arundinacea.*
		Rumex maritimus
		Rumex crispus

HYDROLOGY:

REGIME: Surface water 0" **HYDROLOGIC INDICATORS**: Drainage patterns

REMARKS:

HYDROLOGIC BASIN: Hubbard Creek

SOIL:

SERIES: Nehalem silt loam **SUBGROUP**: Fluventic humitropepts

PROFILE/DESCRIPTION: 7-17"

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Small emergent wetland adjacent to WL41 (PFO). Western boundary along Fir Road.

COMMENTS: Sample off of road - parallel to stream.

WETLAND SUMMARY SHEET

Date of Verification:	7-12-95	**Wetland Code:**	43
		Data Plot #	49, 50
LOCATION:	North of Fir Road - Hubbard Creek - SE quad of city	**LEGAL:**	T.33, R.15, S.03C
WETLAND SIZE:	7.54 ac	**INVENTORY MAP #:**	40
CLASSIFICATION:	PEM	**AFFECTED TAXLOTS:**	700, 709, 710, 711, 712, 900, 902

COMMUNITY TYPE: *Scirpus microcarpus - Carex obnupta*

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Pseudotsuga menziesii	*Salix* sp.	*Scirpus microcarpus*
		Carex obnupta
		Lysichitum americanum

HYDROLOGY:

REGIME: Surface water 0" **HYDROLOGIC INDICATORS**: Saturation at surface

REMARKS:

HYDROLOGIC BASIN: Hubbard Creek

SOIL:

SERIES: Millicoma-Whaleshead-Reedsport Complex **SUBGROUP**: Andic humitropepts

PROFILE/DESCRIPTION: 0-9" organics and silt, >12" silt and open water

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: PEM wetland from edge of road south along tributary of Hubbard Creek - Boundaries formed by steep contours of canyon hillsides.

COMMENTS: Access from Fir Road. Community extends east outside of Study Area.

WETLAND SUMMARY SHEET

Date of Verification:	4-12-99	**Wetland Code:**	44
		Data Plot #	41
LOCATION:	Southwest of Knapp Road and U. S. Highway 101	**LEGAL:**	T.32, R.15, S.29A
WETLAND SIZE:	1.22 ac	**INVENTORY MAP #:**	1
CLASSIFICATION:	MOSAIC - PEM/OW	**AFFECTED TAXLOTS:**	1500
COMMUNITY TYPE:	*Ulex europaeus*		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
	Rubus discolor	*Juncus effusus*
	Ulex europaeus	
	Ceanothus thrysoflorus	
	Rubus ursinus	

HYDROLOGY:

REGIME: Surface water, several feet deep (laha)

HYDROLOGIC INDICATORS: inundation

REMARKS: A drainage has been damned creating this pond.

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Bullards-Bandon-Wadecreek Complex **SUBGROUP**: See Appendix C.

PROFILE/DESCRIPTION: 0-9" silt, w/clay content; near mapped hydric soil

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Damned drainage has created this small impoundment surrounded by gorse.

COMMENTS: Access from Knapp Road through lots 1000 - 1401.

WETLAND SUMMARY SHEET

Date of Verification:	4-12-99	**Wetland Code:**	45
		Data Plot #:	26-29
LOCATION:	North end of Garrison Lake, on Garrison Lake Road	**LEGAL:**	T.32, R.15, S.32B
WETLAND SIZE:	0.82 ac	**INVENTORY MAP #:**	13
CLASSIFICATION:	PEM	**AFFECTED TAXLOTS:**	1001
COMMUNITY TYPE:	*Lysichitum americanum* (emergent) with *Alnus rubra* (overstory)		

VEGETATION:

TREES:	SHRUBS:	HERBACEOUS:
Alnus rubra	*Oenanthe sarmentosa*	*Lemna* sp.
Salix sp.	*Lonicera involucrata*	*Rorripa nastursium-aquaticum*
	Typha latifolia	*Lysichitum americanum*
		Phragmites communis

HYDROLOGY:

REGIME: Surface water 1 - 2' **HYDROLOGIC INDICATORS:** Inundation, drift lines, etc.

REMARKS:

HYDROLOGIC BASIN: Garrison Lake

SOIL:

SERIES: Hebo silty clay loam **SUBGROUP:** Typic tropaquepts

PROFILE/DESCRIPTION: 12-24" gravel and muck

FUNCTION/CONDITION OVERALL (TYPICAL WETLAND TYPE): See Appendix E.

DESCRIPTION: Emergent wetland located in low spot adjacent to Garrison Lake. Garrison Lake Road crosses the wetland and a culvert connects both sides, and drains to Garrison Lake.

COMMENTS:

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 1

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides habitat for some wildlife species	• Only 2 Cowardin classes present - mostly emergent vegetation • Moderate interspersion
Fish Habitat	Function is lost or not present	• No stream, lake, or pond present
Water Quality	Impacted or degraded function	• Water source is groundwater/seeps • Wetland is not in urban area
Hydrologic Control	Impacted or degraded function	• Wetland is not in urban area • Wetland is small size
Sensitivity to Impact	Potentially sensitive	• Has natural hydrologic conditions • Streams are not water quality limited
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Potential use	• One or two safety hazards • Wetland is not on public property • Wetland is near transfer station
Recreation	Potential use	• There is no maintained public access (e.g., no trails or roads)
Aesthetic Quality	Moderately pleasing	• Some odors, noise, and visual detractors come from transfer station

Narrative description of overall wetland functions and conditions

Not a significant wetland. This wetland is isolated and adjacent to the transfer station and has likely been impacted at some point.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 2, 3, 4

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides diverse habitat	• Woody vegetation cover • Connected to other wetlands
Fish Habitat	Intact function	• Streams are not water quality limited • Has natural stream channel with instream structure
Water Quality	Impacted or degraded function	• Wetland is not in urban area
Hydrologic Control	Intact function	• Large size wetland • Woody vegetation • Located upstream from developed areas
Sensitivity to Impact	Potentially sensitive	• Has natural hydrologic conditions • Streams are not water quality limited
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Not appropriate for educational use	• More than two visible safety hazards
Recreation	Potential use	• There is no maintained public access (e.g., no trails or roads)
Aesthetic Quality	Moderately pleasing	• Less than 25% is visible from viewing area

Narrative description of overall wetland functions and conditions

These wetlands are significant because they provide diverse wildlife habitat and intact fish habitat. The wetland consists of a riparian area confined by topography that empties into Garrison Lake.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 5, 6, 7

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides habitat for some wildlife species	• Emergent vegetation dominates, but there is little open water available • Low interspersion
Fish Habitat	Intact function	• Streams are not water quality limited
Water Quality	Impacted or degraded function	• Moderate wetland vegetation cover • Wetland is not in urban area
Hydrologic Control	Intact function	• Woody vegetation cover • Large wetland with evidence of flooding
Sensitivity to Impact	Potentially sensitive	• Water is not actively diked and the wetland is not isolated • Streams are not water quality limited
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Potential use	• One or two safety hazards • Wetland is not on public property
Recreation	Potential use	• There is no maintained public access (e.g., no trails, boat ramps)
Aesthetic Quality	Pleasing	• No visual detractors • More than two Cowardin classes

Narrative description of overall wetland functions and conditions

These are significant wetlands due to intact fish habitat and intact hydrologic control. The wetland consists of a riparian area confined by topography that forms the upper reaches of WL. It empties into WL 8, which eventually empties in Garrison Lake.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 8

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides diverse habitat	• High interspersion • Connected to other wetlands • Has vegetative buffer
Fish Habitat	Intact function	• Streams are not water quality limited
Water Quality	Impacted or degraded function	• Streams are not water quality limited • Wetland is not in urban area
Hydrologic Control	Intact function	• Woody vegetation cover • Large wetland with evidence of flooding
Sensitivity to Impact	Potentially sensitive	• Has natural hydrologic conditions • Streams are not water quality limited
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Potential use	• One or two safety hazards • Wetland is not on public property
Recreation	Potential use	• There is no maintained public access (e.g., no trails or roads)
Aesthetic Quality	Moderately pleasing	• Less than 25% of wetland is visible from viewing area

Narrative description of overall wetland functions and conditions

A significant wetland because it provides diverse wildlife habitat, intact fish habitat, and hydrologic control. WL 8 is a nice, large wetland complex that is relatively unaltered except at road crossings. Connectivity is maintained by culverts, and water eventually drains into Garrison Lake.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 9, 10

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides diverse habitat	• High interspersion • Connected to other wetlands • Has vegetative buffer
Fish Habitat	Intact function	• Streams are not water quality limited
Water Quality	Impacted or degraded function	• Low vegetation cover • Wetland is not in urban area
Hydrologic Control	Intact function	• Woody vegetation cover • Large wetland with evidence of flooding
Sensitivity to Impact	Potentially sensitive	• Has natural hydrologic conditions • Streams are not water quality limited
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Potential use	• Not on public property • One or two safety hazards
Recreation	Potential use	• Public access areas are not maintained
Aesthetic Quality	Pleasing	• No visual detractors • Near open space/natural landscape

Narrative description of overall wetland functions and conditions

These are significant wetlands because they provide diverse wildlife habitat, intact fish habitat, and intact hydrologic control. The wetland consists of a riparian area confined by topography that empties into Garrison Lake.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 11, 13, 15, 16, 17

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides diverse habitat	• High interspersion • Connected to other wetlands • Has vegetative buffer
Fish Habitat	Intact function	• Streams are not water quality limited
Water Quality	Impacted or degraded function	• Water source is groundwater/seeps • Wetland is not in urban area
Hydrologic Control	Intact function	• Woody vegetation cover • Large wetland with evidence of flooding
Sensitivity to Impact	Potentially sensitive	• Has natural hydrologic conditions • Streams are not water quality limited
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Potential use	• Not on public property • One or two safety hazards
Recreation	Potential use	• Public access areas are not maintained
Aesthetic Quality	Pleasing	• No visual detractors • Near open space/natural landscape

Narrative description of overall wetland functions and conditions

These are significant wetlands because they provide diverse wildlife habitat, intact fish habitat, and intact hydrologic control. The wetland consists of a riparian area confined by topography that empties into Garrison Lake

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 12

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides habitat for some wildlife species	• Woody vegetation cover • Has vegetative buffer
Fish Habitat	Function is lost or not present	• No stream, river, pond, or lake present
Water Quality	Impacted or degraded function	• Water source is precipitation/sheet flow • No evidence of flooding or ponding
Hydrologic Control	Function is lost or not present	• Wetland is not in/upstream of urban area • No evidence of flooding or ponding
Sensitivity to Impact	Sensitive to future impacts	• Streams are not water quality limited
Enhancement Potential	Little potential	• One or more functions is impacted or degraded • Wetland is small in size
Education	Potential use	• One or two safety hazards • Unmaintained access point
Recreation	Potential use	• There is no maintained public access (e.g., no trails or roads) • Multiple hazards
Aesthetic Quality	Pleasing	• No visual detractors, noise, or odors
Narrative description of overall wetland functions and conditions		
This wetland is not significant due to its close proximity to a road and its isolation.		

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 14

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides habitat for some wildlife species	• Near developed areas along Garrison Lake
Fish Habitat	Impacted or degraded function	• Little shoreline vegetation • Adjacent to developed/residential areas
Water Quality	Impacted or degraded function	• Low degree of vegetative cover
Hydrologic Control	Intact function	• Large wetland area with evidence of flooding
Sensitivity to Impact	Potentially sensitive	• Has natural hydrologic conditions • Streams are not water quality limited
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Potential use	• Public access is available • Boating, interpretive trails exist
Recreation	Potential use	• Public access is available • Boating, interpretive trails exist
Aesthetic Quality	Pleasing	• Majority of wetland is visible • Few odors or noise

Narrative description of overall wetland functions and conditions

This wetland is significant due to its intact hydrologic control. The fact that the shoreline of Garrison Lake is developed (residential) limits the functions and conditions of fish habitat, education, recreation, etc. Currently, the wetlands and connected lake are used for educational and recreational purposes.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 18, 19

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides diverse habitat	• Connected to other wetlands via surface water • Has vegetated buffer
Fish Habitat	Intact function	• Streams are not water quality limited • Instream structure is present
Water Quality	Impacted or degraded function	• Moderate vegetative cover
Hydrologic Control	Impacted or degraded function	• Wetland is not in urban area • Emergent vegetation dominates
Sensitivity to Impact	Potentially sensitive	• Streams are not water quality limited
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Not appropriate	• One or two safety hazards (slope, roads) • Reservoir is fenced off - no access
Recreation	Not appropriate	• One or two safety hazards (slope, roads) • Reservoir is fenced off - no access
Aesthetic Quality	Moderately pleasing	• Some odors, noise, and visual detractors c from transfer station • Majority of wetland is not visible

Narrative description of overall wetland functions and conditions

These wetlands satisfy local significance criteria because they provide diverse wildlife habitat and intact fish habitat. This wetland includes Hubbard Creek Reservoir and its connected streams. The reservoir is fenced off from the public. WL 18 consists of three small reached that feed into the reservoir (WL19).

