

# ALBERTA LOTIC WETLAND INVENTORY FORM

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

## ADMINISTRATIVE DATA

**A1.** Field Data Collected by (Organization): \_\_\_\_\_

**A2a.** Funding Agency/Organization: \_\_\_\_\_

**A2b.** Funding Source/Grant: \_\_\_\_\_

**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: \_\_\_\_\_

**A11a.** 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 Mgr's Name(s): \_\_\_\_\_ **A13d.** Title, Office and/or Dept. of Land Mgr(s): \_\_\_\_\_

**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.** Is this land part of a Public Land Use Zone (PLUZ)? (Yes; No): \_\_\_\_\_ **A15b.** PLUZ Name: \_\_\_\_\_

**A16a.** Has this polygon been inventoried before? (Yes; No): \_\_\_\_\_ **A16b.** Other years sampled: \_\_\_\_\_

**A16c.** Does this polygon coincide exactly with a previously inventoried polygon? (Yes; No): \_\_\_\_\_

**A16d.** ID No.(s) of other inventories of this exact polygon: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

**A17a.** Does this polygon share common area with other inventoried polygon(s), but is not exact? (Yes; No): \_\_\_\_\_

**A17b.** ID No.(s) of other records sharing area with this polygon: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

**A18a.** Has a change in management occurred? (Yes; No, Unknown): \_\_\_\_\_ If **Yes**, **A18b.** Year changed occurred: \_\_\_\_\_

**A18c.** Type of management change applied: \_\_\_\_\_

**A19.** 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: \_\_\_\_\_

**B10b.** UTM coordinates of polygon Lower end: Easting: \_\_\_\_\_; Northing: \_\_\_\_\_; Zone: \_\_\_\_\_

**B10c.** TRIMBLE/GPS Unit #: \_\_\_\_\_ WPt Upper: \_\_\_\_\_ WPt Lower: \_\_\_\_\_ Projection: \_\_\_\_\_

**B10d.** Comments: \_\_\_\_\_

**B11a.** Map Title(s): \_\_\_\_\_

**B11b.** Map Scale: \_\_\_\_\_ **B11c.** Map Year: \_\_\_\_\_

**B12.** Aerial Photo Info: Scale: \_\_\_\_\_ Date: \_\_\_\_\_ 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.** 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 (channel is less than 15 m wide) or along a river (channel is greater than 15 m wide): \_\_\_\_\_

**Health Assessment Summary**

**C8.** Polygon Health: \_\_\_\_\_ Rating Percent (%) \_\_\_\_\_ Descriptive Category: \_\_\_\_\_

Vegetation: \_\_\_\_\_

Soil / Hydrology: \_\_\_\_\_

**OVERALL:** \_\_\_\_\_

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

**VEGETATION DATA**

**D1a.** Wetland prevalence index: \_\_\_\_\_

**D1b.** Vegetation structural diversity: \_\_\_\_\_

**Trees**

**D2a.** Are trees present? (Yes; No): \_\_\_\_\_ **D2b.** Tree species by canopy cover (%) and percent age group (%)

| SPECIES | COV (%) | SDLG/DEC | SPLG/DEC | POLE/DEC | MAT/DEC | DEAD  |
|---------|---------|----------|----------|----------|---------|-------|
| _____   | _____   | _____    | _____    | _____    | _____   | _____ |

\_\_\_\_\_

SPECIES

**D3.** Regeneration Category

**D4.** Age Group Distribution Category

**D5a.** Seedling/Sapling Browse Utilization

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**D5b.** Cottonwood/poplar regeneration by seed vs. root suckering (asexual). Record the percent for each (must total 100%; NA = Not Applicable):

| Species | Seed  | Suckering | Species | Seed  | Suckering | Species | Seed  | Suckering |
|---------|-------|-----------|---------|-------|-----------|---------|-------|-----------|
| POPUANG | _____ | _____     | POPUBAL | _____ | _____     | POPUDEL | _____ | _____     |

