

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: _____ / _____ x100 = _____	_____
Soil / Hydrology Rating: _____ / _____ x100 = _____	_____
Total Rating: _____ / _____ x100 = _____	_____

Rating Percent Range	Descriptive Category
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: _____

