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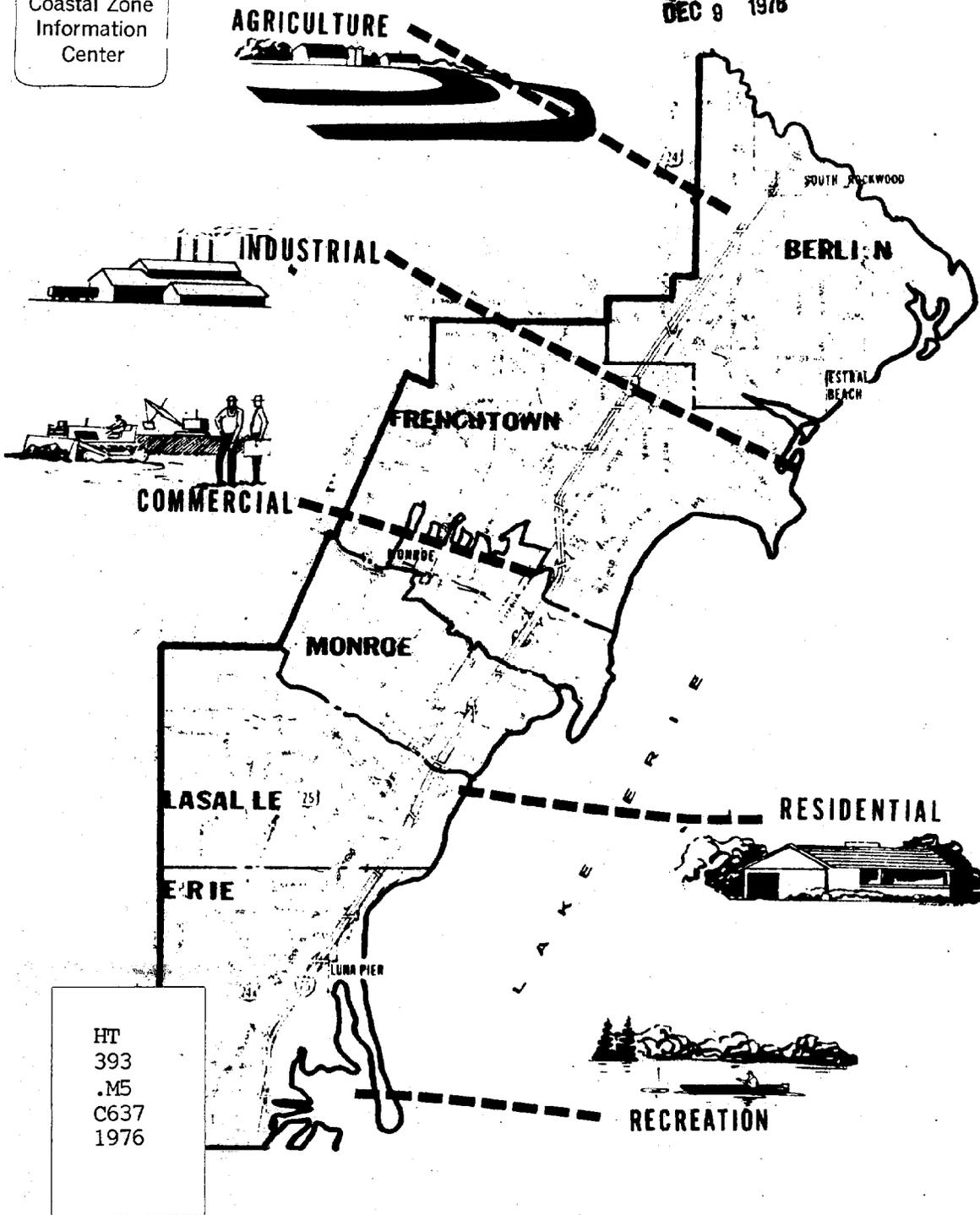
COASTAL ZONE

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MANAGEMENT
JULY 1976

Monroe County Planning Department
and Commission

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INTRODUCTION

INTRODUCTION

The Monroe County Coastal Zone Management Report has been an undertaking by the Monroe County Coastal Zone Management Task Force comprised of representatives from County and local governmental units bordering Lake Erie, industry, and concerned citizens groups. This Coastal Zone Management Program is being done under the auspices of the Michigan Department of Natural Resources and S.E.M.C.O.G. as promoted by the passage of the Federal Coastal Zone Management Act of 1972 (P.L. 92 - 583).

The Federal Coastal Zone Management Act is designed to stimulate State leadership in planning and management of the coastal zone and bring into harmony the social, economic and ecological aspects of land and water use decisions. Through a series of program development grants, the Act encourages new cooperation among various agencies and levels of government aimed toward the implementation of a coastal zone management program through which various units of government may each exercise management capabilities.

The Monroe County Coastal Zone Management Task Force agreed to the responsibility of providing the following information to S.E.M.C.O.G. and the Michigan Department of Natural Resources:

1. Inventory of Water Quality, Aquatic and Terrestrial ecosystems and human resources to be provided by State or other sources and to be reviewed by Task Force for concurrence with local knowledge and for relationship to nomination of areas for particular concern.
2. Task Force to define areas of particular concern to include environmental areas, high risk erosion, flood hazard areas, ecological importance, natural area, recreation, historic and archeologic sites, islands, coastal river mouths, urban areas, agricultural areas, prime industrial areas and water transportation areas.
3. Establish priority use guidelines for each identified area of particular concern, for inclusion in management plan.
4. Define Management Plan Boundary.

This task involves the identification of those areas of Southeast Michigan which will be included in the shorelands management program. Reports prepared for and by the State to be used include "Michigan Great Lakes Shoreland Zone Boundary Definition".

5. Develop Management Plan.

Development of a proposal to insure the consistent action of local, regional, State, and Federal agencies and units of Government in shorelands management related matters throughout the periods of program development and implementation.

The staff of the Monroe County Planning Commission provided the task force with professional and technical support. This work was financially assisted by the Michigan Department of Natural Resources through the Southeast Michigan Council of Governments.

MONROE COUNTY
COASTAL ZONE MANAGEMENT TASK FORCE

In order to fulfill the criteria that was established by the Federal Coastal Zone Management Act of 1972 (P.C. 92 - 583), State of Michigan Coastal Zone Management Program, and that of S.E.M.C.O.G., Staff of the Monroe County Planning Commission formulated what is now known as the Monroe County Coastal Zone Management Task Force. This is a committee of 14 members representing the political subdivisions having shoreline frontage, industrial, commercial, environmental, and citizen interests.

The involvement of these individuals in the CZM process was brought about by officials from the Michigan Department of Natural Resources, that had contacted the Monroe County Planning Commission, asking for the cooperation of Monroe County in the State CZM program. In order to insure the interests of Monroe County in the CZM planning process it was advisable that a local task force be established.

On February 9, 1976 the staff of the Monroe County Planning Commission were authorized to organize the Monroe County Coastal Zone Task Force. The following communities and areas of interest were asked to appoint delegates:

1. Berlin Township
2. Estral Beach Village
3. Frenchtown Township
4. City of Monroe
5. Monroe Township
6. LaSalle Township
7. Erie Township
8. City of Luna Pier
9. Lake Erie Advisory Committee
10. The Port of Monroe
11. The Detroit Edison Company
12. Consumers Power Company
13. Monroe County Board of Commissioners
14. Monroe County Environmental Health Department
15. Monroe County Office of Civil Preparedness

Not all preliminary representatives formally advised the Planning Commission as to their delegate on the Task Force. Out of the 15 preliminary representatives there are 14 individuals that comprise the constituency of the Task Force. Those representatives comprising units of government are usually members of township boards, with the remaining being a supervisor, two mayors, and the director of a city planning department. The other membership delegates are represented by directors of various departments or their assistants, chairmen of committees, and company officials.

On March 11, 1976, in the Frenchtown Township Hall at 3:30 P.M. the first regular meeting of the Monroe County Coastal Zone Management Task Force was brought to order. Since that time there have been a total of 8 regular meetings and a Public Hearing that have been held to outline the goals and objectives of the Task Force, establish what the Task Force's responsibilities are, make nominations for areas of particular concern, and adopt a Monroe County Coastal Zone Management Plan.

Meetings' locations varied to allow greater citizen access to the task force. The following is a list of the meeting dates and places:

March 11, 1976	Frenchtown Township
March 18, 1976	Frenchtown Township
April 1, 1976	City of Luna Pier - Senior Citizens Complex
April 15, 1976	Monroe County Planning Commission Offices
April 29, 1976	Monroe County Planning Commission Offices
May 6, 1976	Monroe County Planning Commission Offices
May 20, 1976	Monroe County Planning Commission Offices
June 10, 1976	Monroe County Planning Commission Offices

The Public Hearing to add citizen approval for the Task Force nominations of areas of particular concern was held June 8, 1976 at 7:30 P.M. at the Monroe Township Hall. Besides the Public Hearing, all regular meetings were open to the public for their comments and recommendations. Representation by the public sector at all meetings was quite good, with people representing the interests of citizens groups, environmental areas, industrial concerns, and other citizenry that showed their own personal interests.

(see Appendix B)

BOUNDARY DEFINITION
OF
COASTAL PLANNING ZONE
AND
COASTAL MANAGEMENT AREA

COASTAL PLANNING ZONE
AND
COASTAL MANAGEMENT AREA

Boundary Definition

As in all reports where management or use of land is concerned, a framework outlining the boundary or the area of influence that is being regulated is defined and pointed out. As in the case of a zoning ordinance this boundary is defined as the corporate limits of the municipality for which it is being written. Land Use plans usually designate the areas where various land uses could be developed, such as: residential, commercial, industrial, and agricultural. The Coastal Zone Management Program is no exception. At the federal level, the Coastal Zone Management Act of 1972 (P.L. 92 - 583) identifies the coastal zone as those shorelands and coastal waters strongly influenced by one another. It states that the coastal zone should include:

1. Transitional areas, wetlands and beaches;
2. Coastal waters, including the lands therein and thereunder (this will be interpreted to mean islands and bottomlands of the Great Lakes);
3. Those coastal waters extending to the international boundary between the United States and Canada or the boundaries between Michigan and other Great Lakes states;
4. Shorelands to the inland extent necessary to encompass those uses of the land having direct and significant impacts on coastal waters.

In addition, the act states that "excluded from the coastal zone are lands the use of which is by law subject solely to the discretion of, or which is held in trust by the Federal Government, its officers or agents". (Section 304 - a)

At the State level, the Shorelands Protection and Management Act (Act 245, P.A. of 1970, as amended) defines the shorelands as the land, water and land beneath the water which is in close proximity to the shoreline of the Great Lakes. Through this Act, the legislature authorized the regulation of high-risk erosion areas and environmental areas within 1,000 feet landward of the ordinary high-water mark of the Great Lakes. Regulation further inland is authorized for flood-risk areas and for environmental areas bordering or adjacent to waters affected by levels of the Great Lakes.

A. State of Michigan Revised Coastal Boundary Definition. In early 1975, under contract from the Water Development Services Division of the D.N.R., the Resource Development Department of Michigan State University undertook the formal task of further defining the Coastal Zone Boundary of Michigan.

The findings of the M.S.U. study and input by State, regional, and local agencies directed the formulation of the following boundary definition:

COASTAL MANAGEMENT AREA

The lakeward boundary of Michigan's coastal management area will extend from the Ordinary High Water Mark (OHWM) of the Great Lakes to the boundary between the United States and Canada or the boundaries between Michigan and the other Great Lakes states. Included will be the islands and submerged bottomlands of the Great Lakes.

The Ordinary High Water Mark (OHWM) is that line between the upland and lake bottomland which persists through successive changes in water levels. It is a recognized and documented elevation which must be determined for any point on the shoreline by field survey methods. "Ordinary High Water Mark of the Great Lakes" is defined by Section 2 of Act 247 of the Public Acts of 1955, as amended, being Section 322.702 of the Michigan Compiled Laws. "Ordinary High Water Mark of inland waters" is defined by Section 2 (H) of Act No. 346 of the Public Acts of 1972, as amended, being Section 281.851 of the Michigan Compiled Laws.

The inland boundary of the coastal zone management area will extend 1,000 feet landward from the OHWM of the Great Lakes; or 1,000 feet landward from:

- *The OHWM of inland waters directly affected by the changing levels of the Great Lakes.

- *The OHWM of coastal lakes if any part of that lake lies within 1,000 feet of the OHWM of the Great Lakes.

These lakes may or may not be affected by changing levels of the lakes, and may or may not be connected to the lakes by river or stream.

The management area may extend further inland than stated above to encompass:

- *Wetlands, if any part of that wetland lies within 1,000 feet of the Great Lakes or within 1,000 feet of the OHWM of inland waters directly affected by the changing levels of the lakes.

- *Wetlands will be those lands defined as wetlands under the Michigan Land Cover/Use Classification System (See Appendix F - Monroe County Coastal Zone Map).

- *Areas, in their entirety, which are publicly owned park or recreation area; or designated under provisions of the Wilderness and Natural Areas Act (Act 241, P.A. 1972); or otherwise designated by a public agency for the preservation of natural, wild or wilderness characteristics, if any part of the area borders a Great Lake or connecting waterway.

- *Sand dune information, in their entirety of any portion of that information borders on a Great Lake or connecting water.

*Areas falling within the 100 year flood-plain of the Great Lakes.

These areas will be delineated by flood plain surveys to be conducted by the Federal Insurance Administration, Department of Housing and Urban development. As this data is not likely to be available for the initial determination of the shoreland boundary, the boundary will be modified in the future to include these flood-risk areas.

COASTAL PLANNING ZONE

The coastal planning zone will extend to the inland boundary of any city, village or township which has any land within the management area

As those lands and waters falling within the coastal zone management area will be of state and local interest, those lands lying outside of the management area but within the coastal planning zone will be of primary local interest. The coastal planning zone identifies the governmental unit most responsible for activities occurring within its shorelands and the unit which will have the authority to control shoreland uses through planning and zoning. The coastal planning zone also recognizes that those activities taking place in the township, village or city as a whole may have impacts upon the shorelands of the Great Lakes, (i.e., encouraging residential development in landward areas of the township may reduce development pressures within the shorelands).

B. Southeast Michigan Coastal Boundary Definition. As the State of Michigan further defined the Federal Coastal Boundary Definition, the S.E.M.C.O.G. Coastal Zone Task Force also redefined the coastal zone boundary. Due to the inconsistency of the S.E.M.C.O.G. coastline as to land use and geological definitions, S.E.M.C.O.G. in conjunction with its constituent coastal communities redefined the Inland Boundary for the Coastal Zone Management Area to read:

The inland boundary of the coastal zone management area will extend from the OHWM inland to the first thoroughfare of major consequence.

Definitions of the Lakeward boundary and the Coastal Planning Zone remain the same as that of the State of Michigan.

C. Monroe County Coastal Zone Boundary. In response to the State of Michigan Coastal Zone Boundary and the S.E.M.C.O.G. revised Inland boundary definition, the Monroe County Coastal Zone Management Boundary would be defined as follows:

1. The Lakeward Boundary

This would include all that portion of Lake Erie lying between the OHWM of Lake Erie (571.6 feet above sea level) in connection with Monroe

County's shoreline eastward to the international boundary of Canada and Michigan, southward to the Michigan/Ohio border, and to the north by the boundary line between Monroe and Wayne County.

2. The Inland Boundary

This will include all that portion of Monroe County lying westerly of the OHWM of Lake Erie (57.6 feet above sea level) inland to I-75 and North Dixie Highway respectively. To be more specific it is everything east of I-75 from its intersection at the Michigan/Ohio border going in a northerly direction until it intersects North Dixie Highway, north of the City of Monroe, then in a northeasterly direction following North Dixie Highway until it becomes the U.S. Turnpike and following the U.S. Turnpike to its intersection with Wayne County. (See Appendix F - Monroe County Coastal Zone Map)

Also included in the inland boundary are:

- i. that portion of Erie Township, west of I-75 bounded on the south by the Michigan/Ohio border, on the west by Hagman Road, and on the north by Lotus Drive, extended easterly to I-75, and
- ii. that portion of Monroe Township/City of Monroe lying west of I-75, bounded by LaPlaisance Road and the Detroit, Toledo and Shoreline Rail Road on the west, and the D. & T. S.R.R. spur to the north.

3. The Coastal Planning Zone

The Coastal Planning Zone of Monroe County consists of the following municipalities:

Townships --

Berlin
Frenchtown
Monroe
LaSalle
Erie

Villages --

Estral Beach

Cities --

Luna Pier
Monroe

(See Appendix F - Monroe County Coastal Zone Map)

DESCRIPTION OF MONROE COUNTY

DESCRIPTION OF MONROE COUNTY

Location

Monroe County is situated in the extreme southeastern portion of the State of Michigan. It is bounded by Wayne and Washtenaw counties to the north, by Lenawee County to the west, the Ohio State line to the south, and Lake Erie to the east. With its location, due to State and County boundaries, Monroe County is unique in that it is one of the few counties of any Great Lakes state that has sole jurisdiction of its state's portion of a Great Lakes coastline. Positioned between the cities of Detroit, Michigan and Toledo, Ohio, the future development of the County will be aided by these two forces. Toledo has already made an impact upon the County in conjunction with the urban growth and population explosion of Bedford Township, one of the County's southern municipalities. Its location also makes Monroe County one of the gateways to the State of Michigan by those entering from the State of Ohio. Besides being one of the gateways to our State it also has the only Michigan port on Lake Erie. (See map of regional setting)

Physical Makeup

The physical makeup of Monroe County is one of rather low relief or topography sloping in a southeasterly direction, from a maximum elevation of 730 feet in the extreme northwest corner to an elevation of approximately 570 feet at Lake Erie. Its overburden is composed of glacial till that was deposited some 10,000 years ago by what is called the Wisconsin Glacier. This overburden varies in thickness from a few inches to nearly 160 feet. Over most of the County, however, the drift is considerably less than 30 feet. (See Appendix F - Overburden Thickness Map) Glacial deposits consist mainly of clay till reworked by glacial lake water and veneered by lacustrine sands, silts, and clays. Along the Lake Erie shoreline there are also large tracts of marshes. (See Appendix F - Glacial Deposits Map) The overburden of Monroe County is also related to as lake plain as this area at one time had been all under water due to the glacial recession and melt. Crustal Rebound, or the raising of the earth's surface that had been depressed by the weight of the glacier has brought this land back to where it was prior to the ice movement. The area around Lake Superior is still going through this process. Due to Monroe's relatively flat surface features flooding causes extensive amounts of land to be under water.

Demographic Makeup

As of the last decennial census taken in 1970, Monroe County numbered 119,215 persons. Of this number 63,503 people or 53.3 percent of the population resided in the eight communities that border Lake Erie. The Monroe Urban Area (Frenchtown and Monroe Townships and the City of Monroe) accounts for the majority of this population, 47,930 or 40.2 percent of the County population. Forecasts by the County for the year 2000 indicate a population of 209,440 people for the County. Again, the coastal communities will have a majority of the population, 114,616 people or 54.2 percent of the total forecasted popu-

lation are expected to reside in coastal communities. The Monroe Urban area will remain the population center of the County with 86,979 persons residing within its boundaries or 41.5 percent of the County's projected population. (See 1970 - 2000 Population Table)

Land Use Makeup

From a report by the Great Lakes Basin Commission the State of Michigan has 32.5 miles, or 9.5 percent of the shorelands of Lake Erie, almost all of which are located in Monroe County. The shore types of this shoreline vary but basically consist of wetlands interspersed with artificial shore types in and near the more developed areas.

