

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet



Pacific Habitat Services, Inc.

Project Name:	Corvallis Natural Resource Inventory	Wetland:	S-WIL-W-9
Project Location:	Benton County	Wetland Type(s):	PFO,PSS,PEM
Date(s) of field work:	5/7/2002	Approx. Area (acres):	4.68
Onsite Assessment?:	YES	Investigator(s):	LW
Wetland Location:	Willamette Park, south of Marys River		

Function and Condition Assessment Answers

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

Results:

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

Function and Condition Assessment Answers

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

Results:

Enhancement Potential	Due to diverse wildlife habitat, this wetland cannot be enhanced
Education	Wetland has educational uses
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

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Functions and Conditions Summary Sheet



Project:	Corvallis Natural Resource Inventory	Wetland:	S-WIL-W-9
Location:	Benton County	Approx. Area (acres):	4.68
Date:	5/7/2002	Wetland Types(s):	PFO,PSS,PEM
Result:	Wetland provides diverse wildlife habitat		
Rationale:	More than one Cowardin class	Adjacent Water Quality limited stream	
	Dominated by woody vegetation	Adjacent land use is primarily agriculture	
	Greater than 1 acre of open water	Wetland buffer is greater than 40%	
Result:	Wetland's fish habitat function is impacted or degraded		
Rationale:	25-50% of stream is shaded	Adjacent Water Quality Limited stream	
	Stream is in a natural channel	Adjacent land use is primarily agriculture	
	>25% of stream has instream structures	Stream does not contain fish	
Result:	Wetland's water-quality function is intact		
Rationale:	Primary water source is surface flow	Wetland is more than 5 acres in size	
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture	
	High wetland vegetation cover	Adjacent Water Quality Limited stream	
Result:	Wetland's hydrologic control function is intact		
Rationale:	Wetland is within 100 year floodplain	Dominated by woody vegetation	
	Wetland floods/ponds in growing season	Development downslope of wetland	
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland	
Result:	Wetland is potentially sensitive to future impacts		
Rationale:	Stream not modified	Adjacent land use is primarily agriculture	
	Water is taken out or isolated wetland	Adjacent zoning is mostly open space	
	Adjacent Water Quality Limited stream	Dominated by woody vegetation	
Result:	Due to diverse wildlife habitat, this wetland cannot be enhanced		
Rationale:			
Result:	Wetland has educational uses		
Rationale:	Wetland is open to the public	Maintained public access within 250 feet	
	No visible hazards to public	Wetland is limited mobility accessible	
	Public access to other habitats exist		
Result:	Wetland provides recreational opportunities		
Rationale:	Maintained public access within 250 feet	Wetland provides diverse wildlife habitat	
	Boat launching within 1/2 mile	Fishing is allowed	
	Maintained trails, viewing areas exist	No hunting is allowed	
Result:	Wetland is considered to be pleasing		
Rationale:	More than two Cowardin classes are visible	Wetland surrounded by natural areas	
	Less than 25% of wetland can be seen	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):	4.68
Date:	5/7/2002	Wetland Type(s):	PFO,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"/>	Yes
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"/>	Yes
4 Is the wetland's <i>hydrologic control function intact</i> ?	<input type="checkbox"/>	Yes
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) <u>and</u> is the wetland's <i>water quality function intact, or impacted or degraded</i> ?	<input type="checkbox"/>	Yes
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"/>	Yes
Mandatory Locally Significant Wetland criteria satisfied ?		Yes

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

1 Does the wetland represent a locally unique native plant community <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

Locally Significant Wetland

Wetland Characterization Sheet



Project Name: Corvallis Natural Resource Inventory

		Wetland Code:	S-WIL-W-9
Date(s) of field work:	5/7/2002	Size (acres):	4.68
Data Sheet Numbers:	OFF-SITE	Cowardin Class(es):	PFO,PSS,PEM
Investigator(s):	LW	HGM Class(es):	RFT,RI, DO

Location -- Legal:	T. 12S, R.5W, S. 2, 11
Other:	Willamette Park, south of Marys River
Tax Lots:	See accompanying table
Hydrologic basin:	WILLAMETTE RIVER
Soil -- Mapped series:	Mixed alluvial land
Hydrologic Source:	Surface water

Dominant Wetland Vegetation			
TREES / SHRUBS		VINES / HERBS	
<i>Fraxinus latifolia</i>	Oregon Ash	<i>Urtica dioica</i>	Stinging Nettle
<i>Rosa pisocarpa</i>	Clustered Wild Rose	<i>Phalaris arundinacea</i>	Reed Canary Grass
<i>Salix lasiandra</i>	Pacific Willow	<i>Carex obnupta</i>	Slough Sedge
<i>Populus trichocarpa</i>	Black Cottonwood	<i>Dipsacus sylvestris</i>	Teasel
<i>Cornus stolonifera</i>	Red-Osier Dogwood	<i>Solanum dulcamara</i>	Bittersweet Nightshade
<i>Crataegus douglasii</i>	Douglas' Hawthorn	<i>Carex deweyana</i>	Dewey's Sedge
<i>Spiraea douglasii</i>	Douglas' Spiraea	<i>Ranunculus uncinatus</i>	Little Butter-Cup
		<i>Rumex crispus</i>	Curly Dock

Comments: Locally Significant Wetland
 Willamette Park adjacent to the Willamette River. Wetland determination completed for the park in May 2002. Series of old gravel pits and overflow channels within floodplain of the Willamette River. Connection to Essential Salmonid Habitat river. During high water the ponds and swales are interconnected by flowing water, drying up through the summer. Mosaic of 40% wetland and 60% upland. Zoned Open Space-Conservation. DSL WD # 97-
 Adjacent Upland species: *Acer macrophyllum*, *Oemleria cerasiformis*, *Rubus discolor*, *Symphoricarpos albus*, *Tanacetum vulgare*, *Rubus ursinus*, *Brachypodium sylvaticum*, *Daucus carota*, *Hedera helix*, *Danthonia californica*

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	