

**ALBERTA WETLAND HEALTH ASSESSMENT FOR
LARGE RIVER SYSTEMS (Survey)**

Record ID No: _____

ADMINISTRATIVE DATA

- A1.** Field data collected by (Organisation): _____
- A2.** Funding Agency/Organisation: _____
- A3a.** Indian or Metis Reserve? (Yes; No): _____ If **Yes**, Reserve Name: _____
- A3b.** National or Provincial Park, Preserve, or Sanctuary? (Yes; No): _____
If **Yes**, Name: _____
- A3c.** Environmental or Municipal Reserve (Exclude national or provincial reserves)? (Yes; No): _____
If **Yes**, Name: _____
- A3d.** Private or Deeded Land? (Yes; No): _____ **A4.** Observers: _____
- A5a.** Date field data collected: _____ **A5b.** Year: _____ **A6a.** Grazing lease or grazing reserve? (Yes; No): _____
If **Yes**, **A6b.** Grazing disposition No.: GRL: _____ GRP: _____
FGL: _____ Other: _____
- A6c.** Other Grazing Name (e.g. Community Pasture): _____
- A7a.** Is this the latest inventory for this polygon? (Yes; No): _____
- A7b.** At least some part of this polygon has been inventoried more than once (resampled)? (Yes; No): _____
If **No**, Go to item B1. If **Yes**, **A7c.** This polygon coincides exactly with another inventoried polygon? (Yes; No): _____
If **No**, Go to item A7f. If **Yes**, **A7d.** Other years sampled: _____
- A7e.** ID No.(s) of other inventories of this exact polygon: _____, _____, _____, _____, _____
- A7f.** This polygon shares common area with other inventoried polygon(s), but is not exact? (Yes; No): _____
- A7g.** Other years: _____
- A7h.** ID No.(s) of other records sharing area with this polygon: _____, _____, _____, _____, _____
- A8a.** Has a change in management occurred? (Yes; No, Unknown): _____ If **Yes**, **A8b.** Year changed occurred: _____
- A8c.** Type of management change applied: _____

LOCATION DATA

- B1.** Province: _____ **B2a.** Natural Region: _____ **B2b.** Sub-Region: _____
- B3.** County/Municipal District: _____ **B4a.** City/Town/Village: _____
- B4b.** Subdivision Plan No.: _____ **B4c.** Block No.: _____ **B4d.** Lot No.: _____
- B5.** Allotment/Range Unit/Landowner/Lessee Name: _____
- B6.** Waterbody/Area Name: _____ **B7.** Polygon number: _____
- B8.** Location: 1/4 1/4 Sec: _____ 1/4 Sec: _____ Sec: _____
Township (NS): _____ Range (EW): _____ Meridian: _____ **B9.** Elev. (ft): _____ ; (m): _____
- B10a.** Major Watershed (e.g. North Saskatchewan River): _____
- B10b.** Minor Watershed (e.g. Battle River): _____
- B10c.** Minor Watershed Area (km²): _____ ; (hect): _____ **B10d.** Minor Watershed Perimeter (km): _____
- B10e.** Sub-basin (e.g. Iron Creek): _____
- B11a.** UTM coordinates of polygon UPPER END: Easting: _____ ; Northing: _____ ; Zone: _____
- B11b.** UTM coordinates of polygon LOWER END: Easting: _____ ; Northing: _____ ; Zone: _____
- B11c.** UTM coordinates of any other point of interest in the polygon: East: _____ ; North: _____ ; Zone: _____
- B11d.** GPS Unit #: _____ WPt Upper: _____ WPt Lower: _____ WPt Other: _____
- B11e.** Comments: _____
- B12a.** Map Title(s): _____
- B12b.** Map Scale: _____ **B12c.** Map Year: _____
- B13.** 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 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): _____

C6. Average polygon width (ft): _____ ; (m): _____

C7. Habitat Types And Community Types

Classification Type Name	Phase	Pct of Poly	Successional Stage or Comments
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C8. Break Down the Polygon Area Into the Land Uses listed (must total to approx. 100%):

