

**Appendix A
NRC3-09-0012**

List of RAI Responses Contained in this Letter

List of RAI Responses Contained in this Letter

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**Appendix B
NRC3-09-0012**

List of Future RAI Response Dates

List of Future RAI Response Dates

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8/31/2009	AE5.2.2-1	Aquatic Ecology
	AL9.3-1	Alternative Sites
	AQ2.7-5	Air Quality and Meteorology
	AQ3.6.3-1	Air Quality and Meteorology
	CR4.1.3-3	Cultural Resources
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9/30/2009	AC7.1-1	Accidents
	AC7.2-1	Accidents
	AC7.2-2	Accidents
	AQ2.7-2 (moved from July)	Air Quality and Meteorology
	AQ2.7-4	Air Quality and Meteorology
	CR4.1.3-7	Cultural Resources
	FC5.7-2	Fuel Cycle
	HH5.4.1-3	Human Health
	HY2.3.1-15	Hydrology
	HY2.3.1-8	Hydrology
	HY4.2.1-7	Hydrology
	HY4.2.1-8	Hydrology
	NO3.7-1	Noise
	NO4.4.1-1	Noise
	NO5.8.1-1	Noise
10/30/2009	TR7.4-1	Transportation
	GE2.2-1	General
	AE4.3.2-1	Aquatic Ecology
	AQ2.7-3	Air Quality and Meteorology
	AQ4.4.1-1	Air Quality and Meteorology
	AQ5.8.1-1	Air Quality and Meteorology
	AQ6.4-1	Air Quality and Meteorology
	BC10.4.2-2	Benefit-Cost Balance
	CR2.5.3-1	Cultural Resources
	FC5.7-1	Fuel Cycle

Response Date	RAI Question	Subject
11/23/2009	HH4.5-2	Human Health
	HH4.5-3	Human Health
	HH5.11.7-1	Human Health
	HH5.4.3-3	Human Health
	HH5.4.4-1	Human Health
	HY5.11-1	Hydrology
	HY5.3.2-2	Hydrology
	LU4.4.2-1	Land Use
	NO4.4.1-2	Noise
	SE4.4.2-10	Socioeconomics
	SE4.4.2-6	Socioeconomics
	TE4.3.1-6	Terrestrial Ecology
	TR3.8-1	Transportation
	TR3.8-2	Transportation
	TR3.8-3	Transportation
	TR3.8-4	Transportation
	TR3.8-5	Transportation
	TR4.8.3-2	Transportation
	GE1.2-1	General
	GE1.2-2	General
	AC7.3-1	Accidents
	AQ2.7-1	Air Quality and Meteorology
	AQ3.6.3-2	Air Quality and Meteorology
	AQ5.3.3.1-1	Air Quality and Meteorology
	HH4.5-1	Human Health
	HH4.5-4	Human Health
	HH5.4.2-2	Human Health
	HH5.4.3-1	Human Health
	HH5.4.3-2	Human Health
	HY4.2.1-10	Hydrology
	HY4.2.1-3	Hydrology
	HY5.2-1	Hydrology
	LU4.1.1-1 (moved from July)	Land Use
	SE2.5.2-1	Socioeconomics
	SE4.4.2-7	Socioeconomics

Response Date	RAI Question	Subject
12/30/2009	SE4.4.2-8	Socioeconomics
	TE2.4.1-10	Terrestrial Ecology
	TE4.3.1-5	Terrestrial Ecology
	GE1.2-3	General
	GE3.1-1	General
	GE4-1	General
	AE2.4.2-2 (partial response provided)	Aquatic Ecology
	AE2.4.2-3	Aquatic Ecology
	AE2.4.2-4 (partial response provided)	Aquatic Ecology
	CR4.1.3-4	Cultural Resources
	HY2.3.1-1	Hydrology
	HY2.3.1-2 (partial response provided)	Hydrology
	HY2.3.1-3	Hydrology
	HY2.3.1-4	Hydrology
	HY2.3.1-7	Hydrology
	HY4.2.1-1	Hydrology
	HY4.2.1-11	Hydrology
	HY4.2.1-2	Hydrology
	HY4.2.1-4	Hydrology
	HY4.2.1-5	Hydrology
	HY4.2.1-6	Hydrology
	LU1.2-1b	Land Use
	SE2.5.2-2	Socioeconomics
	TE2.4.1-2 (partial response provided)	Terrestrial Ecology
	TE2.4.1-9	Terrestrial Ecology
	TE2.4.1-11 (partial response provided)	Terrestrial Ecology
	TE4.3.1-1	Terrestrial Ecology
	TE4.3.1-2	Terrestrial Ecology
	TE4.3.1-4	Terrestrial Ecology
	TR4.8.3-1	Transportation
12/30/2009	USACE-1	U.S. Army Corps of Engineers RAI
	USACE-2	U.S. Army Corps of Engineers RAI

**Attachment 1
NRC3-09-0012**

Response to RAI letter related to Fermi 3 ER

RAI Question GE1.1-1

NRC RAI GE1.1-1

Provide a revised and more detailed (though still concise) Purpose and Need statement, clearly specifying the project purpose and identifying and justifying the need for the project.

Supporting Information

The Purpose and Need statement should establish and justify a clear need for a specified quantity of electricity (in Megawatts, baseload or otherwise) with a specified service area and timeframe. This type of discussion would establish a clear need for additional electricity from the outset and a project purpose to fully or partially fulfill that need, and would form the strong basis needed for the identification and analysis of alternatives to meet the purpose and need.

Section 1.1 of the Environmental Report (ER) provides the following statement of purpose for the proposed action: "The purpose of the proposed new nuclear power plant is to generate electricity for sale." Chapter 8 of the ER provides a discussion of the need for power. However, although the statement in Section 1.1 specifies a "purpose," it neither adequately nor fully expresses the purpose nor does it establish the "need" in ER Chapter 1 (in addition to addressing the need later in ER under Need for Power).

10 CFR 51 Subpart A, Appendix A (4) states: "The [purpose and need] statement will briefly describe and specify the need for the proposed action."

Guidance in Reg. Guide 4.2, Chapter 1 (first paragraph) states, "In Chapter 1 of its environmental report, the applicant should demonstrate the purpose of, and thus the benefits of, the proposed facility with respect to the power requirements to be satisfied, the system reliability to be achieved, or any other primary objectives of the facility and how these objectives would be affected by variations in the scheduled operation of the proposed station."

The CEQ regulations state, in 40 CFR 1502.13 Purpose and need, "The statement shall briefly specify the underlying purpose and need to which the agency is responding in proposing the alternatives including the proposed action."

Furthermore, since the U.S. Army Corps of Engineers (the "Corps") is a cooperating agency for the Fermi 3 Environmental Impact Statement (EIS), a Purpose and Need Statement is required to also meet the Corps' requirements under the Clean Water Act, Section 404(b)(1), and the associated Corps Guidelines. This is needed to support the alternatives analysis to be evaluated as part of the Corps' Section 404 review process. The Corps requires that the applicant provide the Purpose and Need Statement for its project.

Purpose and need should be viewed as two parts of a whole:

- 1. There is a problem that needs to be addressed (project purpose); and*
- 2. Need is the evidence that the problem actually exists.*

Thus, the project need must be a part of purpose and need statements. For the NRC, this would mean that the need for power analysis would be briefly summarized and included as part of the purpose and need statement in ER Chapter 1. Also, the purpose and need statement should be written so as not to focus on a particular alternative, but instead to allow for the identification of more than one possible alternative to potentially meet the "need."

Response

Purpose

The purpose of the project is fourfold:

1. Generate electricity for sale that will reliably aid in satisfying the forecasted energy and capacity needs of Detroit Edison customers;
2. Provide new baseload electric generation capacity to compensate for the expected retirement of existing, aging baseload generating units;
3. Provide price stability by minimizing reliance on imported power into the Detroit Edison service territory; and
4. Utilize an electric generation technology that is less subject to price fluctuations resulting from either fuel or regulatory drivers, provides fuel diversity, and reduces reliance on fossil fuel and their attendant environmental impacts.

The above purpose is in-line with Detroit Edison's mission to provide reliable and affordable electrical power.

Need

Construction of a new electric generating facility is needed to provide reliable, affordable power to address Michigan's expected future peak electric demand.

Chapter 8 of the Environmental Report provides detailed discussion outlining the need for power and the related benefits to be generated by the proposed facility. The need for power was assessed by balancing the current and forecasted demand against the current and forecasted supply, while demonstrating that an adequate reserve margin is maintained. Reference Chapter 8 and 9 for a complete description of:

- Section 8.1 – Description of the power system, an overview of the pertinent service area, and a discussion of regional relationships;
- Section 8.2 – Description of the analysis performed to determine current and forecasted energy needs in the State of Michigan;
- Section 8.3 – Description of the analysis performed to determine energy supply resources;
- Section 8.4 – Description of the assessment of the need for power; and
- Section 9.1 – Description of the no-action alternative.

The need for power assessment is derived from the Michigan 21st Century Electric Energy Plan (Plan). The Plan was prepared and issued by the Michigan Public Service Commission pursuant to Executive Directive No. 2006-02. The Plan reached several significant conclusions including:

- Michigan's peak electric demand is forecasted to grow at approximately 1.2 percent per year for the next 20 years;
- There is a need for additional electric generating resources in order to preserve electric reliability and provide affordable energy over the next 20 years. This modeling outcome is confirmed even in the presence of increased use of energy efficiency and renewable resources;
- The projected electric demand will not be satisfied through the expansion of transmission nor access to external markets; and
- There is need for regulated baseload capacity to prevent natural gas prices from driving up wholesale costs and market prices for an increasing number of hours each year.

The above conclusions were based upon key factors such as the current age of baseload units and newer electric generating units' reliance on natural gas. As indicated above, the Plan concluded that the State of Michigan has a current need for new baseload capacity and the need is projected to increase. Michigan's current baseload generating units are an average of more than 48 years old. The average age of Detroit Edison's coal-fired generation units is 44 years old. The last new baseload plant in the State of Michigan began commercial operation more than 18 years ago. The assessment assumes that older, less efficient units, totaling 3755 MW of capacity, will be retired by 2025.

Further, new baseload electric production is needed due to the fact that recently constructed electric generation units in Michigan have been limited to natural gas-fired facilities. Natural gas-fired units currently represent approximately 29 percent of the Michigan's generating capacity. Dependence upon natural gas-fired units has exposed Michigan to volatile electricity prices driven by fluctuating fuel market prices.

**Attachment 2
NRC3-09-0012**

Response to RAI letter related to Fermi 3 ER

RAI Question GE2-1

NRC RAI GE2-1

Provide copies of handouts used during the Fermi 3 general site audit tour.

Supporting Information

These handouts contain information not available elsewhere. The handouts are needed for the impact analysis and for citation in the EIS.

Response

During the environmental audit held February 2 through February 6, 2009 a general site tour was conducted and handouts were provided to help describe the site and orient the participants. A copy of the handout used to support this tour has been provided. Note that the handout identifies point 3 on the map as "Cooling Tower Location" and point 4 on the map as "Proposed Cooling Tower Location"; the location indicated by point 4 now reflects the cooling tower's location in the revised configuration.

**NRC3-09-0012
RAI Question GE2-1**

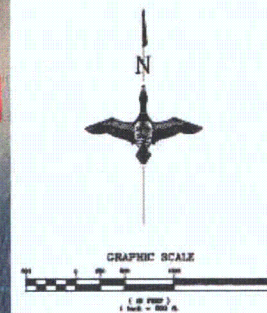
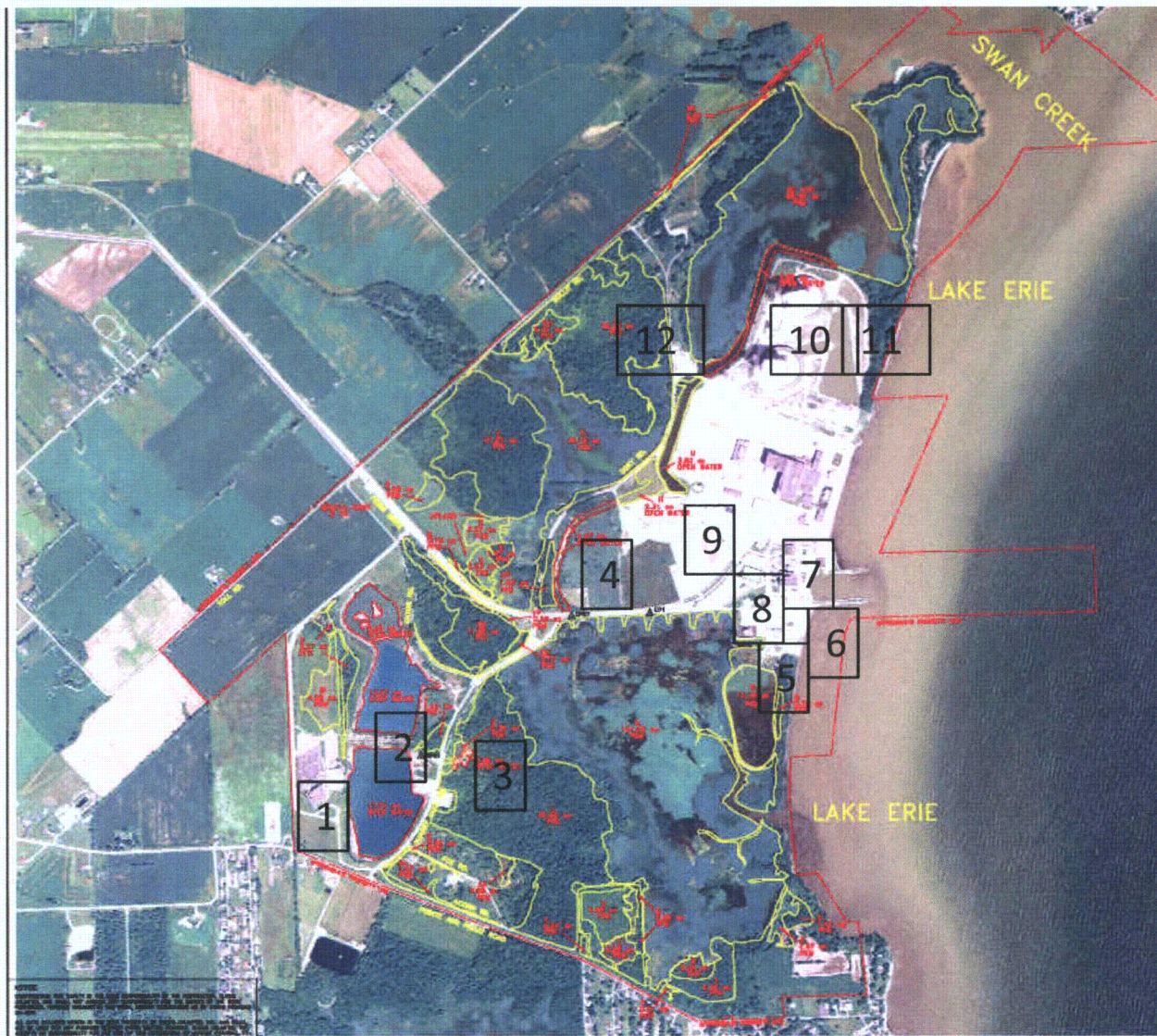
Enclosure 1

**Fermi 3 General Site Audit Handouts
(following 2 pages)**










Fermi General Site Tour

1. Training Center and Proposed Administrative Campus
2. Quarry Lakes
3. Cooling Tower Location
4. Proposed Cooling Tower Location
5. South Eagle-Nesting Area
6. Lake Erie
7. Water Intake, Discharge, and Barge Slip
8. Fermi 1 and Fermi 2
9. Future Fermi 3 Location
10. Fermi 2 Cooling Towers
11. North Eagle Nesting Area
12. Warehousing, Parking, and Proposed New Areas

Fermi General Site Tour



LEGEND

-  PALESTINE SOUS SÈCHE WETLAND
 PALESTINE EMERGENT WETLAND
 PALESTINE FORESTED WETLAND
 APPROXIMATE PROPERTY LINE
 OPEN WATER (FLAGGED)
 OPEN WATER (NOT FLAGGED)
 WETLAND BOUNDARY
 DATA POINT
 HORIZONTAL & VERTICAL CONTROL

HORIZONTAL CONTROL -- Coordinates are WGS 83 (EPSG: 1983)
Michigan State Plane Coordinates, South Zone g 215, units
International Feet. Coordinates calculated from NGS GPS/USC (second
order) State Plane datum. Positioning User Service) satellite
positioning. Horizontal accuracy collected on 5 June or June 4, 2008 using
a Trimble 5700 GPS base station. GPS solution for control point
61, North 179255.000 191,
East 15423948.569 191.

INSTEAD CONTROL HORIZONTAL

Geopline Point # 1 - Found concrete rebar/vent with brass cap on south side of Farm Drive near sign.

D. 13423438.587 (h)

Concrete Pad # 82 -Found concrete monument with brass cap on south side of Farm Drive, 1.0 feet south of edge of pavement, elevations 71.5108 +43, E 3603, N 760 +43.

N. 109150.477 m.
E. 13421500.221 m.

Control Point # 81 - Found yellow capped iron rod #52252, 10' in
marked "81 011"
W. 10.000.000 ft.

13420648 2006 10

U.S. Fish & Wildlife Conservation
ATLANTIC REGIONAL OFFICE
(754) 623-2000

Good Leader in Wildlife & Wetlands
GREAT LAKES/ATLANTIC
ANN ARBOR, MICHIGAN
DUCKS UNLIMITED

OVERALL WETLAND DELINEATION
DATE FERM II PLANT
MONROE COUNTY, MICHIGAN

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0000-0000

David H. Gustafson

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

800-762-2864

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1/3/88

PROJECT NO.
DATE - 05 - 1994

1998-1999

**Attachment 3
NRC3-09-0012**

Response to RAI letter related to Fermi 3 ER

RAI Question GE2-2

NRC RAI GE2-2

Provide electronic versions of all Environmental Report Rev. 0, September 2008 (the "ER") figures in .jpeg, .png, or .tif format at a resolution of at least 300 dpi.

Supporting Information

Electronic versions of the figures used in the ER at sufficiently high resolution would facilitate production of the EIS and prevent the need for redrafting figures.

Response

Electronic versions of all Environmental Report Rev. 0 figures in .tif format at a resolution of at least 300 dpi were provided in a Detroit Edison letter to the NRC (NRC3-09-0019).

**Attachment 4
NRC3-09-0012**

Response to RAI letter related to Fermi 3 ER

RAI Question AE2.4.2-1

NRC RAI AE2.4.2-1

Provide copies of correspondence with Federal and State agencies (U.S. Fish and Wildlife Service [USFWS], Michigan Department of Natural Resources [DNR], Ohio DNR, Canadian agencies, etc.) regarding potential impacts to aquatic species and monitoring studies for Fermi 3.

Supporting Information

Discussions with agencies regarding Fermi 3 and threatened and endangered species were mentioned in the text of the ER (Sections 2.4.1.2.1 and 2.4.1.2.2, for example), but references were not provided. At the site audit, it was mentioned that written records of discussions with these agencies existed, but are not publically available. This correspondence is needed for the impact analysis to be presented in the EIS.

Response

A list of discussions addressing threatened and endangered aquatic species is available for review by NRC staff and their contractors at several Detroit Edison locations. These discussions include those with staff at universities who are knowledgeable on the subject of aquatic ecology.

**Attachment 5
NRC3-09-0012**

Response to RAI letter related to Fermi 3 ER

RAI Question AQ3.6.3-3

NRC RAI AQ3.6.3-3

Provide a copy of the figure used during the air quality/meteorology tour (titled "DTE Fermi Site") that included locations of existing and proposed air emission sources.

Supporting Information

During the air quality/meteorology tour at the site audit, Detroit Edison handed out the scaled map titled "DTE Fermi Site," showing locations of existing and proposed emission sources. This information is not available elsewhere and is needed for air quality and noise impact analyses to be presented in the EIS.

Response

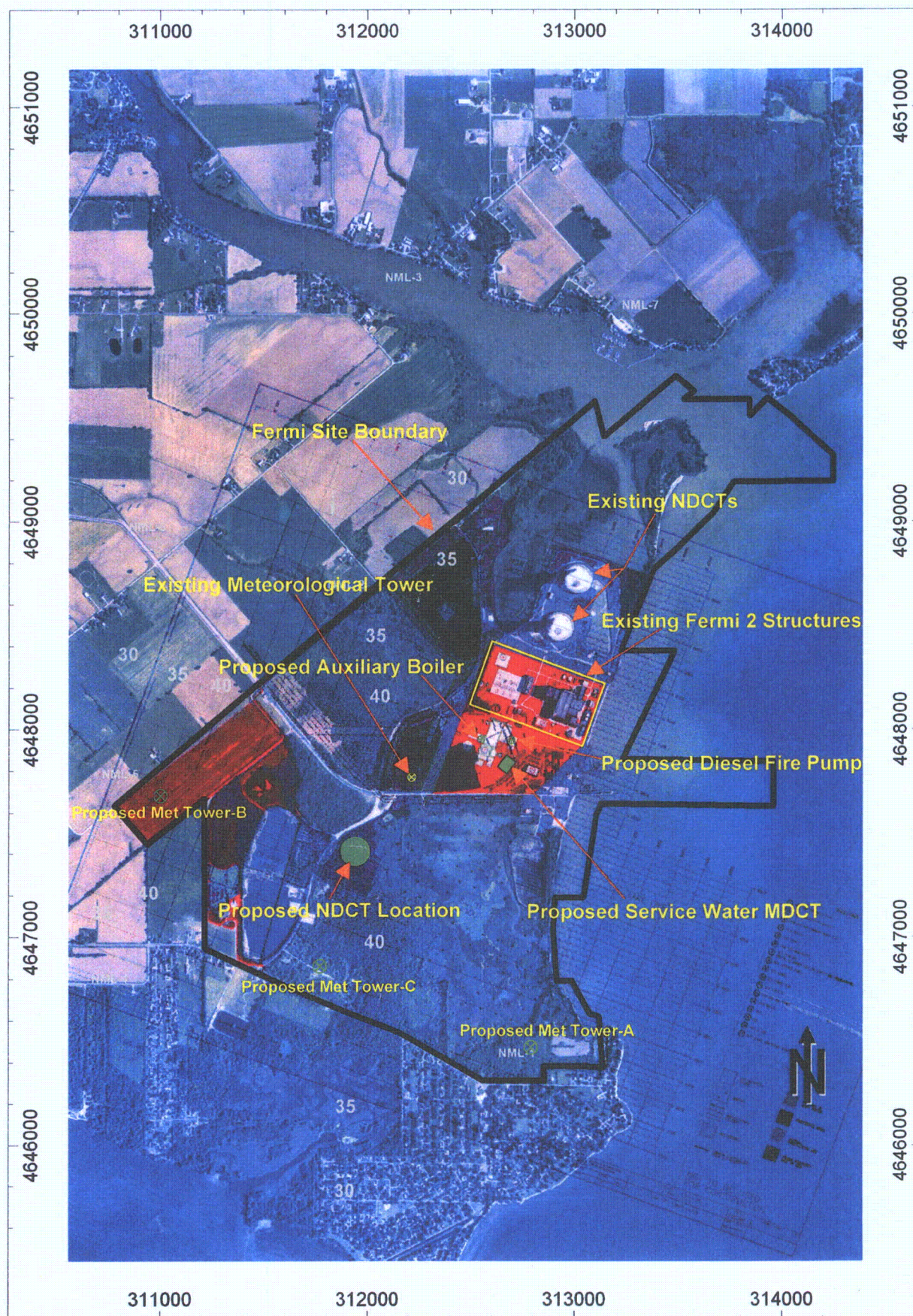
A figure titled "DTE Fermi Site" was utilized during the environmental audit held February 2 through February 6, 2009 to show the approximate locations of the existing and proposed emissions sources for the Fermi site as they were known at the time of the audit. A copy of this figure has been provided in this transmittal.