**Shrubs**

**D6a.** Are shrubs present? (Yes; No): \_\_\_\_\_

**D6b.** Does the polygon have potential for preferred woody species? (Yes; No; NC): \_\_\_\_\_

**D6c.** Shrub species canopy cover (%), age/size groups (%), and utilisation

**D6d.** Shrub Growth Form (N,F,U,C)

| <u>SPECIES</u> | <u>COV (%)</u> | <u>SDLG-SPLG/UTIL</u> | <u>MATURE/UTIL</u> | <u>DEC-DEAD/UTIL</u> |       |
|----------------|----------------|-----------------------|--------------------|----------------------|-------|
| _____          | _____          | _____                 | _____              | _____                | _____ |
| _____          | _____          | _____                 | _____              | _____                | _____ |
| _____          | _____          | _____                 | _____              | _____                | _____ |

**D6e.** Tree **AND** shrub removal by other than browse: None (0-5%); Light (6-25%); Moderate (26-50%); Heavy (>50%); NA; NC: \_\_\_\_\_ (new 2008)

**D6f.** Tree **AND** shrub removal other than browse - check cause of removal (new 2015):

**Beaver**  **Human**  **Both (Beaver & Human)**  **Neither (Beaver or Human)**

**D6g.** Describe the evidence for the above call in all situations. An example is "Used air photo X or land across the fence with trees to the north."

\_\_\_\_\_  
\_\_\_\_\_

**D7. Graminoids**

Graminoids present?  
(Yes; No): \_\_\_\_\_

| SPECIES | COV (%) |
|---------|---------|
| _____   | _____   |

**D8. Forbs**

Forbs present?  
(Yes; No): \_\_\_\_\_

| SPECIES | COV (%) |
|---------|---------|
| _____   | _____   |

Polygon Number: \_\_\_\_\_ Record ID No: \_\_\_\_\_

**D9. Plant Group by Canopy Cover (%)**

| Layer                     | Trees | Shrubs | Graminoids | Forbs |
|---------------------------|-------|--------|------------|-------|
| <b>3</b> (>6.0 ft):       | _____ | _____  | _____      | _____ |
| <b>2</b> (>1.5 - 6.0 ft): | _____ | _____  | _____      | _____ |
| <b>1</b> (0 - 1.5 ft):    | _____ | _____  | _____      | _____ |

