

ALBERTA LENTIC WETLAND HEALTH ASSESSMENT

(Derived from Alberta Lentic Wetland Inventory)

Record ID No: \_\_\_\_\_

Polygon No: \_\_\_\_\_

ADMINISTRATIVE DATA

A1. Field Data Collected by (Organization): \_\_\_\_\_
A2. Funding Agency/Organization: \_\_\_\_\_
A3. Date Field Data Collected: \_\_\_\_\_ A4. Year: \_\_\_\_\_ A5. Observers: \_\_\_\_\_
A6a. Is this site representative?: \_\_\_\_\_ If Yes, A6b. choose category: \_\_\_\_\_
A6c. How was this site chosen?: \_\_\_\_\_
A7a. Park(s)? (Yes; No): \_\_\_\_\_ A7b. Please Check all that apply: [ ] National [ ] Urban or Rural Municipalities
[ ] Provincial [ ] Other
A7c. Name? \_\_\_\_\_
A8a. Other Protected Areas? (Yes; No): \_\_\_\_\_ A8b. Please check all that apply: [ ] Ecological [ ] Conservation Easement
[ ] Environmental [ ] Other
[ ] Municipal
A8c. Name(s)/Other: \_\_\_\_\_
A9. Watershed Group Affiliation: \_\_\_\_\_ A10. Project Name: \_\_\_\_\_
A11. Is This Private Land? (Yes; No): \_\_\_\_\_ A11b. Owner's Name: \_\_\_\_\_
A12a. Is This Rented Private Land? (Yes; No): \_\_\_\_\_ A12b. Renter's Name: \_\_\_\_\_
A12c. Renter's Home Legal Land Description: \_\_\_\_\_ A12d. County, if different than polygon: \_\_\_\_\_
A13a. Is this Public Land? (Yes; No): \_\_\_\_\_ A13b. Type (Federal, Prov., Municipal): \_\_\_\_\_
A13c. Land Manager's Name: \_\_\_\_\_ A13d. Land Manager's Title, Office/Dept: \_\_\_\_\_
A14a. Is this part of a grazing lease or grazing reserve? (Yes; No): \_\_\_\_\_ A14b. Lessee Name: \_\_\_\_\_
A14c. Agricultural disposition No.: GRL: \_\_\_\_\_ GRP: \_\_\_\_\_ FGL: \_\_\_\_\_ Other: \_\_\_\_\_
A14d. Agricultural disposition Name (e.g., Community Pasture): \_\_\_\_\_
A15a. Has this polygon been inventoried before? (Yes; No): \_\_\_\_\_ A15b. Other years sampled: \_\_\_\_\_
A15c. Does this polygon coincide exactly with a previously inventoried polygon? (Yes; No): \_\_\_\_\_
A15d. ID No.(s) of other inventories of this exact polygon: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
A16a. Does this polygon share common area with other inventoried polygon(s), but is not exact? (Yes; No): \_\_\_\_\_
A16b. ID No.(s) of other records sharing area with this polygon: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
A17a. Has a change in management occurred? (Yes; No, Unknown): \_\_\_\_\_ If Yes, A17b. Year changed occurred: \_\_\_\_\_
A17c. Type of management change applied: \_\_\_\_\_
A18. Primary Contact (Include agency name): \_\_\_\_\_

LOCATION DATA

B1. Province: \_\_\_\_\_ B2. Municipality or Reserve Type: \_\_\_\_\_
B3a. Indian Reserve: \_\_\_\_\_ B3b. Military Reserve: \_\_\_\_\_
B4a. Rural or Specialized Municipality: \_\_\_\_\_ B4b. Hamlet: \_\_\_\_\_
B5a. City/Town/Village: \_\_\_\_\_ B5b. SubdivPlan #: \_\_\_\_\_ B5c. Block #: \_\_\_\_\_ B5d. Lot #: \_\_\_\_\_
B6a. Waterbody Name: \_\_\_\_\_ B6b. Side of Waterbody: \_\_\_\_\_
B7. Legal Land 1/4 1/4 Sec: 1/4 Sec: Section: Township (NS): Range (EW): Meridian:
Location: \_\_\_\_\_
B8a. Natural Region: \_\_\_\_\_ B8b. Sub-Region: \_\_\_\_\_
B9a. Major Watershed (e.g. North Saskatchewan River): \_\_\_\_\_
B9b. Minor Watershed (e.g. Battle River): \_\_\_\_\_
B9c. Sub-basin (e.g. Iron Creek): \_\_\_\_\_
B10a. UTM coordinates of polygon Upper end: Easting: \_\_\_\_\_; Northing: \_\_\_\_\_; Zone: \_\_\_\_\_ GPS Projection:
B10b. UTM coordinates of polygon Lower end: Easting: \_\_\_\_\_; Northing: \_\_\_\_\_; Zone: \_\_\_\_\_
B10c. UTM coordinates of any other point of interest in the polygon: East: \_\_\_\_\_; North: \_\_\_\_\_; Zone: \_\_\_\_\_
B10d. GPS Unit #: \_\_\_\_\_ WPt Upper: \_\_\_\_\_ WPt Lower: \_\_\_\_\_ WPt Other: \_\_\_\_\_
B10e. Comments: \_\_\_\_\_
B11a. Map Title(s): \_\_\_\_\_
B11b. Map Scale: \_\_\_\_\_ B11c. Map Year: \_\_\_\_\_
B12. Aerial Photo Info: Scale: \_\_\_\_\_ Date: \_\_\_\_\_ Job#: \_\_\_\_\_ Line#: \_\_\_\_\_
AS#: \_\_\_\_\_ Photo#: \_\_\_\_\_ Other Info: \_\_\_\_\_

**SELECTED SUMMARY DATA**

- C1.** Water body type: \_\_\_\_\_ **C2.** Polygon size (acres): \_\_\_\_\_ ; (hect): \_\_\_\_\_
- C3a.** Is the entire polygon an upland? (Yes; No): \_\_\_\_\_ If **No**, **C3b.** Does the polygon consist entirely of functional wetland types? (Yes; No): \_\_\_\_\_ **C3c.** Functional wetland (acres): \_\_\_\_\_ ; (hect): \_\_\_\_\_ **C3d.** Percent of total polygon: \_\_\_\_\_
- C4.** Does the polygon contain a defined shoreline? (Yes; No; NC): \_\_\_\_\_
- C5.** Polygon length (mi): \_\_\_\_\_ ; (km): \_\_\_\_\_ **C6.** Number of miles the polygon represents: \_\_\_\_\_ ; (km): \_\_\_\_\_
- C7a.** Average polygon wetland width (ft): \_\_\_\_\_ ; (m): \_\_\_\_\_
- C7b.** Polygon wetland width range (ft): \_\_\_\_\_ to \_\_\_\_\_ ; (m): \_\_\_\_\_ to \_\_\_\_\_

**C8. Habitat Types and Community Types**

Classification Type Name	Phase	Pct of Poly	Successional Stage or Comments/Guides Used
_____	_____	_____	_____
_____	_____	_____	_____

**LENTIC WETLAND HEALTH SCORESHEET**

**Note:** Numbers in parentheses refer to Lentic Wetland Inventory Form Items holding data being rated.

	<u>Actual Score</u>	<u>Possible Score</u>
1. Vegetative Cover of the Polygon (D12)	_____	_____
2a. Invasive Plant Species Canopy Cover (D13c)	_____	_____
2b. Invasive Plant Species Density Distribution (D13c)	_____	_____

List Invasive Plant Species present, including Percent Canopy Cover and Density Distribution Class:

	Can.Cov.	Dens.	Dist.		Can.Cov.	Dens.	Dist.		Can.Cov.	Dens.	Dist.
blueweed:	_____	_____	_____	field bindweed:	_____	_____	_____	spotted knapweed:	_____	_____	_____
Canada thistle:	_____	_____	_____	leafy spurge:	_____	_____	_____	tall buttercup:	_____	_____	_____
caragana:	_____	_____	_____	nodding thistle:	_____	_____	_____	tamarisk/salt cedar:	_____	_____	_____
cleavers:	_____	_____	_____	ox-eye daisy:	_____	_____	_____	white cockle:	_____	_____	_____
common burdock:	_____	_____	_____	perennial sow-thistle:	_____	_____	_____	yellow toadflax:	_____	_____	_____
common hound's-tongue:	_____	_____	_____	purple loosestrife:	_____	_____	_____				
common tansy:	_____	_____	_____	Russian knapweed:	_____	_____	_____				
Dalmatian Toadflax:	_____	_____	_____	Russian olive:	_____	_____	_____	Others:	_____	_____	_____
diffuse knapweed:	_____	_____	_____	scentless chamomile:	_____	_____	_____	Others:	_____	_____	_____
downy ches:	_____	_____	_____	smooth perennial sow-thistle:	_____	_____	_____				
European buckthorn:	_____	_____	_____								

2c. Are there elevated status species for this county? (Yes; No; NC):

Elevated Sps 1:	_____	Elevated Sps 2:	_____	Elevated Sps 3:	_____
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3. Disturbance-increaser Undesirable Herbaceous Species (D14b)	_____	_____
4. Preferred Tree and Shrub Establishment and Regeneration (D2 and D6b)	_____	_____
5a. Browse Util. of Preferred Trees and Shrubs (D5a and D6c)	_____	_____
5b. Woody Veg. Removal other than Browsing (D6e)	_____	_____
6. Human Alteration of Polygon Vegetation (F8)	_____	_____

**Vegetation Subtotal:** \_\_\_\_\_

7a. Percent of Polygon Physical Site Altered By Human Cause (F9a)	_____	_____
7b. Severity of Human Caused Alteration of Polygon Physical Site (F9d)	_____	_____
8. Human-Caused Bare Ground (F10b, c)	_____	_____
9. Degree of Artificial Change of Water Level (F4)	_____	_____

**Soil / Hydrology Subtotal:** \_\_\_\_\_

**Overall Polygon Total:** \_\_\_\_\_

**Rating Calculation:**

(Actual Score/Possible Score) X 100 = Rating Percent (%)

Descriptive Category

Vegetation Rating: \_\_\_\_\_ / \_\_\_\_\_ **100 =** \_\_\_\_\_

Soil / Hydrology: \_\_\_\_\_ / \_\_\_\_\_ **100 =** \_\_\_\_\_

**OVERALL:** \_\_\_\_\_ / \_\_\_\_\_ **100 =** \_\_\_\_\_

Rating Percent Range

80-100

60-79

<60

Descriptive Category

Proper Functioning Condition (Healthy)

Functional At Risk (Healthy, but with Problems)

Nonfunctional (Unhealthy)

**ADDITIONAL MANAGEMENT CONCERNS (OPTIONAL)**

	<u>Actual Score</u>	<u>Possible Score</u>
12. Overflow structure stability:	_____	_____
13. Polygon trend (Is the polygon: Improving, Degrading, Static, or Status Unknown?):	_____	

(If "status unknown" answer NA to the sub-questions D16b and D16c)