Since the audit, relevant changes to air emissions sources have been made which this figure does not reflect: the natural draft cooling tower has been relocated, and two ancillary diesel powered generators have been added to the plant configuration.

**NRC3-09-0012
RAI Question AQ3.6.3-3**

Enclosure 1

**Figure – DTE Fermi Site
(following 1 page)**



** Coordinates are displayed in UTM NAD 83

DTE Fermi Site

Attachment 6
NRC3-09-0012

Response to RAI letter related to Fermi 3 ER

RAI Question BC10.4.2-1

NRC RAI BC10.4.2-1

Provide an updated and citable source of monetized benefits and costs.

Supporting Information

All monetized benefits and costs in the ER are presented in 2006 dollars. With the exception of operating costs, no source document is provided in this section.

Response

The information on the monetized benefits as described in Environment Report (ER) Section 10.4.1.1 is source referenced from ER Section 4.4.2 and ER Section 5.8.2. In ER Section 4.4.2, publicly available data from the Department of Energy publication *Nuclear Plant Construction Infrastructure Assessment* was used to approximately estimate the total wages to be paid. In addition, the U.S. Department of Labor website, "May 2007 State Occupational Employment and Wage Estimates—Michigan," was used to derive the total direct construction wages for the Fermi 3 project. In ER Section 5.8.2, the average direct salary for the Fermi 3 operational and workforce staff was based on wage data from the U.S Bureau of Labor Statistics.

Construction Cost information can be found in Part I of the COLA. The information provided is based a number of studies that have been conducted by government agencies, universities, and other entities and includes a significant contingency to account for uncertainty.

A discussion of decommissioning funds can be found in Attachment C of Part I of the COLA. The decommissioning funding plan was developed pursuant to the methodology set out in 10 CFR 50.75(c).

**Attachment 7
NRC3-09-0012**

Response to RAI letter related to Fermi 3 ER

RAI Question CR4.1.3-1

NRC RAI CR4.1.3-1

Provide copies of all past, present, and future correspondence and documentation of discussions between the applicant, or its consultants, and the State Historic Preservation Office (SHPO), regarding cultural resources and/or historic properties in the direct and/or indirect areas of potential effect (APEs) for Fermi 3, and Fermi 1 and 2 as they relate to Fermi 3.

Supporting information

Comments from the SHPO on the findings of the Phase I reports conducted for the project, including comments on National Register of Historic Places (NRHP)-eligibility of those cultural resources identified within the archaeological and architectural APEs for the project, were not available at the time that the ER was prepared. This information will be used to complete the NEPA analysis and to support compliance with Section 106. Note that personal correspondence can be provided in reading rooms.

Response

Copies of correspondence documentation that have been discussed between Detroit Edison, its consultants, and SHPO, regarding cultural resources and/or historic properties in the direct and/or indirect areas of potential effect (APEs) for Fermi 3, and Fermi 1 and 2 as they relate to Fermi 3 that are included with this response and are listed below.

- Letter from Donald J. Weir (CCRG) to Brian D. Conway (SHPO), “RE: Request for Project Consultation”, dated September 10, 2007
- Letter from Brian D. Conway (SHPO) to Donald J. Weir (CCRG), “RE: ER06-683 Enrico Fermi Atomic Power Plant – Potential New Facility, Monroe County (NRC)”, date November 07, 2007
- Letter from Donald J. Weir (CCRG) to Robert O. Christensen (SHPO), “RE: ER06-683 Enrico Fermi Atomic Power Plant Project Area Clarification”, date January 11, 2008
- Letter from Brian D. Conway (SHPO) to Donald J. Weir (CCRG), “RE: ER06-683 Enrico Fermi Atomic Power Plant – Potential New Facility, Monroe County (NRC)”, date March 24, 2008
- Letter from Randall Westmoreland (DECo) to Brian D. Conway (SHPO), “RE: ER06-683 Enrico Fermi Atomic Power Plant – Proposed New Facility, Monroe County (NRC) Phase I Cultural Resources Evaluation”, date July 29, 2008
 - The “Phase 1 Cultural Resources Evaluation of the Fermi Atomic Power Plant Unit 3 (Fermi 3) Project, Frenchtown and Berlin Townships, Monroe County, Michigan”, identified in the above letter was provided in Detroit Edison’s response to RAI CR4.1.3-6.

- Letter from Peter Smith (DECo) to Brian D. Conway (SHPO), “RE: ER06-683, Enrico Fermi Atomic Power Plant-Proposed New Facility, Monroe County (NRC) Preliminary National Register of Historic Places Evaluation, Fermi 1; Maritime Site Sensitivity Study, date April 9, 2009
 - The “Preliminary National Register of Historic Places Evaluation, Fermi 1”, identified in the above letter will be provided in Detroit Edison’s response to RAI CR4.1.3-9.

Three additional documents will be available on or before August 7, 2009 for review by NRC staff and their contractors at several Detroit Edison locations.

Detroit Edison will provide all future correspondence and documentation of discussions between Detroit Edison, its consultants, and SHPO to the NRC up to the issuance of the draft EIS.

**NRC3-09-0012
RAI Question CR4.1.3-1**

Enclosure 1

Detroit Edison and SHPO Correspondence
(following 64 pages)

COMMONWEALTH



September 10, 2007
J-0584/R-0693

Mr. Brian Conway
State Historic Preservation Office
Michigan Historical Center
Department of History, Arts and Libraries
P.O. Box 30740
702 W. Kalamazoo St.
Lansing, MI 48909-8240

RE: Request for Project Consultation

Dear Mr. Conway:

Commonwealth Cultural Resources Group, Inc. (CCRG) was retained by Black & Veatch, Overland Park, Kansas, to undertake cultural resource investigations in support of a possible licensing submittal to the Nuclear Regulatory Commission (NRC) on behalf of Detroit Edison (DTE). Detroit Edison has not made a commitment to construct or locate a new nuclear power plant at the Enrico Fermi Nuclear Generating Station. DTE has only requested the performance of the necessary studies and investigations to support possible future decisions, including the potential submittal of a Combined Operating License Application to the NRC.

Based on the following information, CCRG is seeking comment from the Michigan State Historic Preservation Office (SHPO) on the potential effects on cultural resources by the proposed project for purposes of compliance with Section 106 of the National Historic Preservation Act, guidance within the NRC's NUREG-1555 Environmental Standard Review Plan for Historic Properties, and other federal legislation. It is the intention of the project team to complete a full Section 106 review for the project, following the advice and recommendations of the SHPO.

The potential site of a new facility is the existing Enrico Fermi Nuclear Generating Station site located in Monroe County, Michigan (Figure 1). The potential project site incorporates the existing power plant facility and land currently owned by DTE. If constructed, the new facility would be located within this project area. For archaeological resources, the project area is limited to within the footprint of the project site (Figure 2). Following the NRC's Environmental Standard Review Plan, the project area for the historic above-ground resources has been

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New York Office: 2495 Main Street Room 448 Buffalo, New York 14214 • (716) 831-9003/Fax (716) 831-9003

Wisconsin Office: P.O. Box 1061 Minocqua, Wisconsin 54548 • (715) 358-5686/Fax (715) 358-6656

www.ccrainc.com

Mr. Brian Conway
September 26, 2007
Page 2

determined to be 10 miles (mi) (16 kilometers [km]) beyond the location of the project site (Figure 3 and Appendix A).

A search of the Michigan Office of the State Archaeologist records revealed that there are four sites recorded within the archaeology Area of Potential Effects (APE) (see Figure 2), although none are recorded in the National Register of Historic Places (NRHP). These sites are enumerated in Table 1.

Table 1. Previously Documented Archaeological Sites within the Project APE

Site Number	Name	Location	Period	NRHP Status
20MR207	Holmquist M-33	NW SE Section 16 T6S/R9E	Prehistoric	More information needed
20MR702	Fermi II	S1/2 S/12 SE SW Section 16 and N1/2 N1/2 NE NW Section 21 T6S/R9E	Prehistoric	More information needed
20MR703	Gustafson	W1/2 NW NE Section 30 T6S/R10E	Archaic period	More information needed
20MR746	Webb	NE NW NW Section 18 T6S/R10E	Nineteenth Century	More information needed

In addition to the sites noted above, CCRG also identified a letter report regarding the project area prepared in 1972. This letter, written by James B. Griffin, Director of the University of Michigan, Museum of Anthropology, indicated that a visit was made to the site of the Enrico Fermi Atomic Power Plant Unit 2. As the result of this investigation, Griffin noted that the area had been altered and, "any Indian remains which might have been there have either been removed or covered up" (J. B. Griffin to Dr. S. A. Milstein, letter dated 25 May 1972, Office of the State Archaeologist, State Historic Preservation Office, Lansing, Michigan).

A preliminary investigation has revealed that there are no previously recorded above-ground historic properties within the footprint in which the proposed project will be constructed. There are 13 properties within a 10 mi (16 km) radius of the project location that have been previously recorded on the NRHP. Table 2 enumerates these resources and their locations. Also appended to this document is a series of topographic maps illustrating the entire 10 mi (16 km) APE and noting the location of each of the listed properties.

Mr. Brian Conway
 September 26, 2007
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Table 2. NRHP Listed Properties within the Project APE

Name	Address	City/Township/ County	Listed NRHP	ID Number/ Map Location
Custer, George Armstrong Equestrian Monument	SW corner of Elm and North Monroe (M-125) streets	Monroe/Monroe	12/9/1994	1/26
Detroit River Light Station	Lake Erie, 3.75 miles SE of Millerville Beach	Rockwood vicinity/Monroe	8/4/1983	2/19
East Elm – North Macomb Street Historic District	Roughly bounded by the River Raisin, Lorain, Monroe and Macomb Streets	Monroe/Monroe	5/6/1982	3/26
Jefferson Avenue Bridge	Jefferson Avenue over Huron River	Brownstown Township/Wayne	2/10/2000	4/12
Loranger, Edward, House	7211 S Stoney Creek Rd	Monroe vicinity/Monroe	5/31/1984	5/15
McClelland, Governor Robert House	47 E Elm St	Monroe/Monroe	9/3/1971	6/26
Navarre-Anderson Trading Post	West of Monroe at North Custer (M-130) and Raisinville Roads	Monroe/Monroe	7/31/1972	7/20
Nims, Rudolph House	206 W. Noble Ave	Monroe/Monroe	10/18/1972	8/26
Old Village Historic District	Roughly bounded by the River Raisin, Navarre, Wedsworth, LaPlaisance, Seventh, Washington, Monroe, and Third Sts.	Monroe/Monroe	5/6/1982	9/26
Saint Mary's Church Complex	Elm Ave and M-125 (N. Monroe Avenue)	Monroe/Monroe	5/6/1982	10/26
Sawyer House	320 E. Front St	Monroe/Monroe	11/23/1977	11/26
South Pointe Drive Bridge	Pointe Drive over Swan Island Canal	Grosse Ile/Wayne	3/15/2000	12/6
Weis Manufacturing Company	Union and Seventh Streets	Monroe/Monroe	10/26/1981	13/26

An additional nine properties have been determined eligible within this area, but not formally listed on the NRHP. Presented in Table 3 is a complete list of the identified, but not listed.

Mr. Brian Conway
September 26, 2007
Page 4

resources. These properties are also noted on the appended topographic maps, using alphabetical designations to distinguish them from those properties listed on the NRHP.