**D10. Total canopy cover (%) by lifeform:**

Trees: \_\_\_\_\_ Shrubs: \_\_\_\_\_

Graminoids: \_\_\_\_\_ Forbs: \_\_\_\_\_

**D11. Total canopy cover (%) by woody species: \_\_\_\_\_**

**D12. Total canopy cover (%) by all plant lifeforms: \_\_\_\_\_**

**D8. Forbs continued:**

| SPECIES | COV (%) |
|---------|---------|
| _____   | _____   |

**Weed Data D13a.** Are invasive species present? (Yes; No; NC): \_\_\_\_\_  
**If NO, go to D13d.**

\*Prohibited noxious species, report to project area Specialist

|   | CC    | DD    |
|---|-------|-------|
| black henbane (HYOSNIG):                | _____ | _____ |
| blueweed (ECHIVUL):                     | _____ | _____ |
| broad-leaved pepper-grass (LEPILAT):    | _____ | _____ |
| Canada thistle (CIRSARV):               | _____ | _____ |
| caragana (CARAARB):                     | _____ | _____ |
| cleavers (GALIAPA):                     | _____ | _____ |
| common baby's-breath (GYPSAN):          | _____ | _____ |
| common barberry (BERBVUL):*             | _____ | _____ |
| common burdock (ARCTMIN):               | _____ | _____ |
| common hound's-tongue (CYNDOFF):        | _____ | _____ |
| common mullein (VERBTHA):               | _____ | _____ |
| common tansy (TANAVUL):                 | _____ | _____ |
| creeping bellflower (CAMPRAP):          | _____ | _____ |
| Dalmatian Toadflax (LINADAL):           | _____ | _____ |
| dame's rocket (HESPMAT):                | _____ | _____ |
| diffuse knapweed (CENTDIF):*            | _____ | _____ |
| downy chess (BROMTEC):                  | _____ | _____ |
| European buckthorn (RHAMCAT):*          | _____ | _____ |
| field bindweed (CONVARV):               | _____ | _____ |
| field scabious, blue buttons (KNAUARV): | _____ | _____ |
| great BURDOCK (ARCTLAP):                | _____ | _____ |
| heart-podded hoary cress (CARDRA):      | _____ | _____ |
| Himalayan balsam (IMPAGLA):*            | _____ | _____ |
| Japanese brome/chess (BROMJAP):         | _____ | _____ |
| leafy spurge (EUPHESU):                 | _____ | _____ |
| lens-podded hoary Cress (CARDCHA):      | _____ | _____ |
| marsh thistle (CIRSPAL):*               | _____ | _____ |
| meadow hawkweed (HIERCAE):*             | _____ | _____ |
| meadow knapweed (CENTMON):*             | _____ | _____ |
| mouse-ear hawkweed (HIERPIL):*          | _____ | _____ |
| nodding thistle (CARDNUT):*             | _____ | _____ |
| orange hwakweed (HIERAUR):*             | _____ | _____ |
| ox-eye daisy (CHRYLEU):                 | _____ | _____ |
| Pale yellow iris (IRISPSE):*            | _____ | _____ |
| perennial sow-thistle (SONCARV):        | _____ | _____ |
| purple loosestrife (LYTHSAL):*          | _____ | _____ |
| Russian knapweed (CENTREP):*            | _____ | _____ |
| Russian olive (ELAEANG):                | _____ | _____ |
| saltlover (HALOGLO):*                   | _____ | _____ |
| scentless chamomile (MATRPER):          | _____ | _____ |
| smooth perennial sow-thistle (SONCULI): | _____ | _____ |
| spotted knapweed (CENTMAC):*            | _____ | _____ |

| Weed Data Continued             | CC    | DD    |
|---------------------------------|-------|-------|
| tall buttercup (RANUACR):       | _____ | _____ |
| tamarisk/salt cedar (TAMACHI):* | _____ | _____ |
| tufted vetch (VICICRA):         | _____ | _____ |
| white Cockle (SILEPRA):         | _____ | _____ |
| woolly burdock (ARCTTOM):       | _____ | _____ |
| yellow clematis (CLEMTAN):      | _____ | _____ |
| yellow toadflax (LINAVAL):      | _____ | _____ |
| Others: _____                   | _____ | _____ |
| Others: _____                   | _____ | _____ |

**D13c.** Cumulative totals for all invasive species:  
 Canopy Cover: \_\_\_\_\_ Density/Distribution Class: \_\_\_\_\_

**D13d.** In this polygon, are there elevated status species for this county? (Yes; No; NA; NC): \_\_\_\_\_

**D13e.** If **Yes**, indicate species, elevated status, CC and DD:

| Elevated Species | Status | CC    | DD    |
|------------------|--------|-------|-------|
| _____            | _____  | _____ | _____ |
| _____            | _____  | _____ | _____ |
| _____            | _____  | _____ | _____ |

**D13f.** Are there unregulated species in the polygon? (Yes; No; NC): \_\_\_\_\_

**D13g.** If **Yes**, record unregulated species:

| Species | CC    | DD    |
|---------|-------|-------|
| _____   | _____ | _____ |
| _____   | _____ | _____ |
| _____   | _____ | _____ |

**D14a.** Are undesirable herbaceous species present? (Yes; No; NC): \_\_\_\_\_

If **Yes**, **D14b.** Record the combined canopy cover (%) of all undesirable herbaceous species observed: \_\_\_\_\_

**D15. Habitat Types and Community Types**

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

**Guide(s) Used/Comments:** \_\_\_\_\_

**D16a.** Polygon trend: Improving, Degrading, Static, or 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.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**WATER QUALITY DATA**

Polygon Number: \_\_\_\_\_ Record ID No: \_\_\_\_\_

E1. Waterbody number (FMIS/Hydro code): \_\_\_\_\_

E2a. Is water quality data available on this waterbody? (Yes, No, Unknown, NA): \_\_\_\_\_

If **Yes, E2b.** Describe the reference for that data (name, year, etc.): \_\_\_\_\_

**PHYSICAL SITE DATA**

F1. Does the polygon contain a stream bank or channel bottom? (Yes; No; NC): \_\_\_\_\_ If **No**, go to item **F15a**.