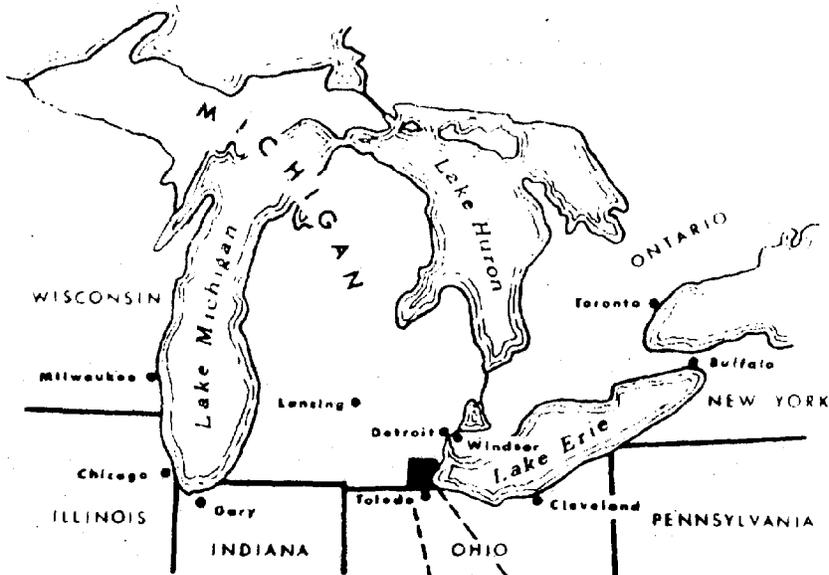
Residential development accounts for 15 miles or almost 50 percent of the total shoreland use of the Michigan portion of Lake Erie frontage. The residential use of the shore is widespread and not confined to the shorelands immediately adjacent to the City of Monroe.

Almost 11 miles, or 33.8 percent of Michigan's Lake Erie shorelands are state owned designated recreational and wildlife areas.

The Michigan portion of the shoreline is devoid of forest land except for isolated woodlots. Agriculture and vacant, underdeveloped lands account for about 5.8 miles of shoreline but these are giving way to residential and industrial uses.

Of the 32.5 miles of Michigan coastline on Lake Erie, Monroe County has roughly 31.2 miles of its guardianship. The Monroe County General Development Plan, advises that approximately 13 of those miles, or 41.7 percent of the shoreline, should be designated for residential purposes. Another 14.1 miles of shoreline is designated for recreation and public/semi-public uses. This amounts to 45.2 percent of the shoreline. The remaining 4.1 or 13.1 percent of the coastline is being designated for industrial purposes to include utilities. (See Appendix F - General Development Plan Map - Monroe County)

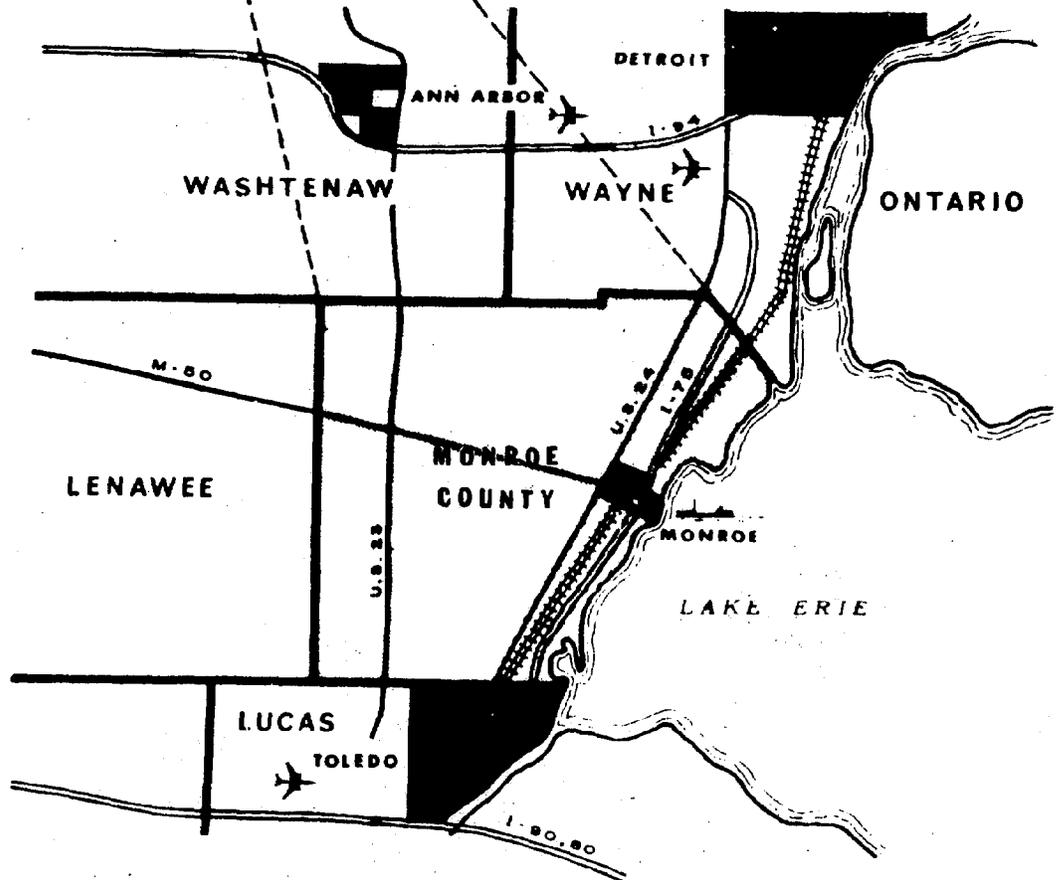
The 31.2 miles of Lake Erie shoreline in Monroe County likewise are affected by locally adopted development plans. Locally adopted land use plans advise that 11.8 miles or 37.8 percent of the shoreline be designated for residential purposes. Another 13.6 miles of shoreline are designated for recreation and public/semi-public uses. This amounts to 32.6 percent of the shoreline. The remaining 5.8 miles of shoreline, or 18.6 percent of the shoreline, is designated for industrial purposes to include utilities. The minor discrepancy between the County plan and local plans will have to be resolved. It is hoped that both the County plan and local plans can be revised so that all are consistent with the final adopted Coastal Zone Management Plan.



REGIONAL SETTING

MIDWESTERN REGION

MONROE 5-COUNTY AREA



**MONROE COUNTY 1970 POPULATION DISTRIBUTION AND YEAR 2000 POPULATION
PROJECTIONS BY URBANIZED/NON URBANIZED AREA
AND BY MINOR CIVIL DIVISION**

	1970 Population	Projected 2000 Population	1970 - 2000 Population Change	
			Numerical	Percent
Ash/Berlin Urbanized Area	11,313	20,893	+ 9,580	+ 84.7
Ash Township	5,803	10,468	+ 4,665	+ 80.4
Berlin Township *	5,510	10,425	+ 4,915	+ 89.2
Bedford Urbanized Area	30,121	59,128	+29,007	+ 96.3
Bedford Township	21,505	43,596	+22,091	+102.7
Erie Township*	4,494	7,455	+ 2,961	+ 65.9
Whiteford Township	4,122	8,077	+ 3,955	+ 96.0
Monroe Urbanized Area	47,930	86,979	+39,049	+ 81.5
City of Monroe*	23,894	30,000	+ 6,106	+ 25.6
Frenchtown Township *	14,685	32,443	+17,758	+120.9
Monroe Township*	9,351	24,536	+15,185	+162.4
Total Urbanized Area	89,364	167,000	+77,636	+ 86.9
Non Urbanized Area Townships	23,491	31,674	+ 8,183	+ 34.8
Dundee Township	2,439	3,043	+ 604	+ 24.8
Exeter Township	2,486	2,528	+ 42	+ 1.7
Ida Township	3,377	4,791	+ 1,414	+ 41.9
LaSalle Township*	4,151	6,757	+ 2,606	+ 62.8
London Township	2,522	3,140	+ 618	+ 24.5
Milan Township	1,890	2,185	+ 295	+ 15.6
Raisinville Township	4,009	6,280	+ 2,271	+ 56.7
Summerfield Township	2,617	2,950	+ 333	+ 12.7
Non Urbanized Area Villages and Cities	6,360	10,766	+ 4,406	+ 69.3
City of Luna Pier*	1,418	2,000	+ 582	+ 41.0
City of Milan (part)	758	1,642	+ 884	+116.6
City of Petersburg	1,227	2,227	+ 1,000	+ 81.5
Dundee Village	2,472	4,285	+ 1,813	+ 73.3
Maybee Village	485	612	+ 127	+ 26.2
Total Non Urbanized Area	29,851	42,440	+12,589	+ 42.2
Monroe County	119,215	209,440	+90,225	+ 75.7

Note: Certain municipal projections enumerated in Table 1-2 have been revised since the publication of Monroe County Population and Economic Studies.

Source: Monroe County Planning Commission, Monroe County Population and Economic Studies, March, 1974.

*Monroe County Coastal Communities

NOMINATION AND RANKING METHODOLOGIES
FOR
AREAS OF PARTICULAR CONCERN

NOMINATION AND RANKING METHODOLOGIES
FOR
AREAS OF PARTICULAR CONCERN

One of the major tasks of the Coastal Zone Management Program is the "inventory and designation of areas of particular concern within the coastal zone". Areas of particular concern have reference to those general categories that had been identified by the guidelines handed down by the Department of Natural Resources.

1. Flood Hazard Areas
2. High Risk Erosion Areas
3. Areas of Ecological Importance
4. Natural Areas
5. Recreational Areas
6. Historic and Archaeological Areas
7. Sand Dune Areas
8. Islands
9. Coastal Lakes, River Mouths and Bays
10. Urban Areas
11. Mineral Resource Areas
12. Agricultural Areas
13. Prime Industrial Areas
14. Water Transportation Areas

From this list of 14 areas of particular concern and after identifying the coastal zone management area for Monroe County, the Coastal Zone Management Taskforce made preliminary designations within the management area from the above mentioned areas of concern. Criteria for their identification was provided in the guidelines for each category. These were supplemented with the use of the following other sources of information.

1. Aerial Photos
2. Existing Land Use Maps
3. Water and Sewer Service Area Maps
4. Prime Agricultural Land Maps
5. Master Plans of Local Communities
6. Native Knowledge
7. Ownership
8. Interests of Private and Public Concerns

With this information in hand the Monroe County Coastal Zone Management Task Force was able to identify a concern for the total Monroe County shoreline.

On the basis of the criteria provided by the guidelines and local criteria, the task force made 24 preliminary designations for areas of particular concern. These nominations cover the entire coastal management area of Monroe County, but do not address themselves to all 14 areas of particular concern. Only 8 areas were utilized in the nomination process for Monroe County, as the Task Force made preliminary designations accord-

ing to their value of the best use for the land, both from an existing as well as future qualitative point of view.

- A. High Risk Erosion Areas
- B. Flood Hazards Areas
- C. Areas of Ecological Importance
- D. Recreational Areas
- E. Islands
- F. Urban Areas
- G. Agricultural Areas
- H. Industrial Areas

(See Appendix C - Task Force Nominations)

The Coastal Zoning Management Task Force received 20 public nominations from concerned citizens and groups. These were compared to the task force's designation and where coincidental they were accepted and where in conflict they were considered non acceptable. Phase II of the Coastal Zone Plan will include a more particular response to nominations from other sources. (See Appendix D - Public Nominations)

Ranking Methodology For Areas Of Particular Concern

After the preliminary designation process had been completed, it was the charge of the Task force to then rate the nominations in a twofold manner; 1) by area of particular concern, within specific designations and 2) on an overall ranking scheme, namely across specific designations or on inter-ranking scheme.

In ranking the nominations by specific designation each area was evaluated on the basis of what was thought to be the best criteria for that type of designation (i.e., urban, industrial, etc.). Each designation was capable of achieving a certain score out of a total maximum score potentially available for that area of particular concern designation, based upon the percentile each area received relative to its maximum permissible score.

Intra group criteria including the following considerations:

Areas of Ecological Importance -- a maximum of 33 points could be attained in this group. Twenty points covered criteria outlined in the Draft Copy of Michigan's Coastal Zone Manual from the DNR, and 13 points covered areas of relationship locally devised. The ecological criteria concerned marshes, open water, and upland areas that would support various wildlife species with 5 points apiece for any area having at least one aspect of the criteria. The other 13 points concerned urban relationship which included: distance from developed areas, water and sewer line availability and ownership. Sites furthest away from development were felt to be the best for purposes of supporting an ecological concern. Concerning ownership, it was felt that ecological areas should be under public ownership and that the less amount of public ownership the higher the priority ranking points an area was capable of achieving.

(See Appendix E - Individual Rating
Methodology Sheets)

Agricultural Areas -- Areas of agricultural concern could receive a maximum of 20 points. Four criteria were established each of which were assigned five points. These included: relationship to public plans, size of area concerned, relationship to water and sewer programs, and proposed activity of land. Public plans included local and County plans. In terms of area, the larger the land area the higher the ranking; smaller areas (less than 250 acres) could be eventually incorporated with other areas of concern. Areas farthest from water and sewer lines were assumed less likely to develop and therefore received a higher rating. Agricultural productivity ratings were based on prime agricultural lands information.

(See Appendix E - Individual Rating Methodology Sheets)

Flood Hazard Areas -- Areas of flood hazard concern could receive a maximum of 15 points. The points were allocated on the basis of whether an area was located within the HUD flood hazard boundary (2 points); protected by flood devices (2 points); compatible with local public plans (3 points); the extent of development (5 points, with the more developed receiving a higher rating); and potential for Phase II Ecological Area Nomination (3 points).

(See Appendix E - Individual Rating Methodology Sheets)

Industrial Areas -- Areas of Industrial concern could receive a maximum of 20 points. Since criteria from the DNR was vague in this area a locally devised set of site evaluation criteria was used. The criteria included: Consistency with public plans, availability of water, sewer and gas lines, accessibility to highway, rail and water transportation, and the availability of vacant developable land or potential developable land. Besides the amount of land available for development, potential development, the most critical relationships used in the evaluation was proximity to transportation links and the availability of utilities.

(See Appendix E - Individual Rating Methodology Sheets)

High Risk Erosion Areas -- Areas of high risk erosion concern could receive a maximum score of 29 points. The rating was broken down into 4 areas:

1. Characteristics of erosion
2. Aerial photos
3. Proposed plans for area
4. Erosion potential of surrounding area

One point was given for each erosion characteristic. A maximum of 10 points could be gained by the amount of recession, and 5 points could be gained for the erosion potential of surrounding lands. Local plans were studied to determine if major development was proposed other than erosion control measures.

(See Appendix E - Individual Rating Methodology Sheets)

Recreation Areas -- Areas of recreational concern could receive a maximum of 21 points. Most of the concern in this area was existing facilities and the potential for expansion to

the site either in terms of development or acquisition. Relationship to public plans was a minor concern although it did have some bearing on the final rating.

(See Appendix E - Individual Rating Methodology Sheets)

Island -- Areas of island concern could receive a maximum of 20 points. Monroe County's islands are primarily associated with ecological areas, so most of the criteria was geared toward ecological concerns. The ownership criteria reflects an interest in public ownership of these islands.

(See Appendix E - Individual Rating Methodology Sheets)

Urban Areas -- Areas of urban concern could receive a maximum of 13 points. Basically urban areas relate to population concentrations and the criteria denoted physical features of this type of area, namely; 1) population, 2) percentage of deficient housing, 3) flood prevention devices, 4) amount of developed land, and 5) water and sewer lines. Areas with high concentrations of people, higher numbers or percentage of deficient housing and more developed land got high ratings to indicate the need for flood prevention devices and water and sewer lines or to upgrade the existing protection devices if in need of repair or overhaul. Urban areas with no flood prevention structures and without water and sewers received higher point values due to the high water marks of Lake Erie and the probability of well water contamination due to saturation of septic tank filter fields. However, most nominations of urban concerns have water and sewer and flood protection. The application of the criteria described above resulted in the following intra group ranking results.

(See Appendix E - Individual Rating Nomination Sheets)

Rating Methodology Breakdown
By
Areas of Particular Concern

<u>Areas of Concern</u>	<u>Maximum Possible Points</u>	<u>Points</u>
A. Prime Industrial Areas	<u>20</u>	
1. Monroe Port Area - Nom. # 10		19
2. Consumers Power Plant Area - Nom. #20		13
3. Enrico Fermi Atomic Power Plant Area - Nom. #6		10
B. Urban Areas	<u>13</u>	
1. Frenchtown Beach Areas - Nom. #7		10
2. City of Luna Pier - Nom. #19		9
3. Bolles Harbor/Avalon Beach Area - Nom. #14		7
C. Ecological Areas	<u>33</u>	
1. Erie State Game Area - Nom. #22		30
2. Point Mouillee State Game Area - Nom. #1		28
D. Recreation Areas	<u>21</u>	
1. Sterling State Park Area - Nom. #9		19
2. Toledo Beach Area - Nom. # 18		15
3. LaPlaisance Creek Area - Nom. #13		10
E. High Risk Erosion Areas	<u>29</u>	
1. Woodtick Peninsula - Nom. #23		25
2. North Beach - Sterling State Park - Nom. #8		18
F. Flood Hazards Areas	<u>15</u>	
1. Swan Creek Flood Area - Nom. #3		11
1. Enrico Fermi Flood Area - Nom. #5		10
2. Plum Creek Bay Flood Area - Nom. #11		10
2. LaSalle Flood Area - Nom. #16		10
2. Erie Township Flood Area - Nom. #21		8
G. Islands	<u>20</u>	
1. Erie State Game Area Islands - Nom. #24		18
H. Agricultural Areas	<u>20</u>	
1. Frenchtown Agricultural Area - Nom. #4		18
2. Berlin Agricultural Area - Nom. #2		17
3. Monroe/LaSalle Agricultural Area - Nom. #15		16
4. Otter Creek Agricultural Area - Nom. #17		15
5. LaPlaisance Road Agricultural Area - Nom. #12		13

Note: For specific methodology and point breakdown, see individual area and nomination sheets.

Ranking Strategy On An Inter Area Basis

Inter group ranking was achieved on the basis of the percentile each specific area designation achieved thus assigning an overall rank order based upon these percentiles. This resulted in the following rank order for each specific area nomination:

Overall Rating of Nominations of Areas of Particular Concern

By

Percentile of Maximum Permissible Score

<u>Position</u>	<u>Area Name and Nomination Number</u>	<u>Percentage of Maximum Points Possible</u>
1.	Monroe Port Area - Nom. # 10	95
2.	Erie State Game Area - Nom. # 22	91
3.	Sterling State Park Area - Nom. # 9	90
4.	Erie State Game Area Islands - Nom. # 24	90
5.	Frenchtown Agricultural Area - Nom. #4	90
6.	Woodtick Peninsula - Nom. #23	86
7.	Pointe Mouille State Game Area - Nom. #1	85
8.	Berlin Agricultural Area - Nom. #2	85
9.	Monroe/LaSalle Agricultural Area - Nom. #15	80
10.	Frenchtown Beach Areas - Nom. #7	77
11.	Otter Creek Agricultural Area - Nom. #17	75
12.	Swan Creek Flood Area - Nom. #3	73
13.	Toledo Beach Area - Nom. #18	71
14.	City of Luna Pier - Nom. #19	69
15.	Enrico Fermi Flood Area - Nom. #5	67
16.	Plum Creek Bay Flood Area - Nom. #11	67
17.	LaSalle Flood Area - Nom. #16	67
18.	Consumers Power Plant Area - Nom. #20	65
19.	LaPlaisance Agricultural Area - Nom. #13	65
20.	North Beach/Sterling State Park - Nom. # 8	62
21.	Bolles Harbor/Avalon Beach Area - Nom. #14	54
22.	Erie Township Flood Area - Nom. #21	53
23.	Enrico Fermi Atomic Power Plant - Nom. #6	50
24.	LaPlaisance Creek Area - Nom. #13	48

MONROE COUNTY
COASTAL ZONE MANAGEMENT PROGRAM
GOALS AND OBJECTIVES

MONROE COUNTY
COASTAL ZONE MANAGEMENT PROGRAM
GOALS AND OBJECTIVES

The Coastal Zone Management Plan has as its main purpose, to fulfill the following goals and objectives:

Goals

- A. To bring into harmony the social, economic and ecological aspects of the coastal management area of Monroe County.
- B. To retain the integrity of the Monroe County shoreline.
- C. To develop and promote the adoption of regulations for all areas of particular concern that pertain to Monroe County.
- D. To maximize the recreation potential of the Lake Erie shoreline and its environs.
- E. To develop and promote the adoption of a list of permitted uses for each area of particular concern that pertains to Monroe County.
- F. To encourage the stabilization of the Lake Erie water level.
- G. To encourage the economic development of the Port of Monroe and its environs.

