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-W-29**
Project Location:	Benton County	**Wetland Type(s):**	PSS,PEM

Date(s) of field work:	9/16/2002	**Approx. Area (acres):**	7.55
Onsite Assessment?:	YES	**Investigator(s):**	CR/JVS
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	**A**	Q-1	**B**	Q-1	**A**	Q-1	**B**
Q-2	**C**	Q-2	**B**	Q-2	**A**	Q-2	**A**	Q-2	**B**
Q-3	**B**	Q-3	**B**	Q-3	**B**	Q-3	**A**	Q-3	**C**
Q-4	**C**	Q-4	**A**	Q-4	**A**	Q-4	**C**	Q-4	**B**
Q-5	**A**	Q-5	**B**	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	**B**		
Q-8	**B**								
Q-9A									
Q-9B	**A**								

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 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	**B**	Q-1	**A**	Q-1	**A**
Q-2	**C**	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	**A**
Q-5B	**A**	Q-5	**A**	Q-5	**B**	Q-5	**A**
Q-6	**A**	Q-6	**A**	Q-6	**B**	Q-6	**A**

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland has potential for educational use
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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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 greater than 40%
Result:	**Wetland's fish habitat function is intact**	
Rationale:	50% or more of stream is shaded	No adjacent Water Quality Limited streams
	Only portions of stream are modified	Adjacent land use is primarily agriculture
	10-25% of stream has instream structures	Salmon and/or trout present in stream
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
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is 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	Agriculture 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 high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is precipitation	Wetland buffer is greater than 40%
	Water flow is permanently restricted	Wetland is not sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland access by landowner permission	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 natural 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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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 *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?	Yes	
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		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) and is the wetland's *water quality function intact, or impacted or degraded* ?		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?	Yes	
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	
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 and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Wetland Characterization Sheet

Project Name: Corvallis Natural Resource Inventory

		Wetland Code:	**WC-OAK-W-29**
Date(s) of field work:	**9/16/2002**	Size (acres):	**7.55**
Data Sheet Numbers:	**109, 121,115,119**	Cowardin Class(es):	**PSS,PEM**
Investigator(s):	**CR/JVS**	HGM Class(es):	**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:	**OAK CREEK**
Soil -- Mapped series:	**Bashaw clay**
Hydrologic Source:	**Precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Fraxinus latifolia	**Oregon Ash**	***Typha latifolia***	**Common Cattail**
Salix hookeriana	**Hooker Willow**	***Epilobium watsonii***	**Watson's Willow-Herb**
		Dipsacus sylvestris	**Teasel**
		Deschampsia cespitosa	**Tufted Hairgrass**

Comments: **Locally Significant Wetland**

Located in the northern portion of Bald Hill Park, along the east side of the paved trail. Mulkey Creek transects the southern half of the wetland from west to east. PSS/PEM wetland encompass the stream. Mosaic of approximately 70% upland and 30% wetland in the northern half of the site, and primarily wet meadow wetland in the southern half of the site. Primary source of hydrology appears to be precipitation. Zoned open space-conservation. Nelsons checkermallow may be in this area (state and federal listed threatened species). WETLAND OF SPECIAL INTEREST FOR PROTECTION.

Adjacent upland species: *Madia glomerata, Lolium perenne, Daucus carota, Festuca arundinacea.*

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