F2a. Is the channel bottom visible? (Yes; No; NC): \_\_\_\_\_

If **Yes, F2b.** Give the percent breakdown of particle sizes (must approx. 100%):

- \_\_\_\_\_ >20 inches (Medium Boulders +) \_\_\_\_\_ 0.6 - 2.5 inches (Coarse Gravel)
- \_\_\_\_\_ 10 - 20 inches (Small Boulders) \_\_\_\_\_ 0.08 inches - 0.6 inches (Fine Gravel)
- \_\_\_\_\_ 5 - 10 inches (Large Cobbles) \_\_\_\_\_ 0.062 mm - 2 mm (Sand)
- \_\_\_\_\_ 2.5 - 5 inches (Small Cobbles) \_\_\_\_\_ <0.062 mm (Silt and Clay)

F3a. Is the channel bank material visible? (Yes; No; NC): \_\_\_\_\_

If **Yes, F3b.** Give the percent breakdown of particle sizes (must approx. 100%):

- \_\_\_\_\_ >20 inches (Medium Boulders +) \_\_\_\_\_ 0.6 - 2.5 inches (Coarse Gravel)
- \_\_\_\_\_ 10 - 20 inches (Small Boulders) \_\_\_\_\_ 0.08 inches - 0.6 inches (Fine Gravel)
- \_\_\_\_\_ 5 - 10 inches (Large Cobbles) \_\_\_\_\_ 0.062 mm - 2 mm (Sand)
- \_\_\_\_\_ 2.5 - 5 inches (Small Cobbles) \_\_\_\_\_ <0.062 mm (Silt and Clay)

F4a. Is there active lateral cutting of stream? (Yes; No; NC): \_\_\_\_\_

If **Yes, F4b.** How much of the stream length displays active lateral cutting (%): \_\_\_\_\_

F5. Percent of the total bank length unstable (0-5%; 6-25%; 26-50%; over 50%; NC): \_\_\_\_\_

F6a. Is the streambank altered by on-site human activities? (Yes; No; NC): \_\_\_\_\_

If **Yes, F6b.** Percent (%) of the bank length that has human-caused alterations? \_\_\_\_\_

F6c. Of this, how much resulted from these causes: (must approximate 100%)

- \_\_\_\_\_ Grazing \_\_\_\_\_ Mining \_\_\_\_\_ Construction \_\_\_\_\_ Bank Stabilisation \_\_\_\_\_ Other
- \_\_\_\_\_ Cultivation \_\_\_\_\_ Logging \_\_\_\_\_ Recreation \_\_\_\_\_ Dugout

Explain "other": \_\_\_\_\_

F6d. Distribute the total streambank alteration among these kinds: (must approximate 100%)

- \_\_\_\_\_ Hoof shear/trampling \_\_\_\_\_ Roads/RRs \_\_\_\_\_ Berms
- \_\_\_\_\_ Veg removal \_\_\_\_\_ Trails \_\_\_\_\_ Riprap \_\_\_\_\_ Other

Explain "other": \_\_\_\_\_

F6e. Comment on the nature, extent, and severity of human-caused alteration of the streambank:

F7. Percent of the streambanks with deep, binding root mass (0-35%; 36-65%; 66-85%; over 85%; NC): \_\_\_\_\_

F8. Percent of polygon with sufficient fine material to hold water and act as a rooting medium (0-35%; 36-65%; 66-85%; over 85%; NC): \_\_\_\_\_

F9. Average non-vegetated stream channel width: (ft) \_\_\_\_\_ ; (m): \_\_\_\_\_ F10. Stream gradient (percent): \_\_\_\_\_

F11a. Active downcutting of the stream? (Yes; No; NC): \_\_\_\_\_ If **Yes, F11b.** Percent of stream actively downcutting: \_\_\_\_\_

F12a. Headcuts present? (Yes; No; NC): \_\_\_\_\_ If **Yes, F12b.** No. of headcuts: \_\_\_\_\_ F12c. Average headcut height (ft): \_\_\_\_\_

F12d. Location of headcut(s): \_\_\_\_\_

F13a. Is the stream channel braided (has multiple active channels during normal flows)? (Yes; No; NC): \_\_\_\_\_

If **Yes, F13b.** Percent of the stream channel that is braided: \_\_\_\_\_

F14. Indicate the best description of channel incisement (None; Slight; Moderate; Severe): \_\_\_\_\_

F15a. Is there exposed soil surface (bare ground)? (Yes; No; NC): \_\_\_\_\_ If **No** or **NC**, go to item **F16**.

