

ALBERTA LOTIC WETLAND HEALTH ASSESSMENT
FOR STREAMS AND SMALL RIVERS (Survey)

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

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 a defined streambank or channel? (Yes; No; NC): _____

C5. Polygon length (river miles, usually the same as channel length) (mi): _____ ; (km): _____

C6. Number of river miles the polygon represents: _____ m): _____

C7. Average polygon width (usually same as width of the riparian zone) (ft): _____ ; (m): _____

C8. Habitat Types And Community Types

Classification Type Name	Phase	Pct of Poly	Successional Stage or Comments
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OPTIONAL 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): _____

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

Polygon number: _____ Record ID No: _____

E1. Identification of photos (taken at the most *Upstream* end of polygon):

Photographer: _____

Roll #: Photo #: Description:

Camera Number: _____

(Views out of polygon)

(Views into polygon)

Other views:

E2. Is there an adjacent polygon *upstream* of this polygon? (Yes; No): _____

E3. Is there an adjacent polygon *downstream* of this polygon? (Yes; No): _____

E4. Identification of photos (taken at the most *downstream* end of polygon):

Photographer: _____

Roll #: Photo #: Description:

Camera Number: _____

(Views out of polygon)

(Views into polygon)

Other views:

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

Roll #: Photo #: Description:

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): _____

LOTIC WETLAND HEALTH ASSESSMENT SCORE SHEET

Data Record ID: _____

	Actual Score	Possible Score	Comment
1. Vegetative Cover of Floodplain and Streambanks	_____	_____	_____
2a. Total Canopy Cover of Invasive Plant Species	_____	_____	_____
2b. Density Distribution of Invasive Plant Species	_____	_____	_____

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. Preferred Tree and Shrub Establishment and Regeneration	_____	_____	_____
5a. Browse Util. of Preferred Trees and Shrubs	_____	_____	_____
5b. Woody Veg. Removal other than Browsing	_____	_____	_____
6. Standing Decadent and Dead Woody Material	_____	_____	_____
Vegetation Subtotal:	_____	_____	_____
7. Streambank Root Mass Protection	_____	_____	_____
8. Human-Caused Bare Ground	_____	_____	_____
9. Streambank Structurally Altered	_____	_____	_____
10. Human Physical Alteration to the Rest of the Polygon	_____	_____	_____
11. Stream Channel Incisement	_____	_____	_____

Soil/Hydrology Subtotal: _____

Overall Polygon Total: _____

RATING CALCULATION

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

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