No land use apparent: _____

Turf grass (lawn): _____

Tame pasture (grazing): _____

Native pasture (grazing): _____

Recreation (ATV paths, campsites, etc.): _____

Development (buildings, corrals, paved lots, etc.): _____

Tilled Cropping: _____

Perennial forage (e.g., alfalfa hayland): _____

Roads: _____

Logging: _____

Mining: _____

Railroads: _____

Description of Other Usage Noted: Other: _____

C10a. Does the polygon have potential for tall woody type(s) (Yes, No, Unknown): _____

If **Yes**, **C10b.** Does the polygon have tall woody type(s) present? (Yes, No): _____

C11. Vegetation Use by Animals: _____

C12. Waterbody number (FMIS/Hydro code): _____

C13a. Is water quality data available on this waterbody? (Yes, No, Unknown, NA): _____

If **Yes**, **C13b.** Describe the reference for that data (name, year, etc.): _____

C14. Comments and Observations:

RIVER HEALTH EVALUATION

Record ID No: _____

	Actual Score	Possible Score	Comment
1. Cottonwood Regeneration from Seed	_____	_____	_____
2. Regeneration of other Tree Species	_____	_____	_____
3. Preferred Shrub Species Establishment and Regeneration	_____	_____	_____
4. Standing Decadent and Dead Woody Material	_____	_____	_____
5. Preferred Tree and Shrub Species Utilization	_____	_____	_____
6. Total Canopy Cover of Woody Species	_____	_____	_____
7. Invasive Herbaceous Species	_____	_____	_____

Give the Combined Percent Canopy Cover and the overall Density Distribution Class of all Invasive Plants on the Polygon: Can.Cov.: _____ Dens.Dist.: _____

List each Invasive Plant Species Present, Including Percent Canopy Cover on the Polygon and Density Distribution Class:

Weed Species	Can.Cov.	Dens.Dist.
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____

8. Disturbance-increaser Undesirable Herbaceous Species	_____	_____	_____
9. Presence of Native Graminoids	_____	_____	_____
10. Exotic Undesirable Woody Species	_____	_____	_____
Vegetation Subtotal:	_____	_____	_____
11. Riverbank Root Mass Protection	_____	_____	_____
12. Human-Caused Bare Ground	_____	_____	_____
13. Dewatering of the River System	_____	_____	_____
14. Control of Flood Peak and Timing by Upstream Dam(s)	_____	_____	_____
15. Human Alterations to the Riverbanks	_____	_____	_____
16. Floodplain Accessibility	_____	_____	_____
Soil / Hydrology Subtotal:	_____	_____	_____
Overall Polygon Total:	_____	_____	_____

RATING CALCULATION

(Actual Score/Possible Score) X 100 = Rating Percent

Descriptive Category

Vegetation Rating: _____ / _____ x100 = _____	_____
Soil / Hydrology: _____ / _____ x100 = _____	_____
Total: _____ / _____ x100 = _____	_____

Rating Percent Range
 80-100
 60-79
 <60

Descriptive Category
 Proper Functioning Condition (Healthy)
 Functional At Risk (Healthy, but with Problems)
 Nonfunctional (Unhealthy)

17. Polygon trend (Is the polygon: Improving, Degrading, Static, or Status Unknown?): _____

PHOTOGRAPH DATA

Record ID No: _____

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

Photographer: _____

Camera Number: _____

Upstream Roll #: Photo #: Description:
views: _____

Downstream
views: _____

Other views: _____

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

E3. Identification of photos (taken at the *downstream* end of polygon): _____ Photographer: _____

Camera Number: _____

Upstream Roll #: Photo #: Description:
views: _____

Downstream
views: _____

Other views: _____

E4. Is there an adjacent polygon *downstream* of this polygon? (Yes; No): _____

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

Roll #: Photo #: Description:

E6. Film and Camera Specs: Film brand: _____ Film speed (ASA): _____ Lens dia. (mm): _____

Lens foc. len. (mm): _____ Lens foc. len. (mm): _____