Objectives

- A. To bring into public ownership all areas of ecological importance consistent with the adopted areas of particular concern map and to preserve their natural values for public enjoyment.
- B. To encourage utilization of the Farmlands and Open Space Program, Act 116 P.A. 1970, to conserve all prime agricultural lands in the Monroe County coastal zone.
- C. To encourage structural flood protective solutions in certain areas; especially in the urban and industrial areas.
- D. To evaluate all Flood Hazard areas for Phase II Ecological Importance designations.

- E. To enhance existing Industrial areas for future growth, which may include land reclamation activities.
- F. To protect the shorelands from further erosion.
- G. To develop existing and future recreation areas to their fullest level, and to acquire and develop those areas that are potential ones.
- H. To protect from further erosion and keep in a natural state all island designations.
- I. To conserve open space where available.
- J. To evaluate cost/benefit studies that have been done relative to flood protection strategies particularly for coastal communities lacking capital intensive facilities to determine the feasibility of an evacuation strategy.

ACTION PROGRAMS

To encourage the fulfillment of the CZM Goals and Objectives the following action programs are to be initiated by the CZM staff as endorsed by the Task Force.

Short Range Programs

1. To develop a model CZM Ordinance for Monroe County, to include permitted uses for each area of concern or district.
2. To work with all Coastal Communities in bringing about unified plans and regulations within Monroe County.
3. To re-evaluate and update the existing plan that the CZM Task Force had put together.
4. To evaluate the CZM plan to all plans in Monroe County to create a harmony and consistency among them.

Ongoing and Long Range

1. To analyze and review all projects which affect the Monroe County Coastline.
2. To work with all parties in developing the maximum economic potential of the Port of Monroe area while at the same time maintaining and enhancing its environmental integrity.
3. To develop and aid in regulating a sound clean water program for Monroe County.
4. To adopt and promote a resolution to bring into public ownership all areas of ecological importance consistent with the adopted areas of particular concern map and to preserve their natural values for public enjoyment.
5. To analyze and review all reports that concern Monroe County's coastline, or those reports which could affect it.
6. To encourage the development of structural flood protection devices for those areas along the coastline of Monroe County in need of flood protection; especially in the urban and industrial portions.
7. To review and comment on all Coastal Zone Management nominations concerning Monroe County.

APPENDIX A
Guidelines For Designation
Of
Areas Of Particular Concern

A. Criteria already specified for the 14 areas of particular concern are:

1. Flood Hazard Areas

The Federal Insurance Administration, as part of the flood insurance program, is in the process of designating flood risk areas along the Great Lakes shoreline. Designation of flood risk areas will be based on determinations that an area is within the 100-year flood plain of the Great Lakes; that is, for the area in there exists a one percent probability of a flood occurring at any particular point in time. Preliminary designation based on historical data of Great Lakes flood risk areas has been completed and maps are available from the Federal Insurance Administration. Final designation will be based on engineering studies conducted at those sites where preliminary designations have been made. These studies are now in process and should be completed within two years.

The designation of flood risk areas of particular concern should conform to those areas designated by the Federal Insurance Administrator. It will be useful as the information becomes available from the on-going engineering studies to define those areas where critical flood areas occur. For the purpose of general designation as an area of particular concern, the 1-year flood plain appears to be more than adequate.

2. High Risk Erosion Areas

As part of its responsibility under the Shorelands Protection and Management Act (Act 245 of 1970, as amended) the Michigan Department of Natural Resources has used a two-step process to identify high risk erosion areas.

- A. Step I involved a field check of Great Lakes shorelands to determine if certain physical conditions existed. An area was considered likely to be a high risk erosion area if it exhibited at least two of the following characteristics:

- vegetation removed
- narrow beach
- flat beach
- bank slumping
- turbidity of adjacent waters
- damaged erosion control structure
- damaged land structure
- protective works present
- unusual angle of repose

- B. Step II involved the use of past and recent aerial photos to document bluff recession in those areas identified as potential high risk erosion areas in Step I. If it is determined from this process that bluffs have receded at an average rate of at least one foot per year and the area is designated as a high risk erosion area.

3. Areas of Ecological Importance

- A. Marshes lakeward or landward of the ordinary high water mark that have capacity as: i) A production, brood rearing, feeding, resting or migration habitat for waterfowl and/or other migratory birds. ii) A traditional waterfowl hunting area. iii) A habitat supporting a significant furbearer population.
- B. All open water areas (from the water's edge to a depth of 20 fathoms) that have submerged aquatic plants that are important to waterfowl .
- C. Areas of the upland along the shoreline that have any or all of the following wildlife values: i) A staging or stopover point for migratory birds. ii) A gull or tern nesting colony or a heron rookery. iii) An eagle or osprey nest. iv) Valuable habitat for deer, furbearers, hawks, owls, game birds, songbirds and/or threatened or endangered animal species.
- D. Marshes lakeward or landward of the ordinary high water mark which:
 - i) Are significant fisheries for important sport and/or commercial species, or provide spawning and/or nursery areas for important species. ii) Support significant fisheries through management, or have potential for providing significant spawning and/or nursery areas for important species.
- E. All open water areas from the water's edge to a depth of 20 fathoms that are: i) Traditionally important sport and/or commercial fishing areas where important species concentrate. Or, known spawning or nursery areas for important fish species. ii) Potentially valuable fishing areas where management efforts are currently underway to develop the fishery, or potentially good spawning and nursery area for lake trout or other expanding fish populations. iii) Valuable fish habitat areas not now providing a sizeable fishery and not currently under management, but with significant fishery values for future development.
- F. Upland or wetland areas supporting: i) Threatened or endangered plant species. ii) Latitudinally displaced plant species or aggregations of these species, which occur because of the climatic influences of the Great Lakes.
- G. Marsh and other wetland areas, not necessarily of high wildlife or fish value, but functioning as a natural water quality and flood control mechanism through regulation of nutrient release and water exchange between lake and shore.

4. Natural Areas

The Wilderness and Natural Areas Act (Act 241, P.A. 1972) is currently the most important tool at the state level for protection of natural areas. Guidelines established by the Act and the Wilderness and Natural Areas Advisory Board will be used to select those natural areas of particular concern in Michi-

gan's coastal zone. Natural areas by definition may be an area of land, water or both which:

- a) Have retained, have reestablished or can readily reestablish natural character.
- b) Possess one or more of the following characteristics:

Unusual flora or fauna

- 1) Biotic, geological, physiographic or paleontological features of scientific or educational value or
- 2) Outstanding opportunities for scenic pleasures, enjoyable contact with nature or wilderness type of experiences (solitude, exploration and challenge).

In addition, the area must meet the criteria under one of the following categories:

A. Wilderness areas

- 1) Large size: Has 3,000 or more acres of state land or is an island of any size.
- 2) Primitive: Generally appears to have been affected primarily by forces of nature with the imprint of man's work substantially unnoticeable.
- 3) Wilderness recreation: Has outstanding opportunities for solitude or a primitive and unconfined type of recreation.
- 4) Notable natural features: Contains ecological, geological, or other features of scientific, scenic or historical value.

B. Wild Areas:

- 1) Size: Is less than 3,000 acres of land.
- 2) Wilderness to nature observation type of recreation: Has outstanding opportunities for i) personal exploration, ii) challenge, or iii) contact with natural features of the landscape and its biological community.
- 3) Wilderness-like: Possess one or more of the characteristics of a wilderness area.

C. Research Natural Areas:

- 1) Educational or scientific natural area: Has retained or reestablished its natural character, or has unusual flora and fauna or biotic, geologic, or other similar features of vegetational or scientific value, but it need not be undisturbed.
- 2) Verified by scientists: It has been identified and verified through research and study by qualified observers.
- 3) May be sub-unit: May be coextensive with or part of a wilderness area or wild area.

D. Nature Study Areas:

- 1) Must have essentially the same characteristics as a research natural area.
- 2) Adaptive to development and use of facilities for conservation, education and nature study or much more intensive use than research natural areas.

E. Managed Natural Areas:

- 1) Same as for research natural areas.
- 2) An ecosystem that is maintained at a chosen state of development or is brought to a desired stage of development by the use of cultural techniques or controls over a short or long period of time. These controls are known to favor the maintenance or the development of a particular biological community or may be designed to preserve or restore a desired plant or wildlife species.

5. Recreation Areas

- A. Existing shoreland recreation areas and facilities.
- B. Sites that have been identified by State and regional agencies for further acquisition and development.
- C. Those areas which have been identified, by State agencies as being areas with high recreation potential even though State acquisition or development has not been recommended for the near future.

6. Historic and Archaeologic Sites

- A. Is it connected with an event resulting in significant contributions to the pattern of history or prehistory?

- B. Is it associated with an important phase of growth or decline of a local society or movement?
- C. Is it associated with the lives of historically significant persons?
- D. Is it associated with important contributions to science, technology, politics, the arts, or humanitarian causes?
- E. Does it embody distinctive characteristics of type, period or method of construction?
- F. Does it represent the work of a master?
- G. Does it possess high artistic value of unusual and unique workmanship?
- H. Is it one of a kind?
- I. Is it part of a Great Lakes bottomland containing ship wrecks?
- J. Is it at least 50 years old (this criteria could be overruled) ?
- K. Is it a district or group of structures or other objects which individually are not unique but which taken together represent a certain historic scene or way of life?

It should be emphasized that these criteria can be used for preliminary identification of historic and archaeological sites of importance at state as well as regional and local levels.

7. Sand Dune Areas

Sand dune areas will be defined as those geomorphic features composed primarily of unconsolidated sand, whether wind blown or of other origin. Of particular concern will be the following dunes:

- A. Perched sand dunes or other dunes of dramatic relief.
- B. Exhibiting unusual flora or geologic qualities.
- C. Experiencing intensive recreational use.
- D. In a natural state and deserving of protection from consumption uses including residential development and mining activity.
- E. In need of reclamation due to past removal of sand and/or vegetation.

8. Islands

Islands will be considered as areas of particular concern in essentially two ways, depending on their size, physical characteristics, degree of development and primary resource values.

A. Extensions of Mainland

For most large islands with relatively diverse biological communities and stable physical characteristics, areas of particular concern will be the same as those for mainland shorelands. That is, those areas of inland shoreline having characteristics described in the other areas of particular concern reports will be treated in the same way as the mainland areas.

B. Designated in Their Entirety

If data is available to show that an island possesses unique physical or biological characteristics, it will be considered as an area of particular concern in its entirety. Quite obviously, if an island in its entirety or nearly so meets the criteria of one of the other areas of particular concern, it will also be included in its entirety.

9. Coastal Lakes, River Mouths and Bays

A. Coastal Lakes (directly connected with the Great Lakes by natural or man-made waterways).

- 1) Connected lakes with an established importance as spawning and habitat areas for Great Lakes Fish species, or importance to waterfowl and other marsh life.
- 2) Connected lakes supporting marinas and docking facilities for commercial shipping and recreational boating of a total or partial Great Lakes nature.
- 3) Connected lakes where changing Great Lakes water level has substantial impact (i.e. increased erosion, flooding, etc.).

B. River mouths. Because of a need to protect fish and wildlife habitat, the continuance of development pressures and the potential impact of upstream discharge on the Great Lakes, all Great Lakes coastal river mouths should be designated as areas of particular concern. Designation would focus management attention on the actual river mouth and its surroundings and highlight the potential impacts of upstream discharge on the Great Lakes.

C. Bays

- 1) Bays of high value as fish and wildlife habitat.
- 2) Bays of heavy recreational use.
- 3) Bays with a high degree of existing and potentially conflicting uses.
- 4) Bays where water quality has been reduced by over-development and discharge.

10. Urban Areas

Urban areas of particular concern will be defined as those parcels of land which are:

- A. Vacant and adjacent to the Great Lakes or connecting waterways; or,
- B. Occupied by structures in need of rehabilitation or redevelopment; or,
- C. Occupied by structures that no longer contribute significantly to the tax base of the community; or,
- D. Occupied by uses that do not require or are not enhanced by a shore location; AND located within the boundaries of:
- E. An urbanized area as defined by the Bureau of Census adjacent to the Great Lakes or connecting waterways (See Appendix A):
 - 1) Central City of 50,000 or more
 - 2) Surrounding closely settled territory. This will include incorporated places of at least 2,500 inhabitants, unincorporated areas provided that each has a closely settled area of 100 housing units or more, or small parcels of land less than one square mile having a population density of 1,000 inhabitants or more per square mile.
- F. Those central urban areas of 2,500 inhabitants or more incorporated as cities or villages adjacent to the Great Lakes or connecting waterways (see Appendix B).

11. Mineral Resource Areas

- A. Demand for the mineral on a local, state or international level.
- B. Quality of the deposit.
- C. Quantity of the deposit.

- D. Minability.
- E. Amenability to concentration and processing.
- F. Availability of water, energy supplies, economical transport and other mineral commodities necessary in processing.

12. Agricultural Areas

Those lands defined as farmlands according to the land eligibility requirements for the Farmland and Open Space Preservation Act (Act 116, P.A. 1970), or portions thereof, falling within the coastal zone boundary:

- A. A farm of 40 or more acres, in one ownership, which has been devoted primarily to an agricultural use.
- B. A farm of 5 acres or more in one ownership, but less than 40 acres, devoted primarily to an agricultural use, which has produced a gross annual income from agriculture of \$200 per year or more per acre of cleared and tillable land.
- C. A farm designated by the Department of Agriculture as a specialty farm in one ownership which has produced a gross annual income from an agricultural use of \$2,000 or more.
- D. Parcels of land in one ownership which are not contiguous, but which constitute an integral part of farming operations being conducted on land otherwise qualifying as farm land.

13. Prime Industrial Areas

Vacant, undeveloped or under utilized lands and structures that may be particularly well suited for industrial users, especially those which require a waterfront location. These areas may offer water transportation opportunities for the movement of raw materials or manufactured products. Also, they may offer the availability of a large and inexpensive water supply. In existing industrial areas, related service areas and utilities and surface transportation facilities may also be in place.

14. Water Transportation Areas

Ports and related facilities associated with waterborne transportation. Docking and mooring areas, storage facilities, ferry routes and landings, shipping channels, and related land and water facilities in the coastal zone may be nominated.

APPENDIX "B"

Public Meeting Transcripts
And
Newspaper Accounts

Minutes

Monroe County Coastal Zone Taskforce Meeting

PLACE: Frenchtown Township Hall

DATE: March 11, 1976

TIME: 3:30 p.m.

MEMBERS PRESENT:

Max M. McCray - Port of Monroe

Tom LeGendre - Consumers Power

John Powell - Estral Beach

Darryl Smith - Berlin Township

Mayor Clyde Evans - Luna Pier

Edward Daniels - Frenchtown Township

George Matthews - Detroit Edison

Larry Liebold - Lake Erie Advisory Commissions

A. John Richwine - Monroe Township

William Frey - Erie Township

Ronald F. Nino - Monroe County Planning Commission

John Iacoangeli - City of Monroe

OTHERS PRESENT:

David J. Brouwer - SEMCOG

Bill Walsh - D.N.R.

Maurice W. Roach - Wayne County Planning Commission

A.C. McCormick - Lake Erie Advisory Commission

John Chascsa - Monroe County Rod and Gun Club

Frank J. Nagy - Monroe County Planning Commission

1. The meeting was called to order by Mr. Ronald Nino at 3:40 p.m. Mr. Nino then asked if the proposed Membership List adequately represented the interests along the Monroe County Shoreline of Lake Erie.

Mr. McCray felt that more representatives should be on the committee to include: more industry, marinas, and home owner associations.

Mr. Nino commented that too large a committee could cause problems and that our meetings were open to the public should these individuals or groups want specific interests acknowledged. Marinas and home owner associations are private and individualized and they are too numerous to include in the taskforce. It was also brought up that the Township or Municipal representative would speak for the concerns of all interested parties in his jurisdiction.

2. The next item on the agenda was for the election of a chairman to head the taskforce. Mr. Nino nominated Richard Micka as a possibility to head the committee and it was seconded by Mr. Larry Leibold.

Mr. McCray then asked that the nominee be someone other than Mr. Micka, as his concerns are more oriented toward one specific goal. The chairman should be one of a more general background and interests along the coastline.

This item was then tabled momentarily by Mayor Evans as he wanted to find out what the specifics or purposes of this meeting were and to go into item number three.

3. Mr. Nino introduced Mr. Bill Walsh from the Department of Natural Resources who presented the Michigan Coastal Zone Management Program Outline.

This outline consisted of:

1. purpose
2. basic premises
3. Michigan Program Development
4. Major Regional Agency participation
5. three principal tasks
6. Coastal Zone Management Boundary
7. direct and significant uses
8. control of direct and significant uses
9. area of particular concern
10. implementation
11. schedule

Following Mr. Walsh, Mr. Nino introduced Mr. David Brouwer who is the Staff representative from SEMCOG.

Mr. Nino then introduced Mr. Maurice Roach from the Wayne County Planning Commission and also representing the Wayne County Shoreland Taskforce, who gave a brief rundown of their efforts over the past year or so to implement a program of Shoreland Management along the Detroit River. This group covers an area from Lake St. Clair south along the Detroit River to the mouth of the Huron River.

Following Mr. Roach the discussion on the appointment of a Chairman was continued with Mr. McCray nominating Mayor Evans for the position. This was seconded by M. LeGendre.

However, further discussion on the interests of Mr. Richard Micka, in regard to the position of Chairman, ended in the nominations be postponed until the next meeting which is to be held at the Frenchtown Township Hall on March 18, 1976, at 1:00 p.m.

4. At this time, each person present stood up and introduced himself and told which organization he represented.
5. Mr. Nino then adjourned the meeting at 5:10 p.m.

Minutes

Monroe County Coastal Zone Taskforce Meeting

PLACE: Frenchtown Township Hall

DATE: March 18, 1976

TIME: 1:00 p.m.

1. The meeting was called to order by Mr. Nino at 1:10 p.m.

Frank Nagy of Staff called the roll and informed the Taskforce that there was a quorum present.

2. Mr. Nino introduced Mr. Fred Clinton from the Michigan Department of Natural Resources - Coastal Zone Section. He talked on his department's roll in the Coastal Zone Management Program as it relates to the State. This is to identify those areas of particular concern along the shoreline which extend 1000 feet in from the Ordinary High Water Mark.

Mr. Clinton introduced Dick Sikkenga of his staff who, through a slide presentation, outlined the procedures of the Shorelands Management Programs into the following steps:

1. Identification of areas
2. Property ownership
3. Field inspection
 - a) map boundaries
 - b) evaluate fish and wildlife habitat
4. Prepare individual management plan
5. Confer with local units
6. Confer with property owner
7. Informal meeting with property owner
8. Evaluate comments
9. Formal designation

He also showed the appeals procedures for property if local property owner did not agree with the State. They are:

1. Make protests to D. R. N. within eight weeks of formal designation
2. Hearing granted
3. Hearing held four-eight weeks of receipt of protest
4. Natural Resources Commission makes decision
5. If not satisfied still can go to circuit court

Chuck Wolverton, from D. N. R., showed how they analyze Environmental area by the following criteria:

1. Marshes
 - a) caitail
 - b) sedge
 - c) brush
2. Shallow water and mud flat areas
3. Sand spits and reefs
4. Islands
5. Upland areas

He then followed by outlining the uses of the environmental areas by the following list:

1. Nesting
2. Buy fish for spawning
3. Rearing of young
4. Acid in feeding
5. Migration
6. Overwintering

Fred Clinton ended the presentation by the D. N. R. in going over Act 270 Shoreland Management Program on how it affects local units of government to include zoning ordinance amendments.

He explained that his boundary designation extended landward 1000 feet from the O. H. W. M. (Ordinary High Water Mark). Monroe County's O. H. W. M. is 571.6 feet.

He further outlined the three areas in Monroe County that the State has designated as areas of particular concern. They are:

1. Pt. Mouilee
2. Erie State Game Area
3. Ford Marsh - City of Monroe

Bill Walsh talked on the roll of the Taskforce in conjunction with the D. N. R. Program.

3. The next item of business was the election of a chairman.

Richard Micka nominated John Iacoangeli. Jim Jones stated two had been nominated the previous meeting. John Iacoangeli then nominated Richard Micka and Mayor Evans nominated Max McCray. Jim Jones suggested a dual chairmanship which was seconded by Richard Micka. Ron Nino supported this type of proposal but amended it to the top two vote getters.

