

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
[] 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 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

E1a. Identification of photos (taken at the *north or west* end of polygon): Photographer: _____

Inner Boundary (at water's edge) Photo #: OUT of polygon (Describe View) Camera Number: _____

Waypoint: Easting Northing Zone _____ INTO the polygon (Describe View)

E1b. Identification of an additional benchmark photos:

Outer Boundary (inland) Photo #: OUT of polygon (Describe View)

Waypoint: Easting Northing Zone _____ INTO polygon (Describe View)

E2a. Identification of photos (taken at the *south or east* end of polygon): Photographer: _____

Inner Boundary (at water's edge) Photo #: OUT of polygon (Describe View) Camera Number: _____

Waypoint: Easting Northing Zone _____ INTO the polygon (Describe View)

E2b. Identification of an additional benchmark photos:

Outer Boundary (inland) Photo #: OUT of polygon (Describe View)

Waypoint: Easting Northing Zone _____ INTO polygon (Describe View)

E3a. Other photos of the polygon: Photographer: _____

Waypoint:	Easting	Northing	Zone	Photo #	Description	Camera Number:
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

E3b. Additional Lentic photo page entered? (Yes; No): _____

E4a. Is there an adjacent polygon *north and/or west* of this polygon? (Yes; No): _____ **E4b.** Adj. Polygon Name N/W: _____

E5a. Is there an adjacent polygon *south and/or east* of this polygon? (Yes; No): _____ **E5b.** Adj. Polygon Name S/E: _____

E6. Film and Camera Specs: Camera Type: _____ Film Speed(ASA)/Image Quality (dpi): _____
 Lens dia. (mm): _____ Lens foc. len. (mm): _____ Filter used (polarizer or none): _____

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)

ADDITIONAL MANAGEMENT CONCERNS (OPTIONAL)

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.

10a. Polygon trend (Is the polygon: Improving, Degrading, Static, or Status Unknown?): _____
(If "status unknown" answer NA to the sub-questions 10b and 10c)

10b. Has management influenced trend? (Yes; No; Unknown; NC; NA): _____

10c. Describe how health parameters have changed and justify your call.

11. Overflow structure stability: _____
Overflow structure location: _____

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 large animals: _____

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

17. Primary Land Use Sector:

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

___ Agriculture		a) Polygon	b) Adjacent
___ Commercial		No land use apparent: _____	_____
___ Energy (Oil, Gas, Coal)		Turf grass (lawn): _____	_____
___ Industrial (excl. other types listed)		Tame pasture (grazing): _____	_____
___ Forestry		Native pasture (grazing): _____	_____
___ Recreation (excl. other types listed)		Recreation (ATV paths, campsites, etc.): _____	_____
___ Parks/Protected Areas		Development (buildings, corrals, paved lots, etc.): _____	_____
___ Residential (excl. other types)		Tilled Cropping: _____	_____
___ Rural Residential (excl. other types listed)		Perennial forage (e.g., alfalfa hayland): _____	_____
___ Acreage (excl. other types listed)		Roads: _____	_____
___ Lakefront/Waterfront (excl. other types listed)		Logging: _____	_____
___ Transportation		Mining: _____	_____
___ Utility		Railroads: _____	_____
___ Institutional		Other: _____	_____
___ Military			
___ Open/Vacant			
___ Other _____			

Description of Other Usage Noted: _____

19. Comments and Observations:

