

ALBERTA LENTIC WETLAND INVENTORY FORM

Polygon Number: 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 North/East/South/West END: \_\_\_\_\_ Easting \_\_\_\_\_; Northing: \_\_\_\_\_; Zone: \_\_\_\_\_
- B10b.** UTM coordinates North/East/South/West END: \_\_\_\_\_ Easting \_\_\_\_\_; Northing: \_\_\_\_\_; Zone: \_\_\_\_\_  
GPS Projection: \_\_\_\_\_
- 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.** Wetland/waterbody type: \_\_\_\_\_ **C2.** Polygon size (ac): \_\_\_\_\_ ; (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 shoreline? (Yes; No; NC): \_\_\_\_\_  
**C5.** Polygon length (mi): \_\_\_\_\_ ; (km): \_\_\_\_\_ **C6.** Number of miles the polygon represents (mi): \_\_\_\_\_ ; (km): \_\_\_\_\_  
**C7a.** Average polygon width (ft): \_\_\_\_\_ ; (m): \_\_\_\_\_  
**C7b.** Polygon width range (ft): \_\_\_\_\_ to \_\_\_\_\_ ; (m): \_\_\_\_\_ to \_\_\_\_\_

**Health Assessment Summary**

**C8.** Polygon Health: Rating Percent (%) \_\_\_\_\_ Descriptive Category: \_\_\_\_\_  
 Vegetation: \_\_\_\_\_  
 Soil / Hydrology: \_\_\_\_\_  
**OVERALL:** \_\_\_\_\_

| <i>Rating Percent Range</i> | <i>Descriptive Category</i>                     |
|-----------------------------|-------------------------------------------------|
| 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 | <b>D3.</b> Regeneration Category | <b>D4.</b> Age Group Distribution Category | <b>D5a.</b> 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**

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

**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)

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

**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 |
|---------------------------|-------|--------|------------|-------|
| <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:** \_\_\_\_\_

**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; NC):**

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

| ElevatedSpecies: | Status | CC    | DD    |
|------------------|--------|-------|-------|
| _____            | _____  | _____ | _____ |
| _____            | _____  | _____ | _____ |
| _____            | _____  | _____ | _____ |



**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.** What is the primary water source on the polygon? (Perennial stream, Overland surface flow, Springs/seeps, Topographic contact with groundwater table, Unknown, Other): \_\_\_\_\_ Explain Other: \_\_\_\_\_

**F2.** Is the water body in a closed basin with no outlet? (Yes, No, NA, NC): \_\_\_\_\_

**F3.** Describe the water chemistry (Alkaline/Saline; Fresh, Unknown, NC): \_\_\_\_\_

**F4a.** Degree of artificial change of water level (Not Subjected, Minor, Moderate, Extreme, NC): \_\_\_\_\_

**F4b.** Basis of call: \_\_\_\_\_

**F5a.** Is there an overflow structure? (Yes, No, NA, NC): \_\_\_\_\_

If **Yes, F5b.** Indicate type (Concrete, Pipe, Rock Armored, Unprotected, Other): \_\_\_\_\_

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

**F5c.** Does the overflow structure appear stable? (Yes, No, NA, NC): \_\_\_\_\_ Stability Category: \_\_\_\_\_

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

**F5d.** Location of overflow structure on waterbody: \_\_\_\_\_

**F6a.** Does the Polygon Contain a defined shoreline? (Yes; No; NC): \_\_\_\_\_ If **No**, Skip to item F8 below.

If **Yes, F6b.** Are shoreline mineral substrates visible? (Yes; No; NC): \_\_\_\_\_

If **Yes, F6c.** Give the percent of each size (total must approx. 100%):

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

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

**F8.** Is there alteration of the polygon vegetation by human activities (Yes; No; NC)? \_\_\_\_\_

**F8a.** What percent of the polygon vegetation has been altered by human activities? \_\_\_\_\_

**F8b.** Breakdown the causes of human-caused alteration to the polygon vegetation (must approx. 100%):

|                   |               |                               |                  |             |
|-------------------|---------------|-------------------------------|------------------|-------------|
| _____ Grazing     | _____ Logging | _____ Cottage or Urban Devel. | _____ Recreation | _____ Other |
| _____ Cultivation | _____ Mining  | _____ Construction            | _____ Dugout     |             |

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

**F8c.** Breakdown the kinds of human-caused alteration to the polygon vegetation (must approx. 100%):

|                                |                                                |                                    |
|--------------------------------|------------------------------------------------|------------------------------------|
| _____ Clearing - Land          | _____ Replace Tall Woodies to Short Woodies    | _____ Replace Native to Non-native |
| _____ Clearing - Emergent Veg. | _____ Replace Tall Herbaceous with Short Herb. | _____ Other                        |

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

**F8d.** Comment on the nature and extent of human-caused alteration to the vegetation:  
\_\_\_\_\_  
\_\_\_\_\_

**F9a.** Is there physical alteration of the polygon by human activities (Yes; No; NC)? \_\_\_\_\_ If **No**, go to **F9e**.

**F9b.** What percent of the polygon has been physically altered by human activities (aside from the vegetation)? \_\_\_\_\_

**F9c.** Breakdown the causes of human-caused alteration to the physical polygon site (must approx. 100%):

|                   |               |                               |                        |              |
|-------------------|---------------|-------------------------------|------------------------|--------------|
| _____ Grazing     | _____ Logging | _____ Cottage or Urban Devel. | _____ Recreation       | _____ Dugout |
| _____ Cultivation | _____ Mining  | _____ Roads and Railroads     | _____ Water Management | _____ Other  |

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

**F9d.** Breakdown the kinds of human-caused alteration to the physical polygon site (must approx. 100%):

|                                                               |                                                              |
|---------------------------------------------------------------|--------------------------------------------------------------|
| _____ Soil Compaction (hum-pug, trails, paths, wallows, etc.) | _____ Hydrologic Change (ditching, draining, flooding, etc.) |
| _____ Human Impervious Surface (pavement, roofs, walks, etc.) | _____ Topographic Change (landscaping)                       |
| _____ Bank Alteration (hoof shear, riprap, berms, etc.)       | _____ Plowing/tilling _____ Other                            |

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

**F9e.** Choose a category to describe the severity of the alteration recorded in F9a. (None, Slight, Moderate, Severe): \_\_\_\_\_

**F9f.** Comment on any odd or unusual aspect of human-caused alteration to the physical polygon:  
\_\_\_\_\_  
\_\_\_\_\_



**PHOTOGRAPH DATA (new layout as of 2018)**

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

Photographer: \_\_\_\_\_ Camera Number: \_\_\_\_\_

**G1a. Benchmark photos (taken at the centre, north, east, south or west end of the polygon):** \_\_\_\_\_  
(Only record center photo in G1)

**G1b. Inner benchmark (taken at edge of open water or emergent vegetation if accessible and applicable)**

Benchmark Waypoint (BI): \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: **OUT** of Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

Photo #: **INTO** Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

**G1c. Secondary inner benchmark if needed; taken at future repeatable location**

If center photo taken in G1, include location on polygon of secondary benchmark (taken at north, east, south or west end of polygon): \_\_\_\_\_

Photo Waypoint (BM): \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: **OUT** of Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

Photo #: **INTO** Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

**G1d. Lateral benchmark (benchmarks taken at the lateral extent of the polygon)**

If center photo taken in G1, include location on polygon of lateral benchmark (taken at north, east, south or west end of polygon): \_\_\_\_\_

Photo Waypoint (BL): \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: **OUT** of Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

Photo #: **INTO** Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_



**PHOTOGRAPH DATA (new layout as of 2018)**

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

Photographer: \_\_\_\_\_ Camera Number: \_\_\_\_\_

**G2a. Benchmark photos (taken at the north, east, south or west end of the polygon):** \_\_\_\_\_

**G2b. Inner benchmark (taken at edge of open water or emergent vegetation if accessible and applicable)**

Benchmark Waypoint (BI): \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: **OUT** of Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

Photo #: **INTO** Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

**G2c. Secondary inner benchmark if needed; taken at future repeatable location**

If center photo taken in G1, include location on polygon of secondary benchmark (taken at north, east, south or west end of polygon): \_\_\_\_\_

Photo Waypoint (BM): \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: **OUT** of Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

Photo #: **INTO** Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

**G2d. Lateral benchmark (benchmarks taken at the lateral extent of the polygon)**

If center photo taken in G1, include location on polygon of lateral benchmark (taken at north, east, south or west end of polygon): \_\_\_\_\_

Photo Waypoint (BL): \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: **OUT** of Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

Photo #: **INTO** Polygon (describe view):

\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_  
\_\_\_\_\_ View \_\_\_\_\_

**G3a.** Is there an adjacent polygon north and/or west of this polygon ? (Yes; No): \_\_\_\_\_ **G3b.** Adj. polygon name N/W: \_\_\_\_\_

**G4a.** Is there an adjacent polygon south and/or east of this polygon ? (Yes; No): \_\_\_\_\_ **G4b.** Adj. polygon name S/E: \_\_\_\_\_

**PHOTOGRAPH DATA (new layout as of 2018)**

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

Photographer: \_\_\_\_\_ Camera Number: \_\_\_\_\_

**G5. Other photos or relevant waypoints of the polygon:**

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

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Waypoint name: \_\_\_\_\_ Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Zone: \_\_\_\_\_