The first vote ended in a three way tie and on the second vote Richard Micka and Max McCray were elected co-chairmen.

4. As it was getting late, the meeting adjourned. The next meeting was set for April 1, 1976, at the City of Luna Pier.

Minutes

April 29, 1976

Monroe County Coastal Zone Management Taskforce Meeting

1. Mr. Richard Micka called the meeting to order at 1:40 p.m..
2. Mr. Frank J. Nagy of Staff made a brief update of map and made reference to the extension of time for the CZM Program in Southeast Michigan, from six to eight weeks.
3. Mr. Nagy of Staff then opened discussion of flood hazard areas and outlined them. Areas of discussion were: Estral Beach/Frenchtown area, City of Monroe, LaSalle and Erie Township areas. Some discussion over the designation of Estral Beach as flood hazard was made by Mr. John Chascsa, of the Lake Erie Advisory Committee, concerning the long time residency of some people out there and that it could be flood proofed.

Mr. Nino commented on, the flood hazards vs urban classification, as it related to Estral Beach. He then made note that in areas not committed or having sewers that the flood hazard's designation was best suited for it at this time.

Mr. Richard Micka brought up the nominations for areas of particular concern that had been prepared by the LEAC, Lotus Garden Club, Monroe County Rod and Gun Club, and the United States Fish and Wildlife Society.

Mr. Nagy confirmed nominations for areas of particular concern and stated that areas nominated are consistent with preliminary designations of flood hazards.

Mr. Nino commented on the State Phase II Program which could further delineate these areas as environmental importance. After much discussion, it was moved by Mr. Fred Keesler, Monroe County Health Department, to approve of preliminary designation of flood hazard areas with public approval. It was seconded by Mr. Jim Jones of Detroit Edison. Motion was passed with Mr. Michael Putnam, of Consumers Power Company, voting against it.

4. Industrial Areas

Mr. George Anderson of Ford Motor Company was present and expressed the concern of his company as to the nomination of Ford property, by the DNR, for an ecological area of particular concern. He would like to see the Department in an industrial classification.

Mr. John Tomaro, also of Ford Motor Company, made mention of the fact that the property, since the high water, has not shown the water plants (Lotus Plants) in some years.

Minutes
April 29, 1976

Mr. John Iacoangeli, of the City of Monroe, stated that this problem should be resolved between Ford and the State of Michigan, and he also said that he would like to see this area classified as urban; as in his mind, an urban designation could also include industrial uses.

Mr. Anderson of Ford Motor Company went along with this idea.

Mr. Nino stated that he could see an industrial use in an urban designation, but if they would go urban for the area, why not go industrial.

Mr. McCray interjected that in a recent directory by the State on Marine Transportation that included industrial parks, Monroe's Port area is the only one in the State that could be served by rail, highway or boat. No other area has all three modes of transportation in 67 industrial park sites.

Mr. Putnam of Consumer Power Company stated he would like to see a dual designation for lands in Luna Pier as industrial and flood hazards.

Mr. Nagy of Staff stated that an area could have only our designation and that this designation was the one best suited for it.

Mr. Jones of Detroit Edison advised Taskforce that Item 16, Fly Ash Pit area, would be used in forty to fifty years and that his company would prefer an industrial designation.

Mr. Micka agreed with an urban designation of area.

Mrs. Jeanne Micka commented on Professor Doxiodos' report, from Detroit Edison, stating that marshes in the Great Lakes have a need and that industry and ecology can live together.

Mr. Jim Jones stated that the Edison Fly Ash Pit be put in with industrial classification and Item 13.

Mr. Anderson of Ford Motor Company wanted company's property (Item 10) in industry too.

Mr. John Iacoangeli made a motion that, under recreation designation, it should read or include future recreation properties. It was seconded by Mr. Richard Micka. Motion was passed with Mr. McCray voting no.

It was brought up that definition of urban area be made by Staff.

Mr. John Iacoangeli made a motion that Items 10, 12, 13, and 22 be postponed until the next meeting. Mr. Micka seconded the motion. Motion was passed.

The next meeting would be Thursday May 6, 1976, at 1:30 p.m. at the Planning Commission's Conference Room.

Mr. Jim Jones moved for adjournment at 3:32 p.m.. It was seconded by Mr. Micka.

The meeting was adjourned.

In response to a question from Mr. Micka, Mr. Nagy explained that the area of Plum Creek Bay was nominated about seven times, for various areas of concern, through the public nomination process.

Mr. Jones introduced a motion to accept the transcript of the public hearing. The motion was supported by Mr. Straub.

Mr. Kuron spoke to the committee regarding the hot water discharge created by the Detroit Edison Company. He advised the committee members that they should read the minutes from the meeting which was held at Howard Johnsons.

Mr. Nino told the committee that he is not sure how far Staff will be able to go with Phase Two, but will probably get into the following areas: (a) specifics of what land uses will be permitted, (b) if particular areas of concern should be recreational and flood-proofing areas of urban concern, and (c) finding the best method of floodproofing. Mr. Nino said that they may also get into model zoning.

Mr. Kuron told the committee that he wished Mr. Nino could put the previous statements down in writing because he has been asking questions like these for years and has not been able to get the answers. Mr. Kuron also suggested sending out questionnaires to homeowners so that we can find out what property owners would like to see taking place.

Mr. Brouwer told the committee that we will have to get the ratings in to SEMCOG by June 29th.

5. The meeting was adjourned at 3:05 p.m. by Chairman Micka. It was decided that the next meeting will be scheduled for July 8, 1976.

MONROE COUNTY COASTAL ZONE MANAGEMENT TASKFORCE

Minutes

May 6, 1976

1. The meeting was called to order at 1:30 p.m. by Richard Micka.
2. Mr. Nagy gave definition on Urban area, as outlined in Areas of Particular Concern in Michigan Coastal Zone, second draft. Basically, it stated a more density-prone state; population, number of houses, people per square mile.

Mr. Putnam of Consumers Power Company expressed interest in a more precise definition as to specific uses; i.e., commercial uses, industrial uses.

The H.U.D. 100-year flood boundary on map, stating that the City is to approve some of the areas, was outlined by John Iacopelli. They would lessen the amount of land in flood areas, as outlined by H.U.D.

Richard Micka spoke on the H.U.D. Flood Insurance Program as consideration for making nominations.

Ronald Nino stated that all urban users are those that are heavy users of the land and that the H.U.D. Flood Program has no bearing on the decisions of this committee.

Mr. Anderson of Ford Motor Company stated that a changing of the land could also change the use of it and that the management proposals of this committee could preclude the development of certain lands.

Mr. Nino agreed that management proposals will change, or make to change, the local zoning ordinances. He further stated that the Taskforce was jumping to management proposals before we had identified the area.

Mr. Jones of Detroit Edison still wanted a firmer definition of "urban".

Max McCray noted that the County Board of Commissioners is in the process of developing an Economic Development Plan. It is in session now. From this, Monroe County could get industry and jobs. An industrial marine area could need thousands of acres of land, and Monroe's port area is one of the prime marine industrial sites in the State.

Mr. Putnam noted that he would like the area north of Consumers Power Plant in Erie to be for industrial purposes.

Mr. Jones consulted with Consumers Power Company and Ford Motor Company in regard to whether they would go along with urban designation of their lands. Both responded, saying they would not and that they preferred industrial designation.

At this time, Mr. Jones made a motion stating that areas 12 and 13 be industrial. Mr. Frey of Erie Township supported the motion. Motion carried. Richard Micka, ney.

A motion was introduced by Max McCray stating that Item Ten be included with Item 13. John Richwine supported the motion.

Mr. Jones requested that most of Item 16 be included in industrial, also.

Mr. Putnam moved that part of Item 22 be added to Item 23 for industrial designation.

Mr. Jones then moved to amend the previous motion to state that Item 10 and most of Item 16 be added to Item 13 as industrial, and that part of Item 22, south of Rapideau Drain, be added to Item 23, in the City of Luna Pier, for industrial designation. The motion was supported by John Richwine. Motion carried. Richard Micka, ney.

3. High Risk Erosion (areas)

Frank Nagy identified the north shore of Sterling State Park and the Woodtick Peninsula as an area of critical erosion process over the years.

A motion was made by Jim Jones stating that these areas be so designated. The motion was supported by Fred Keesler. Motion carried.

4. Recreation Land

Frank Nagy identified three areas for recreation:

- 1) The Sterling State Park area west to I-75.
- 2) The D.N.R. property on the north side of LaPlaisance Creek.
- 3) The northern part of Luna Pier and the southern area of LaSalle Township south of North Shores.

Jim Jones made a motion that the areas be so designated. Harold Straub supported the motion. Motion carried.

5. Coastal Lakes, River Mouths, and Bays

Mr. Nino pointed out that the 209 Water Quality Program would handle this and he suggested that it be deleted.

A motion was made by Max McCray for the deletion of Item 8. Mr. Akos of LaSalle supported the motion. Motion carried.

6. Island

It was pointed out by Mr. Nagy that islands in the Maumee Bay area are the only areas identified.

Mr. LaBeau of Frenchtown introduced a motion to approve designation. The motion was supported by Harold Straub. Motion carried.

At this time, designation of areas of particular concern was completed. The next phase was to write nominations, rate nominations by area of concern, and then by overall rating of the County.

The next meeting was set for May 20, 1976 at 1:30 p.m. in the Conference Room of the Monroe County Planning Department.

Minutes

May 20, 1976

Monroe Coastal Zone Management Taskforce Meeting

1. The meeting was called to order by Mr. Max McCray at 1:30 p.m..
2. The minutes of the previous meetings, April 29 and May 6, were approved by Mr. Laboe and seconded by Mr. Jones.
3. Mr. Leibold asked to read a minority report on behalf of Mr. Micka, but it was objected by Mr. Jones. It was agreed that the report be passed out. Mr. McCray commented that it would be too lengthy to read, but that the five-page letter attached be made part of the minutes by reference. Every member received a copy of the report. The action to receive and file the report was approved by Mr. Laboe and seconded by Mr. Smith. No one objected.
4. Mr. Frank Nagy gave a brief update on the time schedule for nominations to be finalized by the Taskforce. He stated the inventory should be turned in by June 15, 1976 and the complete and final copy should be in by August 1, 1976.
5. Mr. Nagy gave a review on nominations for areas of particular concern by the Lake Erie Advisory Committee, Lotus Garden Club, Monroe County Rod and Gun Club, and the U.S. Fish and Wildlife Services. He stated that specific management proposals would have to be made on nominations.

Mr. Ron Nino commented in regard to public nominations. He suggested that the Taskforce go on record as receiving these nominations and to advise that to the extent they are consistent with the Taskforces' action they are recognized.

Mr Nagy advised that Mr. Vanslambrook, a representative of the Union Camp, would like a statement to be read into the minutes. There was no objection. The letter was read, and it recommended that the land remain in an industrial designation. Further discussion took place.

Mr. Max McCray commented that Staff will make sure that every member receives a copy of the public nominations, and they would review them at a later date for compliance with the actions already taken by the Taskforce.

It was moved by Mr. Evans and seconded by Mr. Straub that the Taskforce acknowledges the receipt of public nominations and that those inconsistent with the approved Taskforce Nomination, be deemed "not acceptable". Motion was carried.

Mr. Nagy stated the Staff made a preliminary breakdown on ranking areas. He stated that the nominations will be printed and mailed out for the next meeting.

Minutes

May 20, 1976

Mr. Laboe recommended that the Planning Department continue their good job and made recommendations relative to inter and intra ranking force of particular concern for the next meeting.

The next meeting on June 10 at 1:30 p.m., it was decided would be devoted to discuss the ranking of the Taskforce's 24 nominations. A Public Hearing will be held at either the Monroe Township Hall or the Frenchtown Township Hall. Staff will further look into this matter. The results of this public hearing permitting, will be discussed at our June 10 meeting.

Mr. Laboe moved that the meeting be adjourned at 2:55 p.m.. It was seconded by Mr. Keesler.

The meeting was adjourned.

COASTAL ZONE MANAGEMENT TASKFORCE

MINUTES

DATE: June 9, 1976

MEMBERS PRESENT: Mr. Brouwer, Mr. Jones, Mr. Richwine, Mr. Kuron,
Mr. Chichester, Mr. McCray, Mr. Chascsa, Mr. Felder,
Mr. Anderson, Mr. Straub, Mr. Micka, Mr. LaBeau.

MEMBERS ABSENT: Mr. Smith, Mr. Powell, Mr. Iacoangeli, Mr. Akos,
Mayor Evans, Mr. Frey.

PUBLIC PRESENT: Mrs. Bailey

STAFF PRESENT: Mr. Nagy, Mr. Nino

1. The meeting was called to order at 1:40 p.m. by Mr. McCray.
2. Chairman Micka called for a motion to accept the minutes from the previous meeting. The motion was introduced by Mr. Straub and seconded by Mr. Richwine. Mr. Micka asked the committee members if there were additions or corrections to the minutes and Mr. LaBeau then called attention to the misspelling of his name. Mr. Micka then raised a question in regard to Paragraph 5, item five, and Mr. Nagy, in response, explained that all nominations will be included.

Mr. Jones told the committee that in regard to Paragraph 3, he was not objecting - just questioning.

At this time a vote was taken to accept the minutes. All were in favor. Motion carried.

3. Mr. Nagy explained to the committee the nominating process and also the rating procedure. He noted that Staff first reviewed the ranking order by specific groups and then analyzed each area of importance. The criteria was then established.

John Chascsa addressed the committee, noting that the port area is a multipurpose area. He further added that it has a great environmental atmosphere.

Mr. Nino told the committee that one problem that exists is that we've excluded environmental values and they should be considered. He also added that Monroe should take the position that we have done our share of preserving the coastal line and the good judgment of the industrialists should be depended on. Mr. Nino also suggested that industry may be frightened off by environmental meandering throughout industrial areas because of the heavy

responsibility of the paper work that industries are charged with.

Frank Kuron commented on the Port of Monroe and said that citizens are leary of industrialists' judgements because of incidents that have taken place in the past.

John Chasca addressed the committee and said that industry is not all bad but not all good. He further stated that industry must get along with the people in order to survive.

Mr. Nagy then told the committee that the overall rating of the nomination was done on a percentile basis from the score by their group and put in a declining rank from highest to lowest.

At this time, Mr. McCray suggested a motion to accept the methodology approach and it was supported by Mr. LaBeau. Before voting on the motion, Mr. Straub raised a question on Nomination #7, "D", and Mr. Nagy explained that sewer and water were used as criteria. Mr. Nino told the committee that there is a typographical error and "D" should read, "percentage of developed land". A vote was then taken. All were in favor. Motion carried.

Mr. Brouwer spoke to the committee members and stated that the committee should be more specific in management proposals. He further noted that we are in the management development stage at the present time. SEMCOG is trying to provide the state with general information. The question was then raised by a committee member as to why SEMCOG asked for just seven suggestions and Mr. Brouwer explained that seven is just a number picked at random.

Mr. Nino told the committee that this project is part of next year's budget and he would like to do the least amount of work possible on the project this year. Mr. Nino then told the committee that he feels staff can handle three areas of concern. Mr. Brouwer then explained that SEMCOG is interested in conclusive information.

Mr. Jones introduced a motion directing staff to proceed with as many areas as they feel they can handle. The motion was supported by Mr. Straub. All were in favor. Motion carried.

4. The transcript of the public hearing was reviewed, and Mr. Nagy explained that in most instances the plan was adopted. An area of debate was the LaSalle Game Area (it could be utilized as a recreational area). Mr. Nagy then added that the Coastal Zone Act states that C.Z.P.'s must be done. It was noted that the Corp cannot act contrary to the Coastal Zone Plan. Mr. Morris then addressed the concern of State water levels and said that he feels it is something that the Coastal Zone Management Taskforce should consider.

Mr. Nagy told the committee that at the public hearing Mr. Collino stated that he would like to make sure that no more utilities are allowed along our shoreline.

Minutes

Public Hearing on Coastal Zone Management Nominations

Place: Monroe Township Hall

Date: June 8, 1976

Time: 7:30 P.M.

1. Mr. Max McCray opened the meeting at 7:30 p.m. and welcomed the people who are in attendance. He introduced himself and gave a brief summary of the conception of the CZM Taskforces' doing so far:

- a) When it started
- b) Who makes up the Taskforce
- c) How many meetings we have had
- d) Where we have had them

He also went into a brief discussion of the nominations that we have made and the proposed map that is before them tonight for the recommendations and comments. At this time he turned the meeting over to Mr. Ronald Nino of the Planning Department.

Mr. Nino gave a brief history behind the Coastal Zone Management Program in Monroe County; how it was started as part of the Federal Coastal Zone Management Act of 1972 (P.L. 92-583). He also mentioned the jump that the State of Michigan had in adopting the Shorelands Protection and Management Act (Act 245, of P.A. 1970). Although they seem alike, the Federal Act supercedes the State Act; but the State Act can be incorporated in the State Coastal Zone Management Plan. Mr. Nino also pointed out that reasons for the formation of the Taskforce, as they related to the DNR and SEMCOG, and what our committee's objectives are. He then turned the meeting over to Mr. Frank Nagy of Staff to show the nomination process that we used.

Mr. Nagy pointed out the boundary indentifications of the Coastal Zone Management Area as it relates to Monroe County and made note of the modification to the Coastal Management Area boundary as it relates to the Southeast Michigan region; that being the first road of major consequence inland from the ordinary high water marsh.

At this time, he reviewed a little of what Mr. McCray had stated about the Areas of Particular Concern and identified all 14 areas of concern, from Agricultural to Urban areas. After identifying the areas, he went through each area individually and pointed out the criteria that had to be used to identify these areas. As Monroe County's shoreline is relatively flat and not too many uses are located along its shores, not all 14 areas were used in the nomination process. He then went through the list of nominations on the map starting out with the Berlin Township, Pointe Mouillee Game Area and concluding with the nominations of Islands of Particular Concern in the Erie State Game Area.

At this time Mr. Nino gave a few final words on the nomination process and asked the audience what its feelings were toward the Taskforce's nominations and for their comments.

Public Hearing Questions

Mr. John Chascsa - M.V.C.C. He asked how we arrived at a 95 percent for item 10, Port of Monroe area.

Mr. Nino commented that this was part of our methodology for a ranking of priorities first within a specific area and then as it related to an overall ranking. He also mentioned that the question asked has no bearing on this meeting and that it will be on the agenda for Thursday's meeting.

Mr. Leroy H. Stein - LaSalle Township. He asked why wasn't the LaSalle Game Area included in the ecological area instead of Recreation.

Mr. Nagy of Staff commented he didn't know that was dedicated as a Game Area and if he would so chose, he could make a nomination himself. Public Nomination forms were passed out. His comments would be aimed at the next CZM meeting.

Mrs. Dorothy Bailey asked if the Ford property was nominated for industrial purposes.

Mr. Nagy commented on this and stated the Taskforce has nominated it Industrial. Presently the State of Michigan DNR has nominated it an Ecological Area. He also made mention of Union Corp. marsh lands. Mrs. Bailey agreed with the Taskforce's decision, and she wanted areas 11 and 12 defined.

Mr. Nagy stated area 11 was of Flood Hazards north of Dunbar Road, and area 12 was nominated for agricultural purposes.

Mr. Anthony Collino - Monroe Township wanted the Plumb Creek Bay Area put in Recreational due to boat usage and not to allow steel plants or power plants to be put along our shores.

His comments were taken into advisement.

Mr. C. J. Roelant - Berlin Township asked about the Farmland designation and what it meant to a landowner if he wanted to sell his land. He also had comments on the Act 116, Farmland and Open Space Program.

Mr. Nino stated that if it was outside of the sewer or water service area and not consistant with the township plan, that it should not be allowed to happen.

Mr. Daryl Smith - Berlin Supervisor backed up Berlin nominations but pointed sewer and water service area south of Swan Creek to be shown.

Mr. George Morris - Monroe Township asked the immediate flood protection be implemented along the Lake Erie shoreline and that the Taskforce strive for stable lake levels.

Mr. Nino agreed with his comments but stated that planning is a process, and it will take some time to implement these tasks. Nothing could be done tomorrow.