Note: this wetland complex may warrant additional protection beyond that of the riparian area because it is the City's source of drinking water.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 20

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides habitat for some wildlife species	• Near developed/urban areas
Fish Habitat	Function is lost or degraded	• Streams/pond are not water quality limited • Near developed areas
Water Quality	Impacted or degraded function	• Moderate vegetative cover
Hydrologic Control	Impacted or degraded function	• Evidence of flooding and inundation • Outflow is restricted - no outlet
Sensitivity to Impact	Potentially sensitive	• Not isolated • Water is not removed/diked
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Potential use	• One or two safety hazards • Wetland is not on public property
Recreation	Potential use	• There is no maintained public access (e.g., no trails or roads) • One or two safety hazards
Aesthetic Quality	Moderately pleasing	• No visual detractors or odors • Naturally landscaped/open space

Narrative description of overall wetland functions and conditions

This wetland is not significant because it is small, isolated, and has only one Cowardin wetland classification. However, it is an isolated wetland that is upstream from an urban area; therefore, it has flood storage capacities.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 21, 22, 27, 33, 45

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides diverse habitat	• Connected to other wetlands • Has vegetative buffer
Fish Habitat	Intact function	• Has natural stream conditions • Instream structures are present
Water Quality	Impacted or degraded function	• Evidence of flooding or ponding • High vegetative cover
Hydrologic Control	Impacted or degraded function	• Wetland is near urban/developed area • Wetland is large in size
Sensitivity to Impact	Potentially sensitive	• Water not removed/diked • Stream is not water quality limited
Enhancement Potential	Moderate potential	• No lost functions • Functions are not degraded or impacted
Education	Educational use	• Available public access • No safety hazards
Recreation	Recreational opportunities	• Available public access • Boat launch, trails
Aesthetic Quality	Moderately pleasing	• No visual detractors or odors • Natural landscaping/open space

Narrative description of overall wetland functions and conditions

These are significant wetlands because they provide diverse wildlife habitat, intact fish habitat, intact water quality, and intact hydrologic control. These wetlands consist of bays connected to Garrison Lake. They provide potential breeding/rearing grounds for fish species as well as habitat for waterfowl.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 23

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides diverse habitat	• Connected to other wetlands • Has vegetative buffer
Fish Habitat	Impacted or degraded function	• No areas of both shallow and deep water • Near developed/urban areas
Water Quality	Impacted or degraded function	• Not water quality limited
Hydrologic Control	Intact function	• Wetland is near developed/urban area • Wetland is large in size
Sensitivity to Impact	Potentially sensitive	• Water is not removed/diked • Streams are not water quality limited
Enhancement Potential	High potential	• One or more functions is impacted or degraded • Primary source of water is surface flow
Education	Potential use	• One or two safety hazards
Recreation	Recreational opportunities	• Public access point exists • Boat launch
Aesthetic Quality	Pleasing	• More than two Cowardin classes • No visual detractors

Narrative description of overall wetland functions and conditions

A significant wetland because it provides diverse wildlife habitat and intact hydrologic control. Recreational and educational opportunities exist and the area is adjacent to nature trails and public access.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 24

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides habitat for some wildlife species	• Only 1 Cowardin classes present - mostly emergent vegetation • Low interspersion • Near developed/urban area
Fish Habitat	Function is lost or not present	• No stream or ponded area is present
Water Quality	Impacted or degraded function	• No evidence of flooding/ponding • Very small wetland
Hydrologic Control	Intact function	• Within floodplain • Outflow is restricted • Woody vegetation dominates
Sensitivity to Impact	Potentially sensitive	• Water is not removed/diked • Streams are not water quality limited
Enhancement Potential	Little potential	• One or more functions is impacted or degraded
Education	Potential use	• One or two safety hazards • Wetland is not on public property
Recreation	Potential use	• No boat launch, no hunting
Aesthetic Quality	Not pleasing	• Continuous traffic noise • Permanent visual detractors

Narrative description of overall wetland functions and conditions

This wetland meets the exclusion criteria because it is an isolated ditch. Consequently, it is not significant.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 25

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides diverse habitat	• Has vegetative Buffer • Woody vegetative cover • High interspersion
Fish Habitat	Intact function	• Streams are not water quality limited • Natural channel present • Near naturally landscaped/open areas
Water Quality	Impacted or degraded function	• Streams are not water quality limited • Wetland is not in urban area
Hydrologic Control	Intact function	• Within flood plain • Woody vegetative cover present
Sensitivity to Impact	Potentially sensitive	• Streams are not water quality limited • Water is not removed/diked
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Potential use	• Wetland is not on public property
Recreation	Potential use	• There is no maintained public access (e.g., no trails or boat access)
Aesthetic Quality	Pleasing	• No noise, and visual detractors

Narrative description of overall wetland functions and conditions

It is significant because is provides diverse wildlife habitat, intact fish habitat, and intact hydrologic control. The wetland consists of a riparian area confined by topography that eventually into WL 27 and the into Garrison Lake.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 26

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides habitat for some wildlife species	• Near developed/urban area
Fish Habitat	Impacted or degraded function	• Streams are not water quality limited
Water Quality	Impacted or degraded function	• Moderate vegetative cover
Hydrologic Control	Impacted or degraded function	• Emergent vegetation is dominant • Not water quality limited
Sensitivity to Impact	Potentially sensitive	• Water is not removed/diked • Streams are not water quality limited
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Potential use	• One or two safety hazards • Wetland is not on public property
Recreation	Potential use	• No trails • No boating or hunting
Aesthetic Quality	Not pleasing	• Continuous traffic noise • Less than 25% of wetland visible

Narrative description of overall wetland functions and conditions

These wetlands are not significant because they do not meet any of the criteria. They are adjacent to Hwy. 101 and developed areas.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 28

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides habitat for some wildlife species	• Only 1 Cowardin classes present - mostly emergent vegetation • Low interspersion
Fish Habitat	Impacted or degraded function	• Confined ponds • No instream structure • No fish likely present
Water Quality	Impacted or degraded function	• Primary source of water is city waste water
Hydrologic Control	Impacted or degraded function	• No evidence of flooding or ponding • Low vegetative cover
Sensitivity to Impact	Potentially sensitive	• Water is not removed/diked • Streams are not water quality limited
Enhancement Potential	Moderate potential	• Primary source of water is city waste water • Area is restricted
Education	Not appropriate	• Not open for public use • Several safety hazards
Recreation	Not appropriate	• Not open for public use • Several safety hazards
Aesthetic Quality	Moderately pleasing	• Permanent visual detractors • Some odors from treatment plant

Narrative description of overall wetland functions and conditions

Port Orford's wastewater treatment facility: contains three large ponds where water is treated. Waterfowl were observed using the ponds.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 29

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides diverse habitat	• Has vegetative Buffer • Woody vegetative cover • High interspersion
Fish Habitat	Intact function	• Streams are not water quality limited • Natural channel present • Near naturally landscaped/open areas
Water Quality	Impacted or degraded function	• Streams are not water quality limited • Wetland is not in urban area
Hydrologic Control	Intact function	• Within flood plain • Woody vegetative cover present
Sensitivity to Impact	Potentially sensitive	• Streams are not water quality limited • Water is not removed/diked
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Potential use	• Wetland is not on public property
Recreation	Potential use	• There is no maintained public access (e.g., no trails or boat access)
Aesthetic Quality	Pleasing	• No noise, and visual detractors

Narrative description of overall wetland functions and conditions

It is significant because is provides diverse wildlife habitat, intact fish habitat, and intact hydrologic control. The wetland consists of a riparian area confined by topography that eventually into WL 27 and the into Garrison Lake.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 31, 32

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides diverse habitat	• Has vegetative Buffer • Woody vegetative cover
Fish Habitat	Impacted or degraded function	• Streams are not water quality limited • Instream structures present
Water Quality	Impacted or degraded function	• Low vegetative cover
Hydrologic Control	Intact function	• Within flood plain • Woody vegetative cover
Sensitivity to Impact	Potentially sensitive	• Streams are not water quality limited • Water is not removed/diked
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Educational use	• Available public access
Recreation	Recreational opportunities	• Available public access
Aesthetic Quality	Moderately pleasing	• Has 2 Cowardin classes • 25-50% of wetland is visible

Narrative description of overall wetland functions and conditions

This assessment was based on Spring 1999 conditions. This wetland satisfies local significance criteria due to diverse wildlife habitat and intact hydrologic control. However, it is currently isolated due to the breach of sea water into Garrison Lake.

Note: The functions and conditions of WL 30 were not assessed in 1999 because the stream/wetlands are no longer present. They are represented on the LWI maps in their 1995 conditions. Outflow and the stream channel will likely return over time.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 34, 35

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides diverse habitat	• Has vegetative Buffer • Woody vegetative cover • High interspersion
Fish Habitat	Intact function	• Instream structure present • Streamside is shaded 50%+
Water Quality	Impacted or degraded function	• Stream is not water quality limited • Wetland is not in urban area
Hydrologic Control	Intact function	• Within flood plain • Woody vegetative cover
Sensitivity to Impact	Potentially sensitive	• Streams are not water quality limited • Water is not removed/diked
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Potential use	• One or two safety hazards
Recreation	Potential use	• There is no maintained public access • One or two safety hazards
Aesthetic Quality	Moderately pleasing	• Less than 25% of wetland is visible

Narrative description of overall wetland functions and conditions

These wetlands satisfies local significance criteria due to diverse wildlife habitat, intact fish habitat, and intact hydrologic control. The wetlands consist of a riparian area confined by topography that empties into the Pacific Ocean.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 36, 37, 38, 39, 41, 42, 43

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides diverse habitat	• Has vegetative Buffer • Woody vegetative cover • High interspersion
Fish Habitat	Intact function	• Instream structure present • Streamside is shaded 50%+
Water Quality	Impacted or degraded function	• Stream is not water quality limited • Wetland is not in urban area
Hydrologic Control	Intact function	• Within flood plain • Woody vegetative cover • Restricted outflow
Sensitivity to Impact	Potentially sensitive	• Streams are not water quality limited • Water is not removed/diked
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Potential use	• One or two safety hazards • Wetland on private property
Recreation	Potential use	• There is no maintained public access • One or two safety hazards
Aesthetic Quality	Moderately pleasing	• Less than 25% of wetland is visible

Narrative description of overall wetland functions and conditions

These wetlands are significant because they provide diverse wildlife habitat, intact fish habitat, and intact hydrologic control. They form a large, diverse wetland complex adjacent to a fish-bearing stream. This complex contains the highest quality wetlands in Port Orford.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 40

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides diverse habitat	• Only 2 Cowardin classes present - mostly emergent vegetation • Moderate interspersion
Fish Habitat	Intact function	• Instream debris present • Steamside is shaded
Water Quality	Impacted or degraded function	• Primary source is groundwater/seeps and also overland flow.
Hydrologic Control	Impacted or degraded function	• Emergent vegetation dominates • Unrestricted outflow
Sensitivity to Impact	Potentially sensitive	• Streams are not water quality limited
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Educational use	• One or two safety hazards
Recreation	Potential use	• There is no maintained public access (e.g., no trails or boat access)
Aesthetic Quality	Moderately pleasing	• Primary noise comes from Highway 101 - adjacent to wetland

Narrative description of overall wetland functions and conditions

This wetland satisfies local significance criteria due to diverse wildlife habitat and intact fish habitat. It is between Hwy. 101 and the Pacific Ocean/beach. It is a diverse wetland complex that allows for treatment of overland flow before flowing into the ocean.

Function and Condition Summary Sheet for the Oregon Method

Wetland Identification: 44

Function	Assessment Descriptor	Rationale
Wildlife Habitat	Provides habitat for some wildlife species	• Emergent vegetation dominates • Low interspersion
Fish Habitat	Impacted or degraded function	• Less than 20% of shoreline is shaded • Dam occurs downstream
Water Quality	Impacted or degraded function	• Low vegetative cover
Hydrologic Control	Impacted or degraded function	• Within flood plain
Sensitivity to Impact	Potentially sensitive	• Water is not removed/diked • Stream is not water quality limited
Enhancement Potential	High potential	• One or more functions is impacted or degraded
Education	Potential use	• One or two safety hazards • Wetland is on private property
Recreation	Potential use	• Unmaintained public access • Not trails, boat access
Aesthetic Quality	Moderately pleasing	• Continuous traffic noise from Hwy. 101 • Some removable visual detractors

Narrative description of overall wetland functions and conditions

This wetland is significant due to intact hydrologic control. Although it has been impacted it does provide potential habitat for waterfowl, amphibians, and reptiles. The dam, however, retains water allowing it increase in temperature which does not benefit fish species.

Appendix F - Routine Wetland Determination Data Forms

DATA FORM

ROUTINE WETLAND DETERMINATION

(1987 COE Wetlands Delineation Manual)

Project/Site: _____	Date: _____
Applicant/Owner: _____	County: _____
Investigator: _____	State: _____
Do Normal Circumstances exist on the site? ☐ Yes ☐ No	Community ID: _____
Is the site significantly disturbed (Atypical Situation?) ☐ Yes ☐ No	Transect ID: _____
Is the area a potential Problem Area? ☐ Yes ☐No (If needed, explain on reverse.)	Plot ID: _____

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). _____

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):

___Stream, Lake, or Tide Gauge
___Aerial Photographs
___Other

____No Recorded Data Available

_____

Field Observations:

Depth of Surface Water: _____(in.)

Depth to Free Water in Pit: _____(in.)

Depth to Saturated Soil: _____(in.)

Wetland Hydrology Indicators:

Primary Indicators:
____Inundated
____Saturated in Upper 12 inches
____Water Marks
____Drift Lines
____Sediment Deposits
____Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
____Oxidized Root Channels in Upper 12 inches
____Water Stained Leaves
____Local Soil Survey Data
____FAC-Neutral Test
____Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): _____

Drainage Class: _____

Taxonomy (Subgroup): _____

Field Observations
Confirm Mapped Type? ☐ Yes ☐ No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions Structure, etc.

