

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-SQU-M60-2
Project Location:	Benton County	Wetland Type(s):	PFO,PSS,PEM
Date(s) of field work:	8/13/2002	Approx. Area (acres):	22.94
Onsite Assessment?:	Partial	Investigator(s):	CF/PF
Wetland Location:	North of Country Club, south of Hwy. 34, east of Research Way		

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	A	Q-1	C	Q-1	A	Q-1	B
Q-2	A	Q-2	A	Q-2	A	Q-2	A	Q-2	B
Q-3	A	Q-3	A	Q-3	A	Q-3	A	Q-3	C
Q-4	C	Q-4	A	Q-4	A	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	A	Q-5	A
Q-6	A	Q-6	B	Q-6	C	Q-6	A	Q-6	A
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

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

Function and Condition Assessment Answers

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

Results:

Enhancement Potential	Wetland has high enhancement potential
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



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Location:	Benton County	Approx. Area (acres):	22.94
Date:	8/13/2002	Wetland Types(s):	PFO,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 less than 10%	
Result:	Wetland's fish habitat function is intact		
Rationale:	50% or more of stream is shaded	No adjacent Water Quality Limited streams	
	Stream is in a natural channel	Adjacent land is mostly developed	
	>25% of stream has instream structures	Warmwater fish present in stream	
Result:	Wetland's water-quality function is impacted or degraded		
Rationale:	Primary water source is groundwater	Wetland is more than 5 acres in size	
	Wetland floods/ponds in growing season	Adjacent land is mostly developed	
	High wetland vegetation cover	No adjacent Water Quality Limited streams	
Result:	Wetland's hydrologic control function is intact		
Rationale:	Wetland is within 100 year floodplain	Dominated by woody vegetation	
	Wetland floods/ponds in growing season	Development downslope of wetland	
	Water has unrestricted flow out of wetland	Development upslope of wetland	
Result:	Wetland is potentially sensitive to future impacts		
Rationale:	Stream 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 greater than 5 acres	
	Primary water source is groundwater	Wetland buffer is less than 10%	
	Water flow is permanently restricted	Potentially sensitive to future impacts	
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 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 pleasing		
Rationale:	More than two Cowardin classes are visible	Wetland surrounded by landscaped areas	
	25 - 50% of wetland can be seen	Natural odors present at wetland	
	No visual detractors are present	Continuous traffic and natural noises occur	

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)



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Date:	8/13/2002	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		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		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> ?		No
2 Is the wetland's <i>fish habitat function intact</i> ?	Yes	
3 Is the wetland's <i>water quality function intact</i> ?		No
4 Is the wetland's <i>hydrologic control function intact</i> ?	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> ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids <u>and</u> is the wetland's <i>fish habitat function intact, or impacted or degraded</i> ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		Yes

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

1 Does the wetland represent a locally unique native plant community <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> .		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> ?		No
Optional Locally Significant Wetland criteria satisfied ?		No

Locally Significant Wetland

Wetland Characterization Sheet



Project Name: Corvallis Natural Resource Inventory

		Wetland Code:	WC-SQU-M60-2
Date(s) of field work:	8/13/2002	Size (acres):	22.94
Data Sheet Numbers:	181, 182	Cowardin Class(es):	PFO,PSS,PEM
Investigator(s):	CF/PF	HGM Class(es):	RI,S/F

Location -- Legal:	T. 12S, R. 5W, S. 3, 4
Other:	North of Country Club, south of Hwy. 34, east of Research Way
Tax Lots:	See accompanying table
Hydrologic basin:	SQUAW CREEK
Soil -- Mapped series:	Waldo silty clay loam
Hydrologic Source:	Precipitation, groundwater

Dominant Wetland Vegetation			
TREES / SHRUBS		VINES / HERBS	
<i>Fraxinus latifolia</i>	Oregon Ash	<i>Alopecurus pratensis</i>	Meadow Foxtail
		<i>Agrostis tenuis</i>	Colonial Bentgrass
		<i>Holcus lanatus</i>	Common Velvet Grass

Comments: Locally Significant Wetland
 Squaw Creek wetland (60%)/upland (40%) mosaic. North branch of Squaw Creek connects to south branch of creek in this area. Wetland is combination of emergent (15%), scrub shrub (10%), and forested (75%). Zoned Open Space-Conservation, residential and industrial. DSL WD #'s 91-141, 94-111, 94-325, 95-105, 95-0346.

Adjacent upland species: *Festuca arundinacea*, *Trifolium repens*, *Vicia tetrasperma*, *Rubus discolor*

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	