

SPECIAL ANIMAL SURVEY FORM



SURVEYOR INFORMATION

Survey date: <u>2009-22-04</u>	Time from: <u>7:23</u> to: <u>8:33</u> (ap or pm (circle))	Sourcecode: F _____ MIUS
Surveyors (principal surveyor first, include first & last name): <u>ED SHADRICK AND LAURA MCNEIL</u>		
Weather conditions: _____		
Revisit to this EO needed? <input type="checkbox"/> yes <input type="checkbox"/> no Why?: _____		

ELEMENT INFORMATION

Scientific name: <u>EMYDOIDEA BLANDINGII</u>	Data sensitive? <input checked="" type="checkbox"/> 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 _____ Landowner Name: <u>DETROIT EDISON COMPANY</u>	
Owner Type: <u>UTILITY</u> Note: _____	
<b>DIRECTIONS:</b> Provide detailed directions to the observation (rather than the survey site). Include landmarks, roads, towns, distances, compass directions. <u>FERMI DRIVE EAST TO QUARRY LAKES RD. SOUTH (RIGHT) APPROXIMATELY 1800 FT.</u>	
Township/Range/Section <u>T6S R10E N6W4 OF SW1/4 SECTION 20</u>	
County _____	Managed area _____
Was GPS used? Yes _____ 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 _____	
<b>TOPOGRAPHIC MAP (mandatory)</b>	
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.	
2. Indicate on the map the exact location of the observation(s):	
a. When the observed area is <b>no larger than a pen point</b> 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.	
b. When the observed area is <b>larger than a pen point</b> on the map, (e.g., a population of plants, foraging birds):	
(1) Draw a <u>thin solid boundary line showing the extent of the observed area</u> occupied by the individuals.	
(2) Indicate disjunct patches (polygons) by drawing the boundary for each patch separately.	
(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.	
(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.	
3. A hand drawn sketch may be included for finer details.	
<b>LOCATIONAL CERTAINTY</b>	
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="checkbox"/> Y <input type="checkbox"/> 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)? Y <input type="checkbox"/> N <input type="checkbox"/>	
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).	



**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.

ONE INDIVIDUAL OBSERVED CROSSING ROAD, MOVING EAST TO WEST. TO EAST IS AN APPROXIMATELY 0.6-ACRE POND WITH ASSOCIATED EMERGENT WETLAND. TO WEST IS RUDEERAL FOREST WITH A QUARRY LAKE BEYOND. POND IS SURROUNDED BY WOODS WITH CLOSED CANOPY AND LITTLE UNDERSTORY. MANY DEADFALLS IN WOODS ARE ASH TREES THAT MAY HAVE BEEN INFESTED BY EMERALD ASH BORER OR OTHER PATHOGENS.

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

DISTURBED AREA TO WEST USED AS SOIL AND TIMBER DISPOSAL. WOODS

**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: 576 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

# Blanding's Turtle

