

ALBERTA LENTIC WETLAND HEALTH ASSESSMENT (Survey)

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
A8c. Name(s)/Other: \_\_\_\_\_ [ ] Municipal
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 North/West END: Easting: \_\_\_\_\_; Northing: \_\_\_\_\_; Zone: \_\_\_\_\_ GPS Projection:
B10b. UTM coordinates South/East 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 width (ft): \_\_\_\_\_ ; (m): \_\_\_\_\_

**C7b.** Polygon wetland width range (ft): \_\_\_\_\_ to \_\_\_\_\_ ; (m): \_\_\_\_\_ to \_\_\_\_\_

**C8. Habitat Types and Community Types**

Classification Type Name	Phase	Percent of Polygon	Successional Stage or Comments/Guides Used
_____	_____	_____	_____
_____	_____	_____	_____

**OPTIONAL PHYSICAL SITE CHARACTERISTICS**

**D1a.** Does the polygon has potential for tall woody type(s)? (Yes, No): \_\_\_\_\_

**D1b.** Does the polygon has tall woody type(s) present? (Yes, No): \_\_\_\_\_

**D2a.** Tree **AND** shrub removal by other than browse: None (0-5%); Light (6-25%); Moderate (26-50%); Heavy (>50%); NA; NC: \_\_\_\_\_

**D2b.** Basis of Call: \_\_\_\_\_

**D3.** Waterbody number (FMIS/Hydro code): \_\_\_\_\_

**D4a.** Is water quality data available on this waterbody? (Yes, No, Unknown, NA): \_\_\_\_\_

If **Yes**, **D4b.** Describe the reference for that data (name, year, etc.): \_\_\_\_\_

**D5.** Detailed description of upper and lower ends and width (lateral boundaries) of the polygon:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**PHOTOGRAPH DATA (new layout as of 2018)**

Polygon Number: \_\_\_\_\_ Record ID No: \_\_\_\_\_

Photographer: \_\_\_\_\_ Camera Number: \_\_\_\_\_

**E1a. Benchmark photos (taken at the centre, north, east, south or west end of the polygon):** \_\_\_\_\_  
(Only record center photo in E1)

**E1b. Inner benchmark (taken at edge of open water or emergent vegetation if accessible and applicable)**

Benchmark Waypoint (BI): \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: **OUT** of Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

Photo #: **INTO** Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

**E1c. Secondary inner benchmark if needed; taken at future repeatable location**

If center photo taken in E1, include location on polygon of secondary benchmark (taken at north, east, south or west end of polygon): \_\_\_\_\_

Photo Waypoint (BM): \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: **OUT** of Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

Photo #: **INTO** Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

**E1d. Lateral benchmark (benchmarks taken at the lateral extent of the polygon)**

If center photo taken in E1, include location on polygon of lateral benchmark (taken at north, east, south or west end of polygon): \_\_\_\_\_

Photo Waypoint (BL): \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: **OUT** of Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

Photo #: **INTO** Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

**PHOTOGRAPH DATA (new layout as of 2018)**

Polygon Number: \_\_\_\_\_ Record ID No: \_\_\_\_\_

Photographer: \_\_\_\_\_ Camera Number: \_\_\_\_\_

**E2a. Benchmark photos (taken at the north, east, south or west end of the polygon):** \_\_\_\_\_

**E2b. Inner benchmark (taken at edge of open water or emergent vegetation if accessible and applicable)**

Benchmark Waypoint (BI): \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: **OUT** of Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

Photo #: **INTO** Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

**E2c. Secondary inner benchmark if needed; taken at future repeatable location**

If center photo taken in E1, include location on polygon of secondary benchmark (taken at north, east, south or west end of polygon): \_\_\_\_\_

Photo Waypoint (BM): \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: **OUT** of Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

Photo #: **INTO** Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

**E2d. Lateral benchmark (benchmarks taken at the lateral extent of the polygon)**

If center photo taken in E1, include location on polygon of lateral benchmark (taken at north, east, south or west end of polygon): \_\_\_\_\_

Photo Waypoint (BL): \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: **OUT** of Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

Photo #: **INTO** Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

**E3a.** Is there an adjacent polygon north and/or west of this polygon ? (Yes; No): \_\_\_\_\_ **E3b.** Adj. polygon name N/W: \_\_\_\_\_

**E4a.** Is there an adjacent polygon south and/or east of this polygon ? (Yes; No): \_\_\_\_\_ **E4b.** Adj. polygon name S/E: \_\_\_\_\_

**PHOTOGRAPH DATA (new layout as of 2018)**

Polygon Number: \_\_\_\_\_ Record ID No: \_\_\_\_\_

Photographer: \_\_\_\_\_ Camera Number: \_\_\_\_\_

**E5. Other photos or relevant waypoints of the polygon:**

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: Describe photo or waypoint: \_\_\_\_\_

**E6. Additional LENTIC photo page entered (Yes: No): \_\_\_\_\_**

**LENTIC WETLAND HEALTH ASSESSMENT SCORE SHEET**

Data Record ID: \_\_\_\_\_

Actual Score    Possible Score    Comment

Polygon Number: \_\_\_\_\_

- 1. Vegetative Cover of the Polygon \_\_\_\_\_
- 2a. Invasive Plant Species Canopy Cover \_\_\_\_\_
- 2b. Invasive Plant Species Density Distribution \_\_\_\_\_

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 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: \_\_\_\_\_

- 3. Disturbance-increaser Undesirable Herbaceous Species \_\_\_\_\_
- 4. Preferred Tree and Shrub Establishment and Regeneration \_\_\_\_\_
- 5a. Browse Util. of Preferred Trees and Shrubs \_\_\_\_\_
- 5b. Woody Veg. Removal other than Browsing \_\_\_\_\_
- 6. Human Alteration of Polygon Vegetation \_\_\_\_\_

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

- 7a. Percent of Polygon Physical Site Altered By Human Cause \_\_\_\_\_
- 7b. Severity of Human Caused Alteration of Polygon Physical Site \_\_\_\_\_
- 8. Human-Caused Bare Ground \_\_\_\_\_
- 9. Degree of Artificial Change of Water Level \_\_\_\_\_

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

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

**RATING CALCULATION**

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

Descriptive Category

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

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

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

Rating Percent Range	Descriptive Category
80-100	Proper Functioning Condition (Healthy)
60-79	Functional At Risk (Healthy, but with Problems)
<60	Nonfunctional (Unhealthy)

