

## **Appendix D**

### **Michigan Natural Features Inventory Survey Forms**

**SURVEYOR INFORMATION**

Survey date: <u>2008-25-07</u>	Time from: <u>10:40</u> to: <u>11:05</u> am or pm (circle)	Sourcecode: F _____ MIUS
Surveyors (principal surveyor first, include first & last name): <u>ED SHADRICK AND JASON BRINKMAN</u>		
Weather conditions: <u>WARM, BREEZY, PARTLY CLOUDY</u>		
Revisit to this EO needed? <input type="checkbox"/> yes <input type="checkbox"/> no Why?: _____		

**ELEMENT INFORMATION**

Scientific name: <u>CHARADRIUS MELANOS</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  No  Landowner Name: DETROIT EDISON COMPANY

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

**DIRECTIONS:** Provide detailed directions to the observation (rather than the survey site). Include landmarks, roads, towns, distances, compass directions.  
FERMI DRIVE EAST TO LAKE ERIE SHORELINE, SLIGHTLY SOUTH TO MARROW BEACH

Township/Range/Section T6S R10E S1/2 OF NW1/4 SECTION 21

County <u>MONROE</u>	Managed area _____
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  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).



**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.

NARROW (<30 FT) SANDY/GRAVEL BENCH BELOW ROCK RIPRAP ADJACENT TO POWER PLANT BUILDINGS.  
LIKELY USED AS LAYOVER - NOT A RESIDENT SPECIES ON THE SITE.

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

DISTURBED INDUSTRIAL SHORELINE

**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.):

<b>TOPOGRAPHY</b> Elevation: <u>571</u> ft. If elevation is a range: Minimum: _____ ft. Maximum: _____ ft.	<b>Aspect:</b> ___N ___NE ___E ___NW ___S ___SE ___W ___SW	<b>Slope:</b> ___flat ___0-10 ___10-35 ___35+ ___vertical	<b>Light:</b> ___open ___partial ___filtered ___shade	<b>Position:</b> ___crest ___upper slope ___mid slope ___lower slope ___bottom	<b>Moisture:</b> ___inundated (wet-mesic) ___saturated (wet-mesic) ___moist (mesic) ___dry-mesic ___dry (xeric)
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**MANAGEMENT AND PROTECTION**

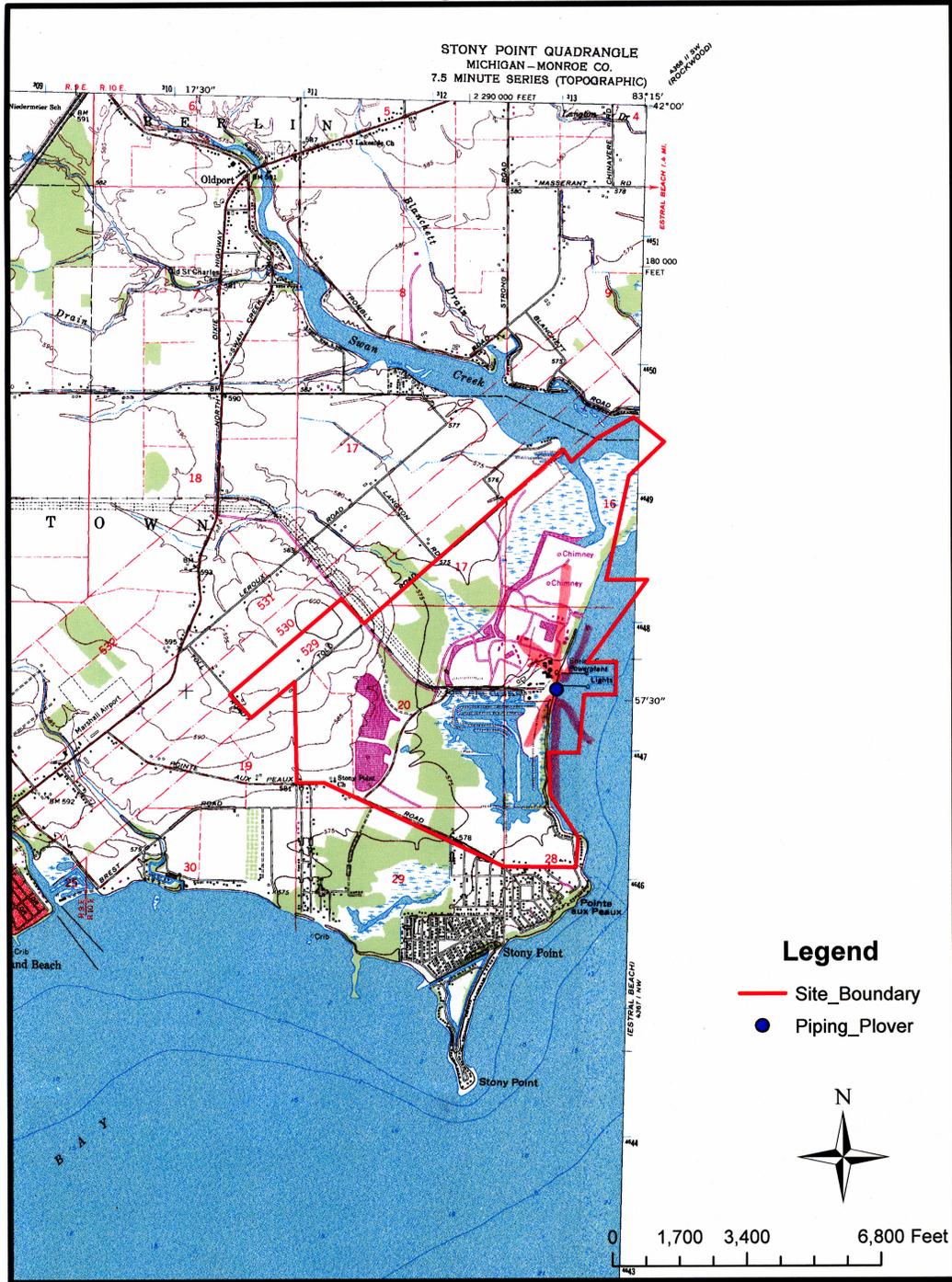
**MANAGEMENT, MONITORING AND RESEARCH NEEDS** for this occurrence (e.g. burn periodically, open the canopy, ensure water quality, control exotics, keep out the ATVs, study effects of browsing)

**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

# Piping Plover



SPECIAL ANIMAL SURVEY FORM



**SURVEYOR INFORMATION**

Survey date: <u>2009-20-04</u>	Time from: <u>9:06</u> to: <u>9:35</u> (am or pm (circle))	Sourcecode: F _____ M I U S
Surveyors (principal surveyor first, include first & last name): <u>ED SHADROCK AND LAURA MCNEIL</u>		
Weather conditions: <u>COOL, FOGGY/DRIZZLE, LIGHT BREEZE</u>		
Revisit to this EO needed? <input type="checkbox"/> yes <input type="checkbox"/> no Why?: _____		

**ELEMENT INFORMATION**

Scientific name: <u>FALCO BERGARMUS</u>	Data sensitive? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	EOID: _____	Occ.# (if known): _____
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**FILING**

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

**LOCATIONAL INFORMATION**

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

**DIRECTIONS:** Provide detailed directions to the observation (rather than the survey site). Include landmarks, roads, towns, distances, compass directions.  
TAKE DOXY ROAD NORTH PAST SHOOTING RANGE TO BULLIT ROAD. BULLIT ROAD NORTH TO TERMINUS NEAR SWAN CREEK.

Township/Range/Section T6S R10E NW1/4 SECTION 16

County MONROE 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

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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).



