

ALBERTA LENTIC WETLAND HEALTH ASSESSMENT

(Derived from Alberta Lentic Wetland Inventory)

Polygon Number: Record ID No: _____

ADMINISTRATIVE DATA

- A1.** Field Data Collected by (Organization): _____
- A2.** Funding Agency/Organization: _____
- A3.** Date Field Data Collected: _____ **A4.** Year: _____ **A5.** Observers: _____
- A6a.** Indian or Metis Reserve? (Yes; No): _____ **A6b.** Reserve Name: _____
- A7a.** Park(s)? (Yes; No): _____ **A7b.** Please Check all that apply: National Urban or Rural
 Provincial Other
- A7c.** Name? _____
- A8a.** Other Protected Areas? (Yes; No): _____ **A8b.** Please check all that apply: Ecological Municipal
 Environmental Other
- 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: _____

LOCATION DATA

- B1.** Province: _____ **B2.** County/Municipal District: _____
- B3a.** City/Town/Village: _____ **B3b.** SubdivPlan #: _____ **B3c.** Block #: _____ **B3d.** Lot #: _____
- B4.** Waterbody Name: _____
- B5.** Polygon number: _____ **B6.** Side of Waterbody: _____
- B7.** Legal Land Locatio 1/4 1/4 Sec: _____ 1/4 Sec: _____ Section: _____ Township (NS): _____ Range (EW): _____ Meridian: _____
- 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 North/West: Easting: _____; Northing: _____; Zone: _____ GPS Projection: _____
- B10b.** UTM coordinates of polygon South/East: 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
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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.
bladder campion:	_____	_____	_____	field bindweed:	_____	_____	_____	spotted knapweed:	_____	_____	_____
blueweed:	_____	_____	_____	leafy spurge:	_____	_____	_____	spreading dogbane:	_____	_____	_____
Canada thistle:	_____	_____	_____	nodding thistle:	_____	_____	_____	tall buttercup:	_____	_____	_____
caragana:	_____	_____	_____	ox-eye daisy:	_____	_____	_____	tamarisk/saltcedar:	_____	_____	_____
cleavers:	_____	_____	_____	perennial sow-thistle:	_____	_____	_____	white cockle:	_____	_____	_____
common hound's-tongue:	_____	_____	_____	purple loosestrife:	_____	_____	_____	yellow toadflax:	_____	_____	_____
common tansy:	_____	_____	_____	Russian knapweed:	_____	_____	_____				
dalmatian toadflax:	_____	_____	_____	Russian olive:	_____	_____	_____	Others:	_____	_____	_____
diffuse knapweed:	_____	_____	_____	scentless chamomile:	_____	_____	_____	Others:	_____	_____	_____
downy chess:	_____	_____	_____	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. Tree and Preferred Shrub Species 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 =	_____

<i>Rating Percent Range</i>	<i>Descriptive Category</i>
80-100	Proper Functioning Condition (Healthy)
60-79	Functional At Risk (Healthy, but with Problems)
<60	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?):	_____	