Table 3. Properties Determined Eligible for Listing on the NRHP within the Project APE

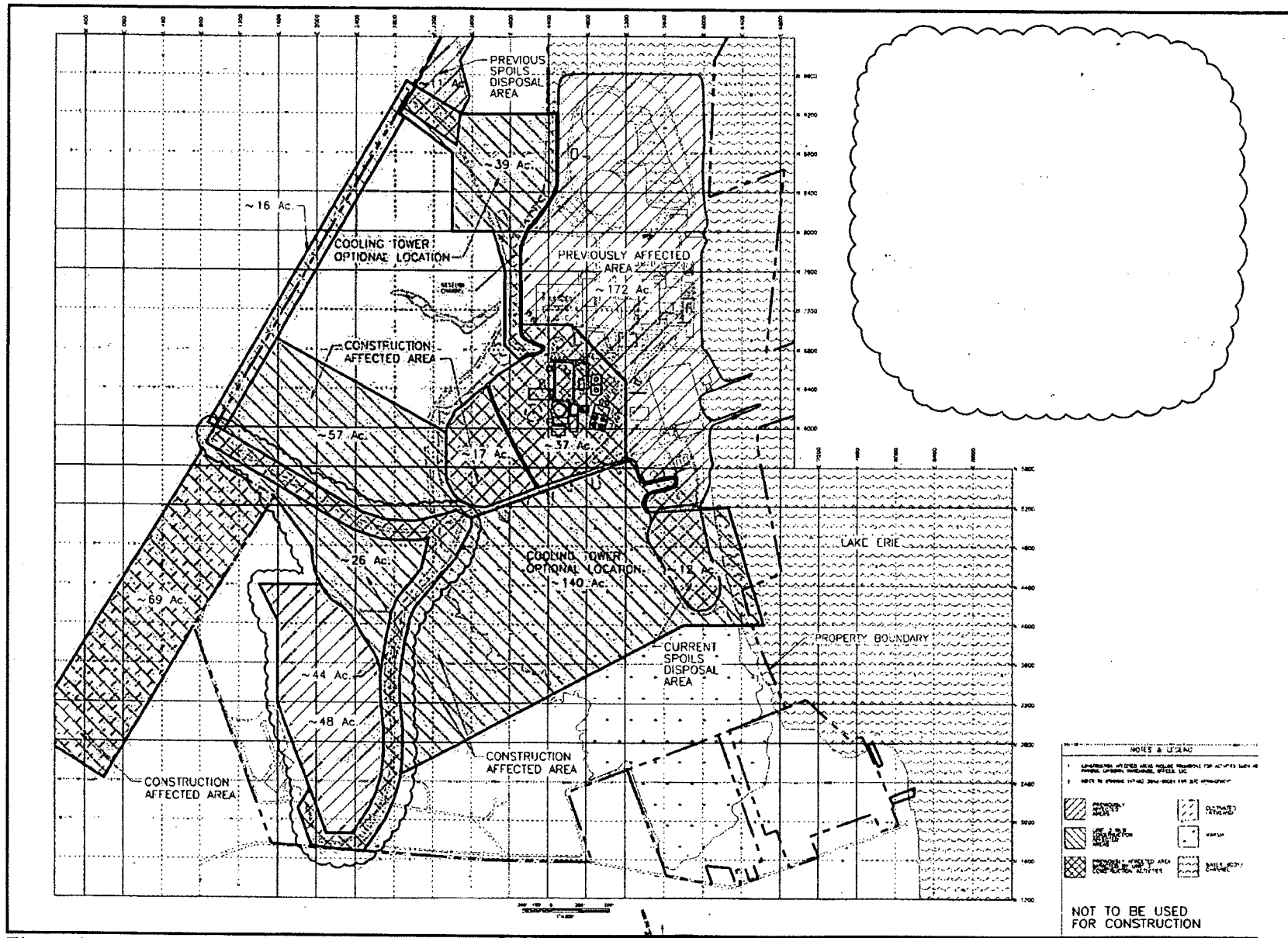
Name	Address	City/County	Date Determined Eligible	ID Number/Map Location
---	5046 Williams Road	Frenchtown Twp/Monroe	11/09/1995	A/23
2187 Hurd Road	2187 E Hurd Road	Frenchtown Twp/Monroe	11/18/1998	B/22
Gibraltar Road Bridge	Gibraltar Road over Waterway Canal	Gibraltar/Wayne	09/29/1995	C/5
Horse Island Drive Bridge	Over Horse Island Bayou	Gibraltar/Wayne	1992	D/5
Horse Island Drive Bridge	Over Adams Bayou	Gibraltar/Wayne	07/01/1992	E/5
Horse Island Drive Bridge	Over Adams Bayou	Gibraltar/Wayne	07/01/1992	F/5
Monroe Armory	15483 S Dixie Highway	Monroe/Monroe	11/07/2002	G/26
I-75 Bridge	Over Conrail and Raisin River	Monroe/Monroe	04/12/2004	H/27
St. Mary's Academy Historic District	610 W. Elm	Monroe/Monroe	1981	I/21 & 26

If you have any additional questions or comments on this project, please feel free to contact either me or Elaine Robinson at CCRG. The CCRG telephone number is 800-731-3550. Elaine Robinson's extension is 23 and mine is 12.

Sincerely,



Donald J. Weir, RPA
President



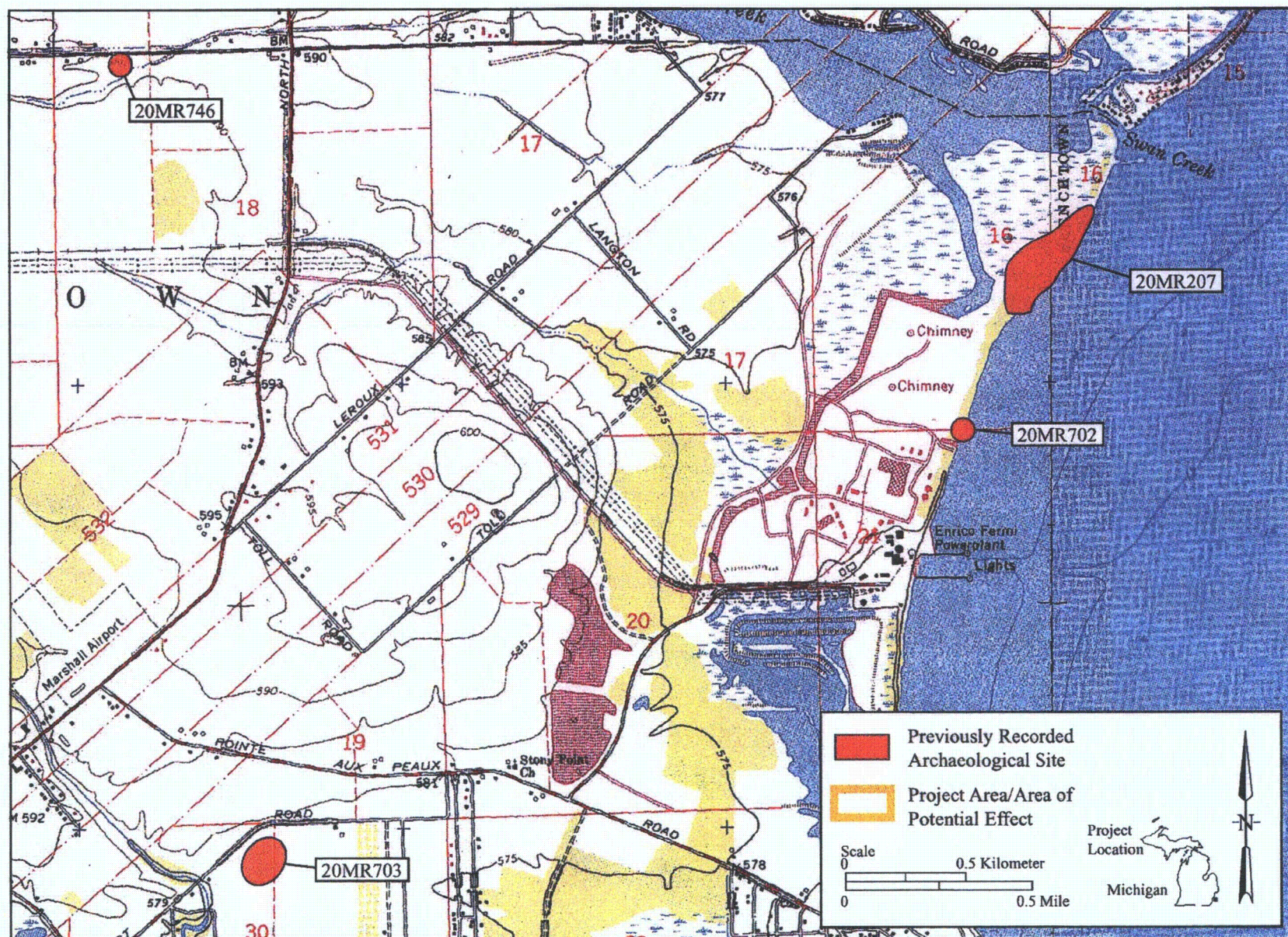


Figure 2. Archaeological Resources Project Area/Area of Potential Effect and Previously Recorded Archaeological Sites within One Mile

