

ALBERTA LOTIC WETLAND HEALTH ASSESSMENT (LARGE RIVERS)

Record ID No: _____

(Derived from the Alberta Lotic Wetland Inventory)

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

- 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.** Channel length (mi): _____ ; (km): _____ **C5.** Number of river miles the polygon represents: (mi) _____ ; (km): _____
- C6a.** Average polygon width (ft): _____ ; (m): _____
- C6b.** Riparian zone width range (ft): _____ to _____ ; (m): _____ to _____
- C6c.** Riparian area along a stream or small river (less than 15 m wide) or along a river (greater than 15 m wide): _____

C8. Habitat Types and Community Types

Classification Type Name	Phase	Pct of Poly	Successional Stage or Comments/Guides Used
_____	_____	_____	_____
_____	_____	_____	_____

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

Record ID No: _____
 Polygon Number: _____

	<u>Actual Score</u>	<u>Possible Score</u>
1. Cottonwood and Balsam Poplar Regeneration (D5c)	_____	_____
2. Regeneration of other Native Tree Species (D5d)	_____	_____
3. Regeneration of Preferred Shrub Species (D6c)	_____	_____
4. Standing Decadent and Dead Woody Material (D2b and D6c)	_____	_____
5a. Browse Util. of Preferred Trees and Shrubs (D5a and D6c)	_____	_____
5b. Woody Veg. Removal other than Browsing (D6e)	_____	_____
6. Total Canopy Cover of Woody Species (D11)	_____	_____
7a. Total Canopy Cover of Invasive Plant Species (D13c)	_____	_____
7b. Density Distribution of Invasive Plant Species (D13c)	_____	_____

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:	_____	_____	_____	Others:	_____	_____	_____
Dalmatian Toadflax:	_____	_____	_____	Russian olive:	_____	_____	_____	Others:	_____	_____	_____
diffuse knapweed:	_____	_____	_____	scentless chamomile:	_____	_____	_____				
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: _____

8. Disturbance-Increaser Undesirable Herbaceous Species (D14b)	_____	_____
Vegetation Subtotal:		_____
9. River Bank Root Mass Protection (F7)	_____	_____
10. Human-Caused Bare Ground (F15c)	_____	_____
11. Removal or Addition of Water from/to River System (F24)	_____	_____
12. Control of Flood Peak and Timing by Upstream Dam(s) (F25)	_____	_____
13. River Bank Structurally Altered by Human Activity (F6b)	_____	_____
14. Human Physical Alteration to the Rest of the Polygon (F19d)	_____	_____
15. Natural Floodplain Accessibility (F26)	_____	_____
Soil / Hydrology Subtotal:		_____
Overall Polygon Total:		_____

Rating Calculation:

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

SELECTED COMMENTARY FIELDS FROM THE POLYGON LOTIC INVENTORY FORM

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):

D16a. Trend Comments (Improving; Degrading; Static; Status Unknown):
(If “status unknown” answer NA to the sub-questions D16b and D16c)

D16b. Has management influenced trend? (Yes; No; Unknown; NC; NA): _____

D16c. Describe how health parameters have changed and justify your call.

D17. Explain trend description and give other vegetation comments:

F24. Physical site comments (Summarizing characteristics or problems not evident from the data collected. Included are topics related to any of the optional data. Consider current and historic attributes resulting from human-caused and natural processes.):

F25. Detailed description of upper and lower ends of the polygon:

