

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)



Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Corvallis Natural Resource Inventory	Wetland:	WC-OAK-M90-32
Project Location:	Benton County	Wetland Type(s):	PSS,PEM
Date(s) of field work:	11/6/2002	Approx. Area (acres):	0.87
Onsite Assessment?:	YES	Investigator(s):	SE/ME
Wetland Location:	North of Ponderosa Boulevard, east of 60th Street.		

Function and Condition Assessment Answers

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	B	Q-1	C	Q-1	B	Q-1	B
Q-2	A	Q-2	A	Q-2	C	Q-2	C	Q-2	B
Q-3	B	Q-3	C	Q-3	B	Q-3	B	Q-3	C
Q-4	C	Q-4	A	Q-4	B	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	A	Q-5	A
Q-6	A	Q-6	C	Q-6	C	Q-6	A	Q-6	A
Q-7	A					Q-7	C		
Q-8	C								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is impacted or degraded
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	B
Q-2	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	A	Q-3	A
Q-4	B	Q-4	A	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

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Functions and Conditions Summary Sheet



Project:	Corvallis Natural Resource Inventory	Wetland:	WC-OAK-M90-32
Location:	Benton County	Approx. Area (acres):	0.87
Date:	11/6/2002	Wetland Types(s):	PSS,PEM
Result:	Wetland provides habitat for some wildlife species		
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams	
	Dominated by woody vegetation	Adjacent land is mostly developed	
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%	
Result:	Wetland's fish habitat function is impacted or degraded		
Rationale:	25-50% of stream is shaded	No adjacent Water Quality Limited streams	
	Stream is in a natural channel	Adjacent land is mostly developed	
	<10% of stream has instream structures	Stream does not contain fish	
Result:	Wetland's water-quality function is impacted or degraded		
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands	
	Wetland does not flood or pond	Adjacent land is mostly developed	
	Moderate vegetation cover	No adjacent Water Quality Limited streams	
Result:	Wetland's hydrologic control is impacted or degraded		
Rationale:	Wetland is not within 100 year floodplain	Dominated by woody vegetation	
	Wetland does not flood or pond	Development downslope of wetland	
	Water has unrestricted flow out of wetland	Open space upslope of wetland	
Result:	Wetland is potentially sensitive to future impacts		
Rationale:	Stream not modified	Adjacent land is mostly developed	
	Water not taken out	Adjacent zoning is primarily development	
	No adjacent Water Quality Limited streams	Dominated by woody vegetation	
Result:	Wetland has high enhancement potential		
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres	
	Primary water source is groundwater	Wetland buffer is between 10% and 40%	
	Water flow is permanently restricted	Potentially sensitive to future impacts	
Result:	Wetland site is not appropriate for educational use		
Rationale:	No access allowed to wetland	No access point to wetland exists	
	No visible hazards to public	Wetland is not limited mobility accessible	
	Public access to other habitats exist		
Result:	Wetland is not appropriate or does not provide rec. opportunities		
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife	
	No boat launching can be developed	No fishing is allowed	
	Maintained trails, viewing areas exist	No hunting is allowed	
Result:	Wetland is considered to be moderately pleasing		
Rationale:	Two Cowardin classes visible	Wetland surrounded by landscaped areas	
	25 - 50% of wetland can be seen	Natural odors present at wetland	
	No visual detractors are present	Some traffic and natural noises are present	

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)



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Project Location:	Benton County	Approx. Area (acres):	0.87
Date:	11/6/2002	Wetland Type(s):	PSS,PEM

Exclusions : This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".

1 Is this wetland artificially created entirely from upland and		
a. created for the purpose of controlling, storing, or maintaining stormwater	<input type="checkbox"/>	No
b. is used for active surface mining or as a log pond	<input type="checkbox"/>	No
c. is a ditch without a free and open connection to natural waters of the state	<input type="checkbox"/>	No
d. is less than 1 acre and created unintentionally from irrigation or construction	<input type="checkbox"/>	No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard	<input type="checkbox"/>	No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)	<input type="checkbox"/>	No
Exclusion criteria satisfied?		No

Mandatory Locally Significant Wetland Criteria : This wetland is locally significant if "Yes" is the answer to any of the criteria below.

1 Does the wetland provide <i>diverse wildlife habitat</i> ?	<input type="checkbox"/>	No
2 Is the wetland's <i>fish habitat function intact</i> ?	<input type="checkbox"/>	No
3 Is the wetland's <i>water quality function intact</i> ?	<input type="checkbox"/>	No
4 Is the wetland's <i>hydrologic control function intact</i> ?	<input type="checkbox"/>	No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) <u>and</u> is the wetland's <i>water quality function intact, or impacted or degraded</i> ?	<input type="checkbox"/>	No
6 Does the wetland contain a rare plant community?	<input type="checkbox"/>	No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?	<input type="checkbox"/>	No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids <u>and</u> is the wetland's <i>fish habitat function intact, or impacted or degraded</i> ?	<input type="checkbox"/>	No
Mandatory Locally Significant Wetland criteria satisfied ?		No

Optional Locally Significant Wetland Criteria : local governments may identify a wetland as significant if "Yes" is the answer to the criteria below

1 Does the wetland represent a locally unique native plant community <u>and</u> provides <i>diverse wildlife habitat or habitat for some species</i> <u>or</u> has a <i>intact, or impacted or degraded fish habitat function</i> <u>or</u> has a <i>intact, or impacted or degraded water quality function</i> <u>or</u> has a <i>intact, or impacted or degraded hydrologic control function</i> .	<input type="checkbox"/>	No
2 Is the wetland publicly owned and used by a school or organization <u>and</u> does the wetland provide <i>educational uses</i> ?	<input type="checkbox"/>	No
Optional Locally Significant Wetland criteria satisfied ?		No

Does not satisfy the criteria, Not a Locally Significant Wetland

Wetland Characterization Sheet



Project Name: Corvallis Natural Resource Inventory

		Wetland Code:	WC-OAK-M90-32
Date(s) of field work:	11/6/2002	Size (acres):	0.87
Data Sheet Numbers:	16,17	Cowardin Class(es):	PSS,PEM
Investigator(s):	SE/ME	HGM Class(es):	S/F

Location -- Legal:	T. 11S, R. 5W, S. 20
Other:	North of Ponderosa Boulevard, east of 60th Street.
Tax Lots:	See accompanying table
Hydrologic basin:	Oak Creek
Soil -- Mapped series:	Philomath silty clay
Hydrologic Source:	Groundwater, precipitation

Dominant Wetland Vegetation			
TREES / SHRUBS		VINES / HERBS	
<i>Fraxinus latifolia</i>	Oregon Ash	<i>Juncus effusus</i>	Soft Rush
<i>Salix lasiandra</i>	Pacific Willow	<i>Holcus lanatus</i>	Common Velvet Grass
<i>Salix piperi</i>	Piper's Willow	<i>Athyrium filix-femina</i>	Subarctic Lady Fern
		<i>Juncus ensifolius</i>	Dagger-Leaf Rush
		<i>Typha latifolia</i>	Common Cattail
		<i>Veronica americana</i>	American Speedwell
		<i>Dipsacus sylvestris</i>	Teasel

Comments:
 Mosaic (40% upland, 60% wetland) palustrine emergent and scrub/shrub wetland on a hillslope east of 60th Street, north of Ponderosa Boulevard. Dominated by Oregon ash saplings within the powerline corridor. Land use and zoning are both low density residential. Wetland is fed by groundwater as the bedrock is very shallow in this area. Intermittent tributaries within and adjacent to the wetland flow from about November to June.
 Adjacent upland species: *Quercus garryana*, *Arbutus menziesii*, *Pseudotsuga menziesii*, *Amelanchier alnifolia*, *Abies grandis*, *Rhus diversiloba*, *Rubus discolor*, *Rubus ursinus*, *Brachypodium sylvestris*, *Polystichum munitum*, *Dactylus glomerata*, *Hedera helix*, *Cirsium arvense*, *Daucus carota*, *Festuca arundinacea*, *Rhododendron* sp.

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