Mrs. Jo Vick - Avalon Beach commented on son's-in-law property at Detroit Beach; that it is under water and should be put into a recreational classification.

Mr. Nagy said he knew the area and gave her a Public Nomination Form.

Mr. Jack L. Champion - Monroe Township asked about permanent diking, and if the plan has to be adopted.

Mr. Nino stated diking could not come tomorrow, and this plan must be adopted or a plan with management goals and policies in order to attain permanent diking faster.

Ms. Marlene Miller concluded the public hearing by asking if lots could be sold, or were there restrictions.

Mr. Nino said yes, lots could be sold by the owners and there were no restrictions.

Mr. McCray then ended the public hearing thanking those who attended.

PUBLIC HEARING

Place: Monroe Township Hall Subject: CZM Plan
Time: Seven-thirty p.m. Date: June 8, 1976

<u>Name</u>	<u>Representing</u>
Mr. George A. Anderson	Ford Motor Company
Mr. Russel P. Breyfogle	Self
Mr. Jack L. Champion	Real Estate II
Mr. William A. Hunt	University of Michigan
Mr. Leroy H. Stein	Self
Ms. Marlene Miller	Self
Ms. Doloris Morris	Self
Mrs. Jo Vick	Self
Mr. John Iacoangeli	City of Monroe
Ms. Dorothy Bailey	Monroe Township
Mr. Lawrence Geto	Monroe Township
Mr. J. L. Jones	Detroit Edison Company
Mr. F.E. Agosti	Detroit Edison Company
Mr. C. J. Roelant	Berlin Township, Landowner
Mr. Darryl Smith	Berlin Township
Mr. Kenneth Chichester	Consumers Power Company
Mr. John Chasca	M.V.C.C. Lake Erie Advisory Committee
Mr. R.G. Micka	Lake Erie Advisory Committee
Mr. James Duffy	Commissioner, County Board
Mr. George Ehman	Commissioner, County Board
Mr. George Morris	Self
Ms. Dorothy Morin	Self
Mr. Max M. McCray	Port of Monroe

Coastal Zone Study To Start

What are the "areas of particular concern" along the Monroe County coastline?"

The county planning department is to make some suggestions in that regard at the instruction Thursday of the Monroe County Coastal Zone Management Task Force.

Made up of representatives from coastal communities and industrial and environmental interests, the task force was formed at state suggestion to get local involvement in preparing a statewide coastal zone management plan.

The idea is to identify lands along the Great Lakes of special concern and to make recommendations for managing them.

There are 13 categories of special areas: flood hazard; ecologically-sensitive; natural; recreation; historic and archeologic; sand dune; island; coastal lake, river mouth and bay; urban; mineral resource; agricultural; prime industrial, and water transportation.

The planning department is to suggest coastal lands that fit those categories and then give priority to areas within each category, in terms of their need for management.

For example, Frank Nagy of the department said that the Port of Monroe probably would be given the highest priority under the water transportation classification.

The task force is to discuss the department recommendations at its next meeting, 1:30 p.m. April 15 in the planning commission conference room, Monroe County Services Building.

The area outlined as the Monroe County coast generally includes lands east of I-75, from Ohio to the freeway's interchange with N. Dixie Highway. From there north, it includes lands east of N. Dixie and U. S. Turnpike.

Mr. Nagy said that any citizens can nominate an "area of particular concern." They can do that by contacting their local coastal government officials, he said, such as the township supervisor, city mayor or village president.

He said citizens should note the specific area that they want to nominate; give its physical characteristics; indicate which type of area they would like it to be classified as; and recommend how it should be managed to keep it in that classification.

County Shoreline Ideas Conflict

A number of local organizations and individuals, along with the federal Fish and Wildlife Service, have called for preserving extensive areas of Monroe County's coastline.

The Monroe County Coastal Zone Management Task Force has been sent some 28 suggestions for categorizing different portions of the coast, almost all of them calling for preserving some part of it.

Many of them are at odds with the task force's suggestions.

The task force was formed at state recommendation to get local input on the preparation of a statewide coastal zone management plan, which in turn will form part of a national plan.

County planning officials serving as staff for the task force have said the state will make the final determination on the plan.

As part of its work the local group must identify coastal areas of particular concern for any of a number of reasons — environmental, industrial, urban, flood hazard, agricultural, high-risk erosion, recreation — or any of a number of other categories.

Where the task force's and private nominations conflict with each other is generally in the Monroe metropolitan coastal area, where some private groups would prefer an environmental classification in specific areas that the task force has suggested for industrial.

For example, some of the private nominations call for preserving parts of the Plum Creek area. Marshes east and west of the Monroe Chassis Division, Ford Motor Co., also are at issue.

Ford wants its land east of the plant kept in an industrial classification, and the owner of the marsh west of the plant, Union Camp Corp., made it known at Thursday's task force meeting that it wants the same classification for those lands.

Among groups and individuals making nominations were the Lake Erie Advisory Committee, the Lotus, Garden Club, the Monroe County Rod and Gun Club, Joseph P. Kletman of Birmingham, Associated Yacht Clubs, Inter-Lake Yachting Association, Great Lakes Basin Commission, Michael Richards of Detroit and the federal Fish and Wildlife Service.

Fish and Wildlife nominations account for almost half of those submitted.

Should Land Near Ford Plant Be Saved for Environment?

Should Ford Motor Co. be required to preserve some 250 acres of wetlands it owns east of the Monroe Chassis Division or should the land be retained as an industrial site?

That question is currently being debated among Ford and state officials, in light of the state identifying the acreage as an environmental area under the Shorelands Protection and Management Act.

However, the designation hasn't been made final yet, and Ford has objected to any change in the status of the land. It currently is zoned heavy industrial by the City of Monroe, which has not as yet taken a position on the matter.

Fred Clinton, chief of the Shorelands Management Unit of the Department of Natural Resources, said the shorelands act concerns land located within 1,000 feet from the ordinary high water mark of the Great Lakes.

An environmental designation would mean such land couldn't be developed in any way that would alter its habitat.

Generally, an area is considered "environmental" if it is necessary for preservation of fish and wildlife, Mr. Clinton said.

State water resources

vegetation — including lotus — are located in the area and that there is "some fish activity" in the waters.

"We observed herons and egrets feeding there," he said, and the area is used a stopover point during migrations by waterfowl.

George Anderson of the company's property management division said

both sides are to supply additional information and future meetings are planned.

However, he made clear the company is opposed to removing a "prime industrial site" from that current classification.

The property, adjacent to the Port of Monroe, has "tremendous industrial potential" for the future, he said.

Designating the acreage as "environmental" would preclude any future development plans of the company, Mr. Anderson said.

"To preclude that is not what we consider in the state's best interests," he said.

While one arm of the state is proposing removing a prime industrial site, other arms are encouraging industrial development in the state, he complained.

He said that already 4,000 to 5,000 acres of the Monroe County coastline is in state and-or public ownership.

Mr. Anderson said that the state doesn't intend to provide compensation if the industrial potential of the land is removed.

Compensation isn't authorized in the act as passed by the state legislature.

But he did say it is possible to get tax advantages, if the area is designated environmental, under the state Farmland and Open Space Preservation Act.

Ultimately, the decision for designating the area lies with the DNR director, he said, but he noted there is an appeal

the preparing of a state Coastal Zone Management Plan.

The task force also is suggesting designations of different areas of the county coast, having already taken action on naming flood hazard, agricultural and environmental areas — with the exception of the Ford marshes.

Other categories — in addition to those three — are urban, industrial, high-risk erosion and water transportation areas.

Environmental interests are worried that the wetland areas in the Ford-Port area will be classified as industrial by the task force, though it has made no final decision on Ford marsh area.

One person active in protecting the lotus locally said Thursday that she did not want "another Rouge complex" in Monroe, imposed by people who live outside the community, a reference to Mr. Anderson. Port Director Max McCray and county Planning Director Ronald F. Nino. She said green belts should be mixed with the industry.

Some 18 nominations have been submitted to the planning department, which is serving as staff for the task force for classifying different

in categories, primarily the environmental one.

Frank Nagy of the department said the task force will consider the nominations for specific areas after it has made its general designations.

Anyone can make a nomination, he said.

Eventually, the task force

county Coastal Zone Management Task Force, which is in the process of making recommendations in

The task force is to meet again at 1:30 p.m. Thursday in the planning department at the county Services Building.

The task force Thursday voted to include the nominations in its report, so they — along with the task force suggestions — will be presented at a public hearing to be scheduled, probably some time in June.

In other action, the group listened to staff suggestions for giving priority to areas of particular concern within each category. For example, in the high-risk erosion

category, preventing erosion of Woodtick Peninsula in Erie State Game Area was ranked ahead of doing the same thing at Sterling State Park's north beach.

The task force also is to make recommendations for managing the different coastal areas it has identified in the county. Its next meeting will be at 1:30 p.m. June 10 in planning offices in the county Services Building at E. First St. and Conant Ave.

Conflicts With State on Wetlands Near Ford Plant

Panel Suggests County Land Use

What part of Monroe County's coast should be used for the environment? For industry? For recreation?

What regulations should be adopted — if any — to make sure the lands stay in those uses?

The county Coastal Zone Management Task Force answered the first of those questions. In wrapping up Thursday the first phase of its work.

It suggested land uses for the entire length of the county's shoreline, and in one case it finds itself in conflict with the state.

That concerns what use should be made of wetlands owned by Ford Motor Co. which are located east of the Monroe Chassis Division.

The state has initially identified that land as an environmental area, but the county task force backed Ford in proposing it be used for industry.

In fact, the task force voted to nominate the entire area east of I-75 from Sterling State Park south almost to LaPlaisance Creek for industrial use, along with some Port of Monroe-owned land west of the freeway.

Part of that industrial area consists of the Detroit, Edison

Co., fly ash pits, and an Edison representative, James L. Jones, said he saw no problem in using that area for recreation when the pits are filled, 40-50 years from now.

But while they are being filled, he said the company preferred an industrial designation.

The task force also suggested that Consumers Power Co. lands in Erie Township be designated industrial, including some north of Erie Rd. for additional fly ash pits.

Termed to be of ecological importance were lands generally in and around the

Pointe Mouillee and Erie State Game Areas.

Other categories of land uses, nominated by the task force in different parts of the county coast, were agricultural, flood hazard, high risk erosion, recreation, urban and islands.

The group was formed at state suggestion to get local input in the preparing of a statewide coastal zone management plan, which in turn will form part of a national plan.

A public hearing is to be held eventually on the task force designations

County planning Director Ronald F. Nino, whose office is providing staff for the task force, said that the final authority for outlining land uses on the county coast would be the state.

Private individuals and groups also can nominate uses for areas, and the task force reportedly has received 18 of them, mainly concerned with preserving portions of the county coastal environment.

However, Mr. Nino indicated the state would place strong emphasis on the task force recommendations where they don't conflict with the state's findings, such as in the Ford marsh area.

The next phase of the group's work will be to make recommendations for managing the areas in the different classifications, he said.

The only person casting negative votes on task force suggestions Thursday was Richard Micka, who represents county environmental interests.

He expressed opposition to the extent of industrial area being set aside, though he said later he preferred that to an "urban" classification, which reportedly would

permit almost any type of development.

He said much of the Ford-Port area has been identified as a floodplain by the federal government and that the industrial classification would conflict with that.

The City of Monroe is appealing some of the flood hazard designations, he said.

Other members of the task force said the two issues aren't related.

The area outlined as the county's coast generally includes lands east of I-75 from Ohio to the freeway's interchange with N. Dixie Highway. From there north, it includes lands east of N. Dixie and U.S. Turnpike.

The task force is made up in part of representatives from communities that border Lake Erie.

Other members, in addition to Mr. Nino, Mr. Micka and Mr. Jones, are Max McCray of the Port of Monroe, Donald Brandt of Consumers Power, Harry E. Grenawitzke of the county environmental health office and Harold Straub of the county Office of Civil Preparedness.

Unofficial members include Maurice Roach of the Wayne County Shoreland Planning

Task Force, David Brower of the Southeast Michigan Council of Governments, William Walsh of the state Department of Natural Resources and Sylvester Jones of the U. S. Army Corps of Engineers.

State officials have said the aim of the coastal management program is to guide uses and development along the state's shoreline.

They pointed to continuing coastal problems, such as erosion, flooding, pollution and conflicting uses and said that the coast is being developed at a "breath-taking rate."

In a pamphlet explaining the program, state officials say that eventually assistance could be provided to local governments to prepare local shoreland plans and zoning ordinances, for waterfront renewal, for research and for purchase of easements for unique properties.

Although the local task force has suggested certain uses for the coast here, there are other types of areas of particular concern than can be identified under the coastal program: historic and archeologic areas, natural areas, sand dunes, mineral resource areas, water transport areas and coastal lakes, river mouths and bays.

Hearing Slated on Designations of County's Coastal Areas

A public hearing on determinations made by the Monroe County Coastal Zone Management Task Force is scheduled for 7:30 p.m. Tuesday in Monroe Township hall, 4925 W. Dunbar Rd.

The task force, in its work over the last several weeks, has outlined areas of special concern along the county's coast.

Among those are ecological, industrial, agricultural, urban, flood hazard, high-risk erosion, recreation and island areas.

The group eventually is to suggest ways for managing lands in those categories.

Frank Nagy of the county planning department, which is serving as staff for the task force, said the group's nominations of areas of special concern are basically in accord with local and county land use plans.

The task force was formed at state suggestion to get local involvement in the forming of

a statewide coastal zone management plan.

That plan would have the authority to require local communities to adopt zoning provisions in accord with it, Mr. Nagy said, but he also indicated that the state would place strong emphasis on the county's plan.

In any event, the state will have the final say in designating areas of particular concern, the planners say.

The task force also has been sent some 28 nominations by private and public individuals and organizations suggesting categories for portions of the coast, some of which conflict with the task force recommendations.

The conflict centers on the Monroe harbor area, in which some individual interests have called for preserving certain lands there that the task force has suggested for industrial

use.

An industrial designation by the task force for marsh lands owned by Ford Motor Co. east of the Monroe Chassis Division also is in conflict with the state's identification of that as an environmental area.

About half of the outside nominations sent to the task force are from the U. S. Fish and Wildlife Service, and a number of local environmental organizations have submitted nominations.

The county coast has generally been outlined as including lands east of I-75 from Ohio to the freeway's interchange with N. Dixie Highway. From there north, it includes lands east of N. Dixie and its extension, U. S. Turnpike.

The task force is made up of representatives from communities that border Lake Erie and from the Port of Monroe, Lake Erie Advisory Committee, Detroit Edison Co., Consumers Power Co., the county health department and the county Office of Civil Preparedness.

Its recommendations can be

viewed at the county planning department, located in the county Services Building, 1410 E. First St.

State officials have said the aim of the coastal management program is to guide uses and development along the state's shoreline.

They point to continuing problems, such as erosion, flooding, pollution and conflicting uses and said that the coast is being developed at a "breath-taking rate."

They also say that eventually assistance could be provided to local governments to prepare local shoreland plans and zoning ordinances, for waterfront renewal, for research and for purchase of easements for unique properties.

50/10/1001 28

NOTICE OF PUBLIC HEARING

This is to advise that a Public Hearing will be held on June 8, 1976, at the hour of 7:30 p.m.; at the Monroe Township Hall, 4925 West Dunbar Road, concerning the Monroe County Coastal Zone Management Taskforce's intent to define areas of particular concern along the shoreline of Monroe County pursuant to the Federal Coastal Zone Management Act of 1972 (P.L. 92-583). The purpose of this public hearing is to allow the Monroe County Coastal Zone Management Taskforce to inform the public of its intentions regarding the eventual completion of a Shoreland Management Plan and to give interested citizens, private and public agencies, an opportunity to present their views concerning the criteria being established regarding the plan, and the extent to which persons may be for or against adopting the taskforce's determinations of particular concern.

Interested publics are encouraged to attend said public hearings. Those persons so desirous may view the plan for identifying areas of particular concern in the offices of the Monroe County Planning Commission.

CO CHAIRMAN MAX McCRAY

CO CHAIRMAN RICHARD MICKA

APPENDIX "C"

Task Force Nominations

/

AREA OF ECOLOGICAL IMPORTANCE

Name (if any): Point Mouillee State Game Area
County: Monroe
Township: Berlin
City or Village: Northeast of Village Estral Beach
Town, range and section: T5S, R10E, Sections 23, 25, 26, 35, 36; T6S, R10E, Sections 1, 2 and 11.
Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): Wayne County to the north, U.S. Turnpike, Roberts Road to west, and Lake Erie east and south.

Present Ownership: Private and State of Michigan
Present Use: State game area, rifle range and private vacant land.

Anticipated changes in use or development (within ten year time frame):
No change anticipated except maybe expansion.

Surrounding land-use(s): Agricultural to west, residential to southwest and northwest.

Environmental characteristics:

Nesting by wading birds, shorebirds, dabbling ducks.
Migrations and nesting by geese, and diving ducks.
Spawning ground for many aquatic fish species.
Extensive marsh lands that give refuge to muskrat and mink.

Briefly describe issues relating to this area:

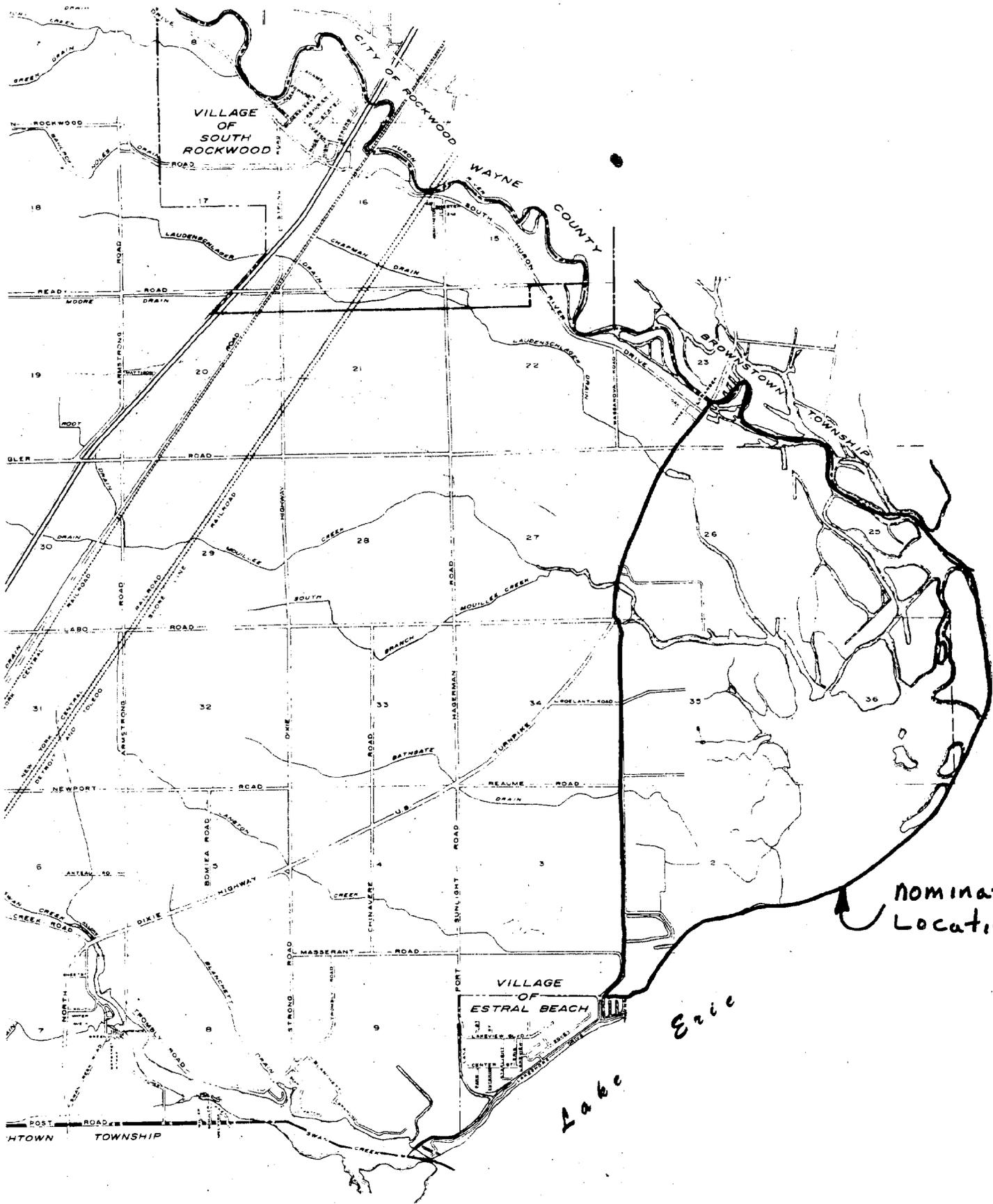
Designated as recreation or open space by both Berlin Township and Monroe County on their Master Plans, already under the ownership of the state in most part as game area. Barrier dike presently under construction to preserve area from harsh water treatment from northeast winds upon Lake Erie. Area surrounding nomination for most feelings is undeveloped.

