

# 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>	S-MAR-W-15
<b>Project Location:</b>	Benton County	<b>Wetland Type(s):</b>	PEM
<b>Date(s) of field work:</b>	8/1/2002	<b>Approx. Area (acres):</b>	16.33
<b>Onsite Assessment?:</b>	YES	<b>Investigator(s):</b>	SE/ME
<b>Wetland Location:</b>	Southeast of Brooklane, west 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	B	Q-1	B	Q-1	B	Q-1	A	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	B	Q-3	A	Q-3	A
Q-4	C	Q-4	C	Q-4	A	Q-4	C	Q-4	C
Q-5	A	Q-5	A	Q-5	C	Q-5	C	Q-5	C
Q-6	A	Q-6	C	Q-6	A	Q-6	C	Q-6	C
Q-7	C					Q-7	B		
Q-8	A								
Q-9A									
Q-9B	A								

### Results:

<b>Wildlife Habitat</b>	Wetland provides habitat for some wildlife species
<b>Fish Habitat</b>	Wetland's fish habitat function is impacted or degraded
<b>Water Quality</b>	Wetland's water-quality function is impacted or degraded
<b>Hydrologic Control</b>	Wetland's hydrologic control is impacted or degraded
<b>Sensitivity to Impact</b>	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	C	Q-2	A	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	C	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	B	Q-6	A	Q-6	B	Q-6	A

### Results:

<b>Enhancement Potential</b>	Wetland has high enhancement potential
<b>Education</b>	Wetland has educational uses
<b>Recreation</b>	Wetland has the potential to provide recreational activities
<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>	S-MAR-W-15
<b>Location:</b>	Benton County	<b>Approx. Area (acres):</b>	16.33
<b>Date:</b>	8/1/2002	<b>Wetland Types(s):</b>	PEM
<b>Result:</b>	<b>Wetland provides habitat for some wildlife species</b>		
<b>Rationale:</b>	One Cowardin class with > 5 species	Adjacent Water Quality limited stream	
	Herbaceous vegetation, no ponding	Adjacent land is primarily open space	
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%	
<b>Result:</b>	<b>Wetland's fish habitat function is impacted or degraded</b>		
<b>Rationale:</b>	25-50% of stream is shaded	Adjacent Water Quality Limited stream	
	Stream banks are extensively modified	Adjacent land is primarily open space	
	<10% of stream has instream structures	Stream does not contain fish	
<b>Result:</b>	<b>Wetland's water-quality function is impacted or degraded</b>		
<b>Rationale:</b>	Primary water source is precipitation	Wetland is more than 5 acres in size	
	Wetland floods/ponds in growing season	Adjacent land is primarily open space	
	Moderate vegetation cover	Adjacent Water Quality Limited stream	
<b>Result:</b>	<b>Wetland's hydrologic control is impacted or degraded</b>		
<b>Rationale:</b>	Wetland is 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	Agriculture upslope of wetland	
<b>Result:</b>	<b>Wetland is potentially 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	
	Adjacent Water Quality Limited stream	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 greater than 5 acres	
	Primary water source is precipitation	Wetland buffer is greater than 40%	
	Water flow is permanently restricted	Potentially sensitive to future impacts	
<b>Result:</b>	<b>Wetland has educational uses</b>		
<b>Rationale:</b>	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		
<b>Result:</b>	<b>Wetland has the potential to provide recreational activities</b>		
<b>Rationale:</b>	Maintained public access within 250 feet	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	
	>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)



<b>Project Name:</b>	Corvallis Natural Resource Inventory	<b>Wetland:</b>	<b>S-MAR-W-15</b>
<b>Project Location:</b>	Benton County	<b>Approx. Area (acres):</b>	16.33
<b>Date:</b>	8/1/2002	<b>Wetland Type(s):</b>	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"/> Yes	<input type="checkbox"/>
<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"/> Yes	<input type="checkbox"/>
<b>Mandatory Locally Significant Wetland criteria satisfied ?</b>		<b>Yes</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>

**Locally Significant Wetland**

# Wetland Characterization Sheet



**Project Name: Corvallis Natural Resource Inventory**

		Wetland Code:	<b>S-MAR-W-15</b>
Date(s) of field work:	<b>8/1/2002</b>	Size (acres):	<b>16.33</b>
Data Sheet Numbers:	<b>215, 216, 217, 218</b>	Cowardin Class(es):	<b>PEM</b>
Investigator(s):	<b>SE/ME</b>	HGM Class(es):	<b>S/F</b>

Location -- Legal:	<b>T. 12S, R. 5W, S. 10</b>
Other:	<b>Southeast of Brooklane, west of Marys River</b>
Tax Lots:	<b>0</b>
Hydrologic basin:	<b>MARY'S RIVER</b>
Soil -- Mapped series:	<b>Malabon silty clay loam, Coburg silty clay loam</b>
Hydrologic Source:	<b>Precipitation</b>

<b>Dominant Wetland Vegetation</b>			
<b>TREES / SHRUBS</b>		<b>VINES / HERBS</b>	
<i>Fraxinus latifolia (sapling)</i>	<b>Oregon ash</b>	<i>Glyceria borealis</i>	<b>Northern Manna Grass</b>
		<i>Rumex crispus</i>	<b>Curly Dock</b>
		<i>Festuca rubra</i>	<b>Red Fescue</b>
		<i>Holcus lanatus</i>	<b>Common Velvet Grass</b>
		<i>Deschampsia cespitosa</i>	<b>Tufted Hairgrass</b>

**Comments: Locally Significant Wetland**  
 The wetland is located south of Brooklane Drive and west of the Mary's River. It is a palustrine emergent system with a ditch that flows south to the Mary's River. DSL WD # 95-0059.

Adjacent upland species: Pinus ponderosa, Crataegus monogyna, Pseudotsuga menziesii, Daucus carota, Epilobium brachycarpum, Chrysanthemum leucanthemum, Lotus purshiana, Hypericum perforatum, Cirsium arvense

<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	