

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

Polygon Number: Record ID No:

ADMINISTRATIVE DATA

- A1. Field Data Collected by (Organization): _____
- A2. Funding Agency/Organization: _____
- A3. Date Field Data Collected: _____ A4. Year: _____ A5. Observers: _____
- A6a. Indian or Metis Reserve? (Yes; No): _____ A6b. Reserve Name: _____
- A7a. Park(s)? (Yes; No): _____ A7b. Please Check all that apply: National Urban or Rural
 Provincial Other
- A7c. Name? _____
- A8a. Other Protected Areas? (Yes; No): _____ A8b. Please check all that apply: Ecological Municipal
 Environmental Other
- 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: _____

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 Locatio 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: _____ GPS Projection: _____
- 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

Polygon Number: _____ 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: _____ ; (km): _____

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

C8. Habitat Types and Community Types

Classification Type Name	Phase	Percent of Polygon	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.): _____

LOTIC WETLAND HEALTH ASSESSMENT SCORE SHEET

Polygon Number: _____ 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:

	Can.Cov.	Dens.	Dist.		Can.Cov.	Dens.	Dist.		Can.Cov.	Dens.	Dist.
bladder campion:	_____	_____	_____	field bindweed:	_____	_____	_____	spotted knapweed:	_____	_____	_____
blueweed:	_____	_____	_____	leafy spurge:	_____	_____	_____	spreading dogbane:	_____	_____	_____
Canada thistle:	_____	_____	_____	nodding thistle:	_____	_____	_____	tall buttercup:	_____	_____	_____
caragana:	_____	_____	_____	ox-eye daisy:	_____	_____	_____	tamarisk/salt cedar:	_____	_____	_____
cleavers:	_____	_____	_____	perennial sow-thistle:	_____	_____	_____	white cockle:	_____	_____	_____
common hound's-tongue:	_____	_____	_____	purple loosestrife:	_____	_____	_____	yellow toadflax:	_____	_____	_____
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:	_____
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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 = _____	_____
OVERALL: _____ / _____ 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)

