

Appendix F

Michigan Natural Features Inventory Survey Forms

	SPECIAL PLANT SURVEY FORM	
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SURVEYOR INFORMATION

Survey date: ____-____-____	Time from: ____ to: ____ am or pm (circle)	Sourcecode: F ____ M I U S
Surveyors (principal surveyor first, include first & last name): <u>RALPH BROOKS</u>		
Weather conditions: _____		
Revisit to this EO needed? <u>yes</u> <u>no</u> Why?: _____		
<small>EO refers to element occurrence i.e. the species this form is reporting on</small>		

ELEMENT INFORMATION

Scientific name: <u>NELUMBO LUTEA</u>	Data sensitive? <u>(Y)</u> 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? <u>Y</u> Landowner Name: <u>DETROIT EDISON COMPANY</u>	
Owner Type: <u>Utility</u>	
DIRECTIONS: Provide detailed directions to the observation (rather than the survey site). Include landmarks, roads, towns, distances, compass directions. <u>FERMI DRIVE EAST TO DOXY RD. INTERSECTION, FROM THERE PROCEED EAST TO "FINGERS" AND ENTER WETLAND SOUTH OF FERMOR DR.</u> <u>NORTH ON DOXY RD PAST EQUIPMENT ROW AND HYDROGEN FACILITY. LOTUS-EMERGENT WETLAND TO THE EAST OF DOXY RD, // NORTH ON DOXY TO EMERGENT WETLAND TO WEST</u>	
Township/Range/Section <u>T6S R0E SECTIONS 16, 20, W 1/2 SECTION 21</u>	
County: <u>MONROE</u>	Managed area name: _____
Was GPS used? <u>N</u> Type of unit: _____	
Waypoint name/#: _____	
File name: _____	
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 <u>X</u> Multi-Source EO _____ Conceptual Feature Type: Point _____ Line _____ Polygon <u>X</u>	
TOPOGRAPHIC MAP (mandatory) 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 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. b. When the observed area is larger than a pen point on the map, (e.g., a population of plants, foraging birds): (1) Draw a thin solid boundary line showing the extent of the observed area 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 precisely on the edge 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.	
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? <u>(Y)</u> 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)? <u>Y</u> 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).	

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CONDITION (continued)

HABITAT DESCRIPTION: Describe the specific habitat or micro habitat where this plant 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.

MIX OF OPEN WATER / EMERGENT WETLAND INSIDE OF BORDERING COMMON REED (PHRAGMITES AUSTRALIS)
IN COASTAL WETLANDS ASSOCIATED WITH NUCLEAR POWER PLANT SITE, AQUATIC HABITATS INFLUENCED
BY LAKE ERIE WATER LEVELS.

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

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. NO INTERACTION KNOWN; SEPARATION OF
WATER LEVELS (PHRAGMITES)