Hydric Soil Indicators:

___Histosol
___Histic Epipedon
___Sulfidic Odor
___Aquic Moisture Regime
___Reducing Conditions
___Gleyed or Low-Chroma Colors
___Concretions
___High Organic Content in Surface Layer in Sandy Soils
___Organic Streaking in Sandy Soils
___Listed on Local Hydric Soils List
___Listed on National Hydric Soils List
___Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? ☐Yes ☐ No
Wetland Hydrology Present? ☐Yes ☐No
Hydric Soils Present? ☐ Yes ☐No

Is this Sampling Point Within a Wetland? ☐Yes ☐No

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: L1OW Transect ID: Plot ID: (1) TAX LOT # 3215 31D

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Typha latifolia	f/s	obl (30)	9.		
2. Nuphar polysepalum	f	obl (30	10.		
3. Carex obnupta	f	obl (10)	11.		
4. Scirpus acutus	f	obl (10)	12.		
5. Salix sp	s	fac-few (5)	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 5/5 100%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- Stream, Lake, or Tide Gauge
- X Aerial Photographs
- Other

__ No Recorded Data Available

Field Observations:

Depth of Surface Water: 15 (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: AT SURFACE (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- Saturated in Upper 12 Inches
- Water Marks
- ✓ Drift Lines
- Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- Oxidized Root Channels in Upper 12 Inches
- Water-Stained Leaves
- Local Soil Survey Data
- ✓ FAC-Neutral Test
- Other (Explain in Remarks)

Remarks: NORTH END OF GARRISON LAKE

SOILS

Map Unit Name (Series and Phase): Hebo silty clay loam (0-7%) Drainage Class: _____

Field Observations

Taxonomy (Subgroup): _____ Confirm Mapped Type? Yes (No)

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
15"		—	—	—	Rock/Gravel

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: NO PIT DUG - STANDING H_2O /

WETLAND DETERMINATION

			(Circle)
Hydrophytic Vegetation Present?	(Yes)	No	(Circle)
Wetland Hydrology Present?	(Yes)	No	
Hydric Soils Present?	(Yes)	No	
Is this Sampling Point Within a Wetland?	(Yes)	No	

Remarks:

STANDING H_2O 12-15" DEEP

EDGE OF WETLAND - STEEP ROAD EMBANKMENT
- EAST EDGE BREAK IN TOPO

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: UPL
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: (2)
(If needed, explain on reverse.)	TAX LOT # 3215 31D

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pinus contorta	T	FAC (30)	9.		
2. Polystichum munitum	F	FACU (20)	10.		
3. Gaultheria shallon	F	~~FACU~~ (20)	11.		
4. Pteridium aquilinum	F	FACU (20)	12.		
5. Quercus chrysolepis	S	NI (35)	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0/4 = 0%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0" (in.)
Depth to Free Water in Pit:	>18" (in.)
Depth to Saturated Soil:	>18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Drainage ditch adjacent to Paradise Point Rd

SOILS

Map Unit Name (Series and Phase): Ballards Ferrelo-Hebo complex Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations: 0-20% slope Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
12"			—	—	Rock/gravel/road material

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: — upland sample - road bed

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? (Circle) Yes (No)

Remarks: upland edge of Harrison Lake - west end of Northern Reach - Break in Topo defines WL boundary

Approved by HQUSACE 2/92

Jack D. Peter

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: UPL
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: (3)
(If needed, explain on reverse.)	Transect # 3Z 153 1AD

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Alnus rubra	S	FAC (30)	9.		
2. Cytisus scoparius	S	NI (35)	10.		
3. Holcus lanatus	F	FAC (20)	11.		
4. Daucus carota	F	NI (20)	12.		
5. ~~Agrostis~~ Poa sp	F	– (20)	13.		
6. Poa bulbosa	F	NI (15)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 2/2 ≃ 100 %

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: 0" (in.)

Depth to Free Water in Pit: >18" (in.)

Depth to Saturated Soil: >18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Steep slope along Rd.

SOILS

Map Unit Name
(Series and Phase): Ferrelo-Gearhart Complex Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes (No)

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
15"		—	—		Rock/Ground/Road Material (Sandy)

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Steep escarpment - edge of road

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	(Yes) No (Circle)	(Circle)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	Is this Sampling Point Within a Wetland? Yes (No)

Remarks: Eastern edge of PEM/PSS wetland wetland

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PSS Transect ID: Plot ID: (4) TAX LOT 3215 31 AD

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pinus contorta	T	FAC(30)	9.		
2. Salix sp.	S/T	FAC-FACW(10)	10.		
3. Alnus rubra	T	FAC(20)	11.		
4. Vaccinium ovatum	S	NI (10)	12.		
5. Spirea douglasii	S	FACW (20)	13.		
6. Rhododendron occid.	S	FAC(10)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 5/5 = 100%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	1-2'	(in.)
Depth to Free Water in Pit:	—	(in.)
Depth to Saturated Soil:	—	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): Hebo silty clay loam Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: NO DATA TAKEN— NO ACCESS

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (*Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks: Soil – mapped hydric
Hydrology/Veg – observed from Paradise Point Rd.
(*) Listed Hydric soil – presumed.

Approved by HQUSACE 2/92

Paul D Deets

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: (5) TAXLOT# 3215 31 AD

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Ammophila arenaria	F	FACU(30)
2. Abronia latifolia	F	NI (3)
3. Cakile edentula	F	FACU(5)
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0/3 = 0%

Remarks: bare ~~grass~~ ground — wave action.

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0" (in.)
Depth to Free Water in Pit:	>18" (in.)
Depth to Saturated Soil:	>18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ✓ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ✓ Local Soil Survey Data
- ✓ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: moisture below 6" — 3-4' above surf line.

SOILS

Map Unit Name (Series and Phase): Beaches

Drainage Class: _____

Taxonomy (Subgroup): _____

Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10"					Sand

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? (Circle) Yes (No)

Remarks:

Dune above High Tide Elevation

Approved by HQUSACE 2/92

Jack D. Dalke

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: [redacted] PEM
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID: 1
Is the area a potential Problem Area? Yes (No)	Plot ID: 6
(If needed, explain on reverse.)	TAX LOT# 32 15 32 AB

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Vaccinium ovatum	s	~~Fac~~ NI (40)	9.		
2. Potomogeton sp (natans?)	f	obl (60)	10.		
3. M. mulus guttatus	f	obl (10)	11.		
4. Nuphar polysepalum	f	obl (20)	12.		
5. Lysichitum americanum	f	obl (20)	13.		
6. Cicuta douglasii	f	obl (20)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 5/5 = 100%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	>3' (in.)
Depth to Free Water in Pit:	— (in.)
Depth to Saturated Soil:	AT SURFACE (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ___ Saturated in Upper 12 Inches
- ✓ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ✓ Local Soil Survey Data
- ✓ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Drainage under roadway - hydrology confined to channel - culvert connection.

SOILS

Map Unit Name (Series and Phase): Hebo silty clay loam

Drainage Class: _____

Taxonomy (Subgroup): _____

Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
					SEDIMENT: SAND, ROCK,

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ✓ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: NO PIT DUG - INUNDATION

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks: WETLAND CONFINED TO ℄ STREAM CHANNEL
SOUTHERN BANK - ROAD EMBANKMENT
E/W BANK - STEEP BANKS.

Approved by HQUSACE 2/92

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: UPL
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: (7)
(If needed, explain on reverse.)	TAX LOT # 3215 32 [illegible]

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Rhododendron occidentale	S	FAC (50)	9.		
2. Pinus Contorta	T	FAC (15)	10.		
3. Polystichum munitum	S	FACU (20)	11.		
4. Lonicera involucrata	S	FAC+ (35)	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). [illegible]

Remarks: 3/4 ≥ 75%.

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water:	— (in.)
Depth to Free Water in Pit:	>18" (in.)
Depth to Saturated Soil:	>18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): NELSCOTT - DEPOE - BULLARDS COMPLEX Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
10"					Rock, gravel, sand

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? Yes (No) (Circle)

Remarks: LACKS HYDROLOGY, SOIL INDICATORS
VEGETATION - EDGE OF WETLAND.

Approved by HQUSACE 2/92

Jack D. Rath

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? (Yes) No Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PSS Transect ID: Plot ID: (8) TAX LOT # 3275 32C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. ~~Alnus rubra~~			9.		
2. Lysichtum americanum	F	OBL (70)	10.		
3. Athyrium felix-femina	F	FAC (50)	11.		
4. Alnus rubra	T/S	FAC (50)	12.		
5. Rhamnus purshiana	T/S	FAC- (10)	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 3/4 = 75%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 5-10 (in.)

Depth to Free Water in Pit: surface 0" (in.)

Depth to Saturated Soil: 0" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Confined to basin of drainage -

SOILS

Map Unit Name
(Series and Phase): NELSLOT- DEPOE - BULLARDS COMPLEX Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
					SEDIMENT: Sand, cobbles

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ✓ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: INUNDATION — NO PIT DUG

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

(Circle)
Is this Sampling Point Within a Wetland? (Yes) No

Remarks:

INUNDATION: Narrow channels/braided
Vegetation: Dense Shrub layer — more so than wetland ~~on~~ North of Parachute Pt. Rd

Approved by HQUSACE 2/92

Jack D. Parker

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: UPL/BS
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: (9)
(If needed, explain on reverse.)	TAX LOT # 32 15 32C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Alnus rubra	T	FAC (25)	9.		
2. Pteridium aquilinum	F	FACU (45)	10.		
3. Pinus contorta	T	FAC (20)	11.		
4. Vaccinium oratum	S	NI (20)	12.		
5. Lonicera involucrata	S	FAC+ (20)	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 2/4 ≅ 50%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	NONE (in.)
Depth to Free Water in Pit:	>18" (in.)
Depth to Saturated Soil:	>18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test (*)
- ___ Other (Explain in Remarks)

Remarks: (*) Does not pass Fac-Neutral Test

SOILS

Map Unit Name (Series and Phase): NELSCOT - DEPOE - BULLARDS COMPLEX Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10"		10YR 4/3			Sandy/gravel
10-12"		10YR 3/2			gravel/loam (road material

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Sample plot - disturbed soil

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No)	(Circle)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	
Is this Sampling Point Within a Wetland?	Yes (No)	(Circle)

Remarks:

Approved by HQUSACE 2/92

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PEM Transect ID: Plot ID: 10 TAXLOT # 32 15 32C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Carex obnupta	F	obl (95)	9.		
2. Nuphar polysepalum	F	obl (10)	10.		
3. Lonicera	S	FAC (15)	11.		
4. ~~Salix~~			12.		
5. Spirea douglasii	S	FACW (15)	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 4/4 = 100%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 18" (in.)

Depth to Free Water in Pit: ___ (in.)

Depth to Saturated Soil: ___ (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ✓ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ✓ Local Soil Survey Data
- ✓ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): NEGO SILTY CLAY LOAM Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-6"		10YR 2/2			Organics, clay, sand.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ✓ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

(Circle)
Is this Sampling Point Within a Wetland? (Yes) No

Remarks:
PEM - Edge of Garrison Lake.

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LW1	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: UPL/PEM
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 10
(If needed, explain on reverse.)	TAX LOT # 3215 32C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Myrica californica	S	(50)	9.		
2. ~~Alnus rubra~~		E	10.		
3. Polystichum munitum	F	NI (20)	11.		
4. Lonicera involucrata	S	FAC (30)	12.		
5. Vaccinium ovatum	S	NI (10)	13.		
6. Rubus discolor	S	~~FACW~~ (60)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 1/2 = 50%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: ——— (in.)

Depth to Free Water in Pit: >12" (in.)

Depth to Saturated Soil: >12" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): NELSCOT - DEPOE - BULLARDS COMPLEX Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12"		10YR 4/4	—	—	Sandy ~~[illegible]~~ 20 ≈ 80% clay ~ 5mm a. 20%

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No) (Circle)	(Circle)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	Is this Sampling Point Within a Wetland? Yes (No)

Remarks: Edge of Lake Hydrology

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PEM Transect ID: Plot ID: 12 TAYLOR# 3215297

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Lysithitum amer.	f	obl (70)
2. Scirpus microcarpus	f	obl (20)
3. Carex obnupta	f	obl (10)
4. Athyrium felix-femina	f	Fac (5)
5. Eleocharis palustris	f	obl (20)
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 5/5 = 100%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	12"	(in.)
Depth to Free Water in Pit:	H"	(in.)
Depth to Saturated Soil:	9"	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ✓ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): HEBO SILTY CLAY LOAM Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9-12"		10YR 3/2			Streaking - sand layer
					Sand, high organic
					content.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ✓ High Organic Content in Surface Layer in Sandy Soils
- ✓ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: pit within 1.5 foot of channel - bank staturated bench formed 2' above existing H_2O level - ~~hydric~~

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	(Yes) No (Circle)	(Circle)
Wetland Hydrology Present?	(Yes) No	
Hydric Soils Present?	(Yes) No	Is this Sampling Point Within a Wetland? (Yes) No

Remarks: Wetland hydrology - standing H_2O.
High level of Organics/ sediment w/in channel.

Approved by HQUSACE 2/92

Jack D. Dale

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 13 TAYLOT#32 15 29D

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Rhamnus purshiana	S	FAC- (10)	9.		
2. Lonicera involucrata	S	FAC+ (10)	10.		
3. Picea sitchensis	T	FAC (5)	11.		
4. Alnus rubra	T	FAC (20)	12.		
5. Ilex europaeus	S	NI (5)	13.		
6. ~~Gaul~~ Cytisus scop.	S	NI (15)	14.		
7. Ceanothus thyrsiflorus	S	NI (5)	15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 3/4 ≈ 75%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: 0" (in.)

Depth to Free Water in Pit: >18" (in.)

Depth to Saturated Soil: >18" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): XIELSLOT - DEPOE - BULLARDS COMPLEX

Drainage Class: _____

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): _____

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-7"		10YR3/4		light mottles	sand, gravel, clay
>9"					Rock, gravel

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? (Circle) Yes (No)

Remarks:

upland along drainage - outside channel

Approved by HQUSACE 2/92

Jack O. Death

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PEM/PFO Transect ID: ___ Plot ID: 14 TAX LOT # 3215 E9D

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Alisma plantago-aq.	f	obl (30)	9.		
2. Carex obnupta	f	obl (60)	10.		
3. Alnus rubra	T	fac (30)	11.		
4. Lysichitum americanum	f	obl (5)	12.		
5. Eleocharis palustris	f	obl	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 5/5 100%

Remarks: Riparian veg along open water channel.

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 6"-18" (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ✓ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Channel - riparian veg along edge of saturation

SOILS

Map Unit Name (Series and Phase): HEBO SILTY CLAY LOAM. Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9-12"		10YR 3/2	10YR 5/6	upper 6" large (.5 mm)	gravel, rock

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Yes) No (Circle)

Remarks:

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: UPL
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 15
(If needed, explain on reverse.)	TAX LOT # 3215290

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pseudotsuga menziesii	+	FACU (50)	9.		
2. Picea sitchensis	+	fac (10)	10.		
3. Gaultheria shallon	S	FACU (60)	11.		
4. Rhamnus purshiana	+/S	fac- (20)	12.		
5. Alnus rubra	+	fac (50)	13.		
6. Myrica californica	+/S	facw (10)	14.		
7. Lonicera involucrata	S	fac+ (10)	15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 4/7 ≈ 57%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: N/A (in.)

Depth to Free Water in Pit: >18" (in.)

Depth to Saturated Soil: >18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): NELSCOT-DEPOE-BULLARDS Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
					Road Gravel

Hydric Soil Indicators:

road fill

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Access - limited to roadway along Silver Butte Ln.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? Yes (No) (Circle)

Remarks: Lacks hydrology / soils — veg marginal

Approved by HQUSACE 2/92

Jack D. Dubta

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: [redacted] PEM Transect ID: Plot ID: 16 TAX LOT # 3215 [redacted] 29D

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Carex obnupta	f	obl (95)	9.		
2. Lysichitum amer.	f	obl (15)	10.		
3. Alnus rubra	+	fac (10)	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 3/3 = 100%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	16"	(in.)
Depth to Free Water in Pit:	—	(in.)
Depth to Saturated Soil:	—	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Drainage - Culvert connection under HWY 101

SOILS

Map Unit Name (Series and Phase): HEBO SILTY CLAY LOAM Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-9"		10YR 4/2	10YR 5/6	upper 2-4"	sand, si. lt, 30% organics
9-12"		10YR 2/2			

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ✓ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks:

Saturated along drainage 150' wide
Confined to channel.

