

**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.** Does the polygon contain a defined streambank or channel? (Yes; No; NC): \_\_\_\_\_
- C5.** Channel length (mi): \_\_\_\_\_ ; (km): \_\_\_\_\_ **C6.** Number of river miles the polygon represents: (mi) \_\_\_\_\_ ; (km): \_\_\_\_\_
- C7a.** Average polygon width (usually same as width of the riparian zone) (ft): \_\_\_\_\_ ; (m): \_\_\_\_\_
- C7b.** Riparian zone width range (ft): \_\_\_\_\_ to \_\_\_\_\_ ; (m): \_\_\_\_\_ to \_\_\_\_\_
- C7c.** 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 STREAMS/SMALL RIVERS**  
 (Derived from Lotic Wetland Inventory Form)

Record ID No: \_\_\_\_\_

Polygon Number: \_\_\_\_\_

| Actual Score | Possible Score |
|--------------|----------------|
|--------------|----------------|

- 1. Vegetative Cover of Floodplain and Streambanks (D12) \_\_\_\_\_
- 2a. Total Canopy Cover of Invasive Plant Species (D13c) \_\_\_\_\_
- 2b. 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:             | _____    | _____ | _____ |                      |          |       |       |
| 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: \_\_\_\_\_

- 3. Disturbance-Increaser Undesirable Herbaceous Species (D14b) \_\_\_\_\_
- 4. Preferred Tree and Shrub Establishment and Regeneration (D2 and D6c) \_\_\_\_\_
- 5a. Browse Util. of Preferred Trees and Shrubs (D5a and D6c) \_\_\_\_\_
- 5b. Woody Veg. Removal other than Browsing (D6e) \_\_\_\_\_
- 6. Standing Decadent and Dead Woody Material (D2b and D6c) \_\_\_\_\_

**Vegetation Subtotal:** \_\_\_\_\_

- 7. Streambank Root Mass Protection (F7) \_\_\_\_\_
- 8. Human-Caused Bare Ground (F15c) \_\_\_\_\_
- 9. Streambank Structurally Altered by Human Activity (F6b) \_\_\_\_\_
- 10. Human Physical Alteration to the Rest of the Polygon (F19d) \_\_\_\_\_
- 11. Stream Channel Incisement (F14) \_\_\_\_\_

**Soil / Hydrology Subtotal:** \_\_\_\_\_

**Overall Polygon Total:** \_\_\_\_\_

**Rating Calculation:**

|                    |  |                      |
|--------------------|--|----------------------|
|                    | (Actual Score/Possible Score) X 100 = Rating Percent | Descriptive Category |
| Vegetation Rating: | _____ / _____ 100 = _____                            | _____                |
| Soil / Hydrology:  | _____ / _____ 100 = _____                            | _____                |
| <b>OVERALL:</b>    | _____ / _____ 100 = _____                            | _____                |

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

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)

**SELECTED COMMENTARY FIELDS FROM THE POLYGON LOTIC INVENTORY FORM**

**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:

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**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.):

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

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