Briefly describe management needs:

1. Bring into public ownership by acquiring all areas of major importance not yet publically owned and keep it in a natural state.

Other comments:

Prepared by:
Monroe County Coastal Zone
Taskforce
1410 East First Street
Monroe, Michigan 48161



Nomination
Location

Lake Erie

SHEET 1 OF 2 SHEETS

MAP OF:		BERLIN TOWNSHIP	
MONROE COUNTY	PLANNING COMMISSION	MONROE COUNTY, MICHIGAN	

AGRICULTURAL AREA OF PARTICULAR CONCERN

County: Monroe
Township: Berlin
City or Village: Northwest of the Village of Estral Beach
Town, range, section: T5S, R10E, Sections 3 4 T6S, R10E Sections 3, 4, 5, 8 and 9.

Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): North Dixie Highway/U.S. Turnpike on the north, Swan Creek on the south, Port Sunlight Road and the Village on Estral Beach on the east.

Present ownership: Private.
Present Agricultural Use: Primarily corn and wheat with yields between 87-115 bushels of corn per acre and 38-50 bushels of wheat per acre.

Anticipated changes in use or development (within 10 year time frame):
Both water and sewer lines are in the area and their could be urban development in Sections 5 and 8 with partial development in Sections 4 and 9.

Surrounding land-use(s): Residential to the east and west. Mostly agricultural to the northwest.

Briefly describe issues relating to this area:

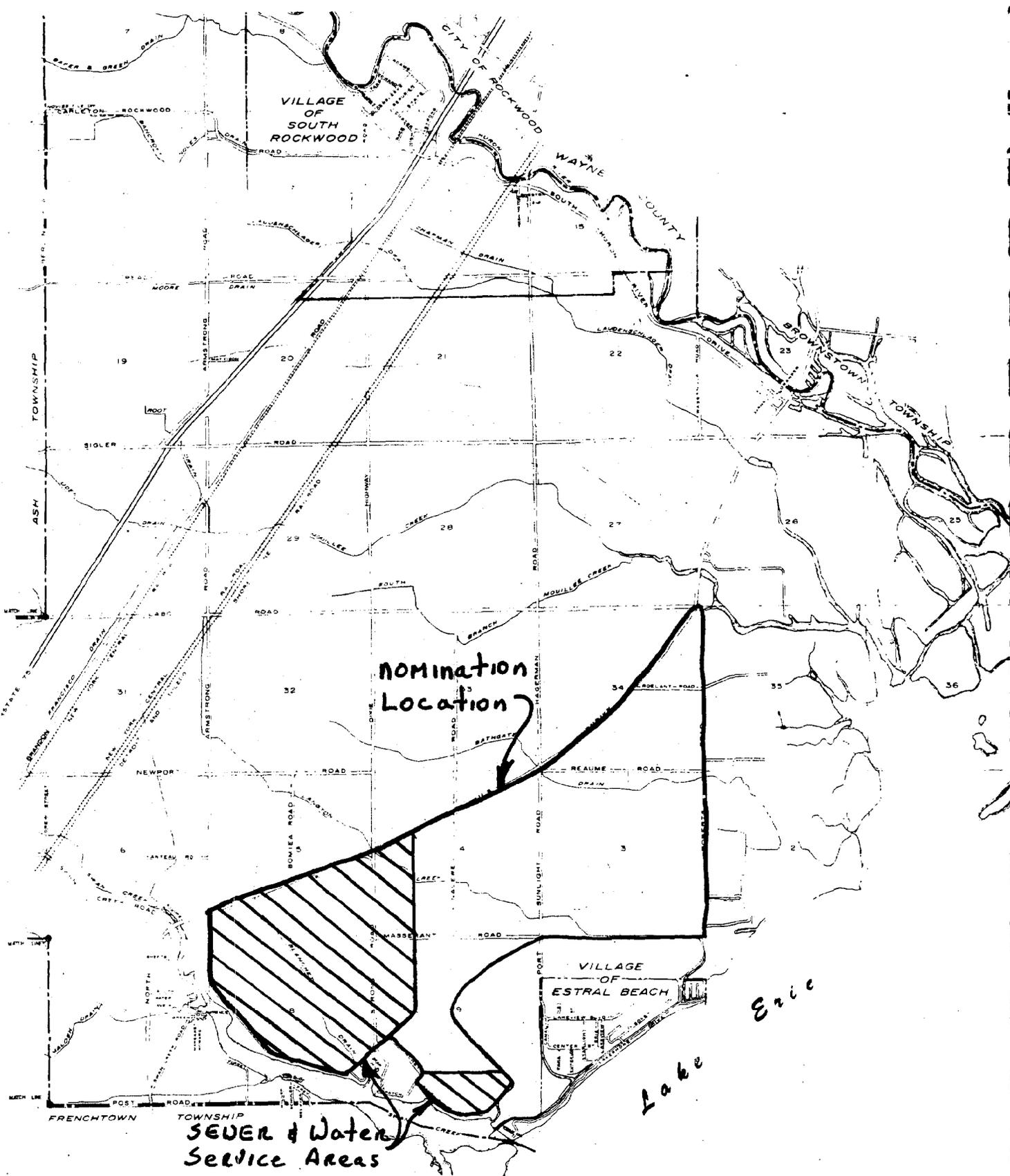
Cash crops such as corn and wheat yield more per acre in these lands than the state average of 68-81 bushels per acre. The existing sewer and water lines will cause some development to the area but will only extend eastward to Trombley Road and its extension north, and along Swan Creek on the south.

Briefly describe management needs:

- 1. Promote Act 116, P.A. 1970 for all prime agricultural land in CZM area.

Other comments:

Prepared by:
Monroe County Coastal Zone Taskforce
1410 East First Street
Monroe, Michigan 48161



FLOOD-RISK AREA OF PARTICULAR CONCERN

County: Monroe
Township: Berlin
City or Village: Village of Estral Beach
Town, range, and section: T5S, R10E, Sections 7, 8, 9 and 10.

Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): Bounded on the south by Post Road and Swan Creek, west by North Dixie Highway, north by Section lines 7, 8, 9 and 10, and east by Lake Erie.

Present Ownership: Private
Present Use: Urban, agricultural and open water or marsh.
Anticipated changes in use or development (within ten year time frame):
Existing sewer and water lines will cause urban development to area.

Surrounding land-use(s): Primarily agricultural with Enrico Fermi Atomic Power Plant to the south of area.

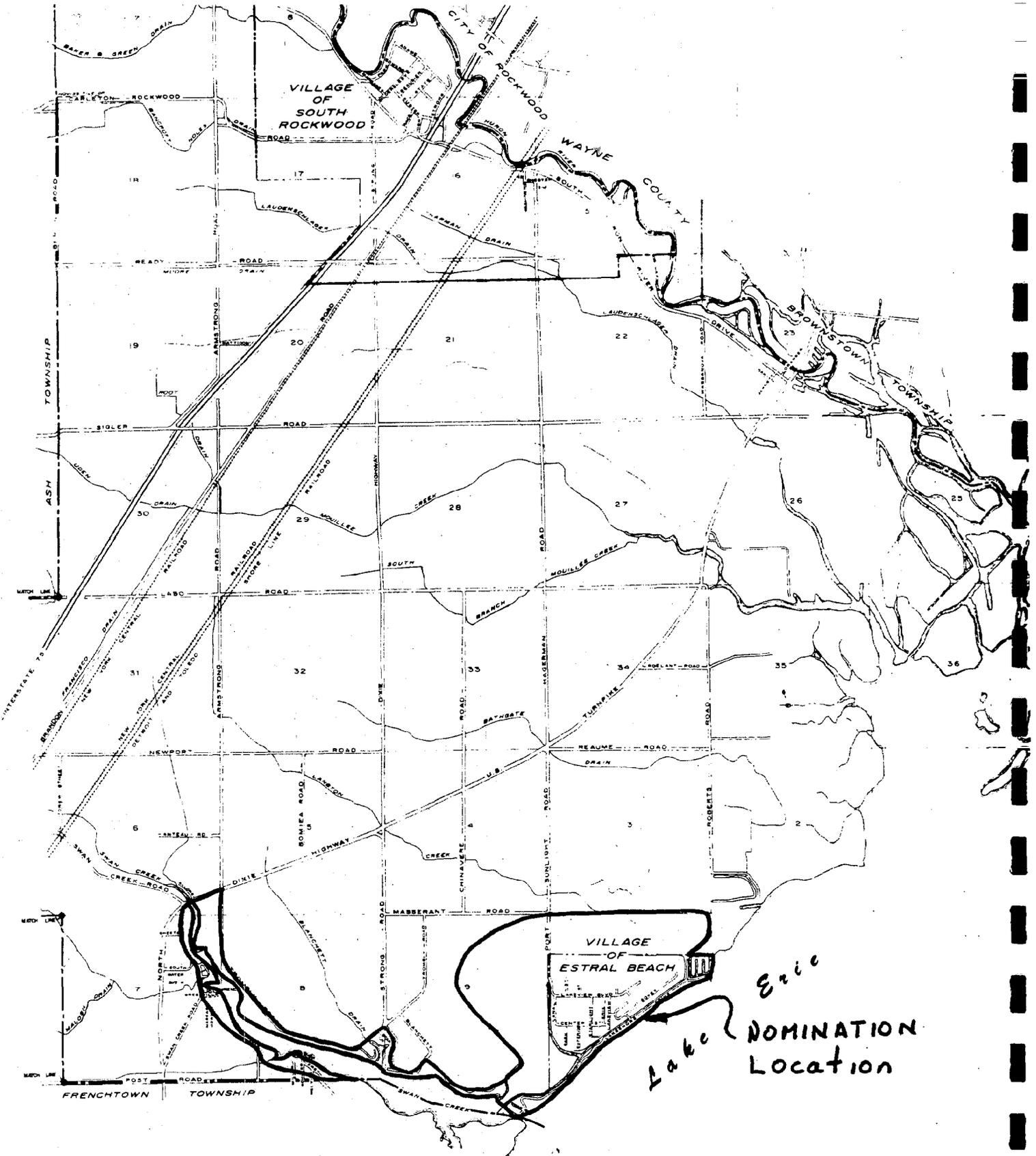
Briefly describe issues relating to this area: Recent high water levels of Lake Erie have caused periodic flooding to the Village of Estral Beach and surrounding areas along Swan Creek. Some land that once could be farmed is now under water, at all times.

Briefly describe management needs:

- 1. Urban Areas -- Provide necessary flood protection.
- 2. Non-Urban Areas -- Evaluate for Phase II Ecological Importance Designations.

Other comments:

Prepared by:
Monroe County Coastal Zone Taskforce
1410 East First Street
Monroe, Michigan 48161



Lake Erie
DOMINATION
Location

SHEET 1 OF 2 SHEETS

BASE MAP OF:

**MONROE COUNTY
PLANNING COMMISSION**



BERLIN TOWNSHIP

**MONROE COUNTY,
MICHIGAN**

THIS MAP WAS PREPARED BY THE MONROE COUNTY PLANNING COMMISSION AS PART OF THE MONROE COUNTY ZONING MAP. THE BOARD OF COUNTY CLERK HAS REVIEWED THE MAP AND FOUND IT TO BE ACCURATE AND CORRECT. THE BOARD OF COUNTY CLERK HAS REVIEWED THE MAP AND FOUND IT TO BE ACCURATE AND CORRECT. THE BOARD OF COUNTY CLERK HAS REVIEWED THE MAP AND FOUND IT TO BE ACCURATE AND CORRECT.

AGRICULTURAL AREA OF PARTICULAR CONCERN

County: Monroe

Township: Frenchtown

City or Village: Southwest of village of Estral Beach.

Town, range, section: T6S, R10E, Sections 17, 18, 19, 20, 30 and 31.

Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): Berlin Township boundary to the north, North Dixie Highway to the west, Brest and Point Aux Peaux Roads to the south and Lake Erie to the east.

Present ownership: Private

Present Agricultural Use: Primarily corn and wheat with yields between 99-124 bushels per acre for corn and 40-50 bushels per acre for wheat.

Anticipated changes in use or development (within 10 year time frame):

Water and sewer lines are in, or a presently going in along the Beach areas. Some development will be seen south of Point Aux Peaux Road. Detroit Edison may expand somewhat

Surrounding land-use(s): Residential to the south and north, (at Enrico Fermi. Industrial (Enrico Fermi) to the east. Agricultural to the west.

Briefly describe issues relating to this area:

The land is presently in agriculture and acreage yields are rather high (higher than the state). Water and sewer lines will not extend beyond Point Aux Peaux Road. Development is not expected to this area until after the year 2000.

Briefly describe management needs:

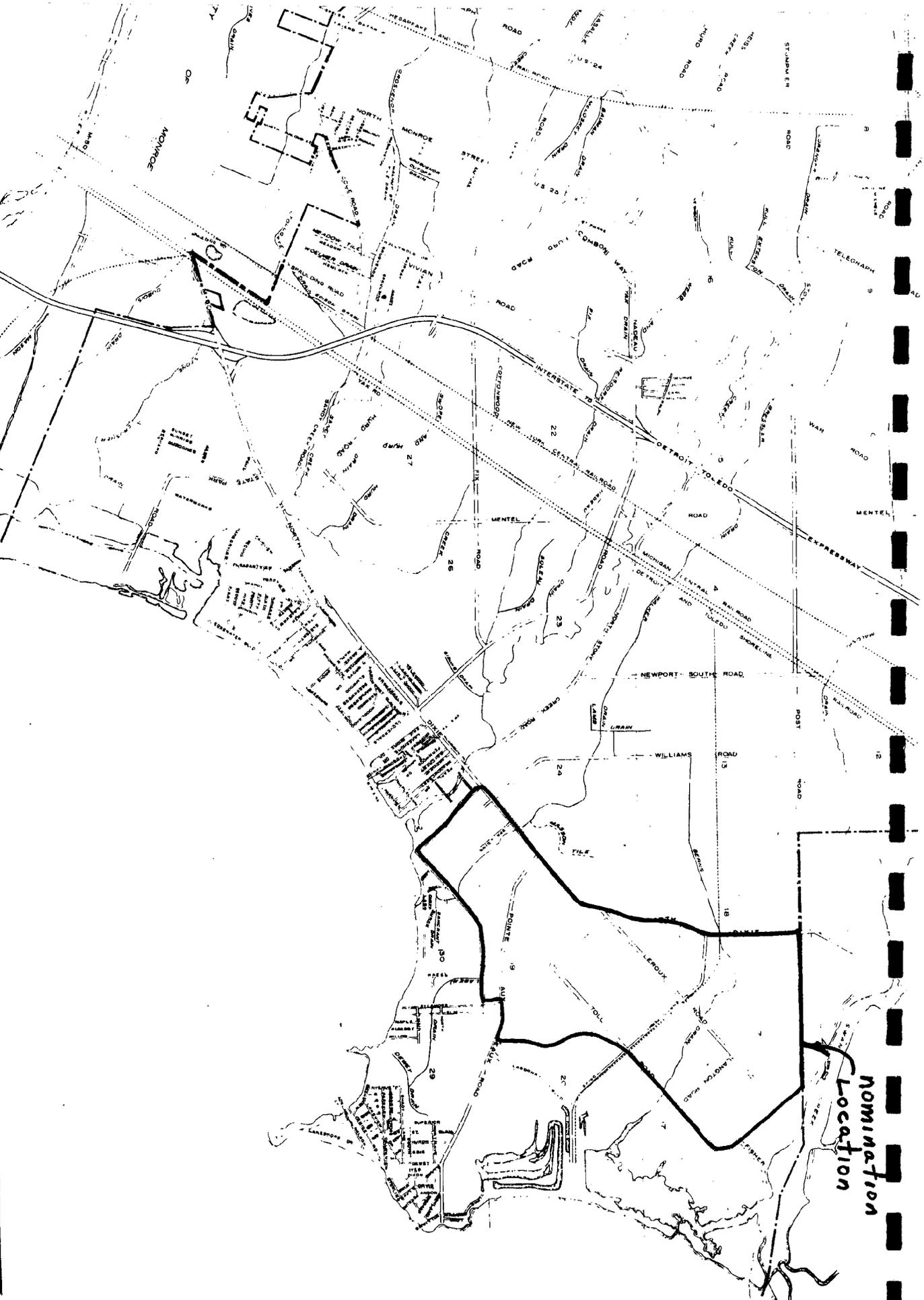
- 1. To promote Act 116, P.A. 1970 for all prime agricultural land in CZM area.

Other comments:

Prepared by:
Monroe County Coastal Zone Taskforce
1410 East First Street
Monroe, Michigan 48161

BASE MAP OF:
MONROE COUNTY
PLANNING COMMISSION

FRENCHTOWN TOWNSHIP
MONROE COUNTY,
MICHIGAN



*nomination
Location*

FLOOD-RISK AREA OF PARTICULAR CONCERN

County: Monroe
Township: Frenchtown
City or Village: South of Village of Estral Beach.
Town, range, and section: T6S, R10E, Sections 16, 17, 20, 21 and 29.

Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): Area bounded on north by township line and Swan Creek, east and south by Lake Erie, west by Toll Road.

Present Ownership: Detroit Edison and Private.

Present Use: Some marsh and open undeveloped land.

Anticipated changes in use or development (within ten year time frame): Detroit Edison has future plans for a Science Center on its holdings, other area to remain primarily the same.

Surrounding land-use(s): Residential development either side of southern extremities. Remaining area in agriculture.

Briefly describe issues relating to this area: Recent high water levels of Lake Erie have inundated these lands leaving some constantly under water. Other areas' area periodically flooded, but usually near those areas where agricultural activities are employed and area predominantly undeveloped and owned by Detroit Edison.

