

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-W-16
Project Location:	Benton County	Wetland Type(s):	PEMf, PFO
Date(s) of field work:	9/5/2002	Approx. Area (acres):	47.32
Onsite Assessment?:	YES	Investigator(s):	CR/LW
Wetland Location:	Bald Hill Park, South of Oak Creek Dr., West of 53rd St.		

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

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
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 not 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	C	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	A	Q-3	A
Q-4	A	Q-4	A	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	A
Q-6	A	Q-6	A	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
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



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Location:	Benton County	Approx. Area (acres):	47.32
Date:	9/5/2002	Wetland Types(s):	PEMf, PFO
Result:	Wetland provides habitat for some wildlife species		
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams	
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture	
	Less than 0.5 acres of open water	Wetland buffer is less than 10%	
Result:	Fish habitat was not assessed for this wetland		
Rationale:			
Result:	Wetland's water-quality function is impacted or degraded		
Rationale:	Primary water source is precipitation	Wetland is more than 5 acres in size	
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture	
	Low 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	Herbaceous vegetation, no ponding	
	Wetland floods/ponds in growing season	Agriculture downslope of wetland	
	Water has unrestricted flow out of wetland	Open space upslope of wetland	
Result:	Wetland is not sensitive to future impacts		
Rationale:	Stream not modified	Adjacent land use is primarily agriculture	
	Water not taken out	Adjacent zoning is mostly open space	
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding	
Result:	Wetland has moderate potential for enhancement		
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres	
	Primary water source is precipitation	Wetland buffer is less than 10%	
	Water flow is permanently restricted	Wetland is not 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 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):	47.32
Date:	9/5/2002	Wetland Type(s):	PEMf, PFO

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> ?		No
3 Is the wetland's <i>water quality function intact</i> ?		No
4 Is the wetland's <i>hydrologic control function intact</i> ?		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> ?		No
6 Does the wetland contain a rare plant community?	No	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 ?		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> .		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

Does not satisfy the criteria, Not a Locally Significant Wetland

Wetland Characterization Sheet



Project Name: Corvallis Natural Resource Inventory

		Wetland Code:	WC-SQU-W-16
Date(s) of field work:	9/5/2002	Size (acres):	47.32
Data Sheet Numbers:	107, 109	Cowardin Class(es):	PEMf, PFO
Investigator(s):	CR, LW	HGM Class(es):	S/F, RFT

Location -- Legal:	T11S, R5W, Sec. 32
Other:	Bald Hill Park, South of Oak Creek Dr., West of 53rd St.
Tax Lots:	See accompanying table
Hydrologic basin:	SQUAW CREEK
Soil -- Mapped series:	Coburg silty clay loam, Dayton silt loam, Witham silty clay loam, 2-7% slopes, W
Hydrologic Source:	Precipitation

Dominant Wetland Vegetation			
TREES / SHRUBS		VINES / HERBS	
<i>Fraxinus latifolia</i>	Oregon Ash	<i>Solanum dulcamara</i>	Bittersweet Nightshade
<i>Salix lasiandra</i>	Pacific Willow	<i>Rumex crispus</i>	Curly Dock
<i>Salix hookeriana</i>	Hooker Willow	<i>Bidens cernua</i>	Nodding Beggar-Ticks
<i>Alnus rubra</i>	Red Alder	<i>Agrostis tenuis</i>	Colonial Bentgrass
		<i>Carex densa</i>	Dense Sedge
		<i>Rumex conglomeratus</i>	Clustered Dock

Comments:
PARTIAL OFF-SITE. Located within and adjacent to Bald Hill Park. Majority of the wetland is composed of farmed wetland seeded with perennial ryegrass; Oregon ash dominated forested wetland is present along the eastern edge. Primary hydrologic influence appears to be precipitation; also includes seasonal drainage from upslopes portions of Bald Hill. Zoning includes open space-conservation and residential.
 Adjacent upland species: *Lolium perenne*, *Festuca arundinacea*, *Daucus carota*, *Rubus discolor*, *Lactuca serriola*, *Hypochaeris radicata*, *Cirsium arvense*, and *Rhus diversiloba*.

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