

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-31 |
| Project Location: | Benton County | Wetland Type(s): | PFO,PSS,PEM |
| Date(s) of field work: | 9/16/2002 | Approx. Area (acres): | 32.06 |
| Onsite Assessment?: | YES | Investigator(s): | CR/JVS |
| Wetland Location: | South of Oak Creek Dr., north of Bald Hill Park. | | |

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

Results:

| | |
|------------------------------|--|
| Wildlife Habitat | Wetland provides diverse wildlife habitat |
| 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 | B | Q-1 | A | Q-1 | A |
| Q-2 | | Q-2 | A | Q-2 | C | Q-2 | B |
| Q-3 | | Q-3 | A | Q-3 | C | Q-3 | A |
| Q-4 | | Q-4 | B | Q-4 | A | Q-4 | A |
| Q-5B | | Q-5 | A | Q-5 | B | Q-5 | A |
| Q-6 | | Q-6 | A | Q-6 | B | Q-6 | A |

Results:

| | |
|------------------------------|--|
| Enhancement Potential | Due to diverse wildlife habitat, this wetland cannot be enhanced |
| Education | Wetland has potential for educational use |
| Recreation | Wetland provides recreational opportunities |
| Aesthetic Quality | Wetland is considered to be pleasing |

Oregon Freshwater Wetland Assessment Methodology

Functions and Conditions Summary Sheet



| | | | |
|-------------------|---|---|--------------------|
| Project: | Corvallis Natural Resource Inventory | Wetland: | WC-OAK-W-31 |
| Location: | Benton County | Approx. Area (acres): | 32.06 |
| Date: | 9/16/2002 | Wetland Types(s): | PFO,PSS,PEM |
| Result: | Wetland provides diverse wildlife habitat | | |
| Rationale: | More than one Cowardin class | No adjacent Water Quality limited streams | |
| | Herbaceous vegetation & ponding | Adjacent land use is primarily agriculture | |
| | 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 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 not within 100 year floodplain | Herbaceous vegetation & 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 & ponding | |
| Result: | Due to diverse wildlife habitat, this wetland cannot be enhanced | | |
| Rationale: | | | |
| 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 | |
| | Other habitats can be observed not accessed | | |
| Result: | Wetland provides recreational opportunities | | |
| Rationale: | Maintained public access within 250 feet | Wetland provides diverse wildlife habitat | |
| | No boat launching can be developed | No fishing is allowed | |
| | No trails or 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)



| | | | |
|--------------------------|--------------------------------------|------------------------------|--------------------|
| Project Name: | Corvallis Natural Resource Inventory | Wetland: | WC-OAK-W-31 |
| Project Location: | Benton County | Approx. Area (acres): | 32.06 |
| Date: | 9/16/2002 | Wetland Types(s): | PFO,PSS,PEM |

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 <i>diverse wildlife habitat</i> ? | Yes | |
| 2 Is the wetland's <i>fish habitat function intact</i> ? | | No |
| 3 Is the wetland's <i>water quality function intact</i> ? | | No |
| 4 Is the wetland's <i>hydrologic control function intact</i> ? | | 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> ? | | 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 <u>and</u> is the wetland's <i>fish habitat function intact, or impacted or degraded</i> ? | | 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> . | | 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> ? | | 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-31 |
| Date(s) of field work: | 9/16/2002 | Size (acres): | 32.06 |
| Data Sheet Numbers: | 90, 93,97,103,106,117 | Cowardin Class(es): | PFO,PSS,PEM |
| Investigator(s): | CR/JVS | HGM Class(es): | F, RFT |

| | |
|------------------------|---|
| Location -- Legal: | T11S, R5W, Sec. 32 |
| Other: | South of Oak Creek Dr., north of Bald Hill Park. |
| Tax Lots: | See accompanying table |
| Hydrologic basin: | OAK CREEK |
| Soil -- Mapped series: | Bashaw clay, Dayton silt loam, Witham silty clay loam, 2-7% slopes |
| Hydrologic Source: | Precipitation |

| Dominant Wetland Vegetation | | | |
|------------------------------------|--------------------------|----------------------------|----------------------------|
| TREES / SHRUBS | | VINES / HERBS | |
| <i>Fraxinus latifolia</i> | Oregon Ash | <i>Agrostis tenuis</i> | Colonial Bentgrass |
| <i>Crataegus douglasii</i> | Douglas' Hawthorn | <i>Holcus lanatus</i> | Common Velvet Grass |
| <i>Rosa eglanteria</i> | Sweetbrier | <i>Dipsacus sylvestris</i> | Teasel |
| | | <i>Juncus bufonius</i> | Toad Rush |
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Comments: Locally Significant Wetland
 Actively grazed cattle pasture, primarily consists of PEM wetland with a PFO/PSS wetland encompassing a seasonal drainageway within the Oak Creek drainage basin. Zoned residential and located along the north side of Bald Hill Park. Primary hydrologic source appears to be precipitation. Nelsons checkermallow may be in this area (a state and federal listed threatened species). **WETLAND OF SPECIAL INTEREST FOR PROTECTION.**
 Adjacent upland species: *Festuca arundinacea*, *Trifolium pratense*, *Chrysanthemum leucanthemum*, *Rubus discolor*, *Crataegus monogyn* a.

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|----------------------------------|
| 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 | |