

ALBERTA WETLAND HEALTH ASSESSMENT FOR
LARGE RIVER SYSTEMS (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 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 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. Channel length (mi): _____ ; (km): _____ **C5.** Number of river miles the polygon represents: _____ ; (km): _____

C6a. Average polygon width (ft): _____ ; (m): _____

C6b. Riparian zone width range (ft): _____ to _____ ; (m): _____ to _____

C7. Habitat Types and Community Types

Classification Type Name	Phase	Percent of Polygon	Successional Stage or Comments/Guides Used

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): _____

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

Polygon Number: _____ Record ID No: _____

E1. Identification of photos (taken at the most *upstream* end of polygon): Photographer: _____

Photo #: _____ Upstream views/OUT of polygon (Describe Views) Camera Number: _____

WPt Upper:	Easting	Zone	_____	_____
	Northing			

Downstream views/INTO the polygon (Describe Views)

E2. Identification of photos (taken at the most *downstream* end of polygon): Photographer: _____

Photo #: _____ Downstream views/OUT of polygon (Describe Views) Camera Number: _____

WPt Lower:	Easting	Zone	_____	_____
	Northing			

Upstream views/INTO the polygon (Describe Views)

E3. Other photos of the polygon):

Photographer: _____

WPt:	Easting Northing	Zone	Photo #	Describe Views	Camera Number:
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

E3a. Additional LOTIC photo page entered? (Yes; No): _____

E4a. Is there an adjacent polygon *upstream*? (Yes; No): _____ **E4b.** Adjacent Poly Name Upstream: _____

E5a. Is there an adjacent polygon *downstream*? (Yes; No): _____ **E5b.** Adjacent Poly Name Downstream: _____

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): _____

RIVER HEALTH EVALUATION

Polygon Number: _____ Record ID No: _____

	Actual Score	Possible Score	Comment
1. Cottonwood and Poplar Regeneration	_____	_____	_____
2. Regeneration of other Native Tree Species	_____	_____	_____
3. Regeneration of Preferred Shrub Species	_____	_____	_____
4. Standing Decadent and Dead Woody Material	_____	_____	_____
5a. Browse Util. of Preferred Trees and Shrubs	_____	_____	_____
5b. Woody Veg. Removal other than Browsing	_____	_____	_____
6. Total Canopy Cover of Woody Species	_____	_____	_____
7a. Total Canopy Cover of Invasive Plant Species	_____	_____	_____
7b. Density/Distribution Pattern 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.
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 ches:	_____	_____	_____	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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8. Disturbance-increaser Undesirable Herbaceous Species _____

Vegetation Subtotal: _____

9. River Bank Root Mass Protection _____

10. Human-Caused Bare Ground _____

11. Removal or Addition of Water from/to River System _____

12. Control of Flood Peak and Timing by Upstream Dam(s) _____

13. River Banks Structurally Altered by Human Activity _____

14. Human Physical Alteration to the Rest of the Polygon _____

15. Natural Floodplain Accessibility _____

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 = _____

