

SPECIAL ANIMAL SURVEY FORM



SURVEYOR INFORMATION

Survey date: <u>2008-06-06</u>	Time from: _____ to: _____ am or pm (circle)	Sourcecode: F _____ M I U S
Surveyors (principal surveyor first, include first & last name): <u>PETER WYCOFF (DUCKS UNLIMITED)</u>		
Weather conditions: _____		
Revisit to this EO needed? <input type="checkbox"/> yes <input type="checkbox"/> no Why?: _____		

ELEMENT INFORMATION

Scientific name: <u>ELAPHE GLOYDI</u>	Data sensitive? <input checked="" type="radio"/> Y <input type="radio"/> N	EOID: _____	Occ.# (if known): _____
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FILING

SURVEYSITE: _____	SITENAME: <u>ENRICO FERMI NUCLEAR GENERATING STATION</u>
QUADCODE: _____	QUADNAME: <u>STONY POINT, MI</u>

LOCATIONAL INFORMATION

Was the Landowner contacted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Landowner Name: _____	
Owner Type: <u>UTILITY</u> Note: _____	
DIRECTIONS: Provide detailed directions to the observation (rather than the survey site). Include landmarks, roads, towns, distances, compass directions. _____ _____ _____	
Township/Range/Section <u>T6S R10E SE 1/4 OF SE 1/4 SECTION 17 AND T6S R10E SW 1/4 OF NE 1/4 SECTION 20</u>	
County <u>MONROE</u>	Managed area <u>LACONIA BEACH UNIT OF DR1WR</u>
Was GPS used? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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 <input checked="" type="checkbox"/> Multi-Source EO _____ Conceptual Feature Type: Point _____ Line _____ Polygon _____	
TOPOGRAPHIC MAP (mandatory)	
<p>1. 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.</p> <p>2. Indicate on the map the exact location of the observation(s):</p> <p>a. 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 <u>small points</u> 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.</p> <p>b. When the observed area is larger than a pen point on the map, (e.g., a population of plants, foraging birds):</p> <p>(1) Draw a <u>thin solid boundary line</u> showing the extent of the observed area occupied by the individuals.</p> <p>(2) Indicate disjunct patches (polygons) by drawing the boundary for each patch separately.</p> <p>(3) If the boundary follows the edge of a lake, stream, road, marsh or other feature, draw the boundary <u>precisely on the edge</u> of the feature.</p> <p>(4) 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.</p> <p>3. A hand drawn sketch may be included for finer details.</p>	
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? <input checked="" type="radio"/> Y <input type="radio"/> N	
If N , complete the following:	
a. 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.	
b. 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)? <input type="checkbox"/> Y <input checked="" type="checkbox"/> 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).	

IDENTIFICATION
 Photograph/slide taken? ☐ yes ☒ no If yes, will a copy be submitted to Heritage? ☐ yes ☐ no MNFI office: Added to collection? ☐ (check)
 Specimen collected? ☐ yes ☒ no Collection # and repository: _____
 Identification problems? ☐ yes ☒ no If necessary, describe the important animal characteristics you used for identification: _____

SIZE OF ELEMENT OCCURRENCE

Size is a quantitative measure of the area and/or abundance of an occurrence. Components of this factor are 1) area of occupancy, 2) population abundance, 3) population density and 4) population fluctuation.

Type of observation: ☒ sight ☐ song/vocalization ☐ road kill ☐ trapped ☐ other (explain): _____

Abundance (number of pairs, chicks, nests, adults, juveniles, hatchlings, behavior, sex, size of each individual, etc.): _____

Actual number observed: 2 INDIVIDUALS OBSERVED

Number estimated and basis for estimate: _____

Population density (if practical): number: _____ per area unit: _____ (i.e., meters², kilometers², miles², etc.)

Does population fluctuate? (May be particularly relevant to invertebrates):
☐ yes ☐ no ☐ unknown. Explain: _____

Area of occupancy (fill in one): _____ meters _____ acres _____ miles Type of measurement (check one): ☐ Precise ☐ Estimate

[illegible]

CONDITION:
Condition is an integrated measure of the quality of biotic and abiotic factors, structures and processes within the occurrence, and the degree to which they affect the continued existence of the occurrence. Components of condition for species are: 1) reproduction and health, 2) ecological processes, 3) species composition and biological structure, 4) abiotic physical/chemical factors. Factors to consider: evidence of regular successful reproduction, habitat degradation, disturbance, presence of exotic species, the degree to which ecological processes are sustaining the habitat. Where possible include a comparison to other occurrences.

EVIDENCE OF REPRODUCTION: _____

EVIDENCE OF DISEASE/PREDATION: _____

CONDITION (continued)

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.

BOTH SIGHTINGS WERE IN WETLAND, ONE AREA DOMINATED BY EMERGENT/FORESTED VEGETATION, THE OTHER SCRUB-SHRUB WETLAND. BOTH LOCATIONS ARE DISTURBED AND WETLAND COLONIZED BY AN INVASIVE (PHRAGMITES)

LANDSCAPE CONDITION: Describe the condition of the landscape surrounding the elements habitat (i.e., farmland, residential area, pristine forest)

INDUSTRIAL SITE (UTILITY)

CURRENT THREATS to this occurrence (i.e., grazing, logging, mining, plantations, ATVs, dumping, etc.) Discuss exotics in the next section.

POTENTIAL THREATS to this occurrence:

EXOTICS PRESENT? ___yes ___no. If yes, describe their impacts to the occurrence.

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

TOPOGRAPHY

Elevation: 575 ft.

If elevation is a range:

Minimum: _____ ft.
Maximum: _____ ft.

Aspect:

___ N ___ NE
___ E ___ NW
___ S ___ SE
___ W ___ SW

Slope:

___ flat
___ 0-10
___ 10-35
___ 35+
___ vertical

Light:

___ open
___ partial
☒ filtered
___ shade

Position:

___ crest
___ upper slope
___ mid slope
___ lower slope
___ bottom

Moisture:

___ Inundated
☒ saturated (wet-mesic)
___ moist (mesic)
___ dry-mesic
___ dry (xeric)

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 ATVs, study effects of browsing)

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

If you have any questions regarding this form and its methodology please contact MNFI at (517) 373-1552.

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Rev. 10/2003

Eastern Fox Snake