Approved by HQUSACE 2/92

Jack D. Davis

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: UPL
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 17
(If needed, explain on reverse.)	TAXLOT# 3215 3[illegible]

29D

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pseudotsuga menziesii	+	FACU(70)	9.		
2. Chamaecyparis lawsoniana	+	facw+(10)	10.		
3. Picea sitchensis	+	fac (10)	11.		
4. Gaultheria shallon	+S	FACU(40)	12.		
5. Vaccinium ovatum	S	UE (10)	13.		
6. Myrica californica	S/+	facw (10)	14.		
7. Alnus rubra	+	fac (10)	15.		
8. Polystichum munitum	S/+	facu (10)	16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 3/7 = 42%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water:	N/A	(in.)
Depth to Free Water in Pit:	>18"	(in.)
Depth to Saturated Soil:	>18"	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): NELSCOT-DEPOE-BULLARDS COMPLEX. Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9+		10YR 4/4 (dry)			
		10YR 4/3 (moist)			

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Above channel 3'

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No) (Circle)		(Circle)
Wetland Hydrology Present?	Yes (No)	Is this Sampling Point Within a Wetland?	Yes (No)
Hydric Soils Present?	Yes (No)		

Remarks: Above / outside channel > Coniferous forest Community

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PEM Transect ID: ____ Plot ID: 18 TAX LOT # 3215 32 #A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Nuphar polysepalum	f	obl (20)	9.		
2. Carex obnupta	f	obl (40)	10.		
3. Phragmites communis	f	facw+ (40)	11.		
4. Lysichitum americanum	f	obl (5)	12.		
5. Scirpus acutis	f	obl (20)	13.		
6. Spirea douglasii	s	facw+ (10)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 6/6 = 100%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 18" (in.)

Depth to Free Water in Pit: ____ (in.)

Depth to Saturated Soil: ____ (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): HEBO —

Drainage Class: _____

Taxonomy (Subgroup): _____

Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: NO DATA TAKEN — CLEAR ~~BE~~ SHARP BREAK IN TOPO BTW INUNDATION — UPL

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks: INUNDATION

Approved by HQUSACE 2/92

Jack D. Dorte

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 19 TAX LOT # 32 15 32 DA

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Arbutus menziesii	S	NI (30)
2. Ceanothus thyrsiflorus	S	NI (10)
3. Pseudotsuga menziesii	T	FACU (30)
4. Lithocarpus densiflora	T/S	NI (30)
5. Arctostaphylos hispidula	S	NI (20)
6. Rhododendron macrophyllum	S	NI (5)
7. Alnus rubra	T	FAC (10)
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 1/5 = 20%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water:	—	(in.)
Depth to Free Water in Pit:	>18"	(in.)
Depth to Saturated Soil:	>18"	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): BULLARDS-BANDON-WADECREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"-12"		10YR3/4	-	-	Sand/silt/sm pebbles

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

(Circle)
Is this Sampling Point Within a Wetland? Yes (No)

Remarks:

Approved by HQUSACE 2/92

Jack D. Dutton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: PABH
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 20
(If needed, explain on reverse.)	TAX LOT # 33155AB (lot 2)

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
*1. Potomogeton sp	f	obl (70)	9.		
2. Typha latifolia	s	obl (5)	10.		
3. Salix sp.	s	FAC-FACW(5)	11.		
*4. Nuphar polysepalum	f	obl (70)	12.		
5. Carex ~~obt~~ obnupta	f	obl (10)	13.		
6. Lonicera involucrata	s	fac+(5)	14.		
7. Alnus rubra	t/s	fac (5)	15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 7/7 = 100%

Remarks:

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations:

- Depth of Surface Water: 12-18" (in.)
- Depth to Free Water in Pit: — (in.)
- Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ___ Saturated in Upper 12 Inches
- ✓ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Northern edge of hydrology - Road.
- open water edge.

SOILS

Map Unit Name (Series and Phase): HEBO SILTY CLAY LOAM Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: No Data — Inundation

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No — presumed

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks: Wetland boundary: 18th St North
Idaho St East

Approved by HQUSACE 2/92

Jack D. Roth

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: PEM/OW
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 21
(If needed, explain on reverse.)	TAXLOT # 33155BA

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Potomogeton sp	f	obl (7)	9.		
2. Typha latifolia	f/s	obl (5)	10.		
3. Nuphar polycepalum	f	obl (10)	11.		
4. Carex obnupta	f	obl (1)	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 4/4 = 100%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 2' (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ___ Saturated in Upper 12 Inches
- ✓ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): BULLARDS-BANDON-NADERCREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"					Mucky, organics
>9"					rock / pavement

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	(Yes)	No	(Circle)
Wetland Hydrology Present?	(Yes)	No	
Hydric Soils Present?	(Yes)	No	

Is this Sampling Point Within a Wetland? (Yes) No (Circle)

Remarks:

Approved by HQUSACE 2/92

Jack D. Dale

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: UPL
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 22
(If needed, explain on reverse.)	TAX LOT # 3315 5BA

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pinus contorta var cont.	+	fac (40)	9.		
2. Pseudotsuga menziesii	+	FACU (20)	10.		
3. Cytisus scoparius	s	NI (40)	11.		
4. Pteridium aquilinum	f	facu (80)	12.		
5. Gaultheria shallon	s	FACU (30)	13.		
6. Polystichum munitum	s	facu (20)	14.		
7. Hedera helix	s/v	NI (60)	15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 1/5 = 20%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations: N/A

Depth of Surface Water: ~~N/A~~ (in.)

Depth to Free Water in Pit: > 18" (in.)

Depth to Saturated Soil: > 18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): BULLARDS-BANDON-WADECREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
8-12"		10YR 4/4	5/6 N/A	NONE	Sand 90%, Organic 10% NO

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: NO streaking - well drained

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? (Circle) Yes (No)

Remarks:

Approved by HQUSACE 2/92

Jack D. Deaton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? (Yes) No Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PFO Transect ID: Plot ID: 23 TAYLOT # 3315 5BA

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Lysichitum americanum	F	OBL (35)	9.		
2. Carex obnupta	F	OBL (85)	10.		
3. Salix lasiandra	T	FACW (5)	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 3/3 = 100 %

Remarks:

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - Other
- No Recorded Data Available

Field Observations:

- Depth of Surface Water: 0" (in.)
- Depth to Free Water in Pit: 9" (in.)
- Depth to Saturated Soil: 5" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- Inundated
- ✓ Saturated in Upper 12 Inches
- ✓ Water Marks
- Drift Lines
- Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- Oxidized Root Channels in Upper 12 Inches
- ✓ Water-Stained Leaves
- Local Soil Survey Data
- ✓ FAC-Neutral Test
- Other (Explain in Remarks)

Remarks: Narrow drainage - one of several fingers on south end of PEM wetland.

SOILS

Map Unit Name (Series and Phase): BULLARDS - BANDON - WADECREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"		10YR 2/1			

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ✓ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ✓ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

(Circle)
Is this Sampling Point Within a Wetland? (Yes) No

Remarks:

Forested Wetland — rough mapping of multiple "fingers" of drainages.

Approved by HQUSACE 2/92

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: WPL Transect ID: Plot ID: 24 TAXLOT# 3315 5BA

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Gaultheria shallon	S	~~FACU~~ (45)	9.		
2. Rhododendron occidentale	T	FAC (65)	10.		
3. Vaccinium ovatum	S	NI (25)	11.		
4. Rubus spectabilis	S	FAC (20)	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 2/3 = 66%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ✓ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water: ~~N/A~~ (in.)

Depth to Free Water in Pit: >18" (in.)

Depth to Saturated Soil: >18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): BULLARDS-BANDON-WADECREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9-12"		10YR 3/4			Sandy, organics silt

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (#) No (Circle)	
Wetland Hydrology Present?	Yes No	
Hydric Soils Present?	Yes (No)	Is this Sampling Point Within a Wetland? Yes (No) (Circle)

Remarks:

Upland along drainage — break in topography / vegetation sharp

(#) Marginal veg —

Approved by HQUSACE 2/92

Jack D. Dutt

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PEM Transect ID: Plot ID: 25 TAXLOT 3315 5BA

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Nuphar polysepelum	f	obl (10)	9.		
2. Carex obnupta	f	obl (10)	10.		
3. Scirpus acutus	f	obl (20)	11.		
4. Phragmites communis	f	facw+(50)	12.		
5. Spiraea douglassii	s	facw (10)	13.		
6. Cicuta douglassii	f	obl (5)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 6/6 - 100%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 2-3' (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ✓ Saturated in Upper 12 Inches
- ✓ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ✓ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): HEBO SILTY LOAM/LOAM Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: NO DATA TAKEN — INUNDATION

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Yes) No (Circle)

Remarks:

North edge of wetland – Lake Shore Drive
Southern edge – DPO wetland
E/W edges – private property – delineated from aerials.

Approved by HQUSACE 2/92

Jack D. Dakes

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PEM Transect ID: Plot ID: 26 TAX LOT # 33155BC

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Eleocharis sp	f	obl (80)	9.		
2. Alnus rubra	t	fac (60)	10.		
3. Lemna sp	f	obl (40)	11.		
4. Carex obnupta	f	obl (10)	12.		
5. Myrica californica	s	facw (10)	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 5/5 = 100%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 2' (in.)

Depth to Free Water in Pit: _____ (in.)

Depth to Saturated Soil: _____ (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ✓ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): BULLARDS - BANDON - WADECREEK Drainage Class: _____

Field Observations

Taxonomy (Subgroup): _____ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

NO DATA TAKEN - INUNDATION

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

(Circle)
Is this Sampling Point Within a Wetland? (Yes) No

Remarks:

Edge of Open water - Scrub/tree component extensive emergent community w/in 2' of Lake & substrate

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LW1	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: UPL
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 27
(If needed, explain on reverse.)	TAX LOT # 3315 5BC

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Gaultheria shallon	S	~~FACW~~ (40)
2. Vaccinium ovatum	S	NI (50)
3. Myrica californica	S/T	FACW (40)
4. Picea sitchensis	T	FAC (40)
5. Alnus rubra	T	FAC (40)
6. Rhododendron macrophyllum	T	NI (10)
7.		
8.		

Dominant Plant Species	Stratum	Indicator
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 3/5 = 60%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0" (in.)
Depth to Free Water in Pit:	>18" (in.)
Depth to Saturated Soil:	>18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:
Above high water marks.

SOILS

Map Unit Name
(Series and Phase): BULLARDS-BALDON-WADE CREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"		10YR2/2			organic, sand

Hydric Soil Indicators:

___ Histosol
___ Histic Epipedon
___ Sulfidic Odor
___ Aquic Moisture Regime
___ Reducing Conditions
___ Gleyed or Low-Chroma Colors
___ Concretions
___ High Organic Content in Surface Layer in Sandy Soils
___ Organic Streaking in Sandy Soils
___ Listed on Local Hydric Soils List
___ Listed on National Hydric Soils List
___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? (Circle) Yes (No)

Remarks: Riparian Edge - upland edge - lacks soil/hydrology

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PSD1 Transect ID: Plot ID: 28 TAX LOT # 3315BC

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Typha latifolia	E/S	obl (20)	9. Rorripa nasturtium-	E	obl (50)
2. Lonicer involucrata	S	fact (20)	10. aquaticum		
3. Lysichitum americanum	E	obl (15)	11. Lemna sp	E	obl (40)
4. Alnus rubra	+	fac (40)	12.		
5. Myrica californica	S/+	facw (10)	13.		
6. Phragmites communis		facwt (20)	14.		
7. Salix sp.	+/S	fac-facw (20)	15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 9/9 = 100%

Remarks:

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations:

- Depth of Surface Water: >2' (in.)
- Depth to Free Water in Pit: Surf 0" (in.)
- Depth to Saturated Soil: Surf 0" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ___ Saturated in Upper 12 Inches
- ✓ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): HEBO SILTY CLAY LOAM Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
12"-24"					gravel/muck

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

along Road - road bed gravel

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks:

WL continues east of California St. - Same wetland community - bisected by road.

Approved by HQUSACE 2/92

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (NO) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 29 TAXLOT # 3315 5BC

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Lithocarpus dens-florus	S	NI (20)	9.		
2. Pseudotsuga menziesii	T	~~FACU~~ (40)	10.		
3. Rhamnus purshiana	S	fac- (2)	11.		
4. Cytisus scoparius	S	NI (10)	12.		
5. Rubus discolor	S	fac- (10)	13.		
6. Vaccinium ovatum	S	fac+ (5)	14.		
7. Myrica californica	S/T	FACW	15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 2/6 = 33%

Remarks: Dense RubDis edge along road > Forested

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: 0" (in.)

Depth to Free Water in Pit: >18" (in.)

Depth to Saturated Soil: >18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): BULLARDS DAMIDON-WADE CREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
12"		10YR 3/3	—	—	silt / organics ↳ ≈ 100%

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Sample taken along road cut

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No)	(Circle)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	
Is this Sampling Point Within a Wetland?	Yes (No)	(Circle)

Remarks:

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: PSS/EM
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 30
(If needed, explain on reverse.)	TAX LOT# 3315 587 AC

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Juncus effusis	f	facw (20)	9.		
2. Lysichitum americanum	f	obl (30)	10.		
3. Alnus rubra	+	fac (20)	11.		
4. Lonicera involucrata	s	facw (10)	12.		
5. Carex obnupta	f	obl (20)	13.		
6. Salix sp fac-facw	t/s	FACW (10)	14.		
7. Athyrium felix femina	s	fac (5)	15.		
8. Rhamnus purshiana	t/s	fac- (5)	16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 7/8 = 88%

Remarks:

HYDROLOGY

- (✓) Recorded Data (Describe in Remarks):
  - ( ) Stream, Lake, or Tide Gauge
  - (✓) Aerial Photographs
  - ( ) Other
- ( ) No Recorded Data Available

Field Observations:

- Depth of Surface Water: 12" (in.)
- Depth to Free Water in Pit: — (in.)
- Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- (✓) Inundated
- ( ) Saturated in Upper 12 Inches
- ( ) Water Marks
- ( ) Drift Lines
- ( ) Sediment Deposits
- (✓) Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ( ) Oxidized Root Channels in Upper 12 Inches
- ( ) Water-Stained Leaves
- ( ) Local Soil Survey Data
- ( ) FAC-Neutral Test
- ( ) Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): BULLARDS - BANDON - WADECREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"		10YR3/2	10YR5/6		organics/sand

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Yes) No (Circle)

Remarks: Edge of wetland bordered by sandstone outcrop - sharp break in topo from flat floodplain to rock/slope.

