

ALBERTA LOTIC WETLAND INVENTORY FORM

Polygon No: _____ Record ID 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: _____

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)**

D6g. Basis of Call: _____
(new 2008) _____

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
3 (>6.0 ft):	_____	_____	_____	_____
2 (>1.5 - 6.0 ft):	_____	_____	_____	_____
1 (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: _____

Weed Data

D13a. Are invasive species present ? (Yes; No; NC): _____

If **Yes, D13b.** Enter the Canopy Cover and the Density/Distribution Class for each of the following invasive species:

	Canopy Cover	Density/Distribution Class
blueweed (ECHIVUL):	_____	_____
Canada thistle (CIRSARV):	_____	_____
caragana (CARAARB):	_____	_____
cleavers (GALIAPA):	_____	_____
common burdock (ARCTMIN):	_____	_____
common hound's-tongue (CYNOOFF):	_____	_____
common tansy (TANAVUL):	_____	_____
Dalmatian Toadflax (LINADAL):	_____	_____
diffuse knapweed (CENTDIF):	_____	_____
downy chess (BROMTEC):	_____	_____
European buckthorn (RHAMCAT):	_____	_____
field bindweed (CONVARV):	_____	_____
leafy spurge (EUPHESU):	_____	_____
nodding thistle (CARDNUT):	_____	_____
ox-eye daisy (CHRYLEU):	_____	_____
perennial sow-thistle (SONCARV):	_____	_____
purple loosestrife (LYTHSAL):	_____	_____
Russian knapweed (CENTREP):	_____	_____
Russian olive (ELAEANG):	_____	_____
scentless chamomile (MATRPER):	_____	_____
smooth perennial sow-thistle (SONCULI):	_____	_____
spotted knapweed (CENTMAC):	_____	_____
tall buttercup (RANUACR):	_____	_____
tamarisk/salt cedar (TAMACHI):	_____	_____
white cockle (SILEPRA):	_____	_____
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

ElevatedSpecies:	Status	CC	DD
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

D14a. Are undesirable herbaceous species present? If **Yes**, **D14b.** Record the combined canopy cover (%) of all
 (Yes; No; NC): _____ undesirable herbaceous species observed: _____

D15. Habitat Types and Community Types

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

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 _____ Trails
- _____ 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 and/or hummocks present? (Yes; No; NC): _____ If **Yes, F20b.** What Percent (%): _____

F20c. Distribution of hummocks/pugging: 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:

- ___ Agriculture
- ___ Commercial
- ___ Energy (Oil, Gas, Coal)
- ___ Industrial (excl. other types listed)
- ___ Forestry
- ___ Recreation (excl. other types listed)
- ___ Habitat and conservation Protection
- ___ Parks/Protected Areas
- ___ Residential (excl. other types)
- ___ Rural Residential (excl. other types listed)
- ___ Acreage (excl. other types listed)
- ___ Lakefront/Waterfront (excl. other types listed)
- ___ Transportation
- ___ Utility
- ___ Institutional
- ___ Military
- ___ Open/Vacant
- ___ 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%):

	a) Polygon	b) Adjacent
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 (Other than Waterfowl)

G15. Were notable bird species (other than waterfowl) seen? (Yes; No; NC): _____

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

Polygon Number: _____ Record ID No: _____

H1. Detailed description of upper and lower ends and width (lateral boundaries) of the polygon (*previously F28*):

H2. 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:** _____

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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: _____

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:

Polygon Number: _____ Record ID No: _____

Photographer: _____ **Camera Number:** _____ **TRIMBLE/GPS Unit #:** _____

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:

Photo Location 7: 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 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:

Photo Location 13: 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 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:

Photo Location 19: 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 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): _____