

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-W-1
Project Location:	Benton County	Wetland Type(s):	PEMf
Date(s) of field work:	9/6, 11/4, 11/6/2002	Approx. Area (acres):	212.67
Onsite Assessment?:	YES	Investigator(s):	SE/ME
Wetland Location:	West of Corvallis Airport, south of Airport Road.		

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	C	Q-1		Q-1	B	Q-1	A	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	A	Q-3	C
Q-4	C	Q-4		Q-4	A	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
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 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	C	Q-1	C
Q-2	C	Q-2	C	Q-2	C	Q-2	C
Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	A	Q-4	C	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6	B	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 not aesthetically pleasing

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Functions and Conditions Summary Sheet



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Location:	Benton County	Approx. Area (acres):	212.67
Date:	9/6, 11/4, 11/6/2002	Wetland Types(s):	PEMf
Result:	Wetland provides habitat for some wildlife species		
Rationale:	One Class with less than 5 species	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 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 potentially sensitive to future impacts		
Rationale:	Stream not modified	Adjacent land use is primarily agriculture	
	Water not taken out	Adjacent zoning is primarily development	
	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	Potentially 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	
	More than 2 visible safety hazards	Wetland is not limited mobility accessible	
	No access or observation of other habitats		
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	
	No trails or viewing areas exist	No hunting is allowed	
Result:	Wetland is not aesthetically pleasing		
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas	
	Less than 25% of wetland can be seen	Natural odors present at wetland	
	Visual detractors present, can't be removed	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	<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"/>	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 ?		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> .	<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

Does not satisfy the criteria, Not a Locally Significant Wetland

Wetland Characterization Sheet



Project Name: Corvallis Natural Resource Inventory

		Wetland Code:	S-MAR-W-1
Date(s) of field work:	9/6, 11/4, 11/6/2002	Size (acres):	212.67
Data Sheet Numbers:	55, 57,64,175,191,197,243	Cowardin Class(es):	PEMf
Investigator(s):	SE/ME	HGM Class(es):	Flats

Location -- Legal:	T. 12S, R. 5W, S. 27
Other:	West of Corvallis Airport, south of Airport Road.
Tax Lots:	See accompanying table
Hydrologic basin:	MARY'S RIVER
Soil -- Mapped series:	Dayton, Amity, Willamette silt loams, Coburg silty clay loam
Hydrologic Source:	Precipitation, groundwater

Dominant Wetland Vegetation			
TREES / SHRUBS		VINES / HERBS	
		<i>Eleocharis ovata</i>	Ovate Spikerush
		<i>Agrostis stolonifera</i>	Spreading Bentgrass
		<i>Digitaria sanguinalis</i>	Hairy Crabgrass
		<i>Echinochloa crusgalli</i>	Large Barnyard Grass
		<i>Polygonum persicaria</i>	Lady's Thumb
		<i>Agricultural fields - mixed grass species.</i>	

Comments:
 Palustrine emergent wetland/wet meadow areas form a mosaic of wetland in agricultural areas bordering the west side of the airport. Fields are dominated with seed crops. The field west of the air field was recently disked so soils were disturbed and vegetation was lacking. Aerial photography and mapped soils were the primary basis for the mapping of wetland in that area. Zoned public institutional and industrial. Also labeled S-DRY-W-3.
 Adjacent upland species: *Lolium perenne*, *Festuca arundinacea*, *Daucus carota*, *Conium maculatum*, *Hypochaeris radicata*

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
HS = Headwater Slope	VS = Valley Slope	FL = Flats	