

ALBERTA LENTIC WETLAND HEALTH ASSESSMENT (Survey)

Record ID No:

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

ADMINISTRATIVE DATA

- A1. Field data collected by (Organisation): \_\_\_\_\_
A2. Funding Agency/Organisation: \_\_\_\_\_
A3a. Indian or Metis Reserve? (Yes; No): \_\_\_\_\_ If Yes, Reserve Name: \_\_\_\_\_
A3b. National or Provincial Park, Preserve, or Sanctuary? (Yes; No): \_\_\_\_\_
If Yes, Name: \_\_\_\_\_
A3c. Environmental or Municipal Reserve (Exclude national or provincial reserves)? (Yes; No): \_\_\_\_\_
If Yes, Name: \_\_\_\_\_
A3d. Private or Deeded Land? (Yes; No): \_\_\_\_\_ A4. Observers: \_\_\_\_\_
A5a. Date field data collected: \_\_\_\_\_ A5b. Year: \_\_\_\_\_ A6a. Grazing lease or grazing reserve? (Yes; No): \_\_\_\_\_
If Yes, A6b. Grazing disposition No.: GRL: \_\_\_\_\_ GRP: \_\_\_\_\_
FGL: \_\_\_\_\_ Other: \_\_\_\_\_
A6c. Other Grazing Name (e.g. Community Pasture): \_\_\_\_\_
A7a. Is this the latest inventory for this polygon? (Yes; No): \_\_\_\_\_
A7b. At least some part of this polygon has been inventoried more than once (resampled)? (Yes; No): \_\_\_\_\_
If No, Go to item B1. If Yes, A7c. This polygon coincides exactly with another inventoried polygon? (Yes; No): \_\_\_\_\_
If No, Go to item A7f. If Yes, A7d. Other years sampled: \_\_\_\_\_
A7e. ID No.(s) of other inventories of this exact polygon: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
A7f. This polygon shares common area with other inventoried polygon(s), but is not exact? (Yes; No): \_\_\_\_\_
A7g. Other years: \_\_\_\_\_
A7h. ID No.(s) of other records sharing area with this polygon: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
A8a. Has a change in management occurred? (Yes; No, Unknown): \_\_\_\_\_ If Yes, A8b. Year changed occurred: \_\_\_\_\_
A8c. Type of management change applied: \_\_\_\_\_

LOCATION DATA

- B1. Province: \_\_\_\_\_ B2a. Natural Region: \_\_\_\_\_ B2b. Sub-Region: \_\_\_\_\_
B3. County/Municipal District: \_\_\_\_\_ B4a. City/Town/Village: \_\_\_\_\_
B4b. Subdivision Plan No.: \_\_\_\_\_ B4c. Block No.: \_\_\_\_\_ B4d. Lot No.: \_\_\_\_\_
B5. Allotment/Range Unit/Landowner/Lessee Name: \_\_\_\_\_
B6. Waterbody/Area Name: \_\_\_\_\_ B7. Polygon number: \_\_\_\_\_
B8. Location: 1/4 1/4 Sec: \_\_\_\_\_ 1/4 Sec: \_\_\_\_\_ Sec: \_\_\_\_\_
Township (NS): \_\_\_\_\_ Range (EW): \_\_\_\_\_ Meridian: \_\_\_\_\_ B9. Elev. (ft): \_\_\_\_\_ ; (m): \_\_\_\_\_
B10a. Major Watershed (e.g. North Saskatchewan River): \_\_\_\_\_
B10b. Minor Watershed (e.g. Battle River): \_\_\_\_\_
B10c. Minor Watershed Area (km²): \_\_\_\_\_ ; (hect): \_\_\_\_\_ B10d. Minor Watershed Perimeter (km): \_\_\_\_\_
B10e. Sub-basin (e.g. Iron Creek): \_\_\_\_\_
B11a. UTM coordinates of polygon North/West end: Easting: \_\_\_\_\_ ; Northing: \_\_\_\_\_ ; Zone: \_\_\_\_\_
B11b. UTM coordinates of polygon South/East end: Easting: \_\_\_\_\_ ; Northing: \_\_\_\_\_ ; Zone: \_\_\_\_\_
B11c. UTM coordinates of any other point of interest in the polygon: East: \_\_\_\_\_ ; North: \_\_\_\_\_ ; Zone: \_\_\_\_\_
B11d. GPS Unit #: \_\_\_\_\_ WPt Upper: \_\_\_\_\_ WPt Lower: \_\_\_\_\_ WPt Other: \_\_\_\_\_
B11e. Comments: \_\_\_\_\_
B12a. Map Title(s): \_\_\_\_\_
B12b. Map Scale: \_\_\_\_\_ B12c. Map Year: \_\_\_\_\_
B13. Aerial Photo Info: Scale: \_\_\_\_\_ Date: \_\_\_\_\_ Job#: \_\_\_\_\_ Line#: \_\_\_\_\_
AS#: \_\_\_\_\_ Photo#: \_\_\_\_\_ Other Info: \_\_\_\_\_

**SELECTED SUMMARY DATA**

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

**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 ponded surface water? (Yes; No; NC): \_\_\_\_\_

**C5.** Polygon length (mi): \_\_\_\_\_ ; (km): \_\_\_\_\_

**C6.** Number of extra miles the polygon is used to represent: \_\_\_\_\_ ; (km): \_\_\_\_\_

**C7.** Average polygon width (ft): \_\_\_\_\_ ; (m): \_\_\_\_\_

**C8. Habitat Types And Community Types**

Classification Type Name	Phase	Pct of Poly	Successional Stage or Comments
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**OPTIONAL PHYSICAL SITE CHARACTERISTICS**

