

ALBERTA LOTIC WETLAND HEALTH ASSESSMENT

(Derived from the Alberta Lotic Wetland Inventory)

Polygon number: _____ Record ID No: _____

ADMINISTRATIVE DATA

- A1.** Field data collected by (Organisation): _____
- A2.** Funding Agency/Organisation: _____
- A3.** Date field data collected: _____ **A4.** Year: _____ **A5.** Observers: _____
- A6a.** Indian or Metis Reserve? (Yes; No): _____ **A6b.** Reserve Name: _____
- A7a.** National or Provincial Park, Preserve, or Sanctuary? (Yes; No): _____ **A7b.** Name: _____
- A7c.** City Park/Reserve (Yes/No): _____ **A7d.** Name: _____
- A8a.** Ecological, Environmental and/or Municipal Reserve (Exclude national or provincial reserves)? (Yes; No): _____
- A8b.** Name: _____
- 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.** Land Manager's Name: _____
- A13c.** 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 Location: 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 Upper end: Easting: _____; Northing: _____; Zone: _____
- B10b.** UTM coordinates of polygon Lower 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 streambank or channel? (Yes; No; NC): _____
C5. Channel length (mi): _____ ; (km): _____ **C6.** Number of river miles the polygon represents: _____ ; (km): _____
C7. Average riparian zone width (ft): _____ ; (m): _____

LOTIC WETLAND HEALTH ASSESSMENT SCORE SHEET
(Derived from Lotic Wetland Inventory Form)

	Actual Score	Possible Score
1. Vegetative Cover of Floodplain and Streambanks (D12)	_____	_____
2a. Total Canopy Cover of Invasive Plant Species (D13c)	_____	_____
2b. Density Distribution of Invasive Plant Species (D13c)	_____	_____
3. Disturbance-Increaser Undesirable Herbaceous Species (D14b)	_____	_____
4. Tree and Preferred Shrub Species Establishment and Regeneration (D6c)	_____	_____
5a. Browse Util. of Preferred Trees and Shrubs (D5a and D6c)	_____	_____
5b. Woody Veg. Removal other than Browsing (D5b)	_____	_____
6. Decadent and Dead Woody Material (D2b and D6c)	_____	_____
Vegetation Subtotal:	_____	_____
7. Streambank Root Mass Protection (F7)	_____	_____
8. Human-Caused Bare Ground (F15b, c)	_____	_____
9. Streambank Structurally Altered by Human Activity (F6b)	_____	_____
10. Human Physical Alteration to the Rest of the Polygon (F19b)	_____	_____
11. Stream Channel Incisement (F14)	_____	_____
Soil / Hydrology Subtotal:	_____	_____
Overall Polygon Total:	_____	_____

Rating Calculation:

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

Streambank Susceptibility Rating— using the streambank rock volume and streambank rock size criteria, indicate the appropriate choice (well armored; susceptible to degradation; highly susceptible to degradation):

Trend Comments (IMproving; Degrading; Static; Status Unknown): _____