Photo #: \_\_\_\_\_ Describe photo or waypoint: \_\_\_\_\_

**G6. Additional LENTIC photo page entered (Yes: No): \_\_\_\_\_**

**ADDITIONAL DATA**

**H1.** Vegetative use by animals (0-25%; 26-50%; 51-75%; 76-100%): \_\_\_\_\_

**H2.** Adjacent uplands (Cropland; Grassland; Shrubland; Forest; or Other): \_\_\_\_\_

**H2b.** Describe adjacent uplands "Other": \_\_\_\_\_

**H3.** Primary Land Use Sector:

**H4a 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 |
|-------------------------------------------------------|-----------------------------------------------------------|-------------|
| _____ Agriculture                                     | No land use apparent: _____                               | _____       |
| _____ Commercial                                      | Turf grass (lawn): _____                                  | _____       |
| _____ Energy (Oil, Gas, Coal)                         | Tame pasture (grazing): _____                             | _____       |
| _____ Industrial (excl. other types listed)           | Native pasture (grazing): _____                           | _____       |
| _____ Forestry                                        | Recreation (ATV paths, campsites, etc.): _____            | _____       |
| _____ Recreation (excl. other types listed)           | Development (buildings, corrals, paved lots, etc.): _____ | _____       |
| _____ Habitat and conservation Protection             | Tilled Cropping: _____                                    | _____       |
| _____ Parks/Protected Areas                           | Perennial forage (e.g., alfalfa hayland): _____           | _____       |
| _____ Residential (excl. other types)                 | Roads: _____                                              | _____       |
| _____ Rural Residential (excl. other types listed)    | Logging: _____                                            | _____       |
| _____ Acreage (excl. other types listed)              | Mining: _____                                             | _____       |
| _____ Lakefront/Waterfront (excl. other types listed) | Railroads: _____                                          | _____       |
| _____ Transportation                                  | Other: _____                                              | _____       |
| _____ Utility                                         |                                                           |             |
| _____ Institutional                                   |                                                           |             |
| _____ Military                                        |                                                           |             |
| _____ Open/Vacant                                     |                                                           |             |
| _____ Other _____                                     | Description of Other Usage Noted: _____                   |             |

**H5.** Percent of polygon area accessible to large animals: \_\_\_\_\_

**H6a.** If the polygon has a bank, has the bank profile been modified by construction? (Yes; No; NC, NA): \_\_\_\_\_

If **Yes, H6b.** How much of the bank length is modified (%)? \_\_\_\_\_

**H6c.** 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": _____           |                 |

**H6d.** Location(s): \_\_\_\_\_

**Waterfowl Data**

**H7a.** Were waterfowl nests or broods observed? (Yes; No; NC): \_\_\_\_\_

If **Yes, H7b.** Describe: \_\_\_\_\_

**Fishery Data**

**H8a.** Does the polygon contain a fishery? (Yes; No; Unknown): \_\_\_\_\_

If **Yes, H8b.** Is it a sport fishery, non-sport fishery, or unknown: \_\_\_\_\_

**H8c.** Fish types present, if known (use common names or descriptions): \_\_\_\_\_

**H8d.** How many fish were observed? (0; 1-10; 11-50; >50): \_\_\_\_\_

**H8e.** If the polygon does not contain a fishery, is there potential for one? (Yes; No; Unknown): \_\_\_\_\_

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

**Amphibian and Reptile Data**

**H9a.** Were amphibians observed? (Yes; No; NC): \_\_\_\_\_ **If Yes, H9b.** How many?: Frogs: \_\_\_\_\_ Toads: \_\_\_\_\_ Salamanders: \_\_\_\_\_

**H10a.** Were reptiles observed? (Yes; No; NC): \_\_\_\_\_ **If Yes, H10b.** How many?: Snakes: \_\_\_\_\_ Turtles: \_\_\_\_\_ Lizards: \_\_\_\_\_

**H11.** List amphibian or reptile species and the quantity of each identified in the polygon.

Spp. #1: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_  
 Spp. #2: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_  
 Spp. #3: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_  
 Spp. #4: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

**Beaver Data**

**H12a.** Is there evidence of beaver in the polygon? (Yes; No; NC) \_\_\_\_\_

If **Yes,** H12b. (Active; Inactive): \_\_\_\_\_ **H12c.** Describe the type and amounts of beaver activity observed:

**H12d.** # of beaver dams: \_\_\_\_\_ # of beaver dams: \_\_\_\_\_ Old (prior to 2015 combined: dams and lodges: \_\_\_\_\_

**H12e.** Level of beaver activity (number of stems chewed) (1-25; 26-100; over 100; NC): \_\_\_\_\_

**H12f.** How many beavers were observed? \_\_\_\_\_

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

**Threatened and Endangered Species Data**

**H13a.** Were Threatened and Endangered animal species observed? (Yes; No; NC): \_\_\_\_\_

| <b>H13b.</b> Species observed: | Species | Number | Species | Number |
|--------------------------------|---------|--------|---------|--------|
|                                | _____   | _____  | _____   | _____  |
|                                | _____   | _____  | _____   | _____  |

**H13c.** Location in polygon where Threatened and Endangered animals or nests were sighted:

**Notable Bird Observations (Other than Waterfowl)**

**H14.** 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.: \_\_\_\_\_  
 Spp. #8: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_  
 Spp. #9: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_  
 Spp. #10: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_  
 Spp. #11: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_  
 Spp. #12: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

**Rare Plant Observations**

**H15.** Were rare plant species observed on the polygon? (Yes; No; NC): \_\_\_\_\_

Spp. #1: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_  
 Spp. #2: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_  
 Spp. #3: \_\_\_\_\_ No.: \_\_\_\_\_ Loc.: \_\_\_\_\_

**H16.** Additional Comments:

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