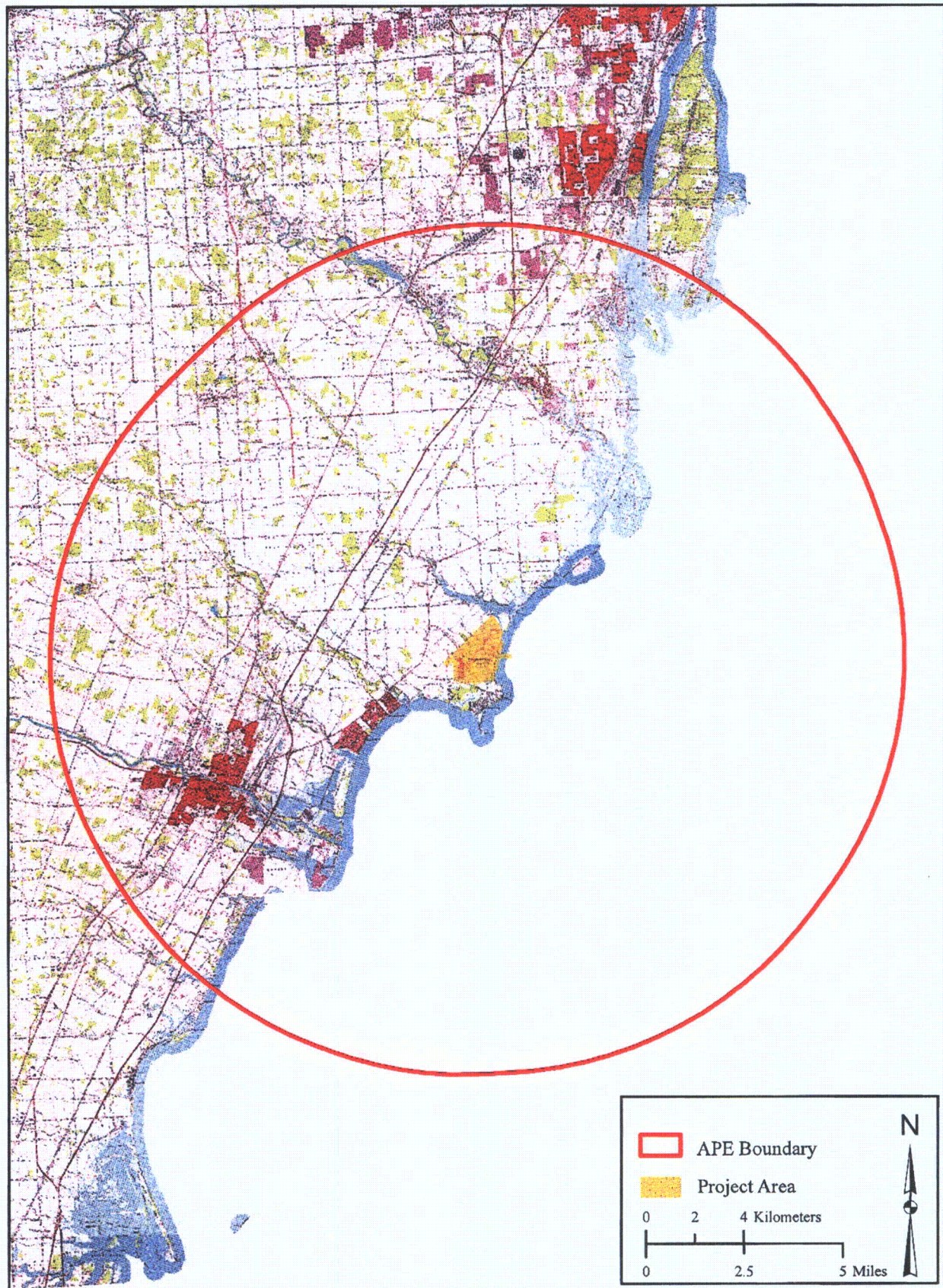
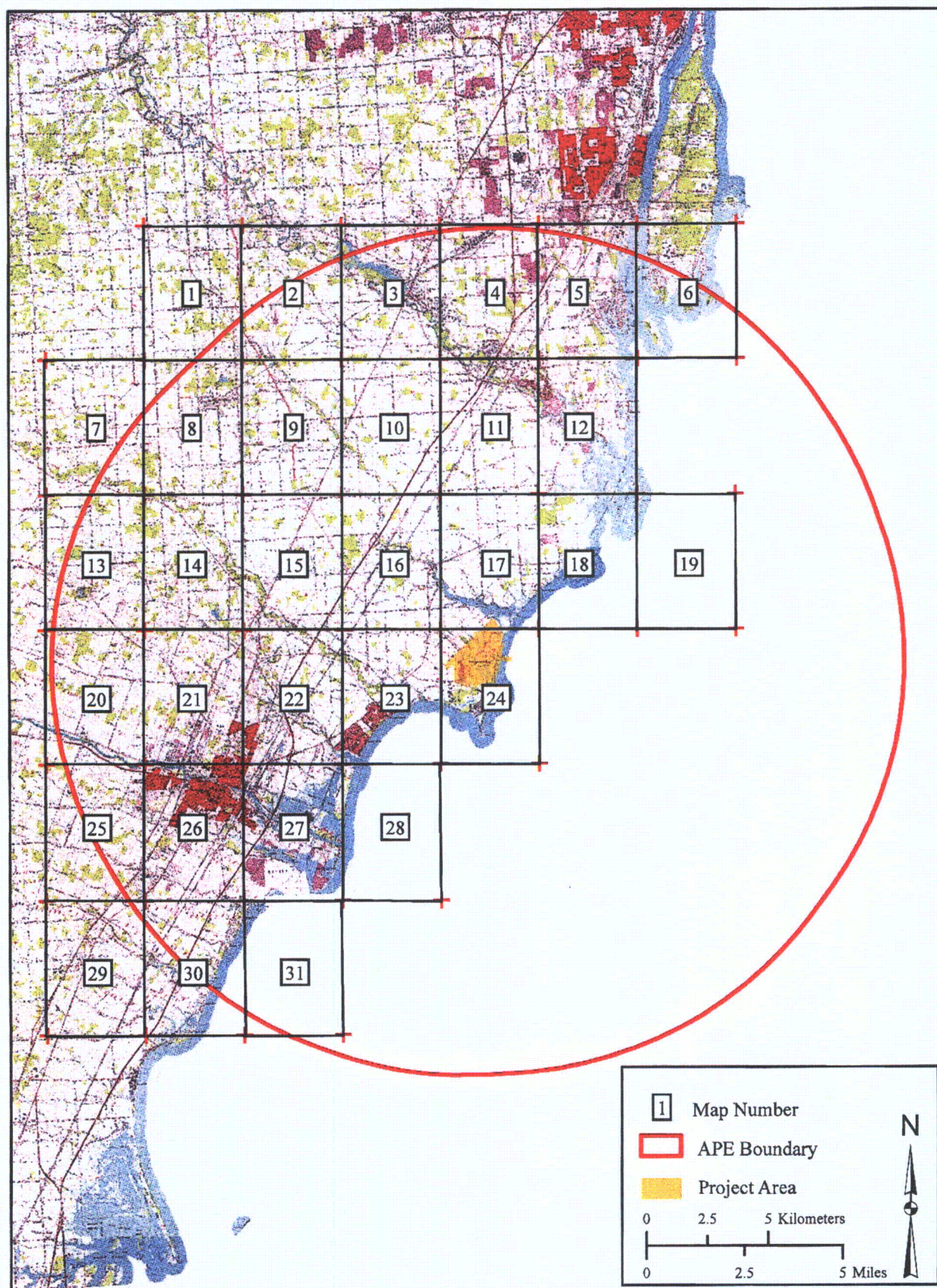


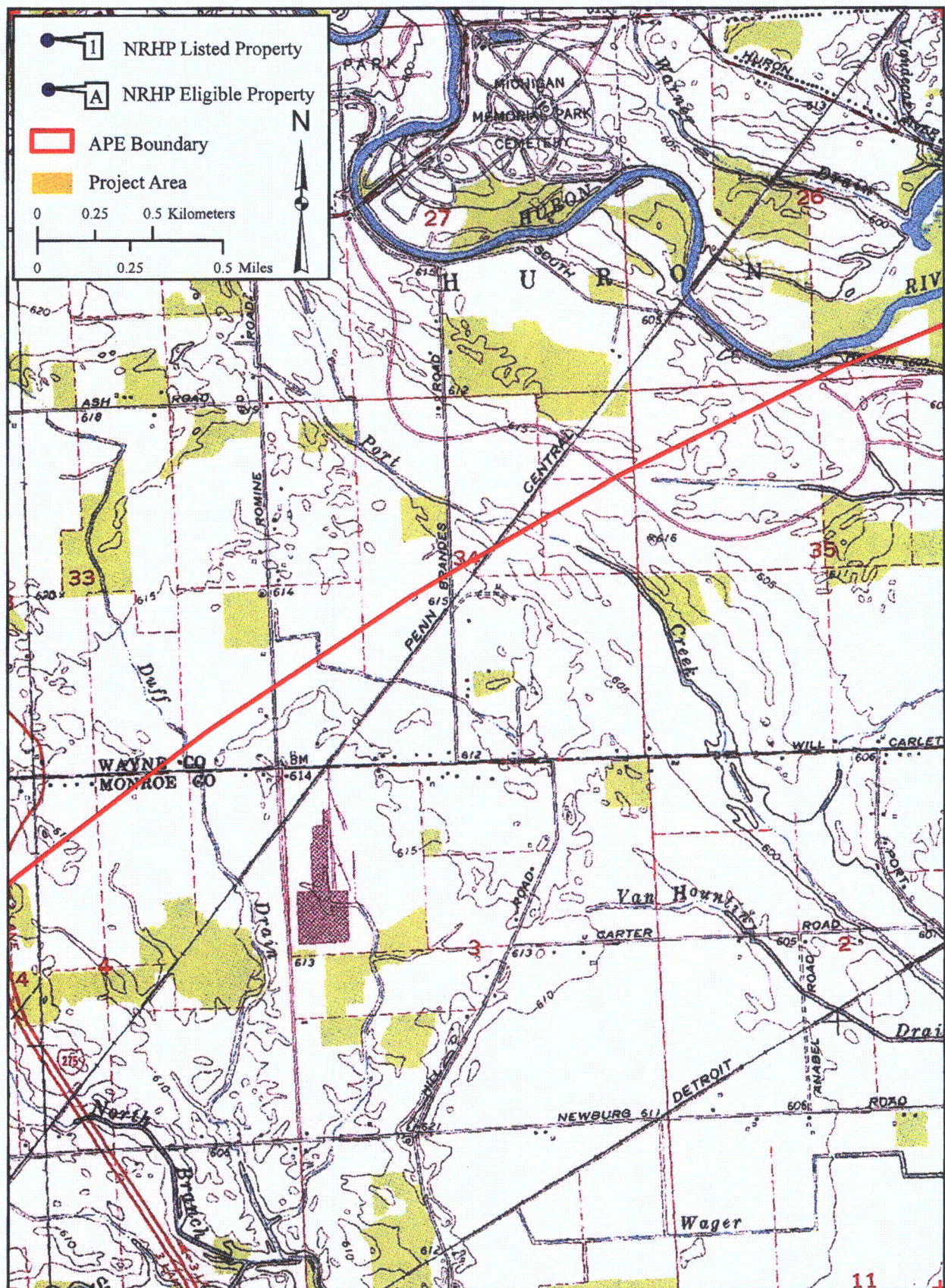
Figure 3. Above-Ground Resources Project Area and Area of Potential Effect

APENDIX A

**NRHP-LISTED AND NRHP-ELIGIBLE ABOVE-GROUND RESOURCES
WITHIN THE ABOVE-GROUND RESOURCES AREA OF POTENTIAL
EFFECT**



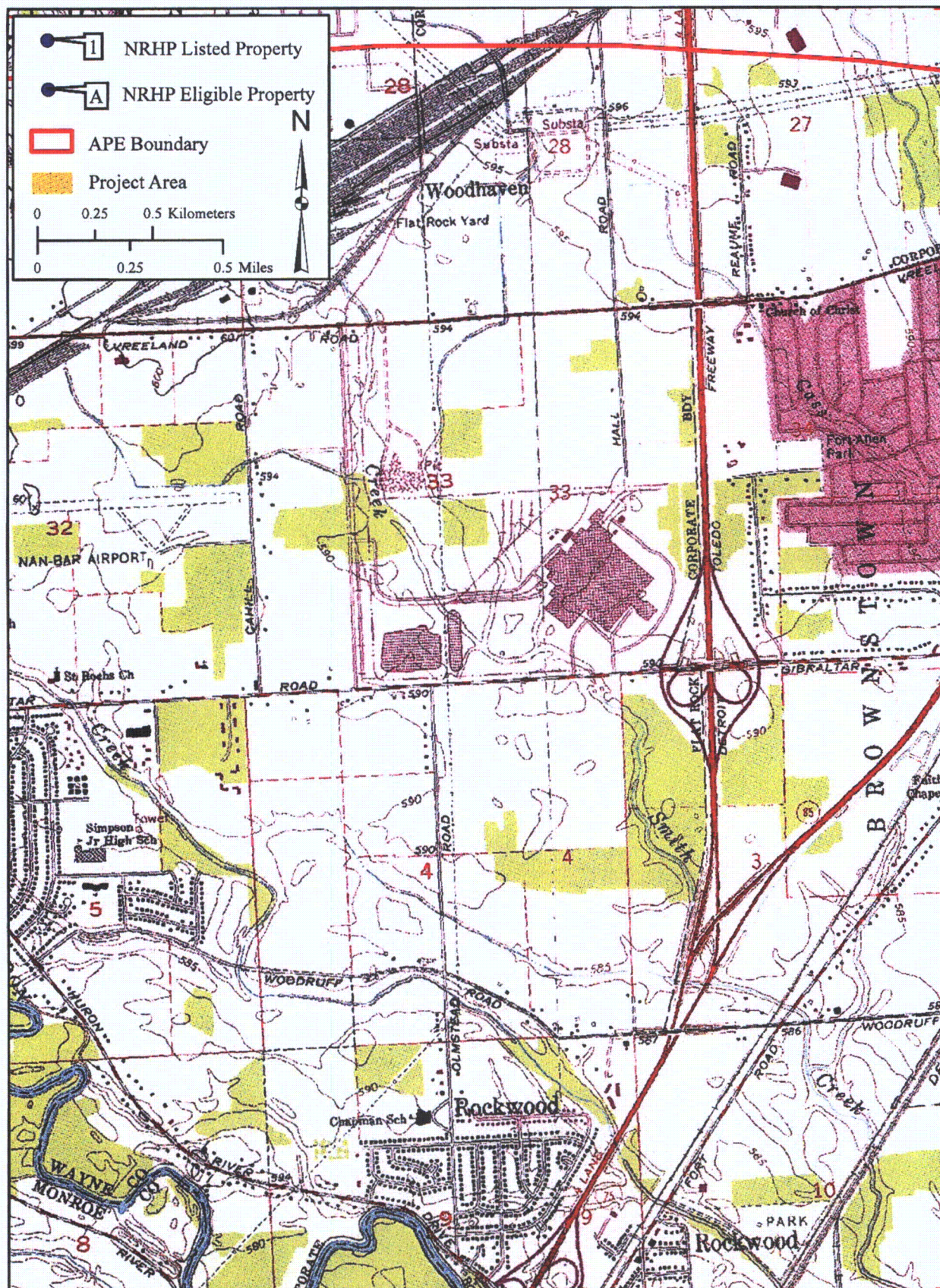
Project Area, Project APE, and Map Index