F15b. Percent (%) of the polygon which is exposed soil surface (bare ground): \_\_\_\_\_

F15c. Of this, how much is due to natural processes: \_\_\_\_\_ Human-caused disturbance: \_\_\_\_\_ (must approx. 100%)

F15d. Within **each** category (natural and human-caused), how much resulted from the listed processes?

**NATURAL PROCESSES** (must approx. 100%)

**HUMAN-CAUSED PROCESSES** (must approx. 100%)

- \_\_\_\_\_ Erosional \_\_\_\_\_ Type Dependent \_\_\_\_\_ Grazing \_\_\_\_\_ Construction \_\_\_\_\_ Vehicle Trails
- \_\_\_\_\_ Depositional \_\_\_\_\_ Saline/Alkaline \_\_\_\_\_ Timber Harvest \_\_\_\_\_ Mine Tailings
- \_\_\_\_\_ Wildlife Use \_\_\_\_\_ Within Veg. Channel Bottoms \_\_\_\_\_ Recreation \_\_\_\_\_ Cultivation \_\_\_\_\_ Other
- \_\_\_\_\_ Other Explain "Other": \_\_\_\_\_

**F16.** Non-vegetated (i.e., vascular plant) ground cover. (**Note:** Bare ground and vascular plant cover recorded above.)  
Rocks (>2.5 in.): \_\_\_\_\_ Moss: \_\_\_\_\_ Litter/Duff: \_\_\_\_\_ Wood: \_\_\_\_\_ Human Imperv. Surf.: \_\_\_\_\_ Open Water: \_\_\_\_\_  
Young/Dead Plantings: \_\_\_\_\_ Other: \_\_\_\_\_ Other: \_\_\_\_\_

**F17.** Are channel point bars revegetating? (Yes; No; NA; NC): \_\_\_\_\_

**F18.** Is there a nearby source **on the system** for large woody debris to enter the stream? (Yes; No; NA; NC): \_\_\_\_\_

**F19a.** Is the polygon away from the streambank physically altered? (Yes; No; NC): \_\_\_\_\_ If **Yes, F19b.** What percent? \_\_\_\_\_

**F19c.** Of this, how much resulted from these causes: (must approximate 100%)

\_\_\_\_\_ Grazing                  \_\_\_\_\_ Logging                  \_\_\_\_\_ Construction                  \_\_\_\_\_ Dugout  
\_\_\_\_\_ Cultivation                  \_\_\_\_\_ Mining                  \_\_\_\_\_ Recreation                  \_\_\_\_\_ Other

Explain Other: \_\_\_\_\_

**F19d.** Distribute the total polygon non-streambank alteration among these kinds: (must approximate 100%)

\_\_\_\_\_ Soil Compaction                  \_\_\_\_\_ Hydrologic Change                  \_\_\_\_\_ Topographic Change                  \_\_\_\_\_ Other  
\_\_\_\_\_ Plowing/tilling                  \_\_\_\_\_ Roads/RRs                  \_\_\_\_\_ Impervious Surfaces

Explain Other: \_\_\_\_\_

**F19e.** Comment on the nature, extent, and severity of human-caused alteration to the rest of the polygon:  
\_\_\_\_\_

**F20a.** Animal-caused pugging, hummocking, and/or rutting present? (Yes; No; NC): \_\_\_\_\_ If **Yes, F20b.** What Percent (%): \_\_\_\_\_

**F20c.** Distribution of pugging/hummocking/rutting: Within streambanks: \_\_\_\_\_ Remainder of polygon: \_\_\_\_\_ (must approx. 100%)

**F21a.** Are seeps or springs present? (Yes; No; NC): \_\_\_\_\_ If **Yes, F21b.** Number of seeps and springs: \_\_\_\_\_