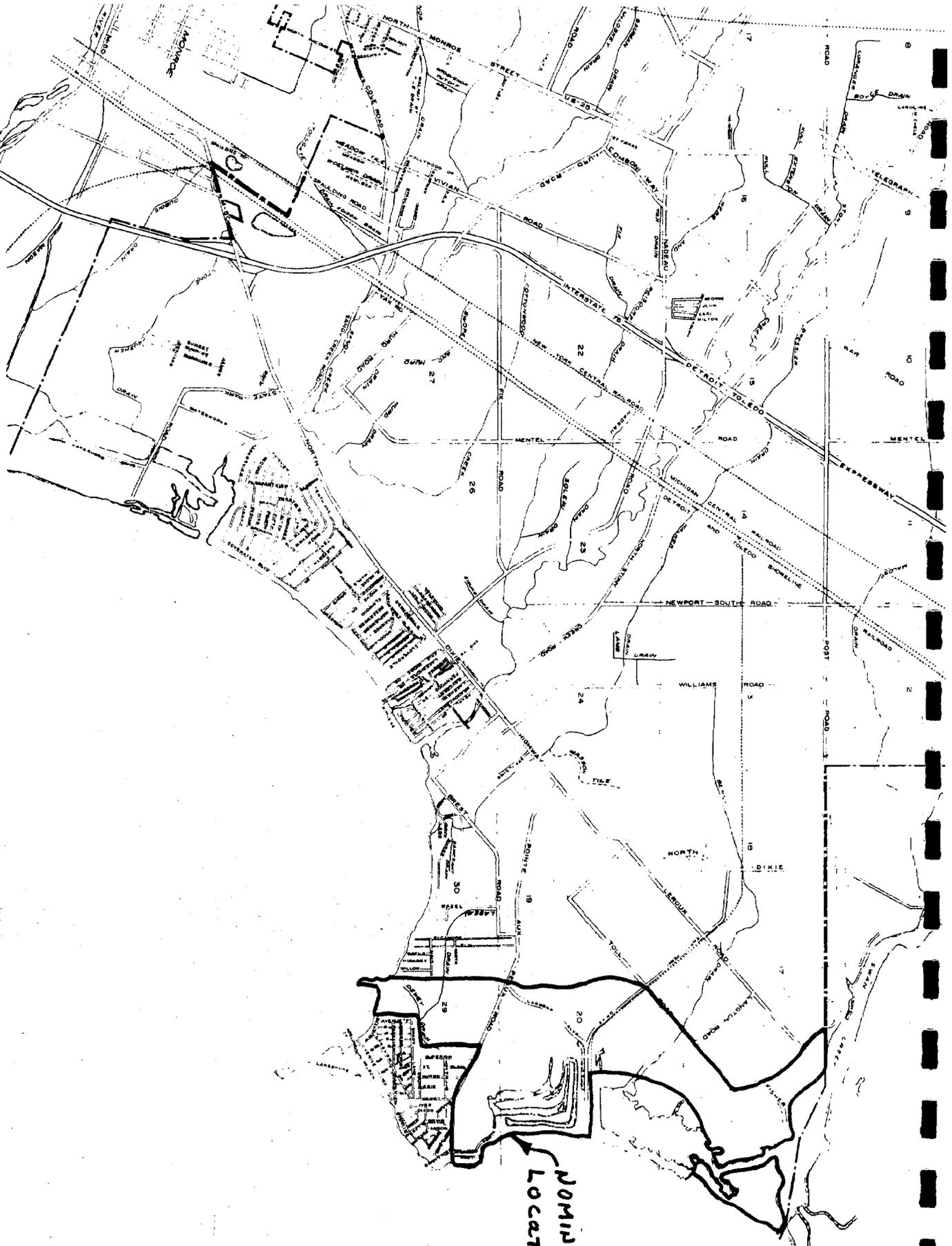
Briefly describe management needs:

1. Urban Areas -- Provide necessary flood protection.
2. Non-Urban Areas -- Evaluate for Phase II Ecological Importance Designations.

Other comments:

Prepared by:
Monroe County Coastal Zone Taskforce
1410 East First Street
Monroe, Michigan 48161

BASF MAP OF:
PLANNING
 MONROE COUNTY COMMISSION
 FRENCHTOWN TOWNSHIP
 MONROE MICHIGAN COUNTY



**DOMINATION
 LOCATION**

INDUSTRIAL AREA OF PARTICULAR CONCERN

County: Monroe

Township: Frenchtown

City or Village: ENE, City of Monroe

Town, range and section: T6S, R10E, Sections 16 and 21.

Easily identifiable boundary features (rivers, streams, roads and political boundaries, section lines): Bounded on the east by Lake Erie, north by Swan Creek, south by Point Aux Peaux Road, and west by Toll Road.

Present Ownership: Detroit Edison Company

Present Use: Enrico Fermi Atomic Power Plant.

Anticipated changes in use or development (within 10 year time frame):

No change in use is expected.

Surrounding land-use(s): Farming is done to the west of the site. To the south, if residential development at Stony Point.

Industrial Characteristics (if known):

Presently the Atomic Power Plant is inactive. In the future it is expected to complete construction of the facility and eventually to start producing atomic power.

Served by rail line and highway.

Briefly describe issues relating to this area: This area is served by rail, but highway is not up to standards for heavy amounts of truck traffic. Its location on Lake Erie is excellent for its need for water to operate, however, surrounding area to west and north has been inundated by high water levels and much marshland has been lost. Erosion problems.

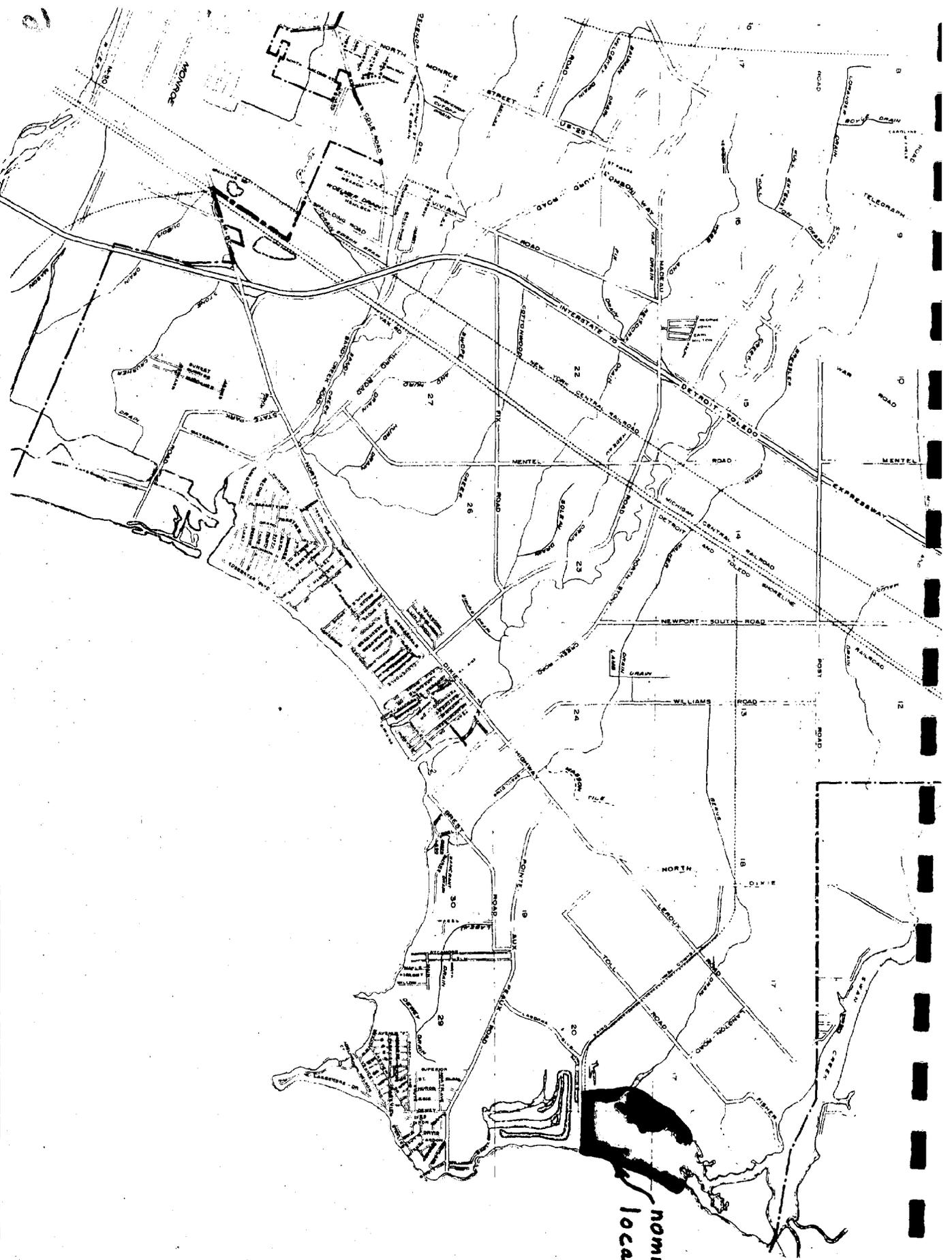
Briefly describe management needs relating to this area:

- 1. To enhance area for future industrial development.
- 2. To provide necessary flood protection -- floodproof.

Other comments:

Prepared by:
Monroe County Coastal Zone
Taskforce
1410 East First Street
Monroe, Michigan 48137

BASE MAP OF:
MONROE COUNTY COMMISSION
PLANNING
MONROE COUNTY COMMISSION
FRENCHTOWN TOWNSHIP
MONROE MICHIGAN COUNTY



*nomination
location*

URBAN AREA OF PARTICULAR CONCERN

County: Monroe

City or Village: NE of City of Monroe (Frenchtown Beach Area)

Site location (adjacent roads, physical features): N. Dixie Highway and Point Aux Peaux Roads on north, Sandy Creek on west, and Lake Erie on east and south.

Present Ownership: Private

Present Use: Primarily residential

Anticipated changes in use or development (within ten year time frame): Some residential development due to water and sewer lines.

Adjacent Land use(s): Recreation to southwest, agricultural to north.

Does present use of this parcel require a waterfront location?

Not necessarily, but people will build as close to water as they can where water is present.

Is it enhanced by a waterfront location?

Yes.

Occupied by structures in need of rehabilitation or redevelopment?

Yes. High water and flooding in recent years has done extensive damage to dwelling units and other structures.

What would be the best use of this parcel of urban waterfront?

For Housing and Recreation.

Briefly describe other issues relating to this area:

This area of Frenchtown is the heaviest populated area of the Township. A mixture of permanent and temporary diking existing along most of the shoreline with the exception of the area between Stony Creek and Stony Point Peninsula. Water lines are already in the area and sewer line construction is underway.

Briefly describe management needs:

1. To provide necessary flood protection
2. To conserve open space where available
3. To bring into public ownership areas lacking sewer and water.

Other comments:

Prepared by:
Monroe County Coastal Zone
Taskforce
1410 East First Street
Monroe, Michigan 48161

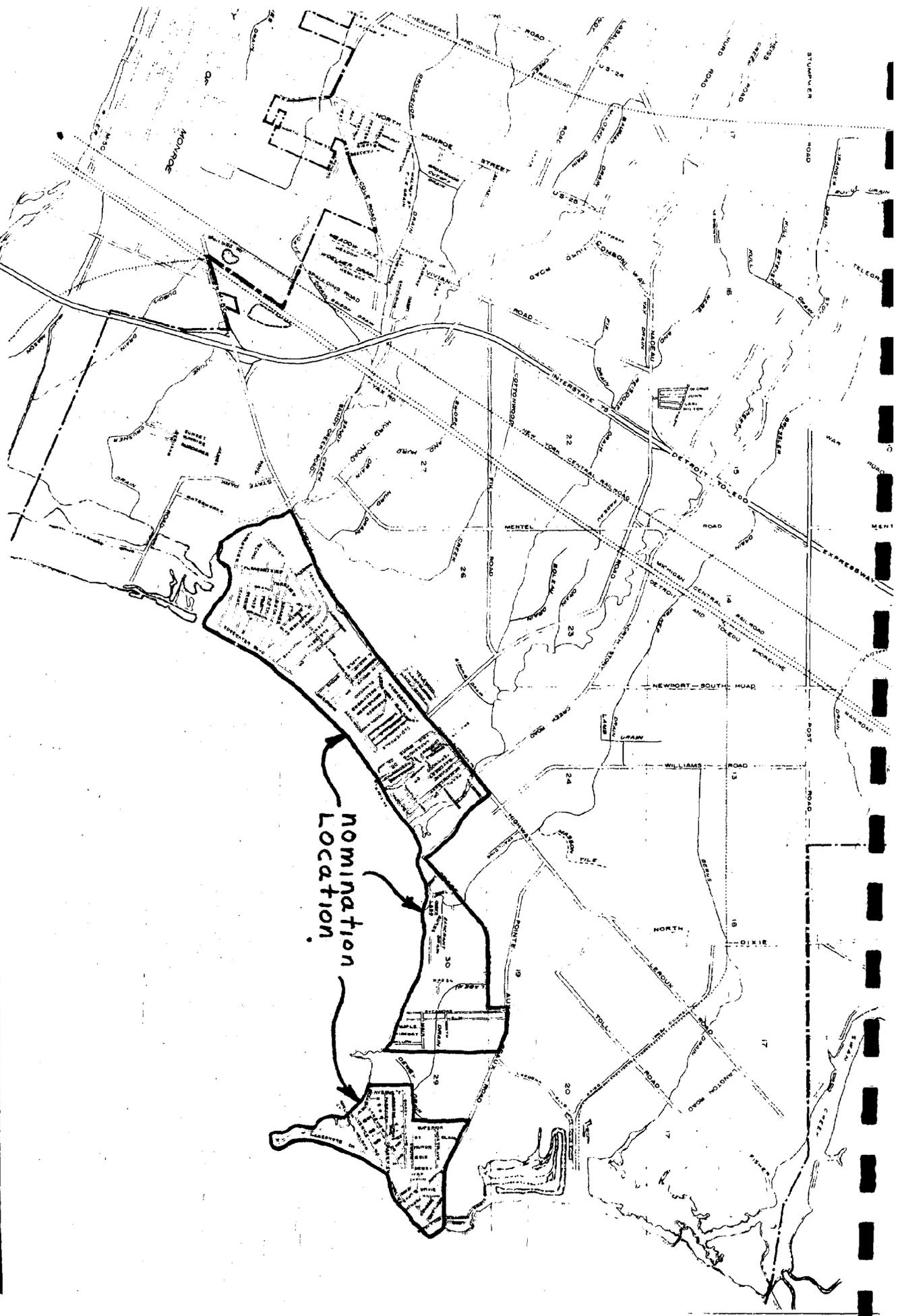
BASE MAP OF:

MONROE COUNTY
PLANNING COMMISSION



FRENCHTOWN TOWNSHIP

MONROE COUNTY,
MICHIGAN



High Risk Erosion Area of Particular Concern

Name (if any): North Shore Sterling State Park

County: Monroe

Township: Frenchtown

City or Village: North of City of Monroe

Town, range and section: T6S, R9E

Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): North by Sandy Creek, West by Waterworks Street, south by State Park Road, and east by Lake Erie.

Present ownership: State of Michigan

Present use: Part of Sterling State Park - undeveloped

Surrounding land-use(s): North is residential as well as to the west, south by industrial development.

Characteristics:

Vegetation Removed -- tree lined barrier beach has eroded away almost completely over the years.

Narrow Beach -- varies between 50-150 feet from 1964 to widths of 200-300 feet.

Length of Beach -- Has shrunken from 2700 feet in 1964 to around 1600 feet in 1975.

Flat beach

Protective Works Present -- None; Lake Erie high water table has caused much marshland to be submerged today. No protective system has been utilized to protect or save these lands.

Briefly describe the issues relating to this area:

Sterling State Park could develop most of the land it holds on Lake Erie. Camping could expand along with boating. Detroit Beach Marina, due north of site could expand if channel were bettered. Difficult to tell water depth in area for large water craft.

Briefly describe management needs:

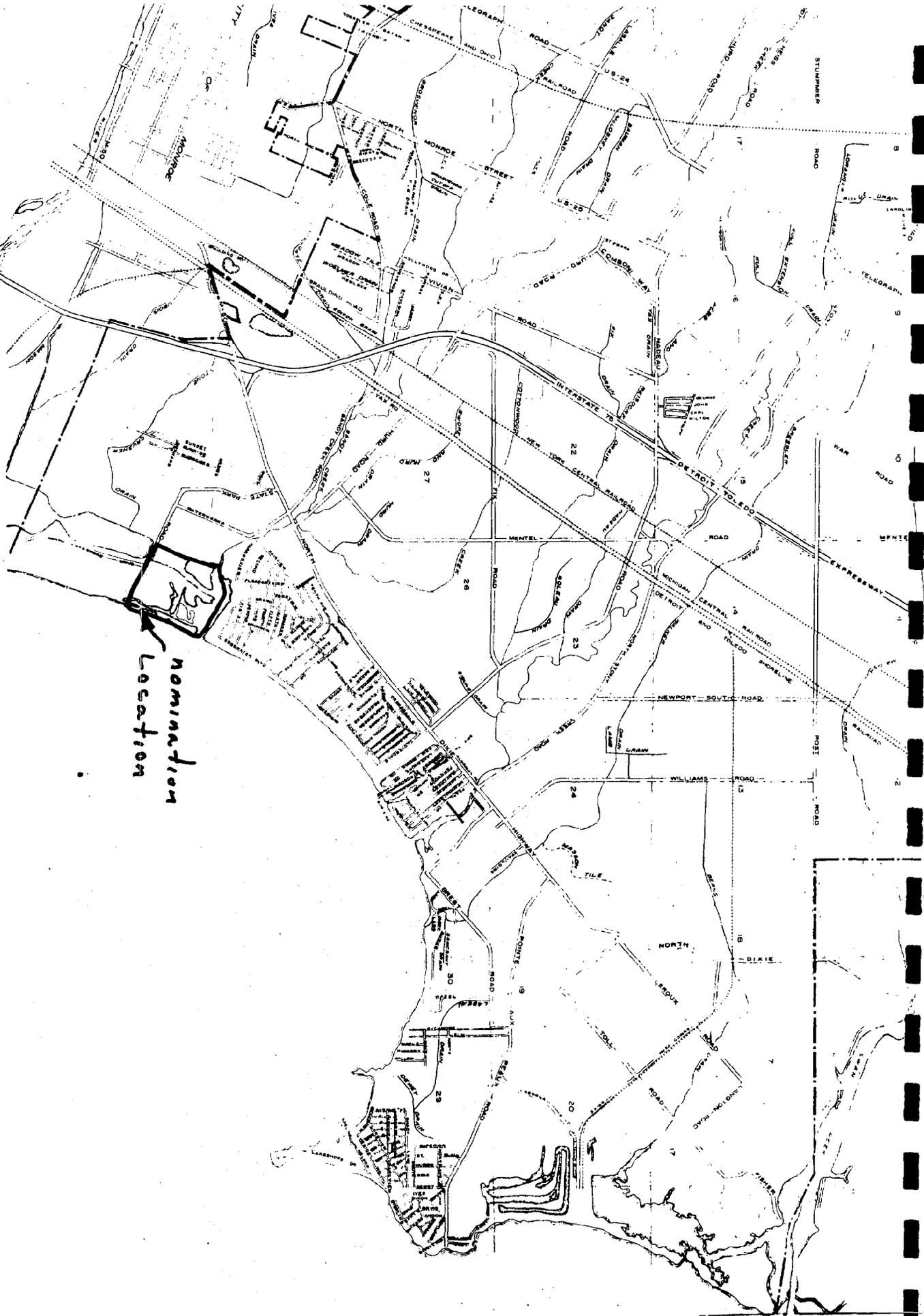
1. Try to protect from further erosion or bring back to original form.

Other comments:

Prepared by:
Monroe County Coastal Zone
Taskforce
1410 East First Street
Monroe, Michigan 48161

BASE MAP OF:
MONROE COUNTY
PLANNING COMMISSION

FRENCHTOWN TOWNSHIP
MONROE COUNTY,
MICHIGAN



*nomination
 location*

RECREATION AREA OF PARTICULAR CONCERN

Name: Sterling State Park Area
County: Monroe
Township: Frenchtown
City or Village: City of Monroe
Town, range and section: T6 and 7S, R9E

Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): City of Monroe Corporation Line, to south, I-75 to the west, North Dixie Highway and Sandy Creek to the north, and Lake Erie to the East.

Present Ownership: Private and Public.
Recreational Use or potential (picnicking, camping, hiking, etc): Picnicking, camping, golfing, fishing, active and passive recreation types, boating, and informative (biological, botanical-science center to natural areas).
Anticipated changes or increases in use or development (within ten year time frame): State will probably add to development of Sterling State Park.

Surrounding land-use(s): Residential and Agricultural to the north, industrial and vacant marsh land to the south, and west.

If the area is not now an established recreation area, briefly describe the physical characteristics of the area which make it particularly suitable for recreational use:

If the area is an established recreation area, briefly describe characteristics (facilities, size, natural features):
There are presently two (2) 19 hole golf courses bordering its western half. Sterling State Park which is presently part developed part undeveloped and contains between 800-1000 acres of land. More than 50 percent of their holdings are water though.

Has the area, or should the area be identified for acquisition and development as a recreation area?
By both Frenchtown Township and Monroe County Master Plans.

Briefly describe issues relating to the area:
This area has the largest park in one ownership (State) and at present time is only partially developed. Two (2) 18 hole golf courses are in close proximity to the State park and except for a subdivision and some agricultural lands, is predominantly recreation oriented.

Briefly describe management needs:
1. To develop existing or future recreation areas to their fullest level, and to acquire and develop those areas that are potential ones.