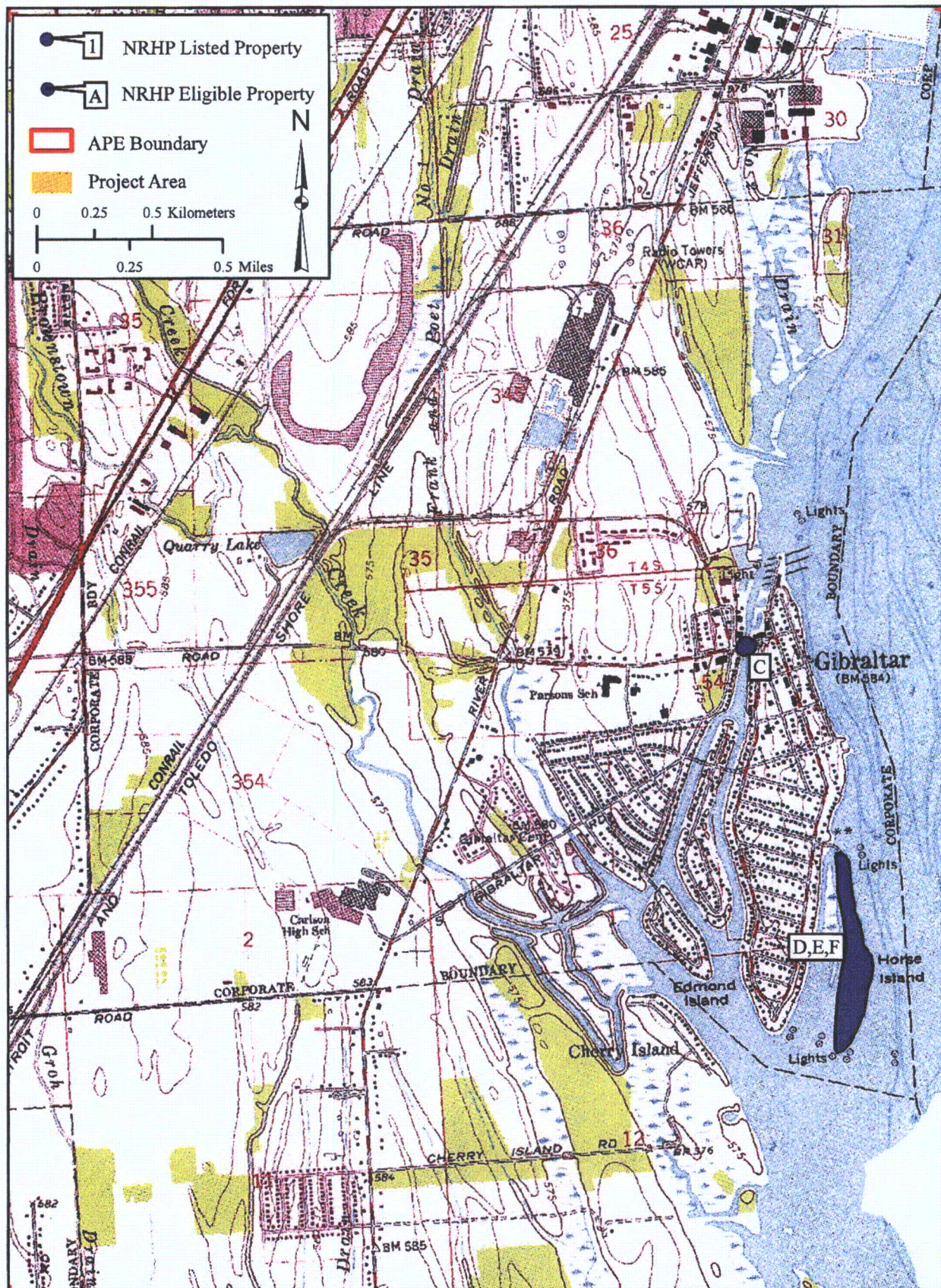
Map 2. NRHP Listed and NRHP Eligible Above-Ground Properties within the Above-Ground Resources Area of Potential Effect



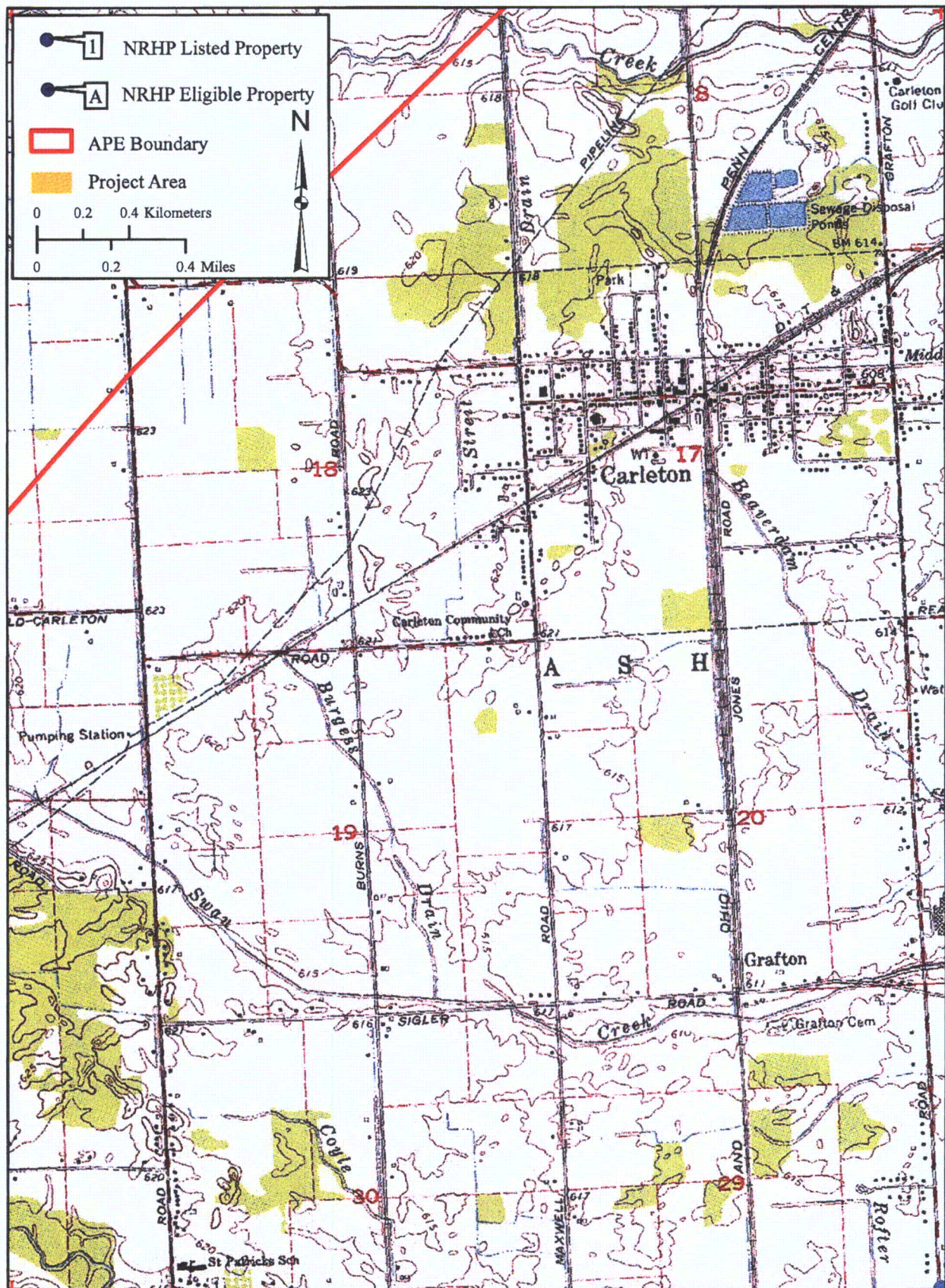
Map 3. NRHP Listed and NRHP Eligible Above-Ground Properties within the Above-Ground Resources Area of Potential Effect



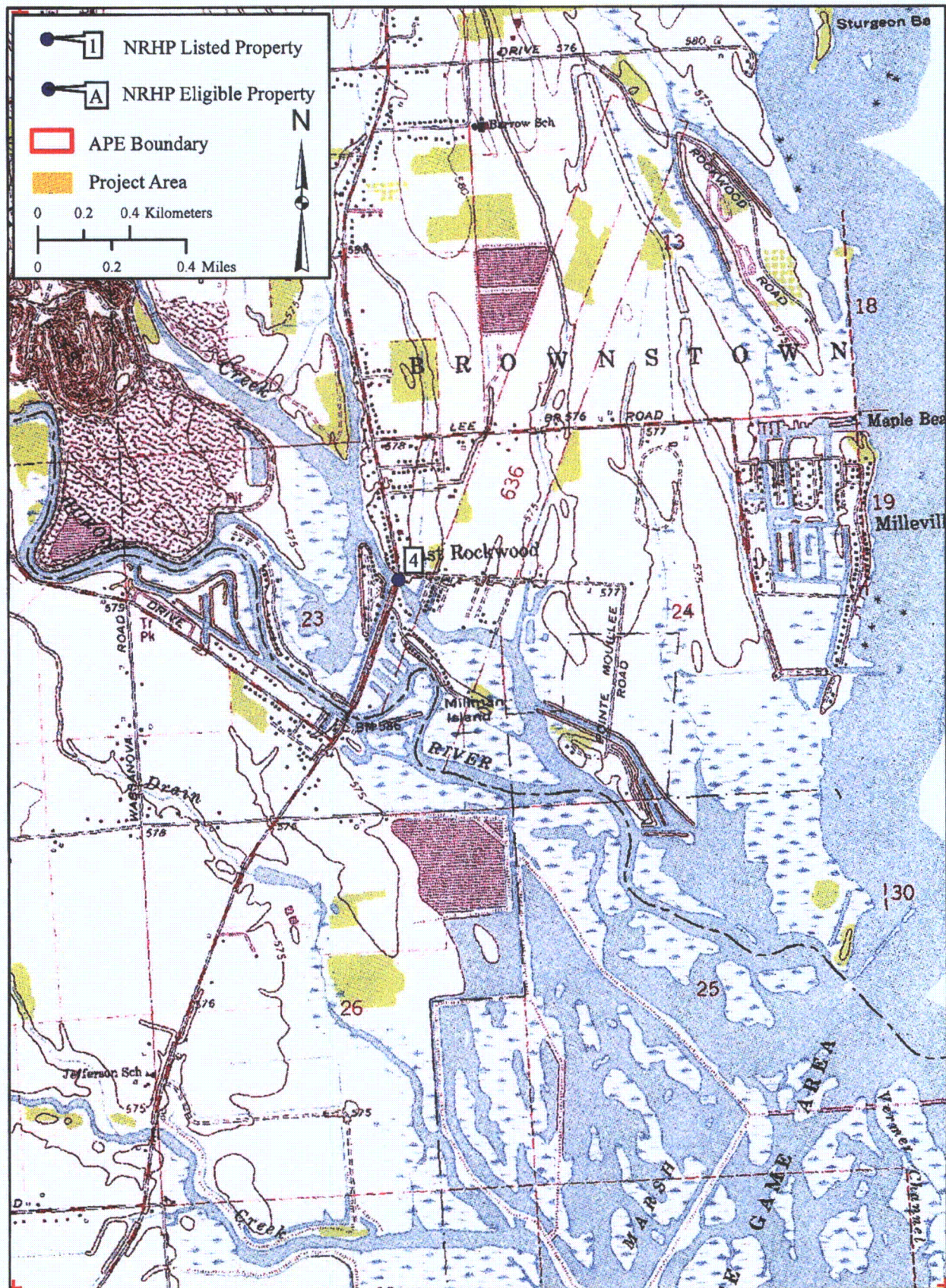
Map 4. NRHP Listed and NRHP Eligible Above-Ground Properties within the Above-Ground Resources Area of Potential Effect