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

TOPOGRAPHY Elevation: _____ ft. If elevation is a range: Minimum: _____ ft. Maximum: _____ ft.	Aspect: <input type="checkbox"/> N <input type="checkbox"/> NE <input type="checkbox"/> E <input type="checkbox"/> NW <input type="checkbox"/> S <input type="checkbox"/> SE <input type="checkbox"/> W <input type="checkbox"/> SW	Slope: <input type="checkbox"/> flat <input type="checkbox"/> 0-10 <input type="checkbox"/> 10-35 <input type="checkbox"/> 35+ <input type="checkbox"/> vertical	Light: <input type="checkbox"/> open <input type="checkbox"/> partial <input type="checkbox"/> filtered <input type="checkbox"/> shade	Position: <input type="checkbox"/> crest <input type="checkbox"/> upper slope <input type="checkbox"/> mid slope <input type="checkbox"/> lower slope <input type="checkbox"/> bottom	Moisture: <input type="checkbox"/> inundated <input type="checkbox"/> saturated (wet-mesic) <input type="checkbox"/> moist (mesic) <input type="checkbox"/> dry-mesic <input type="checkbox"/> dry (xeric)
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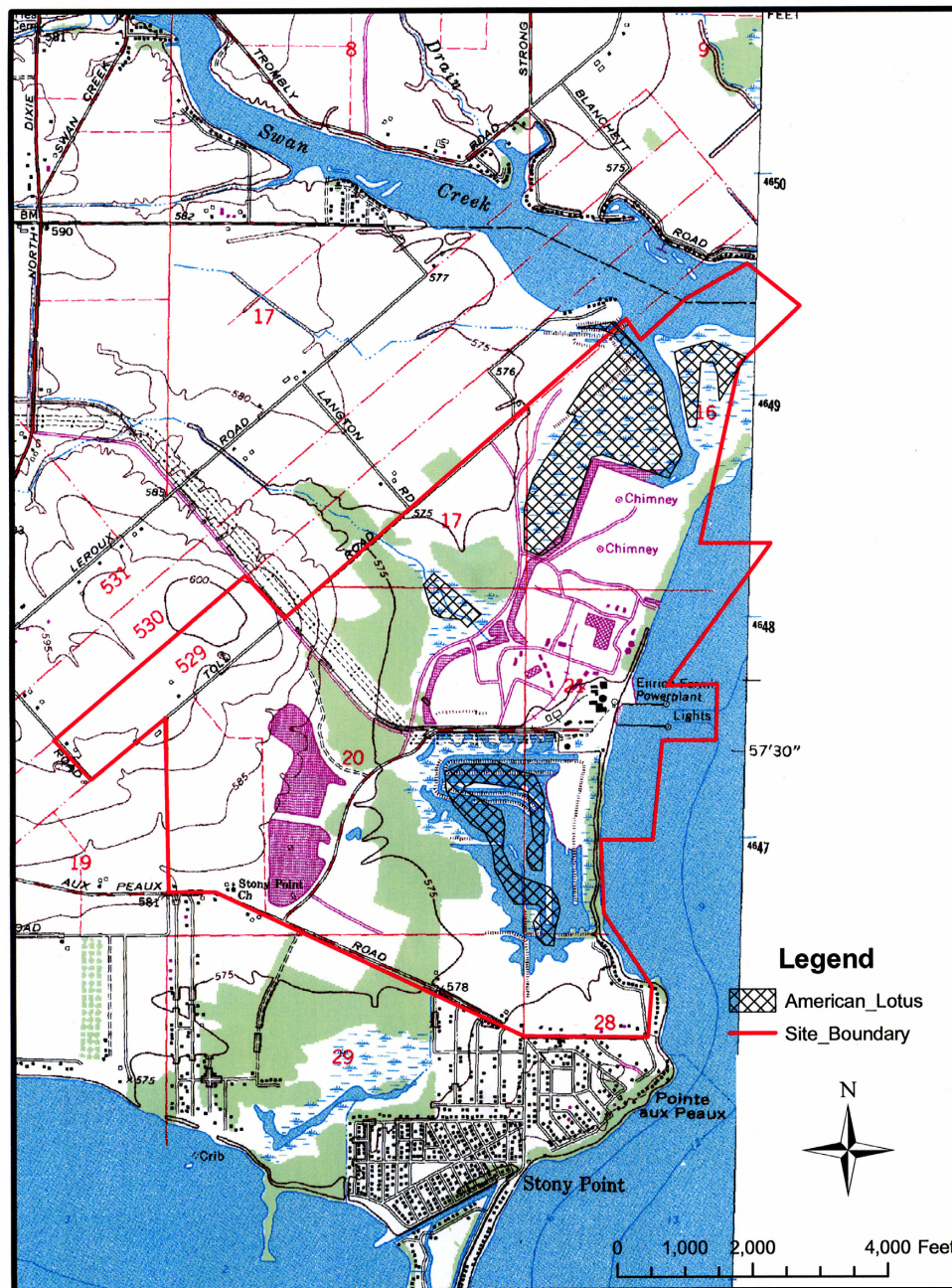
MANAGEMENT AND PROTECTION

MANAGEMENT, MONITORING AND RESEARCH NEEDS for this occurrence (e.g. burn periodically, open the canopy, ensure water quality, control exotics, keep out the ATV's, 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.
P:\nfi\field forms\special_plant_form.doc
Rev. 10/2003

American Lotus





A. North Lagoon



B. North Lagoon west of Cooling Towers



C. South Lagoon looking from
dredge spoil area to w/sw