**F21c.** How many springs and seeps had hummocks and/or pugging in 25% or more of the wetted area? \_\_\_\_\_

**F21d.** Location of the springs and seeps: \_\_\_\_\_

**F22a.** Is wetland type a pooled channel of an intermittent stream (item C1)? (Yes; No; NC): \_\_\_\_\_

If **Yes, F22b.** Percent of the channel length with pooled water: \_\_\_\_\_

**F22c.** Is this pooled water expected to remain at the surface through the remainder of the growing season? (Yes; No): \_\_\_\_\_

**F22d.** Location of the pools: \_\_\_\_\_

**F23a.** Is there evidence of beaver in the polygon? (Yes; No; NC): \_\_\_\_\_

If **Yes, F23b.** (Active; Inactive): \_\_\_\_\_ **F23c.** Describe the type and amounts of beaver activity observed:  
\_\_\_\_\_

**F23d.** # of beaver dams: \_\_\_\_\_ # of beaver lodges: \_\_\_\_\_ Old (prior to 2015 combined: dams and lodges): \_\_\_\_\_

**F23e.** Level of beaver activity (number of stems chewed) (1-25; 26-100; over 100; NC): \_\_\_\_\_

**F23f.** How many beavers were observed? \_\_\_\_\_

Where? \_\_\_\_\_

**Note: Only answer F24 to F26 if this is a LARGE RIVER site; otherwise skip to F27.**

**F24.** Amount (%) of removal or addition of water from/to a **LARGE RIVER SYSTEM (> 15 m wide):**

(NA; < 10%; 10-25%; 25-50%; > 50%): \_\_\_\_\_

**F25.** Percent control of flood peak and timing by upstream dam(s) on a **LARGE RIVER SYSTEM (> 15 m wide):**

(NA; < 10%; 10-25%; 25-50%; > 50%): \_\_\_\_\_

**F26.** Percent of natural floodplain that is accessible to flood flows for a **LARGE RIVER SYSTEM (> 15 m wide):**

(NA; > 85%; 65-85%; 35-65%; < 35%): \_\_\_\_\_

**F27.** Comments (Summarize unique characteristics or problems not evident from the data collected. Include topics related to any of the optional data. Consider current and historic attributes resulting from human-caused and natural processes.):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**ADDITIONAL DATA**

Polygon Number: \_\_\_\_\_ Record ID No: \_\_\_\_\_

**G1.** Vegetative use by animals (0-25%; 26-50%; 51-75%; 76-100%): \_\_\_\_\_

**G2.** Adjacent uplands (Cropland; Grassland; Shrubland; Forest; or Other): \_\_\_\_\_

**G2b.** Describe adjacent uplands "Other": \_\_\_\_\_

**G3.** Primary Land Use Sector (CHOOSE ONLY ONE):

- \_\_\_ Acreage (excl. other types listed)
- \_\_\_ Agriculture
- \_\_\_ Commercial
- \_\_\_ Energy (Oil, Gas, Coal)
- \_\_\_ Forestry
- \_\_\_ Habitat and Conservation Protection
- \_\_\_ Industrial (excl. other types listed)
- \_\_\_ Institutional
- \_\_\_ Lakefront/Waterfront (excl. other types listed)
- \_\_\_ Military
- \_\_\_ Multi Land Use
- \_\_\_ Open/Vacant
- \_\_\_ Parks/Protected Areas
- \_\_\_ Recreation (excl. other types listed)
- \_\_\_ Residential (excl. other types)
- \_\_\_ Rural Residential (excl. other types listed)
- \_\_\_ Transportation
- \_\_\_ Utility
- \_\_\_ Other \_\_\_\_\_

**G4a and b:** Break down the polygon and the area adjacent to the polygon into the land uses listed (must total to approx. 100%):

|   | <b>a) Polygon</b> | <b>b) Adjacent</b> |
|---|-------------------|--------------------|
| 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:  | _____             | _____              |
| Other:  | _____             | _____              |

Description of Other Usage Noted: \_\_\_\_\_

**G5a.** Do available maps accurately represent the sinuosity of the stream? (Yes; No; NA; NC): \_\_\_\_\_

If **No, G6b.** Determine sinuosity in the field; If **Yes,** determine sinuosity in the office from topo map: \_\_\_\_\_