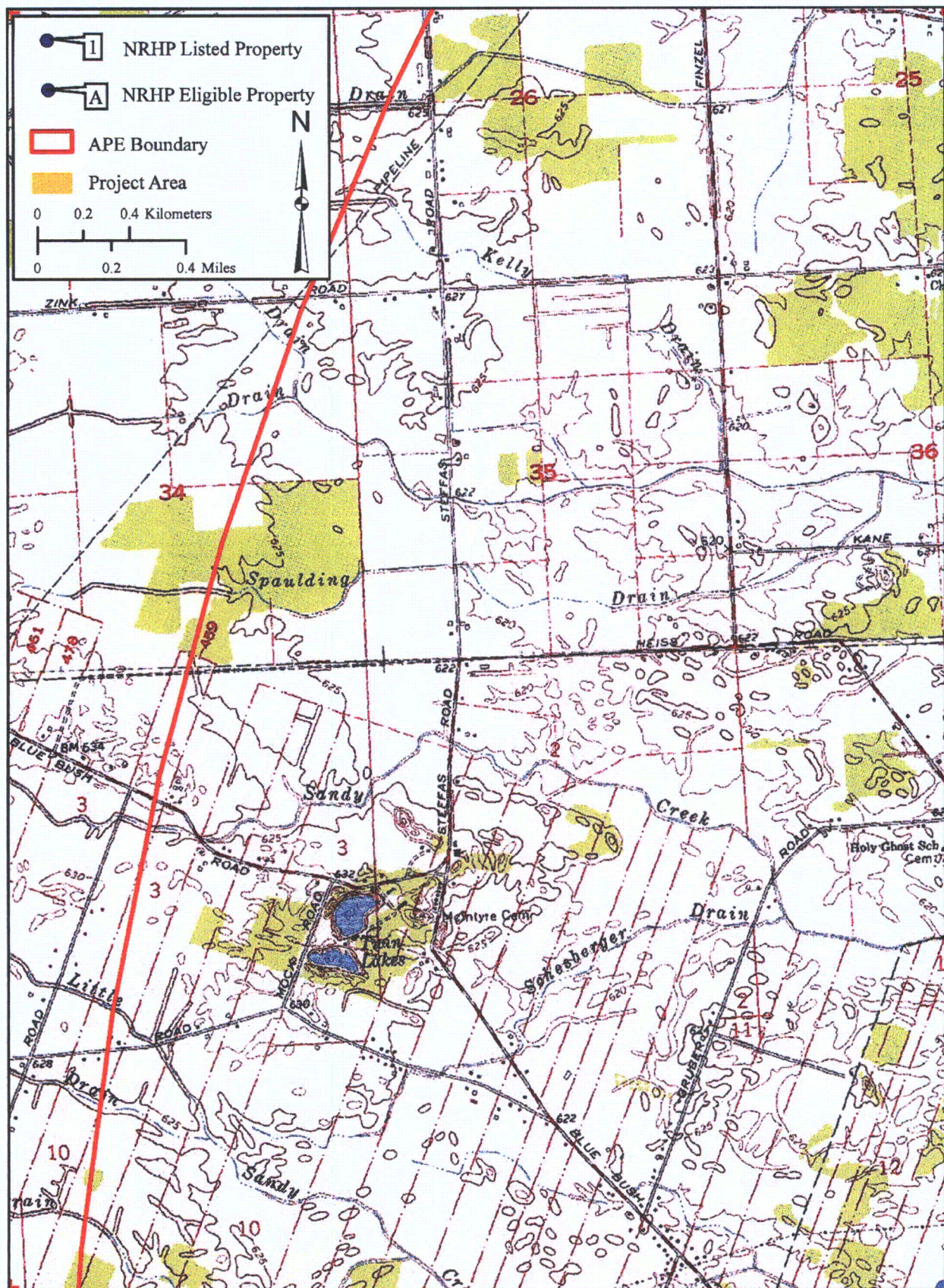
Map 5. NRHP Listed and NRHP Eligible Above-Ground Properties within the Above-Ground Resources Area of Potential Effect



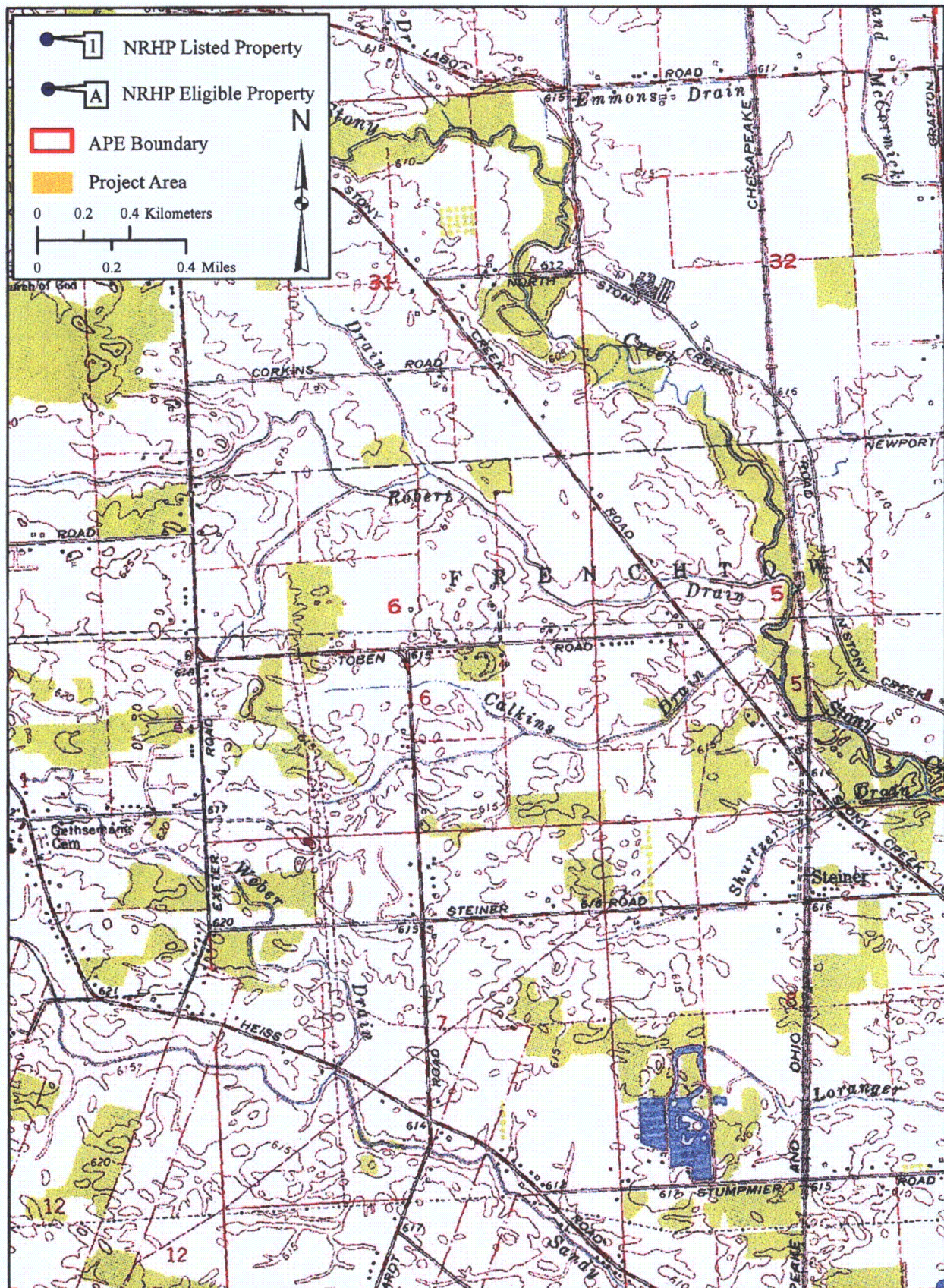
Map 8. NRHP Listed and NRHP Eligible Above-Ground Properties within the Above-Ground Resources Area of Potential Effect



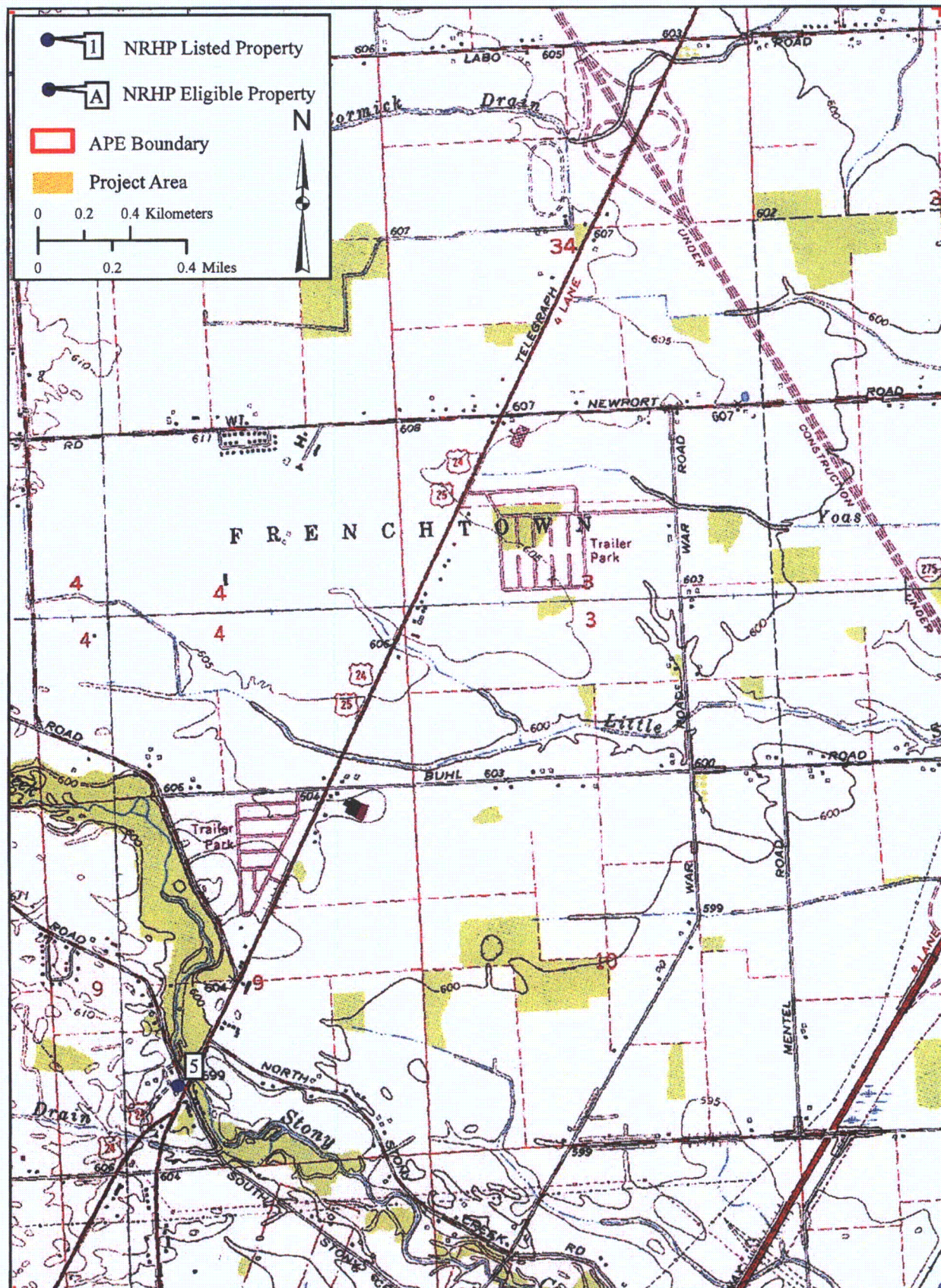
Map 12. NRHP Listed and NRHP Eligible Above-Ground Properties within the Above-Ground Resources Area of Potential Effect