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 31 TAX LOT# 3315 5BD AC

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Polystichum munitum	s/c	Facu (3)	9.		
2. Salix sp.	s/t	(Facw) (3)	10.		
3. Gaultheria shallon	s	FACU (3)	11.		
4. Umbellularia californica	s/t	fac-(5)	12.		
5. Thuja plicata	t	facw (5)	13.		
6. Rhamnus purshiana	t/s	fac-(5)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 1/6 = 17%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0 ft (in.)
Depth to Free Water in Pit:	>18" (in.)
Depth to Saturated Soil:	>18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): SHALES HEAD - REGENSPORT Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-2"					Sandstone outcrop organics
>2"	— Same				

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

(Circle)
Is this Sampling Point Within a Wetland? Yes (No)

Remarks:

Steep slope / rock outcrop adjacent to wetland.

Approved by HQUSACE 2/92

Joel D. Duth

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PSS Transect ID: Plot ID: 37 TAXLOT # 3315SAC

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salix Scouleri	T/S	FACW(60)	9.		
2. Lysichitum americanum	F	OBL(20)	10.		
3. Agrostis alba	F	FAC(10)	11.		
4. Carex obnupta	F	OBL(10)	12.		
5. Alnus rubra	T	FAC(10)	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 100%

Remarks:

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - Other
- No Recorded Data Available

Field Observations:

- Depth of Surface Water: ≃ 12" (in.)
- Depth to Free Water in Pit: — (in.)
- Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- Inundated
- Saturated in Upper 12 Inches
- ✓ Water Marks
- Drift Lines
- Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- Oxidized Root Channels in Upper 12 Inches
- Water-Stained Leaves
- ✓ Local Soil Survey Data
- ✓ FAC-Neutral Test
- Other (Explain in Remarks)

Remarks: # Hydrology confined to narrow channel ≃ 50' wide

SOILS

Map Unit Name
(Series and Phase): BULLARD-BANDON-WADE CREEK Drainage Class: _____

Field Observations

Taxonomy (Subgroup): _____ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

(Circle)
Is this Sampling Point Within a Wetland? (Yes) No

Remarks:

No access permitted on most of wetland. Indicators recorded by observation from road. wetland within drainage primarily - mapped from aerials.

Approved by HQUSACE 2/92

Jack D. Dobbs

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: WPL Transect ID: Plot ID: 33 TAX LOT #3315 5 AC

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Alnus rubra	T	FAC(40)	9.		
2. Picea major	T	FAC(30)	10.		
3. Rubus discolor	S/V	FACU(25)	11.		
4. Polygonum cuspidatum	S	NI (20)	12.		
5. Holcus lanatus	T	FAC (20)	13.		
6. Cytisus scoparius	S	FACU (15)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 3/6 = 50%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	N/A	(in.)
Depth to Free Water in Pit:	>18"	(in.)
Depth to Saturated Soil:	>18"	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: top of bank - outside of drainage

SOILS

Map Unit Name
(Series and Phase): BULLARDS - BAYDON - WADECREEK Drainage Class: _____

Field Observations

Taxonomy (Subgroup): _____ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-9"		—	—	—	road fill

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

(Circle)
Is this Sampling Point Within a Wetland? Yes (No)

Remarks:

wetland edge along roadway

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: [redacted] PEM
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 34
(If needed, explain on reverse.)	TAX LOT # 3315 5AA

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Lysichitum americanum	f	obl (60)	9.		
2. Salix sp.	s/t	fac-facw (20)	10.		
3. Scirpus microcarpus	f	obl (20)	11.		
4. Carex obnupta	f	obl (20)	12.		
5. Cicuta douglasii	f	obl (5)	13.		
6. Epilobium glandulosum	f	NI (5)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 5/5 = 100 %

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	12-18" (in.)
Depth to Free Water in Pit:	_____ (in.)
Depth to Saturated Soil:	_____ (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Culvert under Tichenor Ave - connection to wetland east of Tichenor Easement

SOILS

Map Unit Name (Series and Phase): BULLARDS - FERRALO - HERBO Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
Surface	—				Sand muck

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ✓ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Data taken adjacent to narrow trail in Tichenor Ave easement.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) (No)

Remarks: narrow wetland along drainage - east end undefined - access denied

(B) [~~Off-site Determination~~ - AERIALS]

Approved by HQUSACE 2/92

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: ____ Plot ID: 35 TAX LOT#3315 SAA

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pseudotsuga menziesii	t	~~FAC~~ (30)	9. Lithocarpus densiflorus	s/t	NI (20)
2. Picea sitchensis	t	fac (30)	10.		
3. Alnus rubra	t	fac (20)	11.		
4. Umbellularia californica	t	fac- (5)	12.		
5. ~~Plantago portlandica~~			13.		
6. Rhododendron macr.	s	fac (5)	14.		
7. Cytisus scoparius	s	NI (5)	15.		
8. Athyrium felix-femina	f	fac (20)	16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 4/8 = 50%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water:	____ (in.)
Depth to Free Water in Pit:	>18" (in.)
Depth to Saturated Soil:	>18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: upland adjacent to wetland - roads / fill areas

SOILS

Map Unit Name (Series and Phase): BULLARDS - FERRALO - HEBO Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
Surface					gravel / fill

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

(Circle)
Is this Sampling Point Within a Wetland? Yes (No)

Remarks: Wetland boundary defined by roads / fill area — delineation taken from aerials

Approved by HQUSACE 2/92

John D. Dutton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: ~~PEM~~ PFO
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 36
(If needed, explain on reverse.)	TAXLOT# 3315 5AA

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Alnus rubra	+	fac (60)	9.		
2. Lonicera involucrata	s	fact (20)	10.		
3. Juncus effusus	h	facw (10)	11.		
4. Lysichitum americanum	f	obl (5)	12.		
5. Blechnum spicant	f/s	fact (5)	13.		
6. Athyrium felix-femina	f/s	fact (5)	14.		
7. Scirpus microcarpus	f	obl (5)	15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 100 %

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: 4-6" (in.)

Depth to Free Water in Pit: _____ (in.)

Depth to Saturated Soil: (*) 4" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ✓ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ✓ Water-Stained Leaves
- ___ Local Soil Survey Data
- ✓ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: (*) edge of open water area
Road (Jetty Road) fill retaining OW uphill

SOILS

Map Unit Name (Series and Phase): FERRELO - GEARHART

Drainage Class:

Taxonomy (Subgroup):

Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-9"		10YR3/2	10YR		Sandy silt, organics
		5G4 6/1			

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ✓ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ✓ High Organic Content in Surface Layer in Sandy Soils
- ✓ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: plot along road - ± detained drainage

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	(Yes)	No	(Circle)
Wetland Hydrology Present?	(Yes)	No	
Hydric Soils Present?	(Yes)	No	

Is this Sampling Point Within a Wetland? (Yes) No (Circle)

Remarks:

Small ephemeral drainages in area
Small perched W.L up hill of Jefferson St.
Longer drainage down slope - unknown
Palustrine wetland in small pockets (PFO, PSS) route.

Approved by HQUSACE 2/92

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LW1 Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: WPL Transect ID: Plot ID: 37 TAX LOT# 3315 5AA

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Rhamnus purshiana	s/t	fac- (50)	9.		
2. Picea sitchensis	t	fac (20)	10.		
3. Gaultheria shallon	s	facu (50)	11.		
4. Vaccinium ovatum	s	NI (20)	12.		
5. Myrica californica	s/t	facw (10)	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 2/4 = 50%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ✓ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0" (in.)
Depth to Free Water in Pit:	>18" (in.)
Depth to Saturated Soil:	>18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: outside drainage

SOILS

Map Unit Name (Series and Phase): FERRELO - HEARHART, Drainage Class: _____

Field Observations

Taxonomy (Subgroup): _____ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-9"		~~10YR 6/6~~ 10YR 6/6	← 7.5YR 6/8		Sand/loam - 1% no mottling

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No)	(Circle)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	
Is this Sampling Point Within a Wetland?	Yes (No)	(Circle)

Remarks: upl forest along ephemeral drainages.

Approved by HQUSACE 2/92

Jack D. Dale

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: [redacted]
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID: PFO
Is the area a potential Problem Area? Yes (No)	Plot ID: 38
(If needed, explain on reverse.)	TAX LOT # 3315 5AA

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Lysichitum americanum	f	obl (60)	9.		
2. Carex obnupta	f	obl (60)	10.		
3. Blechnum spicant	f	fac+ (10)	11.		
4. Alnus rubra	t	fac (80)	12.		
5. Pseudotsuga menziesii	t	FACU (10)	13.		
6. Rubus spectabilis	s	fac+ (40)	14.		
7. Rhamnus purshiana	t	fac- (20)	15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 5/7 = 71%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	—	(in.)
Depth to Free Water in Pit:	—	(in.)
Depth to Saturated Soil:	7"	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ✓ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ✓ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): FERRELO-GOTHART Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
7-12"		10YR2/2	10YR6/8		silt, organics

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks: POCKETS OF Palustrine Forested wetland - pseudo-drainage [Wetland Asso w/ Riverine system] - perched wide area 75' across

Approved by HQUSACE 2/92

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: UPL
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 39
(If needed, explain on reverse.)	TAXLOT# 3215 [redacted] 5AA

(Corner - survey marker taxlot 3315 5AA)

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Pseudotsuga menziesii	+	FACU(70)
2. L. thlocarpus densiflora	t/s	NI (10)
3. Polystichum munitum	f/s	facu (30)
4. Gaultheria shallon	s	facu (30)
5. Alnus rubra	+	fac (30)
6. Rhamnus purshiana	s/t	fac-(40)
7.		
8.		

Dominant Plant Species	Stratum	Indicator
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 1/5 = 20%

Remarks:

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations:

- Depth of Surface Water: 2" (in.)
- Depth to Free Water in Pit: — (in.)
- Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Drainage - w/ flow <1 cfs

SOILS

Map Unit Name (Series and Phase): FERRELO-GEARHART Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"		10YR 2/2	~~10YR~~ 7.5YR 6/8		silt loam

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ___ Concretions
- ✓ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Yes) No (Circle)

Remarks: Large drainage - broad flood plain

Approved by HQUSACE 2/92

Jack O. Dent

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI
Applicant/Owner: PORT ORFORD
Investigator: J. DALTON / S. LATIMER

Date: July 95
County: CURRY
State: OR

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? Yes (No)
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID: [redacted] PFO
Transect ID:
Plot ID: 40
TAXLOT# 3315 5AA

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Carex obnupta	f	obl (60)
2. Lysichiton americana	f	obl (60)
3. ~~Rhus Rubus spectabilis~~		
4. Rubus spectabilus	s	fact (40)
5. Blechnum spicant	f	fact (10)
6. Acer macrophyllum	t	~~fac~~ facu (20)
7. Alnus rubra	t	fac (40)
8. Rhamnus purshiana	t/s	fac- (10)
9. Salix sp.	fac-facw-obl	(20)
10. Umbellularia cal.	t/s	fac- (10)
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 6/9. = 66%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
✓ No Recorded Data Available

Field Observations:
Depth of Surface Water: > 12" (in.)
Depth to Free Water in Pit: — (in.)
Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): FERRELO GEARHART. Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"		10YR 4/4	—	—	silty sandloam

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

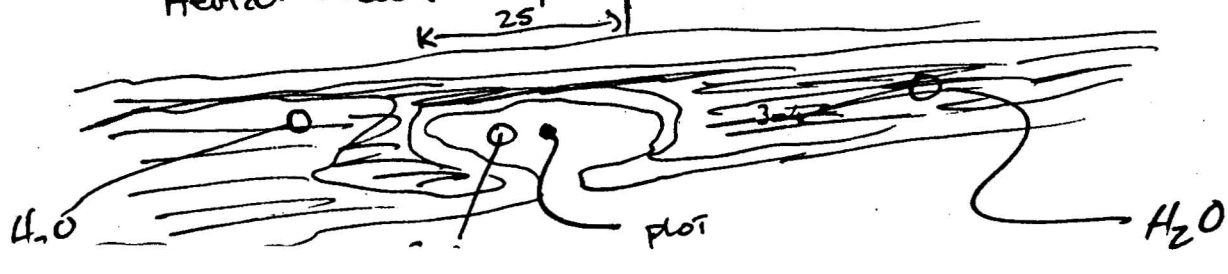
Hydrophytic Vegetation Present?	Yes (No) (Circle)	(Circle)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	Is this Sampling Point Within a Wetland? Yes (No)

Remarks:

small upland berm surrounded by large drainage — CAROSN / LYSAME } wetland drainage data plot #39.

Approved by HQUSACE 2/92

Aerial View:



DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: REM Transect ID: Plot ID: #1 TAXLOT # 3215 29A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Digitalis purpurea	f	facu (20)	9.		
2. Rubus discolor	s	facu (20)	10.		
3. Ulex europaeus	s	NL (20)	11.		
4. Ceanothus thrysoflorus	s	upl (20)	12.		
5. Holcus lanatus	f	fac (70)	13.		
6. Carex obnupta	f	obl (30)	14.		
7. Rubus ursinus	s	facu (60)	15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 2/7 ≃ 28%

Remarks: Carex obnupta is localized to a small area, probably ~~season~~ seasonally saturated.

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0"	(in.)
Depth to Free Water in Pit:	>18"	(in.)
Depth to Saturated Soil:	>18"	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ✓ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ✓ Water-Stained Leaves
- ___ Local Soil Survey Data
- ✓ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: evidence of flow/ standing water
Prop. owner says water flows through in storm events

SOILS

Map Unit Name (Series and Phase): BULLARD-BANDON-WADECREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-9"		10YR3/2	~~10~~ 5YR 5/8	Light/finely distributed throughout	silt, w/ clay content

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: depression contains some clay content -

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	~~Yes~~ No (Circle)	(Circle)
Wetland Hydrology Present?	(Yes) No	
Hydric Soils Present?	(Yes) No	Is this Sampling Point Within a Wetland? (Yes) No

Remarks: ephemeral stream - possible non-wetland if hydrology is not persistent 5yrs in 10 - mapped

Approved by HQUSACE 2/92

VEG - Marginal - only w/in small pockets along stream channel.