**G6.** Percent of streambank physically accessible to large animals: \_\_\_\_\_

**G7a.** Has the bank configuration or channel profile been modified by construction? (Yes; No; NC): \_\_\_\_\_

If **Yes, G7b.** How much of the bank or channel length is modified (%)? \_\_\_\_\_

**G7c.** What part resulted from the various sources: (must approx. 100%)

- |               |                                  |                 |
|---------------|----------------------------------|-----------------|
| Dikes _____   | Road Construction _____          | Railroads _____ |
| Berms _____   | Water Diversion Structures _____ | Mining _____    |
| Dams _____    | Vegetation Removal _____         | Bridges _____   |
| Rip-rap _____ | Channelization _____             | Logging _____   |
| Other _____   | Explain "Other": _____           |                 |

**G7d.** Location(s): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**G7e.** If human-caused channel modifications are present, are they stable? (Stable; Unstable): \_\_\_\_\_

**G7f.** What is the effect of the modifications on the immediate and downstream channel?  
\_\_\_\_\_  
\_\_\_\_\_

As of 2013, those CF staff trained by Rosgen 2011-2013 visually estimate the stream and valley(s) for polygon.

**G8.** Rosgen STREAM and VALLEY type classification

**G8a.** Rosgen stream types recorded and the percent of the stream length accounted for by each:

Rosgen 1: \_\_\_\_\_ / \_\_\_\_\_ Rosgen 2: \_\_\_\_\_ / \_\_\_\_\_ Rosgen 3: \_\_\_\_\_ / \_\_\_\_\_ Rosgen 4: \_\_\_\_\_ / \_\_\_\_\_

**G8b.** Rosgen valley types recorded and the percent of the stream length accounted for by each:

Valley 1: \_\_\_\_\_ / \_\_\_\_\_ Valley 2: \_\_\_\_\_ / \_\_\_\_\_ Valley 3: \_\_\_\_\_ / \_\_\_\_\_ Valley 4: \_\_\_\_\_ / \_\_\_\_\_

**G8c.** Comments on basis for, and confidence in, Rosgen calls:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Waterfowl Data**

Polygon Number: \_\_\_\_\_ Record ID No: \_\_\_\_\_

**G9a.** Were waterfowl nests or broods observed? (Yes; No; NC): \_\_\_\_\_

If **Yes, H9b.** Describe: \_\_\_\_\_

**Fishery Data**

**G10a.** Does the polygon contain a fishery? (Yes; No; Unknown): \_\_\_\_\_

If **Yes, G10b.** Is it a sport fishery, non-sport fishery, or unknown: \_\_\_\_\_

**G10c.** Fish types present, if known (use common names or descriptions): \_\_\_\_\_

**G10d.** How many fish were observed? (0; 1-10; 11-50; >50): \_\_\_\_\_

**G10e.** If the polygon does not contain a fishery, is there potential for one? (Yes; No; Unknown): \_\_\_\_\_

Explain: \_\_\_\_\_

**Amphibian and Reptile Data**

**G11a.** Were amphibians seen? (Yes; No; NC): \_\_\_\_\_ If **Yes, G11b.** How many?: Frogs: \_\_\_\_\_ Toads: \_\_\_\_\_ Salamanders: \_\_\_\_\_

**G12a.** Were reptiles seen? (Yes; No; NC): \_\_\_\_\_ If **Yes, G12b.** How many?: Snakes: \_\_\_\_\_ Turtles: \_\_\_\_\_ Lizards: \_\_\_\_\_

**G13.** List amphibian or reptile species and the quantity of each identified in the polygon.

Spp. #1: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

Spp. #2: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

**Threatened and Endangered Species Data**

**G14a.** Were Threatened and Endangered animal species observed? (Yes; No; NC): \_\_\_\_\_

If **Yes, G14b.** What species? Peregrine Falcon: \_\_\_\_\_ Bald Eagle: \_\_\_\_\_ Bull Trout: \_\_\_\_\_

Peregrine Falcon Nest: \_\_\_\_\_ Bald Eagle Nest: \_\_\_\_\_

**G14c.** Other T&E spp. seen? Species Number **G14d.** Location in polygon where T&E animals or nests were sighted:

| Species | Number | Location in polygon where T&E animals or nests were sighted: |
|---------|--------|--|
| _____   | _____  | _____  |
| _____   | _____  | _____  |
| _____   | _____  | _____  |
| _____   | _____  | _____  |