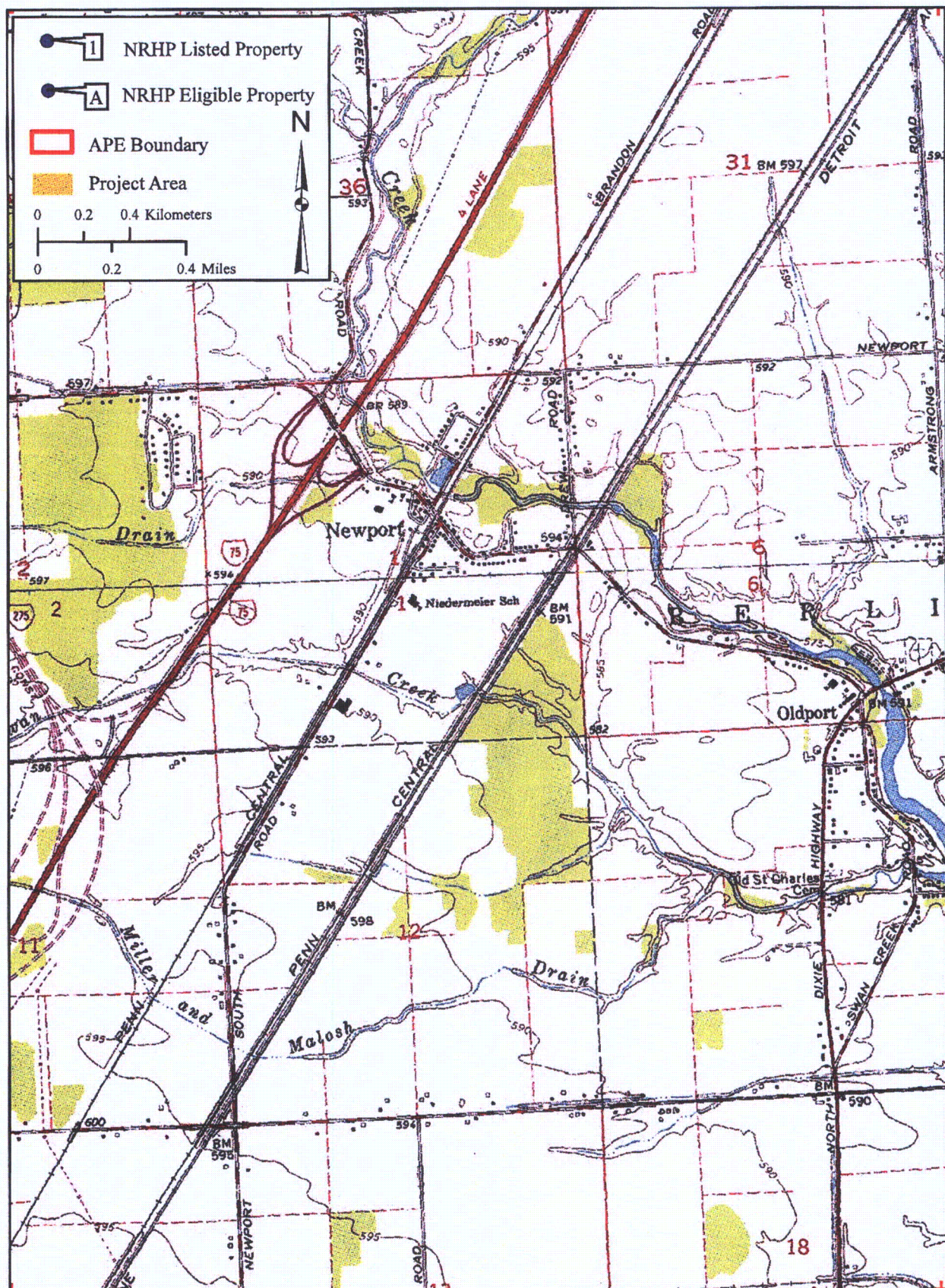
Map 13. NRHP Listed and NRHP Eligible Above-Ground Properties within the Above-Ground Resources Area of Potential Effect



Map 14. NRHP Listed and NRHP Eligible Above-Ground Properties within the Above-Ground Resources Area of Potential Effect



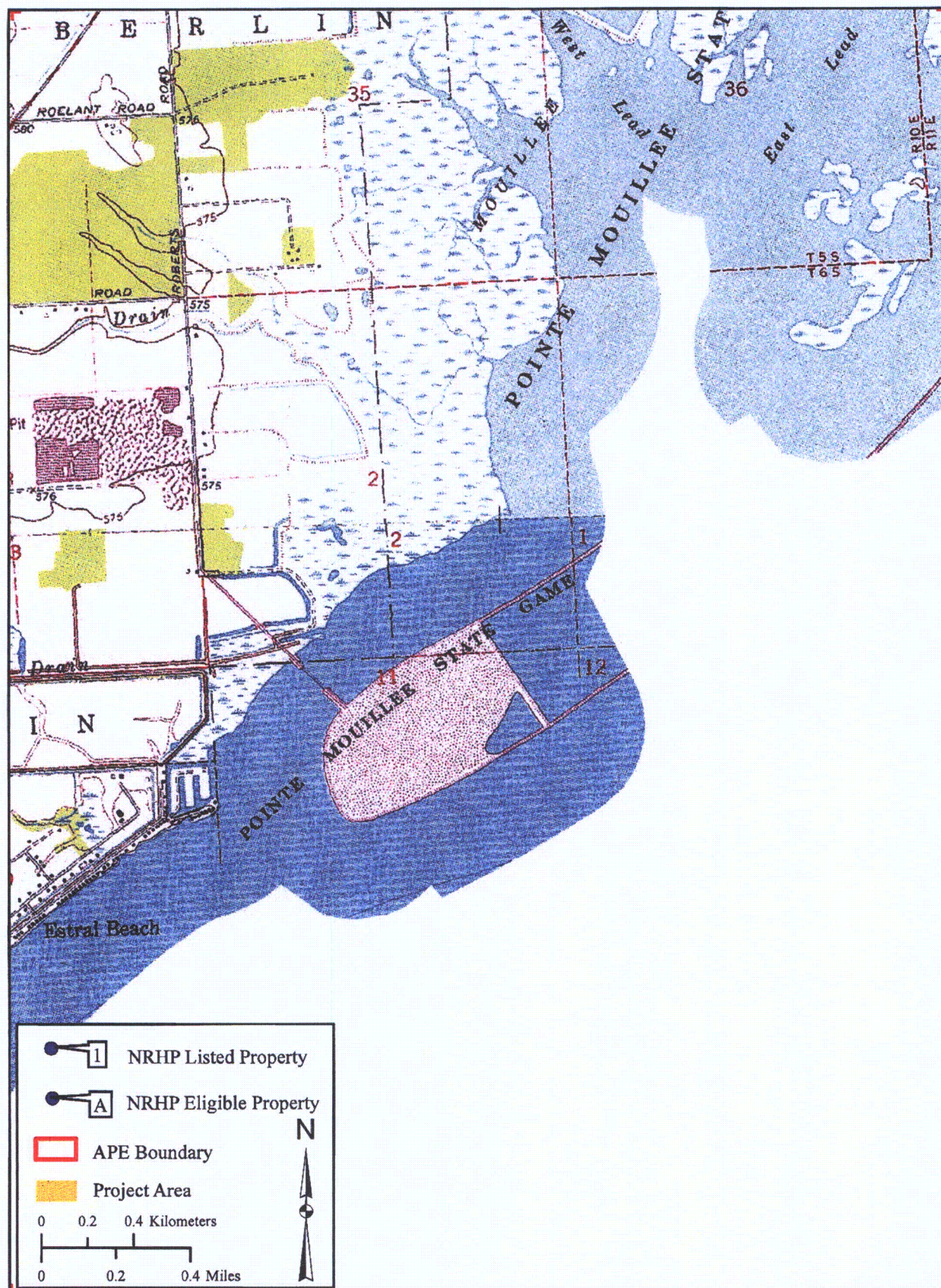
Map 15. NRHP Listed and NRHP Eligible Above-Ground Properties within the Above-Ground Resources Area of Potential Effect



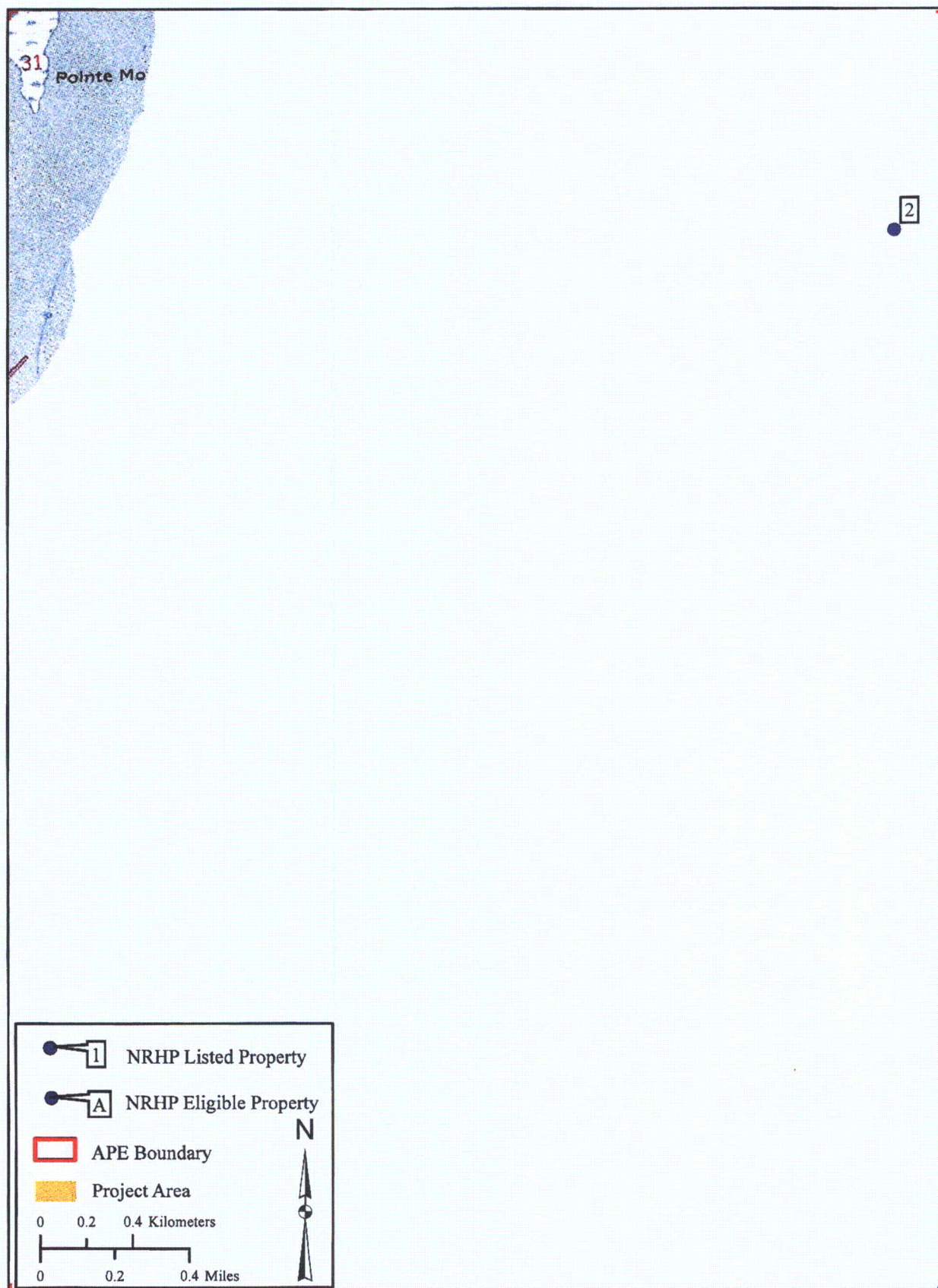
Map 16. NRHP Listed and NRHP Eligible Above-Ground Properties within the Above-Ground Resources Area of Potential Effect



Map 17. NRHP Listed and NRHP Eligible Above-Ground Properties within the Above-Ground Resources Area of Potential Effect



Map 18. NRHP Listed and NRHP Eligible Above-Ground Properties within the Above-Ground Resources Area of Potential Effect



Map 19. NRHP Listed and NRHP Eligible Above-Ground Properties within the Above-Ground Resources Area of Potential Effect