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI
Applicant/Owner: PORT ORFORD
Investigator: J. DALTON / S. LATIMER

Date: July 95
County: CURRY
State: OR

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? Yes (No)
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID: PSS/EM
Transect ID:
Plot ID: 42
TAX 32 15 ~~33CB~~ 32 DA

OFFSITE

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Carex obnupta	f	obl (50)
2. Salix sp. (scouleriana?)	t/s	FACW (90)
3. Lonicera involucrata	s	fac+ (30)
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 3/3 = 100%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- Other

No Recorded Data Available

Field Observations:
- Depth of Surface Water: 12"-24" (in.)
- Depth to Free Water in Pit: — (in.)
- Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
- ✓ Inundated
- ✓ Saturated in Upper 12 Inches
- ✓ Water Marks
- ✓ Drift Lines
- Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- Oxidized Root Channels in Upper 12 Inches
- Water-Stained Leaves
- Local Soil Survey Data
- FAC-Neutral Test
- Other (Explain in Remarks)

Remarks:
Determined off site

SOILS

Map Unit Name (Series and Phase): HEBO SILTY CLAY LOAM Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
					DARK, SILT, ORGANICS

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ✓ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: OFF SITE — HENSLEY LANE

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks: OFF SITE DETERMINATION

Drainage 120' wide

Approved by HQUSACE 2/92

James D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 43 TAYLOT# 3215 33CB

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. ~~PS~~ Pseudotsuga menziesii	t	FACU (40)
2. Salix sp.	t/s	FAC (20)
3. Lithocarpus densiflorus	t/s	UI (20)
4. Umbellularia cal. f.	t/s	FAC- (30)
5. Rubus discolor	s	FACW (30)
6. Polystichum munitum	s/f	FACW (20)
7. Hedera helix	v/s	NI (20)
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 1/7 = 14%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 0" (in.)

Depth to Free Water in Pit: >18" (in.)

Depth to Saturated Soil: >18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): BULLARD-BANDON-WADECREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:
NO DATA TAKEN —

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No) (Circle)	(Circle)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	Is this Sampling Point Within a Wetland? Yes (No)

Remarks:
SOIL/HYDROLOGY DATA TAKEN ~~ONSITE~~ DIRECT OBSERVATION — NO ON-SITE SAMPLING PLOT — OUTSIDE OF DRAINAGE

Approved by HQUSACE 2/92

Jack D. Date

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PFO Transect ID: Plot ID: 44 TAXLOT # 33153200

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salix scouleriana	T	FACW (80)	9.		
2. Carex obnupta	F	OBL (60)	10.		
3. Alnus rubra	T	FAC (40)	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 3/3 = 100%

Remarks:

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations:

- Depth of Surface Water: 0" (in.)
- Depth to Free Water in Pit: ? (in.)
- Depth to Saturated Soil: ? (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ✓ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: unknown hydrology — no access

SOILS

Map Unit Name (Series and Phase): BULLARD - BANDON - WADECREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: no data taken

WETLAND DETERMINATION

Hydrophytic Vegetation Present? ~~Yes~~ No (Circle)
Wetland Hydrology Present? (*) Yes No
Hydric Soils Present? (*) Yes No

(Circle)
Is this Sampling Point Within a Wetland? Yes No

Remarks: (*) Hydrology/Soils - presumed present (visual observation) uphill along county road - surface water flow diverted to drainage to south

Based only on vegetation

Approved by HQUSACE 2/92

Jack D. Dalke

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: PEM
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 45
(If needed, explain on reverse.)	TAX LOT # 32 15 5DA

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Carex obnupta	f	obl (90)	9.		
2. Potamogeton sp	f	obl (80)	10.		
3. Lysichitum amer.	f	obl (20)	11.		
4. Typha latifolia	f/s	obl (5)	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 100% - 4/4

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	24	(in.)
Depth to Free Water in Pit:	—	(in.)
Depth to Saturated Soil:	—	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ✓ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ✓ Local Soil Survey Data
- ✓ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: OPEN WATER ON SOUTH/NORTH SIDES OF 25th Ave.

SOILS

Map Unit Name (Series and Phase): HEBO SILTY CLAYLOAM Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-6"		10YR 2/1-2/2			Muck, silt, organics

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Presumed soil conditions from aff. site Determination.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks: Open water / emergent wetland
Shrub/tree component - dead

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 46 TAX LOT # 32S 15 32DA

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pseud Pseudotsuga men.	t	FACU (40)	9.		
2. Picea sitchensis	t	FAC (40)	10.		
3. Umbellularia calif.	t/s	FAC- (10)	11.		
4. Lithocarpus densiflorus	t/s	NI (10)	12.		
5. Acer circinatum	s	FAC- (5)	13.		
6. Vaccinium ovatum	s	NI (5)	14.		
7. Gaultheria shallon	s	FACU (20)	15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 1/5 = 20%

Remarks: vegetation by observation South of wetland

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ ___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 0" (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: ___ (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Road way - forms break in hydrologic regime

SOILS

Map Unit Name (Series and Phase): BULLARD - BAXIDIN - WADECREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
					road gravel

Adjacent site (mapped)

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Road bed adjacent to road / map unit - south of wetland North of WL.

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	(No) (Circle)	(Circle)
Wetland Hydrology Present?	Yes	(No)	Is this Sampling Point Within a Wetland? Yes (No)
Hydric Soils Present?	Yes	(No)	

Remarks:

Approved by HQUSACE 2/92

Joseph D. Ref

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LW1	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: PSS [redacted]
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 47
(If needed, explain on reverse.)	Tax Lot # 32 15 33C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Lysichitum americanum	f	obl (70)	9.		
2. Alnus rubra	t/s	fac (60)	10.		
3. Scirpus microcarpus	f	obl (40)	11.		
4. Rubus spectabilis	s	fact (50)	12.		
5. Athyrium felix-femina	f	fac (20)	13.		
6. Salix sp.	t/s	fac (20)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 6/6 = 100 %

Remarks:

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations: (adjacent)

- Depth of Surface Water: 2-3" (in.)
- Depth to Free Water in Pit: 7" (in.)
- Depth to Saturated Soil: Surface (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ✓ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ✓ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): BULLARD-BANDON- WADECREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

[redacted]	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
3"-12"		2.5Y 2/1			Sand/organics

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ✓ Sulfidic Odor
- ✓ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ✓ High Organic Content in Surface Layer in Sandy Soils
- ✓ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks:

wetland confined to broad basin 200-300' wide. Entire basin saturated — Channel 2' wide braided throughout
Shrub component/overlaying emergent, Tree component outside of basin.

Approved by HQUSACE 2/92

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DAYTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: WPL
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 48
(If needed, explain on reverse.)	Tax Lot# 3215 33C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pseudotsuga menziessii	+	facu (30)	9.		
2. Umbellularia cal.f.	+	fac- (30)	10.		
3. Alnus rubra	+	fac (20)	11.		
4. Thuja plicata	+	fac (20)	12.		
5. Acer circinatum	S	fac- (10)	13.		
6. Polystichum munitum	S	facu (20)	14.		
7. ~~R~~ Rubus discolor	S	facu- (40)	15.		
8. Cytisus scoparius	S	NI	16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 2/7 = 28%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ ___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0" (in.)
Depth to Free Water in Pit:	>18" (in.)
Depth to Saturated Soil:	>18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: top of bank

SOILS

Map Unit Name (Series and Phase): BULLARD BANDON-WADECREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"-12"		10YR 3/4-4/4			sand/silt/rock pebble

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No) (Circle)	(Circle)	
Wetland Hydrology Present?	Yes (No)	Is this Sampling Point Within a Wetland?	Yes (No)
Hydric Soils Present?	Yes (No)		

Remarks: Plot taken top of bank w/in Deady R.O.W. — 30-40' above wetland basin.

Approved by HQUSACE 2/92

Jack D. Dale

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PEM Transect ID: _____ Plot ID: 49 TAXLOT# 3315 3C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Scirpus microcarpus	t	obl (60)	9.		
2. Carex obnupta	t	obl (30)	10.		
3. Juncus sp	t	~~fac~~ fac-wet (5)	11.		
4. Lysichitum amer.	t	obl (10)	12.		
5. Salix sp	t/s	fac-obl (5)	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 5/5 100%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ✓ Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ✓ Saturated in Upper 12 Inches ___ Water Marks ___ Drift Lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ✓ Oxidized Root Channels in Upper 12 Inches ___ Water-Stained Leaves ✓ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water: ~ (in.) Depth to Free Water in Pit: 2" (in.) Depth to Saturated Soil: at surface 0" (in.)	

Remarks:

SOILS

Map Unit Name
(Series and Phase): MILLICOMA-WHALESHEAD-REEDSPORT Drainage Class: _____

Field Observations

Taxonomy (Subgroup): _____ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
~~0-12"~~					
0-9"		10YR 3/2 / 2.5YR 3/2	10YR 6/8		Organics/silt
~~9~~ 12"		~~Bw~~	~~10YR~~		(silt/open H2O)

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ✓ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ___ Concretions
- ✓ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

			(Circle)
Hydrophytic Vegetation Present?	(Yes)	No	(Circle)
Wetland Hydrology Present?	(Yes)	No	
Hydric Soils Present?	(Yes)	No	Is this Sampling Point Within a Wetland? (Yes) No

Remarks:

PEM wetland from edge of road south

Approved by HQUSACE 2/92

Jack D. Dark

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 50 TAXLOT# 3315 3C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Lithocarpus densiflorus	+	NI (30)	9.		
2. Pseudotsuga menziesii	+	FACU (40)	10.		
3. Gaultheria shallon	S	FACU (60)	11.		
4. Rhamnus purshiana	+/S	FAC- (10)	12.		
5. ~~Arctostaphylos m~~			13.		
6. Arbutus menziesii	+	NI (10)	14.		
7. Umbellularia calif.	+	FAC- (10)	15.		
8. Rubus discolor	S	FACU- (20)	16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0/5 0%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0"	(in.)
Depth to Free Water in Pit:	>18"	(in.)
Depth to Saturated Soil:	>18"	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Edge of road – 2' above wetland basin

SOILS

Map Unit Name
(Series and Phase): MILLICOMA - INHALESHEAD / REEDSPORT Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
6"-12"		2.5YR 5/6	—	—	—

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No)	(Circle)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	
Is this Sampling Point Within a Wetland?	Yes (No)	(Circle)

Remarks:

Edge of wetland: North — Fir Rd
South — Break in Topo
Delin — Aerial photos

Approved by HQUSACE 2/92

Jack D. Dodd

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LW1 Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PFO Transect ID: ____ Plot ID: 51 TAXLOT# 3315 3e

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Alnus rubra	+ Fac	(55)	9.		
2. Sambucus sp	—	—	10.		
3. Lysichitum amer.	f	obl (20)	11.		
4. Rubus discolor	s	facw (40)	12.		
5. Picea sitchensis	T	fac (20)	13.		
6. Heracleum lanatum	f	fac+ (5)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 3/5 = 60%

Remarks:

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations:

- Depth of Surface Water: 12-24" (in.)
- Depth to Free Water in Pit: — (in.)
- Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: observation from road

SOILS

Map Unit Name (Series and Phase): ~~HOHAQUAM~~ SILT LOAM ? (NESTUCA) Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
Surface					cobble/sand

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Substrate: Sand, cobble — inundated
Data collection by observation from road.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks: wetland soil/hydrology — OFF SITE (ROAD)
VEG — " " (ROAD)
Forested wetland — Alder community w/ emergent (skunk cabbage, Juncus, etc)

Approved by HQUSACE 2/92

Upland ? — Road edge; Nor
— North of Road — upland forest

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PEM Transect ID: Plot ID: 52 TAXLOT # 3315 4D

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Juncus ~~effusus~~ effusis	f	facw (30)
2. Phalaris arundinacea	f	facw (90)
3. Rumex maritimus	f	facw+ (15)
4. Rumex crispus	f	fac+ (5)
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 4/4 = 100%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:
- Depth of Surface Water: 0" (in.)
- Depth to Free Water in Pit: >12" (in.)
- Depth to Saturated Soil: >12" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: SAT

SOILS

Map Unit Name (Series and Phase): NESTUCIA SILT LOAM Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9-12"		10YR 3/2	10R 4/6		
12"-20"		5Y 3/1			

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ✓ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks:

Sample off at dirt road

Approved by HQUSACE 2/92

Jack E. Peter

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: PFO
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 53
(If needed, explain on reverse.)	TAXLOT # 3315 4 D

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Lysichitum americanum	f	obl (80)	9.		
2. Carex obnupta	f	obl (30)	10.		
3. Alnus rubra T	f	fac (30)	11.		
4. Equisetum palustre	f	facw (20)	12.		
5. Athyrium felix-femina	f	fac (20)	13.		
6. Rubus discolor	s	facu-(5)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 5/6 = 83%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	—	(in.)
Depth to Free Water in Pit:	8"	(in.)
Depth to Saturated Soil:	6"	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ✓ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ✓ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ✓ Local Soil Survey Data
- ✓ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): WESTUCA SILT LOAM Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"		10YR3/2	5YR5/8	6" — Surface	Silt, Organics

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ✓ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

(Circle)
Is this Sampling Point Within a Wetland? (Yes) No

Remarks: Boundaries
Upland — road south
PEM — North boundary

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: WPL Transect ID: Plot ID: 54 TAYLOT #3315 4D

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. ~~Abies~~ Pseudotsuga menz.	+	FACU (10)	9. Gaultheria shallon	S	FACU (30)
2. Rhamnus purshiana	+/S	FAC- (30)	10. Umbellularia californica	+	FAC- (20)
3. Lonicera involucrata	S	FAC+ (10)	11.		
4. Alnus rubra	+	FAC (30)	12.		
5. Rubus discolor	S	FACU- (20)	13.		
6. Vaccinium ovatum	S	NI (10)	14.		
7. Polystichum munitum	F/S	FACU (20)	15.		
8. ~~Athyrium felix-femina~~	S	~~FAC (5)~~	16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 2/8 = 25%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ✓ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0" (in.)
Depth to Free Water in Pit:	>48" (in.)
Depth to Saturated Soil:	>18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): NESTUCA SILT LOAM Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10"		10YR 3/3	—		Sand/loam
	alternating deposits 1/2" thick	10YR 3/2	—		" "

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: alternating grey/reddish sand deposition along vertical line in profile

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No) (Circle)	
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	Is this Sampling Point Within a Wetland? Yes (No) (Circle)

Remarks:

Approved by HQUSACE 2/92

Jack D. Dutt

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: ~~PF~~ PFO
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: S5
(If needed, explain on reverse.)	TAXLOT# 33154A.

