

**SURVEYOR INFORMATION**

Survey date: _____ - _____ - _____	Time from: _____ to: _____ am or pm (circle)	Sourcecode: F _____ MIUS
Surveyors (principal surveyor first, include first & last name): _____ _____		
Weather conditions: _____		
Revisit to this EO needed? <input type="checkbox"/> yes <input type="checkbox"/> no Why?: _____ EO refers to element occurrence i.e. the species this form is reporting on		

**ELEMENT INFORMATION**

Scientific name: _____	Data sensitive? Y N	EOID: _____	Occ.# (if known): _____
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**FILING**

SURVEYSITE: _____	SITENAME: _____
QUADCODE: _____	QUADNAME: _____

**LOCATIONAL INFORMATION**

Was the Landowner contacted? Yes \_\_\_\_\_ No \_\_\_\_\_ Landowner Name: \_\_\_\_\_  
\_\_\_\_\_

Owner Type: \_\_\_\_\_ Note: \_\_\_\_\_

**DIRECTIONS:** Provide detailed directions to the observation (rather than the survey site). Include landmarks, roads, towns, distances, compass directions.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Township/Range/Section _____	Watershed _____
County _____	Managed area _____

Was GPS used? Yes \_\_\_\_\_ No \_\_\_\_\_ Type of unit \_\_\_\_\_ Unit number \_\_\_\_\_

Waypoint name/# (when using Garmin) \_\_\_\_\_ File name (when using Trimble) \_\_\_\_\_

OPTIONAL: Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**FEATURE INFORMATION (mandatory)** Point: <12.5 m in both dimensions, Line: >12.5 m in one dimension, Polygon: >12.5m in both dimensions

Source Feature: Single Source EO \_\_\_\_\_ Multi-Source EO \_\_\_\_\_ Conceptual Feature Type: Point \_\_\_\_\_ Line \_\_\_\_\_ Polygon \_\_\_\_\_

**TOPOGRAPHIC MAP (mandatory)**

- Attach a photocopy of the appropriate part of a USGS topographic map (1:24,000 scale if available) and write the map scale on the photocopy. Please do NOT enlarge or reduce the map.
- Indicate on the map the exact location of the observation(s):
  - When the observed area is **no larger than a pen point** on the map (i.e., only a small number of individuals or extremely small patches), place small points on the map indicating the location(s) of the individuals or patches, and label each point with an arrow so they are more easily seen.
  - When the observed area is **larger than a pen point** on the map, (e.g., a population of plants, foraging birds):
    - Draw a thin solid boundary line showing the extent of the observed area occupied by the individuals.
    - Indicate disjunct patches (polygons) by drawing the boundary for each patch separately.
    - If the boundary follows the edge of a lake, stream, road, marsh or other feature, draw the boundary precisely on the edge of the feature.
  - Where needed, add notes to the map with instructions on where the boundary line is located or if the boundary is shared with other observations.
- A hand drawn sketch may be included for finer details.

**LOCATIONAL CERTAINTY**

Is your depiction of the observed area on the map within 6.25 m (**approximately 20ft**) of its actual location on the ground? Y N

If **N**, complete the following:

- Estimate of uncertainty distance: based on landmarks, elevation, etc., the location of the observed area on the map is accurate to within \_\_\_\_\_ meters kilometers feet miles of its actual location on the ground.
- Is the observed area known to be located within some feature(s) on the map (e.g., wetland boundary, lake, road, trail, highway, contour lines)? Y N  
If Y, indicate the boundary within which the observed area is known to be located on the map line, and if applicable, identify the feature (e.g., marsh).



**HABITAT DESCRIPTION:** Describe the specific habitat or micro habitat where this animal occurs. Convey a mental image of the habitat and its features including: land forms, aquatic features, vegetation, slope, aspect, soils, associated plant and animal species, natural disturbances.

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RIPARIAN DESCRIPTION (trees, shrubs present) \_\_\_\_\_

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SUBSTRATE (cobble, boulder, aquatic vegetation, etc.) \_\_\_\_\_

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CURRENT THREATS to this occurrence (i.e., grazing, logging, mining, plantations, ATVs, dumping, etc). *Exotics implied if listed out in previous section.*

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POTENTIAL THREATS to this occurrence (erosion, development): \_\_\_\_\_

PAST IMPACTS to the occurrence (i.e., logging, , etc.): \_\_\_\_\_

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Width:	Depth:	Water Clarity:	Flow:
pH:	Conductivity:	Temp:	Other:

**MANAGEMENT AND PROTECTION**

MANAGEMENT, MONITORING AND RESEARCH NEEDS for this occurrence (e.g. burn periodically, open the canopy, ensure water quality, control exotics, keep out the ATV's, study effects of browsing)

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AREAS IN NEED OF PROTECTION: (e.g. the entire marsh, the slope and crest of slope, the fen and upland, etc.) \_\_\_\_\_

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**OTHER FORMS**

\_\_\_\_ Stream Morphometry    \_\_\_\_ EPA Habitat    \_\_\_\_ Mussel Survey    \_\_\_\_ Fish Survey    \_\_\_\_ Other: \_\_\_\_\_