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

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

**D2.** Waterbody number (FMIS/Hydro code): \_\_\_\_\_

**D3a.** Is water quality data available on this waterbody? (Yes, No, Unknown, NA): \_\_\_\_\_

If **Yes**, **D3b.** Describe the reference for that data (name, year, etc.): \_\_\_\_\_

**PHOTOGRAPH DATA**

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

**E1.** Identification of photos (taken at the *north/west* end of polygon):

Photographer: \_\_\_\_\_

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

Roll #:	Photo #:	Description:
N/W views: _____	_____	_____
_____	_____	_____
_____	_____	_____

S/E views: _____	_____	_____
_____	_____	_____
_____	_____	_____

Other views: _____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**E2.** Is there an adjacent polygon *north/west* of this polygon? (Yes; No): \_\_\_\_\_

**E3.** Identification of photos (taken at the *south/east* end of polygon):

Photographer: \_\_\_\_\_

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

Roll #:	Photo #:	Description:
N/W views: _____	_____	_____
_____	_____	_____
_____	_____	_____

S/E views: _____	_____	_____
_____	_____	_____
_____	_____	_____

Other views: _____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**E4.** Is there an adjacent polygon *south/east* of this polygon? (Yes; No): \_\_\_\_\_

**E5.** Identification of additional photos taken outside of polygon (i.e., non-polygon photos):

Roll #:	Photo #:	Description:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**E6.** Film and Camera Specs: Film brand: \_\_\_\_\_ Film speed (ASA): \_\_\_\_\_ Lens dia. (mm): \_\_\_\_\_

Lens foc. len. (mm): \_\_\_\_\_

# LENTIC WETLAND HEALTH ASSESSMENT SCORE SHEET

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

	Actual Score	Possible Score	Comment
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:	Species	Can.Cov.	Dens.Dist.
	1. _____	_____	_____
	2. _____	_____	_____
	3. _____	_____	_____
	4. _____	_____	_____
	5. _____	_____	_____

3. Disturbance-increaser Undesirable Herbaceous Species	_____	_____	_____
4. Tree and Preferred Shrub Species Establishment and Regeneration	_____	_____	_____
5. Utilization of Tree and Preferred Shrub Species	_____	_____	_____
6. Human Alteration of Polygon Vegetation	_____	_____	_____

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

7. Human Alteration of Polygon Physical Site	_____	_____	_____
8. Human-Caused Bare Ground	_____	_____	_____
9. Degree of Artificial Withdrawal of Water	_____	_____	_____

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

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

10. Comments and Observations:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**RATING CALCULATION**

(Actual Score/Possible Score) X 100 = Rating Percent	Descriptive Category
Vegetation Rating: _____ / _____ <b>x100 =</b> _____	_____
Soil / Hydrology Rating: _____ / _____ <b>x100 =</b> _____	_____
<b>Total Rating:</b> _____ / _____ <b>x100 =</b> _____	_____

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

**ADDITIONAL MANAGEMENT CONCERNS (OPTIONAL)**

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

The following items do not contribute to a site's score. Rather they help to quantify inherent physical site characteristics or assess the direction of change on a site. These data can be useful for planning future site management.

11. Overflow structure stability: \_\_\_\_\_

12a. Shoeline rock volume: \_\_\_\_\_

12b. Shoreline rock size: \_\_\_\_\_

13. Vegetation use by animals: \_\_\_\_\_

14. Susceptibility of parent material to erosion: \_\_\_\_\_

15. Percent of shoreline accessible to livestock: \_\_\_\_\_

16. Quantify the percent of tree and shrub cover on the polygon that is dead and/or decadent: \_\_\_\_\_

17. Polygon trend (Is the polygon: Improving, Degrading, Static, or Status Unknown?): \_\_\_\_\_

18. Break down the polygon area into the land uses listed (must total to approx. 100%):

- No land use apparent: \_\_\_\_\_
- Turf grass (lawn): \_\_\_\_\_
- Tame pasture (grazing): \_\_\_\_\_
- Native pasture (grazing): \_\_\_\_\_
- Recreation (ATV paths, campsites, etc.): \_\_\_\_\_
- Development (buildings, corrals, paved lots, etc.): \_\_\_\_\_
- Tilled cropping: \_\_\_\_\_
- Perennial forage (e.g., alfalfa hayland): \_\_\_\_\_
- Roads: \_\_\_\_\_
- Logging: \_\_\_\_\_
- Mining: \_\_\_\_\_
- Railroads: \_\_\_\_\_
- Other: \_\_\_\_\_

Description of Other Usage Noted: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

19. Break down the area adjacent to the polygon into the land uses listed (must total to approx. 100%):

- No land use apparent: \_\_\_\_\_
- Turf grass (lawn): \_\_\_\_\_
- Tame pasture (grazing): \_\_\_\_\_
- Native pasture (grazing): \_\_\_\_\_
- Recreation (ATV paths, campsites, etc.): \_\_\_\_\_
- Development (buildings, corrals, paved lots, etc.): \_\_\_\_\_
- Tilled cropping: \_\_\_\_\_
- Perennial forage (e.g., alfalfa hayland): \_\_\_\_\_
- Roads: \_\_\_\_\_
- Logging: \_\_\_\_\_
- Mining: \_\_\_\_\_
- Railroads: \_\_\_\_\_
- Other: \_\_\_\_\_

Description of Other Usage Noted: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_