

# Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

## Wetland Assessment Summary Sheet



Pacific Habitat Services, Inc.

<b>Project Name:</b>	Corvallis Natural Resource Inventory	<b>Wetland:</b>	WC-OAK-W-19
<b>Project Location:</b>	Benton County	<b>Wetland Type(s):</b>	PFO,PSS,PEM
<b>Date(s) of field work:</b>	7/19/2002	<b>Approx. Area (acres):</b>	1.09
<b>Onsite Assessment?:</b>	YES	<b>Investigator(s):</b>	ME/SE
<b>Wetland Location:</b>	East of Walnut Boulevard, south of Elmwood Drive		

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

### Results:

<b>Wildlife Habitat</b>	Wetland provides habitat for some wildlife species
<b>Fish Habitat</b>	Fish habitat was not assessed for this wetland
<b>Water Quality</b>	Wetland's water-quality function is impacted or degraded
<b>Hydrologic Control</b>	Wetland's hydrologic control function is lost or not present
<b>Sensitivity to Impact</b>	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	A
Q-2	C	Q-2	A	Q-2	C	Q-2	C
Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	A
Q-5B	B	Q-5	C	Q-5	B	Q-5	A
Q-6	A	Q-6	B	Q-6	B	Q-6	A

### Results:

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

# Oregon Freshwater Wetland Assessment Methodology

## Functions and Conditions Summary Sheet



<b>Project:</b>	Corvallis Natural Resource Inventory	<b>Wetland:</b>	<b>WC-OAK-W-19</b>
<b>Location:</b>	Benton County	<b>Approx. Area (acres):</b>	1.09
<b>Date:</b>	7/19/2002	<b>Wetland Types(s):</b>	PFO,PSS,PEM
<b>Result:</b>	<b>Wetland provides habitat for some wildlife species</b>		
<b>Rationale:</b>	More than one Cowardin class	No adjacent Water Quality limited streams	
	Herbaceous vegetation, no ponding	Adjacent land is primarily open space	
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%	
<b>Result:</b>	<b>Fish habitat was not assessed for this wetland</b>		
<b>Rationale:</b>			
<b>Result:</b>	<b>Wetland's water-quality function is impacted or degraded</b>		
<b>Rationale:</b>	Primary water source is precipitation	Surface water connection to other wetlands	
	Wetland floods/ponds in growing season	Adjacent land is primarily open space	
	Low vegetation cover	No adjacent Water Quality Limited streams	
<b>Result:</b>	<b>Wetland's hydrologic control function is lost or not present</b>		
<b>Rationale:</b>	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding	
	Wetland floods/ponds in growing season	Open space downslope of development	
	Water has unrestricted flow out of wetland	Open space upslope of wetland	
<b>Result:</b>	<b>Wetland is not sensitive to future impacts</b>		
<b>Rationale:</b>	Stream not modified	Adjacent land is primarily open space	
	Water not taken out	Adjacent zoning is mostly open space	
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding	
<b>Result:</b>	<b>Wetland has high enhancement potential</b>		
<b>Rationale:</b>	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres	
	Primary water source is precipitation	Wetland buffer is between 10% and 40%	
	Water flow is permanently restricted	Wetland is not sensitive to future impacts	
<b>Result:</b>	<b>Wetland site is not appropriate for educational use</b>		
<b>Rationale:</b>	No access allowed to wetland	No access point to wetland exists	
	No visible hazards to public	Wetland is not limited mobility accessible	
	Other habitats can be observed not accessed		
<b>Result:</b>	<b>Wetland is not appropriate or does not provide rec. opportunities</b>		
<b>Rationale:</b>	No access point to wetland exists	Wetland provides habitat for some wildlife	
	No boat launching can be developed	No fishing is allowed	
	No trails or viewing areas exist	No hunting is allowed	
<b>Result:</b>	<b>Wetland is considered to be pleasing</b>		
<b>Rationale:</b>	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)



<b>Project Name:</b>	Corvallis Natural Resource Inventory	<b>Wetland:</b>	<b>WC-OAK-W-19</b>
<b>Project Location:</b>	Benton County	<b>Approx. Area (acres):</b>	1.09
<b>Date:</b>	7/19/2002	<b>Wetland Type(s):</b>	PFO,PSS,PEM

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

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

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

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

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

<b>1</b> 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
<b>2</b> 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
<b>Optional Locally Significant Wetland criteria satisfied ?</b>		<b>No</b>

**Does not satisfy the criteria, Not a Locally Significant Wetland**

# Wetland Characterization Sheet



**Project Name: Corvallis Natural Resource Inventory**

		Wetland Code:	<b>WC-OAK-W-19</b>
Date(s) of field work:	<b>7/19/2002</b>	Size (acres):	<b>1.09</b>
Data Sheet Numbers:	<b>48, 49</b>	Cowardin Class(es):	<b>PFO,PSS,PEM</b>
Investigator(s):	<b>ME/SE</b>	HGM Class(es):	<b>S/F</b>

Location -- Legal:	<b>T. 11S, R. 5W, S. 28</b>
Other:	<b>East of Walnut Boulevard, south of Elmwood Drive</b>
Tax Lots:	<b>See accompanying table</b>
Hydrologic basin:	<b>Oak Creek</b>
Soil -- Mapped series:	<b>Bashaw clay</b>
Hydrologic Source:	<b>groundwater, precipitation</b>

<b>Dominant Wetland Vegetation</b>			
<b>TREES / SHRUBS</b>		<b>VINES / HERBS</b>	
		<i>Centaurium umbellatum</i>	<b>Common Centaury</b>
		<i>Holcus lanatus</i>	<b>Common Velvet Grass</b>
		<i>Agrostis tenuis</i>	<b>Colonial Bentgrass</b>
		<i>Juncus effusus</i>	<b>Soft Rush</b>
		<i>Alopecurus pratensis</i>	<b>Meadow Foxtail</b>

**Comments:**  
 The wetland is upslope and adjacent to Oak Creek and includes palustrine scrub-shrub (20%), and emergent (80%) communities. The wetland is connected by a shallow channel. Zoned Open Space - Agriculture and owned by OSU. The wetland is not grazed but the adjacent land use is undeveloped open space.

Adjacent upland species: *Festuca arundinacea*, *Daucus carota*, *Vicia tetrasperma*, *Parentucellia viscosa*, *Centaurium umbellatum*, *Chrysanthemum leucanthemum*, *Hypericum perforatum*

<b>COWARDIN CODES:</b>	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
<b>HGM CODES:</b>	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	