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Alnus rubra	t	FAC (10)	9.		
2. ~~Be~~ Pseudotsuga menzi.	t	FACU (10)	10.		
3. Polystichum munitum	f/s	FACU (20)	11.		
4. Athyrium felix-femina	f/s	FAC (20)	12.		
5. Holodiscus discolor	s	NI (10)	13.		
6. Thuja plicata	t/s	FAC (10)	14.		
7. Sambucus cerulea	s	FACU (10)	15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 2/3 = 66%

Remarks: Alnus rubra dominant within channel
#2, 5, 6, 7 — outside channel — not used for % cover.

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations:

- Depth of Surface Water: 18" (in.)
- Depth to Free Water in Pit: _____ (in.)
- Depth to Saturated Soil: _____ (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Hubbard Creek - south of outlet from city water detention pond

SOILS

Map Unit Name
(Series and Phase): MILLICOMA - WHALESHEAD / REEDSPORT, Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
					Cobbles, rock

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks:

upland - steep ~~clay~~ banks.
wetland fringe w/ 25' channel.

Approved by HQUSACE 2/92

Jack D. Dale

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LW1	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: R3SB
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 56
(If needed, explain on reverse.)	TAPLOT 3315 4A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pseudotsuga menz.	t	FACU (40)	9.		
2. Alnus rubra	t	FAC (40)	10.		
3. Lysichitum americanum	f	obl (30)	11.		
4. Scirpus microcarpus	t	obl (40)	12.		
5. Sambucus cotcerulea	s	FACU (20)	13.		
6. Rubus parviflorus	s	FACU (20)	14.		
7. Umbellularia calif.	t/s	FAC- (5)	15.		
8. Thuja plicata	t	FAC (5)	16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). ~~50%~~ 3/4 = 75%

Remarks:

#5, 6 - upland edge of stream; #7,8 - ~~not~~ trace > all not used (%)

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - Other
- No Recorded Data Available

Field Observations:

Depth of Surface Water:	8-12" (in.)
Depth to Free Water in Pit:	8" (in.)
Depth to Saturated Soil:	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ✓ Saturated in Upper 12 Inches
- Water Marks
- Drift Lines
- Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- Oxidized Root Channels in Upper 12 Inches
- Water-Stained Leaves
- Local Soil Survey Data
- FAC-Neutral Test
- Other (Explain in Remarks)

Remarks: pit - 2' off of main channel

SOILS

Map Unit Name
(Series and Phase): MILLICOMA-WHARGSHEAD-REEDSPORT. Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"		10YR 2/2			Sand/silt
		10YR 2/1			

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ✓ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks: wetland beach – 20' either side of channel

Approved by HQUSACE 2/92

Jack D. Dodd

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 57 TAX LOT #3315 4A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pseudotsuga menziesii	t	FACU (70)	9.		
2. Alnus rubra	t	FAC (40)	10.		
3. Thuja plicata	t	FAC* (10)	11.		
4. Sambucus cerulea	s	FACU (30)	12.		
5. P. lystichum munitum	f/s	FACU (60)	13.		
6. Vaccinium ovatum	s	NI (30)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 2/5 = 40%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0" (in.)
Depth to Free Water in Pit:	>18" (in.)
Depth to Saturated Soil:	>18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: along trail north of drainage.

SOILS

Map Unit Name
(Series and Phase): MILLICOMA- WHALESHEAD REEDSPORT. Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
8-12"		10YR 4/4			rock sand/silt loam variable subst.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Rock/gravel - along road cut

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No)	(Circle)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	
Is this Sampling Point Within a Wetland?	Yes (No)	(Circle)

Remarks:

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: ~~PEM~~ PFO Transect ID: Plot ID: ~~58~~ TAXLOT# 33154A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Lysichitum americanum	f	obl (40)	9.		
2. Scirpus microcarpus	f	obl (40)	10.		
3. Alnus rubra	t	FAC (40)	11.		
4. Athyrium filix-femina	f/s	FAC (40)	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 100% (4/4)

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:
- Depth of Surface Water: 18"–24" (in.)
- Depth to Free Water in Pit: _____ (in.)
- Depth to Saturated Soil: _____ (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Drainage 45' wide – upslope of old M.I. Rd

SOILS

Map Unit Name
(Series and Phase): MILLICOMA - GUALES HEAD - REEDSPORT · Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
Surface		10YR 3/2			silt / sand

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Yes) No (Circle)

Remarks: Sampling from road crossing

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 59 TAYLOT # 33154A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pseudotsuga menziesii	T	FACU (50)	9.		
2. ~~Alnus~~ Alnus rubra	T	FAC (20)	10.		
3. Gaultheria shallon	S	FACU (50)	11.		
4. Vaccinium ovatum	S	UT (20)	12.		
5. Vaccinium parvifolium	S	~~NI~~ (10)	13.		
6. Polystichum munitum	F/S	FACU (20)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 1/5 = 20%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water:	≥0" (in.)
Depth to Free Water in Pit:	>18" (in.)
Depth to Saturated Soil:	>18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:
Outside drainage - East

SOILS

Map Unit Name (Series and Phase): Millicoma - Whaleshead - Reedsport Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"					MIX - road gravel sand/silt loam

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: mapped: Millicoma, etc...

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No)	(Circle)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	
Is this Sampling Point Within a Wetland?	Yes (No)	(Circle)

Remarks:

Upland - riparian corridor along drainage.

Approved by HQUSACE 2/92

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LW1	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: PZEM
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 60
(If needed, explain on reverse.)	TAX LOT # 33154B

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Lysichitum americanum	f	obl (85)
2. Scirpus microcarpus	f	obl (20)
3. Rubus spectabilis	s	FAC+(10)
4. Alnus rubra	t	FAC (90)
5. Athyrium felix-femina	f/s	FAC (20)
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 100% 5/5

Remarks: Veg - logged w/in powerline R.O.W.

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:
- Depth of Surface Water: 4-6" (in.)
- Depth to Free Water in Pit: 6" (in.)
- Depth to Saturated Soil: Surface (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ✓ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): CUNNIFF SILTY CLAY LOAM Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9-12"		10YR 3/2			Sand 85%, cobble pebble

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Yes) No (Circle)

Remarks:

wetland fringe 50'-60' wide along stream.

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 61 TAYLOT 5315 4B

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pseudotsuga menziesii	t	FACU (70)	9.		
2. Rhododendron macroph	s	UI (20)	10.		
3. Gaultheria shallon	s	FACU (50)	11.		
4. Rubus parviflorus	s	FACU+(10)	12.		
5. Polystichum munitum	f/s	FACU (50)	13.		
6. Umbellularia californica	t	FAC-(10)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0/5 = 0%

Remarks: veg - logged/cleared within Powerline R.O.W

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: 0" (in.)

Depth to Free Water in Pit: >18" (in.)

Depth to Saturated Soil: >18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): CUNNIFF SILTY CLAY LOAM. Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9+		7.5YR 3/3			

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? (Circle) Yes (No)

Remarks: upland 50' upslope; south edge of drainage steep sloped canyon

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: PFO (*)
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 62
(If needed, explain on reverse.)	TAXLOT # 33154CB

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Lysichitum americanum	f	obl (10)	9.		
2. Equisetum palustre	f	FACW (40)	10.		
3. Scirpus microcarpus	f	obl (10)	11.		
4. Salix sp. fac-obl	t/s	FAC (40)	12.		
5. Pseudotsuga menziesii	t	FACU (80)	13.		
6. Pinus contorta con.	t	FAC (20)	14.		
7. Athyrium felix-femina	f	FAC (40)	15.		
8. Rubus spectabilis	s	FAC+ (20)	16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 7/8 = 88%

Remarks:

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations:

- Depth of Surface Water: 6" (in.)
- Depth to Free Water in Pit: _____ (in.)
- Depth to Saturated Soil: _____ (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Impoundment upslope of HWY 101 – culvert location unknown

SOILS

Map Unit Name
(Series and Phase): BULLARD - BANDON - WADECREEK Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
					silt, gravel, sand

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: mapped - not consistent w/ typic soil

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	(Yes)	No	(Circle)
Wetland Hydrology Present?	(Yes)	No	
Hydric Soils Present?	(Yes)	No	

(Circle)
Is this Sampling Point Within a Wetland? (Yes) No

Remarks: Hydrologic connection to RZFO stream through culvert

PFO designation - out flow not maintained under HWY 101 — RZ stream disappears at HWY 101

Approved by HQUSACE 2/92

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LW1 Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PSS/EM Transect ID: Plot ID: 63 TAX LOT # 33159A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Lysichitum americanum	f	obl (40)	9.		
2. Carex obnupta	f	obl (90)	10.		
3. Scirpus microcarpus	f	obl (30)	11.		
4. Juncus effusis	f	FACW (20)	12.		
5. Alnus rubra	s/t	FAC (30)	13.		
6. Salix sp. FAC-OBL	s	FAC (30)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 100%. 4/6

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	2" (in.)
Depth to Free Water in Pit:	0" (in.)
Depth to Saturated Soil:	at surface (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ✓ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): CHETCO SILT LOAM Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
-9"		10YR 2/1			mucky, organics
					sandy.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ✓ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Yes) No (Circle)

Remarks:

PSS/EM wetland - west of Hwy 101 -
Outflow basin of Hubbard Creek -
Creek channel separated from wl by small berm - fill from highway 101 construction.

Approved by HQUSACE 2/92

Jack D. Dutton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: VPL
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 64
(If needed, explain on reverse.)	TAX LOT# 33159A

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Pseudotsuga menziesii	+	FACU (80)
2. Picea sitchensis	+	FAC (20)
3. Gaultheria shallon	S	FACU (30)
4. Vaccinium ovatum	S	[illegible] (30)
5. Vaccinium parvifolium	S	[illegible] (20)
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 1/4 = 25%

Remarks:

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations:

- Depth of Surface Water: — (in.)
- Depth to Free Water in Pit: >18" (in.)
- Depth to Saturated Soil: >18 (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): CHATCO SILT LOAM · Drainage Class: _____

Field Observations

Taxonomy (Subgroup): _____ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9+1		10YR 3/3			Sand/cobble

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Forest soil: mapped _____

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No) (Circle)		(Circle)
Wetland Hydrology Present?	Yes (No)	Is this Sampling Point Within a Wetland?	Yes (No)
Hydric Soils Present?	Yes (No)		

Remarks:

upland – steep forest slopes – southern edge of wetland
north/eastern edge – road fill.

Approved by HQUSACE 2/92

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI
Applicant/Owner: PORT ORFORD
Investigator: J. DALTON / S. LATIMER

Date: July 95
County: CURRY
State: OR

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? Yes (No)
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID: [redacted] PEM
Transect ID:
Plot ID: G5
TAX LOT # 33155BC

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Cicuta douglasii	f	obl (25)
2. Carex obnupta	f	obl (30)
3. Salix sp (FAC-OBL)	t/s	FAC (30)
4. 1		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14. 1		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 100% 3/3

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 24" (in.)
Depth to Free Water in Pit: — (in.)
Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
- ✓ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ✓ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): FERRELO - GEARHART Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"		10YR 3/2			Sandy loam; organic.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ✓ High Organic Content in Surface Layer in Sandy Soils
- ✓ Organic Streaking in Sandy Soils
- ✓ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Yes) No (Circle)

Remarks: Wetland associated with: Riverine - permanent flow — outflow of Gormsen L.

Wetland 30' wide ⟹ narrow down 15' downstream.

Approved by HQUSACE 2/92

John D. Eakin

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: VPL Transect ID: Plot ID: 66 TAYLOT# 33155BC

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pinus contorta con.	t	FAC (90)	9.		
2. Lonicera involucrata	s	FAC+(20)	10.		
3. ~~Pseudotsuga~~			11.		
4. Petasites frigidus	f	FACW (60)	12.		
5. Polystichum munitum	s	FACU (30)	13.		
6. Vaccinium parvifolium	s	NI (20)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). ~~4/5 = 80~~ 2/5 = 40%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: ≥0" (in.)
Depth to Free Water in Pit: >18" (in.)
Depth to Saturated Soil: >18" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: 10 - 20' above riverine drainage.

SOILS

Map Unit Name (Series and Phase): FERRELO - GEARHART Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
10"		10YR 3/4			silty sand

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

(Circle)
Is this Sampling Point Within a Wetland? Yes (No)

Remarks:

upland coast pine forest ~~~~ eastern edge of outlet stream / dune along western edge.

Approved by HQUSACE 2/92

Jack D. Sadler

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: PEM
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 67
(If needed, explain on reverse.)	TAXLOT# 3315C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Carex obnupta	C	OBL (60)	9.		
2. Eleocharis palustris	C	OBL (50)	10.		
3. Juncus effusis	C	obl (20)	11.		
4. Scirpus microcarpus	C	obl (30)	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 4/4 100%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0	(in.)
Depth to Free Water in Pit:	4"	(in.)
Depth to Saturated Soil:	SURF	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ✓ Saturated in Upper 12 Inches
- ✓ Water Marks
- ___ Drift Lines
- ✓ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: outflow - under sand/dune ⇒ RZ outflow stream (Myatt Ck.)

SOILS

Map Unit Name (Series and Phase): FERRELO-GEARHART

Drainage Class: _____

Field Observations

Taxonomy (Subgroup): _____

Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9+		10YR 2/2			Sand

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ✓ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

(Circle)
Is this Sampling Point Within a Wetland? (Yes) No

Remarks: Pal. Emerg. area out flow of ephemeral drainages from the east.