**Notable Bird Observations**

**G15.** Were bird species seen? (Yes; No; NC): \_\_\_\_\_ Record bird species observed in polygon.

Spp. #1: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

Spp. #2: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

Spp. #3: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

Spp. #4: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

Spp. #5: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

Spp. #6: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

Spp. #7: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

**Rare Plant Observations**

**G16.** Were rare plant species observed on the polygon? (Yes; No; NC): \_\_\_\_\_

Spp. #1: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

Spp. #2: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

Spp. #3: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

**G17.** Additional Comments:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**WAYPOINT DATA/Polygon Boundary Descriptions**

**H1. NON-PHOTO WAYPOINTS** related to polygon (lateral extent, weed patches, etc.)

TRIMBLE/GPS Unit #: \_\_\_\_\_ User Name: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ **Zone:** \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

Waypoint Name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_  
Waypoint Description: \_\_\_\_\_

**WAYPOINT DATA/Polygon Boundary Descriptions**

**H2.** Detailed description of upper and lower ends and width (lateral boundaries) of the polygon (*previously F28*):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PHOTOGRAPH DATA (Do not exceed 40 photos per polygon)**

**I1.** Identification of photos (taken at the *Upstream end of polygon*):

Photographer: \_\_\_\_\_ Camera Number: \_\_\_\_\_ TRIMBLE/GPS Unit #: \_\_\_\_\_

**Benchmarks Upper End:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: Degrees: Upstream views/OUT of polygon

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Photo #: Degrees: Downstream views/INTO polygon

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**I2.** Identification of photos (taken at the *Downstream end of polygon*):

Photographer: \_\_\_\_\_ Camera Number: \_\_\_\_\_ TRIMBLE/GPS Unit #: \_\_\_\_\_

**Benchmarks Lower End:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: Degrees: Downstream views/OUT of polygon:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Photo #: Degrees: Upstream views/INTO polygon:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**I3. Additional Photos and Locations:**

Photographer: \_\_\_\_\_ Camera Number: \_\_\_\_\_ TRIMBLE/GPS Unit #: \_\_\_\_\_

**Photo Location 1:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 2:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 3:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 4:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 5:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 6:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

Polygon Number: \_\_\_\_\_ Record ID No: \_\_\_\_\_

Photographer: \_\_\_\_\_ Camera Number: \_\_\_\_\_ TRIMBLE/GPS Unit #: \_\_\_\_\_

**Photo Location 7:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 8:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 9:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 10:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 11:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 12:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

Polygon Number: \_\_\_\_\_ Record ID No: \_\_\_\_\_

Photographer: \_\_\_\_\_ Camera Number: \_\_\_\_\_ TRIMBLE/GPS Unit #: \_\_\_\_\_

**Photo Location 13:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 14:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 15:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 16:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 17:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

**Photo Location 18:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

---

---

---

---

Polygon Number: \_\_\_\_\_ Record ID No: \_\_\_\_\_

Photographer: \_\_\_\_\_ Camera Number: \_\_\_\_\_ TRIMBLE/GPS Unit #: \_\_\_\_\_

**Photo Location 19:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Photo Location 20:** Waypoint name: \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_ Zone \_\_\_\_\_

Photo #: \_\_\_\_\_ Degrees: \_\_\_\_\_ Describe photo and waypoint location:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**13a.** Additional LOTIC photo page entered? (Yes; No): \_\_\_\_\_

**14a.** Is there an adjacent polygon *upstream*? (Yes; No): \_\_\_\_\_ **14b.** Adjacent Poly Name Upstream: \_\_\_\_\_

**15a.** Is there an adjacent polygon *downstream*? (Yes; No): \_\_\_\_\_ **15b.** Adjacent Poly Name Downstream: \_\_\_\_\_

**16.** Film and Camera Specs: Camera Type: \_\_\_\_\_ Film Speed(ASA)/Image Quality (dpi): \_\_\_\_\_

Lens dia. (mm): \_\_\_\_\_ Lens foc. len. (mm): \_\_\_\_\_ Filter used (polarizer or none): \_\_\_\_\_