

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet



Pacific Habitat Services, Inc.

Project Name:	Corvallis Natural Resource Inventory	Wetland:	S-MAR-M50-10
Project Location:	Benton County	Wetland Type(s):	PFO,PSS
Date(s) of field work:	9/19/2002	Approx. Area (acres):	2.62
Onsite Assessment?:	NO	Investigator(s):	FS/ME
Wetland Location:	South side of Marys River at Willamette River, east of Hwy. 99		

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

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 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	C	Q-1	A	Q-1	B
Q-2	B	Q-2	A	Q-2	A	Q-2	B
Q-3		Q-3	B	Q-3	B	Q-3	A
Q-4	B	Q-4	A	Q-4	B	Q-4	A
Q-5B	A	Q-5	A	Q-5	A	Q-5	A
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology

Functions and Conditions Summary Sheet



Project:	Corvallis Natural Resource Inventory	Wetland:	S-MAR-M50-10
Location:	Benton County	Approx. Area (acres):	2.62
Date:	9/19/2002	Wetland Types(s):	PFO,PSS
Result:	Wetland provides habitat for some wildlife species		
Rationale:	More than one Cowardin class	Adjacent Water Quality limited stream	
	Dominated by woody vegetation	Adjacent land is mostly developed	
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%	
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 groundwater	Surface water connection to other wetlands	
	Can't determine if wetland floods or ponds	Adjacent land is mostly developed	
	High wetland vegetation cover	Adjacent Water Quality Limited stream	
Result:	Wetland's hydrologic control is impacted or degraded		
Rationale:	Wetland is within 100 year floodplain	Dominated by woody vegetation	
	Can't determine if wetland floods or ponds	Open space downslope of development	
	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	
	Adjacent Water Quality Limited stream	Dominated by woody vegetation	
Result:	Wetland has high enhancement potential		
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres	
	Primary water source is groundwater	Wetland buffer is greater than 40%	
	Water flow is permanently restricted	Potentially sensitive to future impacts	
Result:	Wetland site is not appropriate for educational use		
Rationale:	No access allowed to wetland	Maintained public access within 250 feet	
	No visible hazards to public	Wetland is not 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	
	Boat launching within 1/2 mile	Fishing is allowed	
	Unmaintained trails, viewing areas exist	No hunting is allowed	
Result:	Wetland is considered to be moderately pleasing		
Rationale:	Two Cowardin classes 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)



Project Name:	Corvallis Natural Resource Inventory	Wetland:	S-MAR-M50-10
Project Location:	Benton County	Approx. Area (acres):	2.62
Date:	9/19/2002	Wetland Type(s):	PFO,PSS

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	<input type="checkbox"/>	No
b. is used for active surface mining or as a log pond	<input type="checkbox"/>	No
c. is a ditch without a free and open connection to natural waters of the state	<input type="checkbox"/>	No
d. is less than 1 acre and created unintentionally from irrigation or construction	<input type="checkbox"/>	No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard	<input type="checkbox"/>	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)	<input type="checkbox"/>	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> ?	<input type="checkbox"/>	No
2 Is the wetland's <i>fish habitat function intact</i> ?	<input type="checkbox"/>	No
3 Is the wetland's <i>water quality function intact</i> ?	<input type="checkbox"/>	No
4 Is the wetland's <i>hydrologic control function intact</i> ?	<input type="checkbox"/>	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> ?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6 Does the wetland contain a rare plant community?	<input type="checkbox"/>	No
7 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
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> ?	<input type="checkbox"/>	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> .	<input type="checkbox"/>	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> ?	<input type="checkbox"/>	No
Optional Locally Significant Wetland criteria satisfied ?		No

Locally Significant Wetland

Wetland Characterization Sheet



Project Name: Corvallis Natural Resource Inventory

		Wetland Code:	S-MAR-M50-10
Date(s) of field work:	9/19/2002	Size (acres):	2.62
Data Sheet Numbers:	OFF-SITE	Cowardin Class(es):	PFO,PSS
Investigator(s):	FS/ME	HGM Class(es):	RTF, F

Location -- Legal:	T. 12S, R. 5W, S. 2
Other:	South side of Marys River at Willamette River, east of Hwy. 99
Tax Lots:	See accompanying table
Hydrologic basin:	MARYS RIVER
Soil -- Mapped series:	Chehalis silty clay loam
Hydrologic Source:	Groundwater, surface water

Dominant Wetland Vegetation			
TREES / SHRUBS		VINES / HERBS	
<i>Fraxinus latifolia</i>	Oregon Ash	<i>Solanum dulcamara</i>	Bittersweet Nightshade
<i>Populus trichocarpa</i>	Black Cottonwood	<i>Phalaris arundinacea</i>	Reed Canary Grass
<i>Salix hookeriana</i>	Hooker Willow		
<i>Salix lasiandra</i>	Pacific Willow		
<i>Crataegus douglasii</i>	Douglas' Hawthorn		

Comments: Locally Significant Wetland
 Offsite - Wetland is located along the south edge of the Mary's River, just west of where it converges with the Willamette River, and east of Highway 99 West. This system is a mosaic of 50% wetland and 50% upland with palustrine forested (90%) and shrub-shrub (10%) communities. DSL WD # 97-0167.

Adjacent upland species: *Populus trichocarpa*, *Crataegus monogyna*, *Rubus ursinus*, *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	