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PFO Transect ID: ___ Plot ID: 68 TAX LOT #33155C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salix sp (sitchensis)	t	FACW (50)	9.		
2. Lonicera involucrata	s	FAC+ (10)	10.		
3. Alnus rubra	t/s	FAC (5)	11.		
4. Carex obnupta	f	OBL (20)	12.		
5. Juncus effusis	f	obl (30)	13.		
6. Lysichitum americanum	f	obl (5)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 6/6 - 100%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	1-2"	(in.)
Depth to Free Water in Pit:	—	(in.)
Depth to Saturated Soil:	—	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ✓ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Standing water — disappear later in Summer

SOILS

Map Unit Name (Series and Phase): FERRELO-GEARHART. Drainage Class: _____

Field Observations

Taxonomy (Subgroup): _____ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"	1	10YR 2/2			

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ✓ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

			(Circle)
Hydrophytic Vegetation Present?	(Yes)	No	(Circle)
Wetland Hydrology Present?	(Yes)	No	
Hydric Soils Present?	(Yes)	No	Is this Sampling Point Within a Wetland? (Yes) No

Remarks:

Approved by HQUSACE 2/92

Jack D. Dentler

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: UPL
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 69
(If needed, explain on reverse.)	TAX LOT #33155C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Gaultheria shallon	S	FACU (60)	9.		
2. Rhamnus purshiana	+/S	FAC- (30)	10.		
3. Pinus contorta contorta	+	FAC (60)	11.		
4. Abies grandis	+	FACU (30)	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 1/4 - 25%.

Remarks:

HYDROLOGY

- ___ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ___ Aerial Photographs
  - ___ Other
- ✓ No Recorded Data Available

Field Observations:

- Depth of Surface Water: 0" (in.)
- Depth to Free Water in Pit: >18" (in.)
- Depth to Saturated Soil: >18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): FERRELO GEARHART Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
10"					(25%) Sand / rock / silt

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No)	(Circle)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	
Is this Sampling Point Within a Wetland?	Yes (No)	(Circle)

Remarks:

Approved by HQUSACE 2/92

Frank D. Deck

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: ~~BSM~~ UPL Transect ID: Plot ID: ~~T10~~ Tax Lot # 3315 5C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). BARE GROUND

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0 M	(in.)
Depth to Free Water in Pit:	>18"	(in.)
Depth to Saturated Soil:	7 1/8"	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: above littoral zone — dune community
2' above Agate Ck outlet.

SOILS

Map Unit Name (Series and Phase): FRANKPORT SAND. Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? (Yes) No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9-10"					Sand

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No) (Circle)	(Circle)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	Is this Sampling Point Within a Wetland? Yes (No)

Remarks:

upland - dune area
wetland hydrology - confined to channel.

Approved by HQUSACE 2/92

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: ~~EEC~~ LZSS
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 31
(If needed, explain on reverse.)	TAX LOT # 33155C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Lysichitum americanum	f	obl (60)	9.		
2. Carex obnupta	f	obl (40)	10. Typha		
3. Salix sp (FAC-OBL)	f	FAC (20)	11.		
4. Rhamnus purshiana	s	FAC- (20)	12.		
5. Alnus rubra	t	FAC (30)	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 4/5 = 80%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: 4-6" (in.)

Depth to Free Water in Pit: SURF ~~6"~~ (in.)

Depth to Saturated Soil: SURF ~~6"~~ (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ✓ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): HEBO SILTY CLAY LOAM Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"		10YR 2/1			mucky / organics

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: ~~NO DATA~~

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks:

PSS

— NO FORESTED COMPONENT

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: WPL Transect ID: Plot ID: 72 TAXLOT# 3315 6C

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Thuja plicata	T	FAC (30)
2. Pseudotsuga menziesii	T	FACU (30)
3. Myrica californica	T/S	FACW (30)
4. Rhamnus purshiana	T/S	FAC- (30)
5. Gaultheria shallon	S	FACU (80)
6. Polystichum munitum	S	FACU (40)
7. Vaccinium ovatum	S	NI (10)
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 2/7 = 28%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ✓ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0" (in.)
Depth to Free Water in Pit:	>18" (in.)
Depth to Saturated Soil:	>18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): BULLARD - BANDON (WADE CREEK) Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
10"		10YR3/4			Mck, Sand, organics

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No)	(Circle)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	
Is this Sampling Point Within a Wetland?	Yes (No)	(Circle)

Remarks:

6' above - H_2O line — upland forest

Approved by HQUSACE 2/92

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: LZAB
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 73
(If needed, explain on reverse.)	TAX LOT # 3315 (5BC)

(Observation from shore)

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Nuphar polysepalum	F	OBL(70)	9.		
2. Potamogeton sp	F	OBL(70)	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 100%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ✓ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water: >18" (in.)

Depth to Free Water in Pit: _____ (in.)

Depth to Saturated Soil: _____ (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): ~~[illegible]~~ GARRISON LAKE Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
		NO DATA			
		~~NOD~~			

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: NO DATA TAKEN → INUNDATED > 6 ft — UNCONSOLIDATED BOTTOM.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

(Circle)
Is this Sampling Point Within a Wetland? (Yes) No

Remarks: Aquatic bed —

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: [redacted] PFO
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 74
(If needed, explain on reverse.)	TAX LOT # 321533C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Lysichitum americanum	f	obl (70)	9.		
2. Alnus rubra	t/s	fac (60)	10.		
3. Scirpus microcarpus	f	obl (40)	11.		
4. Rubus spectabilis	s	fac+ (50)	12.		
5. Athyrium felix-femina	f	fac (20)	13.		
6. Salix sp.	t/s	FACW (20)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 100%

Remarks:

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations:

- Depth of Surface Water: 2-3" (in.)
- Depth to Free Water in Pit: 2" (in.)
- Depth to Saturated Soil: Surf. (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ✓ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ✓ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): BALLARD RANDOM — Drainage Class: _____

Taxonomy (Subgroup): WADECREEK — Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
9"-12"		2.5YR 4/1			Sand/organics

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks:

- basin 20-30'

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 75 TAXLOT 3215 33C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pseudotsuga menziesii	t	FACU(30)	9.		
2. Umbellifera calif.	t	FAC-(30)	10.		
3. Alnus rubra	t	FAC(30)	11.		
4. Thuja plicata	t	FAC(30)	12.		
5. Polystichum munitum	t	FACU(20)	13.		
6. Cytisus scoparius	S	UPL(30)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 2/5 = 40%

Remarks:

HYDROLOGY

✓ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0"	(in.)
Depth to Free Water in Pit:	>18"	(in.)
Depth to Saturated Soil:	>18"	(in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): _____ Drainage Class: _____

Field Observations

Taxonomy (Subgroup): _____ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
7-12+		10YR 3/4-4/4			Sand, silt, rock

Hydric Soil Indicators:

___ Histosol
___ Histic Epipedon
___ Sulfidic Odor
___ Aquic Moisture Regime
___ Reducing Conditions
___ Gleyed or Low-Chroma Colors
___ Concretions
___ High Organic Content in Surface Layer in Sandy Soils
___ Organic Streaking in Sandy Soils
___ Listed on Local Hydric Soils List
___ Listed on National Hydric Soils List
___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

(Circle)
Is this Sampling Point Within a Wetland? Yes (No)

Remarks:

upland above channel - steep slopes

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: PSS Transect ID: Plot ID: 76 33155AA Tax lot #

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salix sp	t	FACW(80)	9.		
2. Spirea douglasii	s	FACW(20)	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 2/2 100%

Remarks:

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations:

- Depth of Surface Water: 0" (in.)
- Depth to Free Water in Pit: >12" (in.)
- Depth to Saturated Soil: 8-12" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ✓ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ✓ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): Ballard - Bandon - Woodcreek Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
7-12+		10YR 3/2	10YR 5/6		

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks:

Narrow shrub wetland - remnant channelized stream corridor.

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI	Date: July 95
Applicant/Owner: PORT ORFORD	County: CURRY
Investigator: J. DALTON / S. LATIMER	State: OR
Do Normal Circumstances exist on the site? (Yes) No	Community ID: PEM
Is the site significantly disturbed (Atypical Situation)? Yes (No)	Transect ID:
Is the area a potential Problem Area? Yes (No)	Plot ID: 77
(If needed, explain on reverse.)	TAXLOT 32 15 32A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Carex obnupta	~~90~~ f	obl (90)	9.		
2. Lysichitum americanum	~~15~~ f	obl (15)	10.		
3. Alnus rubra	~~10~~ t	fac (15)	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 3/3 100%

Remarks:

HYDROLOGY

- ___ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ___ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations:

- Depth of Surface Water: 0" (in.)
- Depth to Free Water in Pit: >18" (in.)
- Depth to Saturated Soil: >18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

outside emergent area

SOILS

Map Unit Name (Series and Phase): HEBO SILTY CLAY LOAM Drainage Class: _____

Field Observations

Taxonomy (Subgroup): _____ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-9"		10YR 4/2	10YR 5/6	upper 2-4"	sand, silt, 25% organics
9"-12"		10YR 2/1			

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ✓ High Organic Content in Surface Layer in Sandy Soils
- ✓ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	(Yes) No	(Circle)
Wetland Hydrology Present?	(Yes) No	
Hydric Soils Present?	(Yes) No	
Is this Sampling Point Within a Wetland?	(Yes) No	(Circle)

Remarks:

Transitioning from PFO (ALN RUB) to PEM (CAR OBN)

Approved by HQUSACE 2/92

Jack D. Dalton

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 78 TAXLOT # 3315 9A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Ammophila			9.		
2. arenaria	f	Fren(UB)	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0/1 = 0%

Remarks: bare ground / sand

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations:

- Depth of Surface Water: ___ (in.)
- Depth to Free Water in Pit: >18" (in.)
- Depth to Saturated Soil: >18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): Nehalem silt loam.

Drainage Class: _____

Field Observations

Taxonomy (Subgroup): _____

Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
7-12"		10YR 3/2	10R 4/6		
12-18"		5Y 3/1			

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Circle) (Yes) No

Remarks:

Sample off of Road - parallel to stream.

Approved by HQUSACE 2/92

John D. Dunk

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: ____ Plot ID: 80 TAX LOT # 3315 10B

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pseudotsuga menz.	T	facu (20)	9.		
2. Alnus rubra	T	fac (25)	10.		
3. Rhamnus purshiana	H/S	fac (30)	11.		
4. Ribes discolor	S	facu (50)	12.		
5. Gaultheria shallon	S	facu (40)	13.		
6. Umbellularia calif.	T	FAC- (20)	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 1/6 = 18%

Remarks:

HYDROLOGY

- ___ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ___ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations:

Depth of Surface Water:	0" (in.)
Depth to Free Water in Pit:	>18" (in.)
Depth to Saturated Soil:	>18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

above drainage basin 2'

SOILS

Map Unit Name (Series and Phase): Nestuca/Hehalem(?) Silt loam Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
12-18"		10YR 3/2	—		

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No)	(Circle)	(Circle)
Wetland Hydrology Present?	Yes (No)		
Hydric Soils Present?	Yes (No)	Is this Sampling Point Within a Wetland?	Yes (No)

Remarks:

upland forest above drainage basin.
— road boundary southern edge of wetland.

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: PORT ORFORD LWI Applicant/Owner: PORT ORFORD Investigator: J. DALTON / S. LATIMER	Date: July 95 County: CURRY State: OR
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? Yes (No) Is the area a potential Problem Area? Yes (No) (If needed, explain on reverse.)	Community ID: UPL Transect ID: ____ Plot ID: P1 Tax Lot # 3315 3C

(WETLAND #41)

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pseudotsuga menziesii	T	FACU (25)	9.		
2. Alnus rubra	T	FAC (30)	10.		
3. Rhamnus purshiana	S/T	FAC (10)	11.		
4. Rubus discolor	S	FACU (50)	12.		
5. Gaultheria shallon	S	FACU (50)	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 1/5 = 20%

Remarks:

HYDROLOGY

- ✓ Recorded Data (Describe in Remarks):
  - ___ Stream, Lake, or Tide Gauge
  - ✓ Aerial Photographs
  - ___ Other
- ___ No Recorded Data Available

Field Observations:

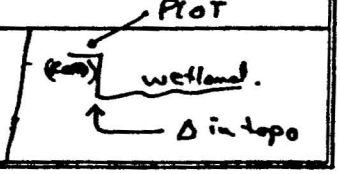
- Depth of Surface Water: 0" (in.)
- Depth to Free Water in Pit: >18" (in.)
- Depth to Saturated Soil: >18" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: Along road - above drainage basin



SOILS

Map Unit Name (Series and Phase): Vestura/Nehalem Silt loam Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
12"-14"		10YR3/2	—	None	Silt/cobble-small road gravel.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: No wetland soil developing

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

(Circle)
Is this Sampling Point Within a Wetland? Yes (No)

Remarks: Along road - sharp break in topo defines wetland edge.

Approved by HQUSACE 2/92

Locally Significant Wetlands Criteria

Exclusions: **This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**

1. Is this wetland artificially created entirely from upland *and:*	☐ yes ☐ no
a. created for the purpose of controlling, storing, or maintaining stormwater	☐ yes ☐ no
b. is used for active surface mining or as a log pond	☐ yes ☐ no
c. is a ditch without a free and open connection to natural waters of the state	☐ yes ☐ no
d. is less than 1 acre and created unintentionally from irrigation or construction	☐ yes ☐ no
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard	☐ yes ☐ no
2. Is the wetland or a portion of the wetland contaminated by hazardous substances, materials, or wastes as per the conditions of ORS 141-86	☐ yes ☐ no
Exclusion criteria satisfied?	**☐ YES ☐ NO**

Mandatory Locally Significant Wetland Criteria: **This wetland is locally significant if "Yes" is the answer to any of the criteria below.**

1. Does the wetland provide *diverse wildlife habitat*?	☐ yes ☐ no
2. Is the wetland's *fish habitat function intact*?	☐ yes ☐ no
3. Is the wetland's *water quality function intact*?	☐ yes ☐ no
4. Is the wetland's *hydrologic control function intact*?	☐ yes ☐ no
5. Is the wetland less than ¼ mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?	☐ yes ☐ no
6. Does the wetland contain a rare plant community?	☐ yes ☐ no
7. Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?	☐ yes ☐ no
8. Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?	☐ yes ☐ no
Mandatory Locally Significant Wetland criteria satisfied?	**☐ YES ☐ NO**

Optional Locally Significant Wetland Criteria: **Local governments may identify a wetland as significant if "Yes" is the answer to the criteria below.**

1. Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has an *intact, or impacted or degraded fish habitat function* or has an *intact, or impacted or degraded water quality function* or has an *intact, or impacted or degraded hydrologic control function.*	☐ yes ☐ no
2. Is the wetland publicly owned and used by a school or organization and does it provide *educational uses*?	☐ yes ☐ no
Optional Locally Significant Wetland criteria satisfied?	**☐ YES ☐ NO**