Other Comments:

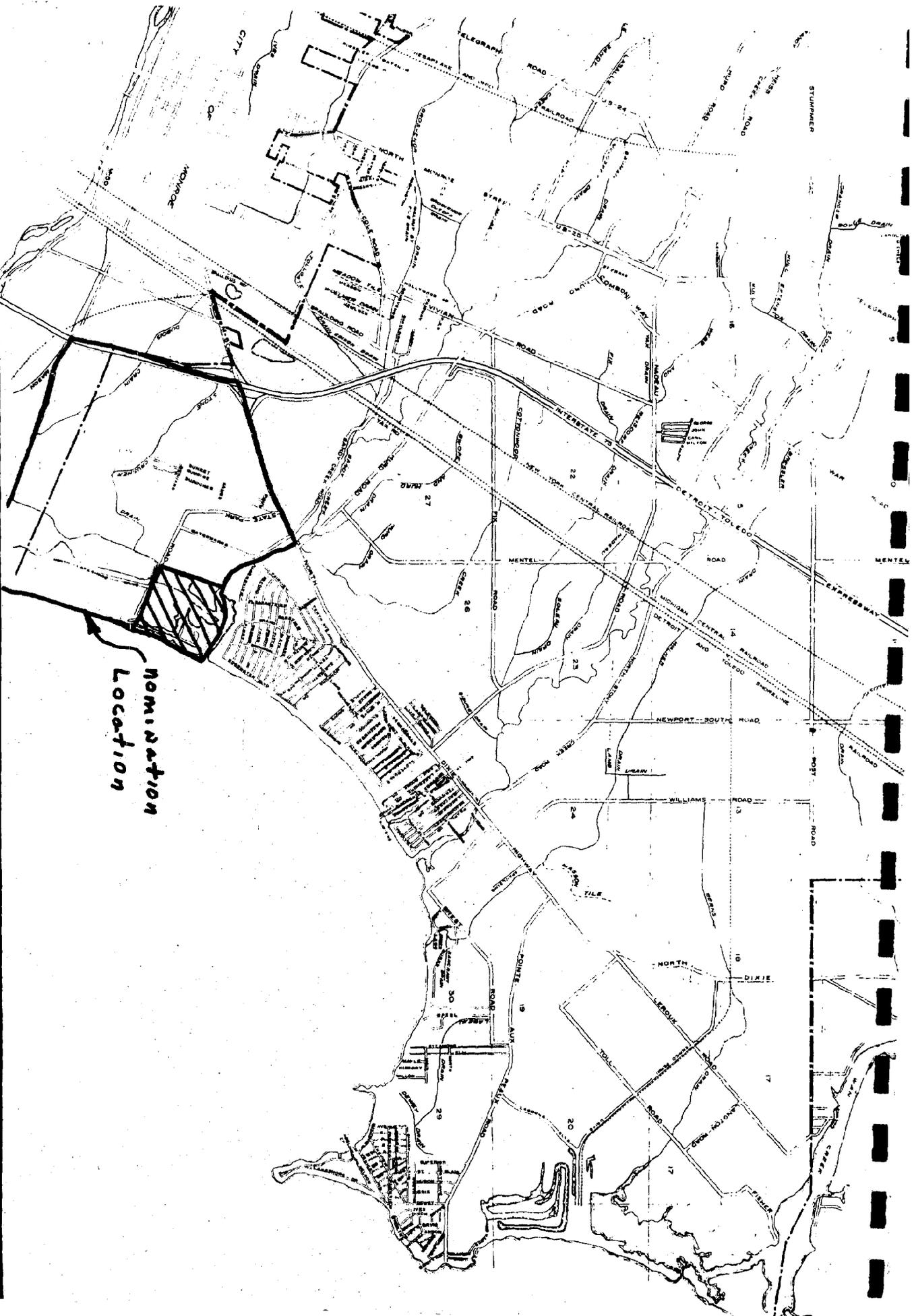
Prepared by:
Monroe County Coastal Bank
Taskforce
1410 East First Street
Monroe, Michigan 48101

BASE MAP OF:

MONROE COUNTY
PLANNING COMMISSION

FRENCHTOWN TOWNSHIP

MONROE COUNTY,
MICHIGAN



Nomination
Location

INDUSTRIAL AREA OF PARTICULAR CONCERN

10

County: Monroe

Township: Monroe

City or Village: City of Monroe

Town, range and section: T7S, R9E

Easily identifiable boundary features (rivers, streams, roads and political boundaries, section lines): Bounded on the north by City/Frenchtown Line, east by Lake Erie, south by LaPlaisance Creek, and west by I-75, LaPlaisance Road and the Conrail Rail Spur.

Present Ownership: Port of Monroe, Fords, Detroit Edison, Union Camp & Consolidated Paper Companies, and the City of Monroe.

Present Use: Ford's Largest Chrome Plating Plant, Edison Coal Burning Power Plant and Fly Ash Pit Port Offices, Turning Basin, and the Monroe Metro Sewage Treatment Plant.

Anticipated changes in use or development (within 10 year time frame): Is rated as one of Michigan's prime industrial/marine park with anticipated industrial growth.

Surrounding land-use(s): Recreation and open space lands to the north. Residential and industrial to the west, and residential to the south.

Industrial Characteristics (if known):

Present industrial uses are Port of Monroe, Ford's, Detroit Edison, and City of Monroe Metro Sewage Treatment Plant.

Zoning: Industrial

Transportation Systems: This area is served by Rail Road, Interstate Highway (I-75), and has a deep water channel, and turning basin.

Rated by State as one of the prime sites for industrial/marine complex.

Briefly describe issues relating to this area:

Due to its close proximity to Rail, water and highway transportation it is an ideal area for industry. Local plans have designated this area for industry. It is the only Michigan Port on Lake Erie and should be utilized to its fullest capability.

Briefly describe management needs relating to this area:

1. To enhance area for future industrial development.
2. To provide necessary flood protection - floodproof.

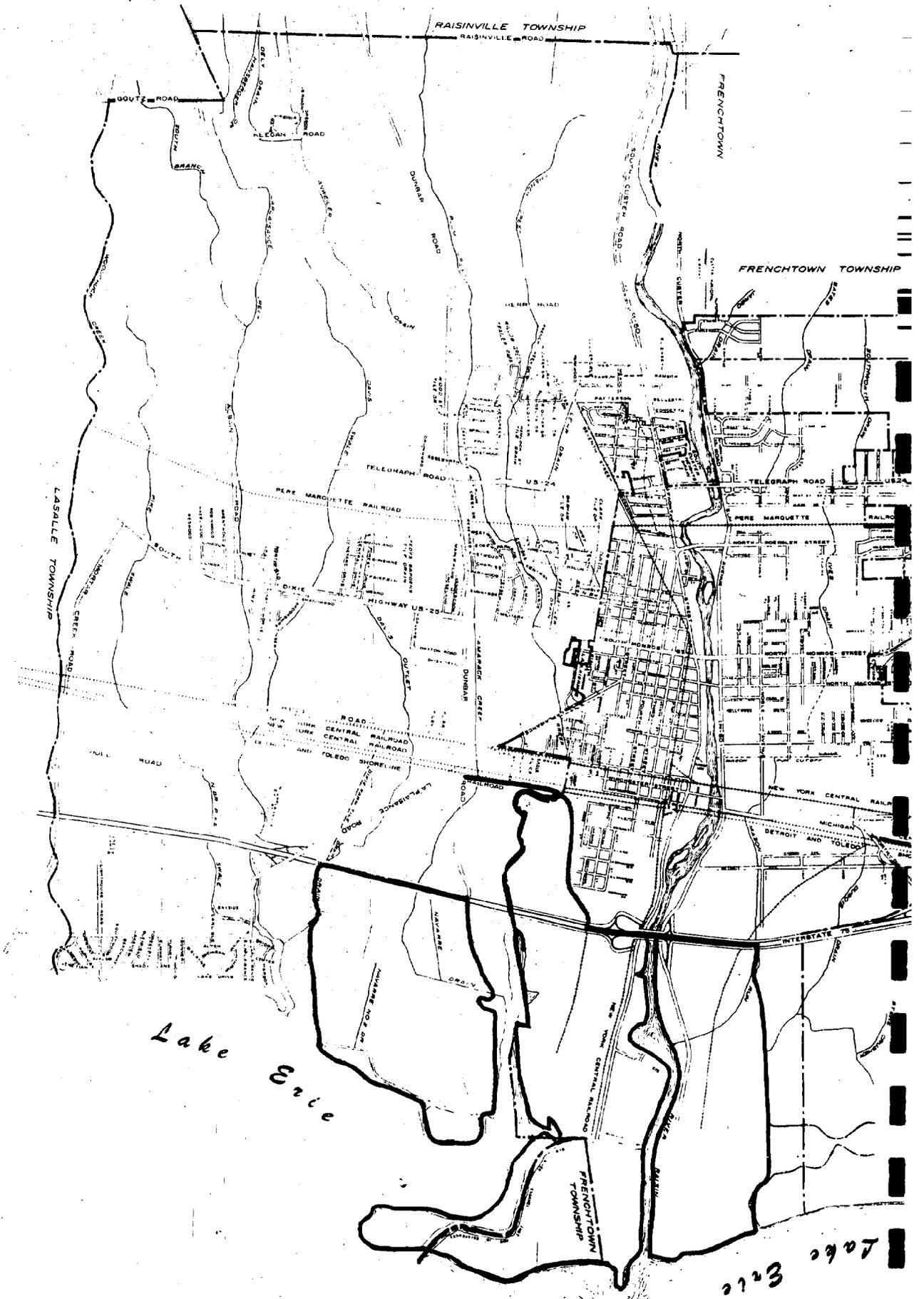
Other comments:

Prepared by:
Monroe County Coastal Zone
Taskforce
1410 East First Street
Monroe, Michigan 48135

BASE MAP OF:
MONROE COUNTY COMMISSION
PLANNING



MONROE TOWNSHIP
MONROE COUNTY
MICHIGAN



FLOOD-RISK AREA OF PARTICULAR CONCERN

County: Monroe
Township: Monroe
City or Village: South of City of Monroe
Town, range, and section: T7S, R9E

Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): North by City of Monroe line, west by Conrail R.O.W., south by Dunbar Road.

Present Ownership: Private
Present Use: Residential and open space.
Anticipated changes in use or development (within ten year time frame): No change.

Surrounding land-use(s): Industrial almost completely around it with the exception of some agriculture south of Dunbar but west of I-75.

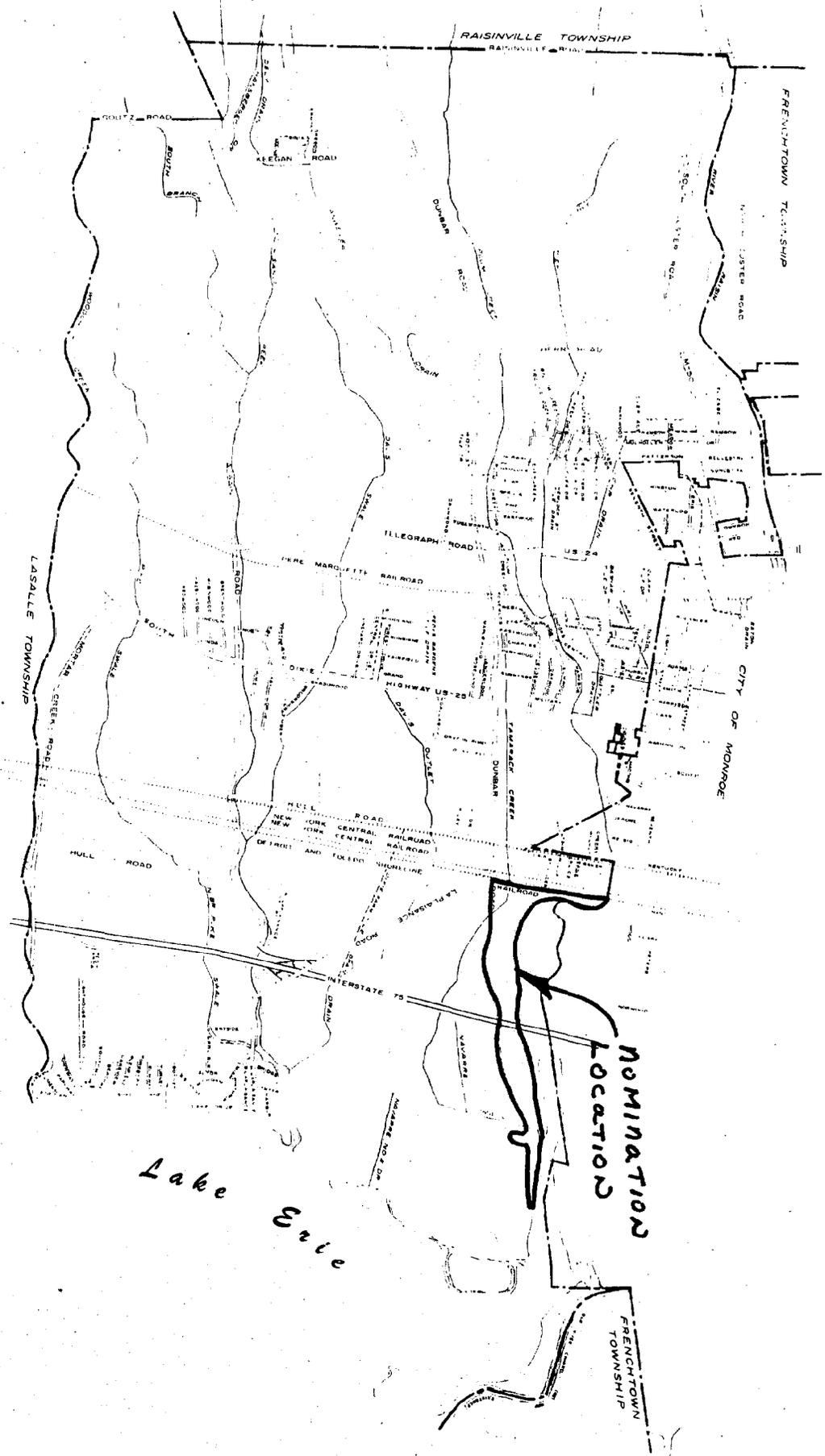
Briefly describe issues relating to this area: Recent high water levels of Lake Erie cause this area to inundate periodically. This area acts as a water containment area from the changing Lake Erie water levels and the water flows of Plumb Creek.

Briefly describe management needs:

- 1. Urban Areas -- Provide for necessary flood protection.
- 2. Non-Urban Areas -- Evaluate for Phase II Ecological Importance Designations.

Other comments:

Prepared by:
Monroe County Coastal Zone Taskforce
1410 East First Street
Monroe, Michigan 48161



BASE MAP OF:		MONROE TOWNSHIP	
MONROE	COUNTY	MONROE	COUNTY,
PLANNING	COMMISSION	MONROE	MICHIGAN
			

AGRICULTURAL AREA OF PARTICULAR CONCERN

County: Monroe
Township: Monroe
City or Village: South of City of Monroe
Town, range, section: T7S, R9E, In Old Private or French Claims.

Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): North by east D nbar, southwest by LaPlaisance Road and east by I-75.

Present ownership: Private (Judy Land Company)
Present Agricultural Use: Corn and wheat with yields on 106 bushels per acre for corn and 44 bushels for wheat.

Anticipated changes in use or development (within 10 year time frame):
Water and sewer lines are in area, could not keep in agricultural use.

Surrounding land-use(s): The site and lands to south are agricultural, north is City of Monroe/with Plumb Creek Marsh, east industrial.

Briefly describe issues relating to this area:

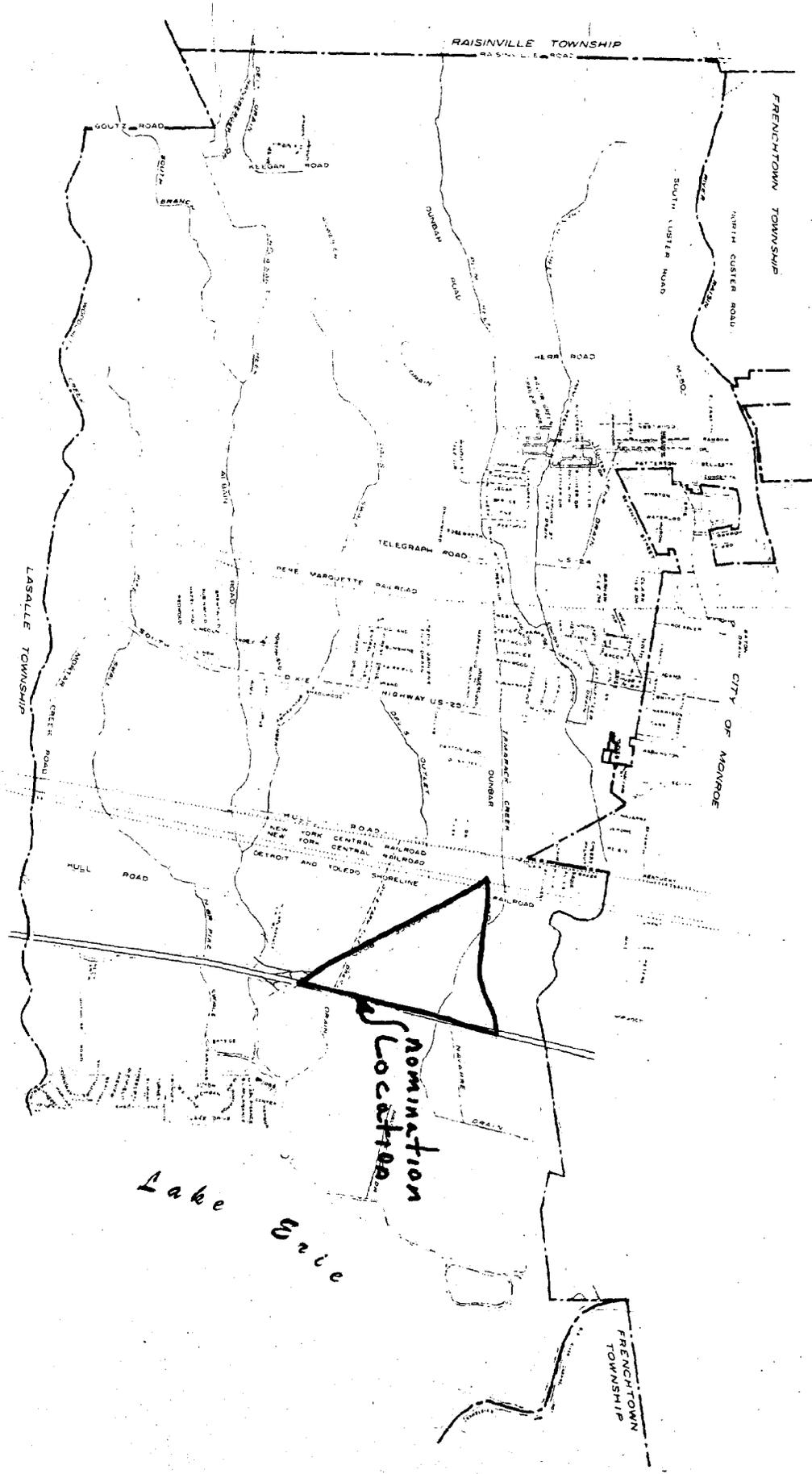
Presently undeveloped, but with water and sewer lines existing could only keep in agriculture until it could be developed. Agriculture is designated for this area by Monroe Township Master Plan, where the county plan indicates residential development.

Briefly describe management needs:

- 1. Promote Act 116, P.A. 1970 for all prime agricultural land in CZM area.

Other comments:

Prepared by:
Monroe County Coastal Zone Taskforce
1410 East First Street
Monroe, Michigan 48161



BASE MAP OF:

MONROE COUNTY COMMISSION PLANNING



MONROE TOWNSHIP

MONROE COUNTY, MICHIGAN

RECREATION AREA OF PARTICULAR CONCERN

Name: LaPlaisance Creek Area
County: Monroe
Township: Monroe
City or Village: 1 mile South of City of Monroe
Town, range and section: T7S, R9E In Private Claims east of I-75

Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): E. Dunbar Road to north, I-75 to the west, LaPlaisance Creek to the south, and Lake Erie to the east.

Present Ownership: State and Private
Recreational Use or potential (picnicking, camping, hiking, etc): Part used as Marina Facilities presently. State is to start development of fishing site boat launching facility in spring.

Anticipated changes or increases in use or development (within ten year time frame): With state project completed more boating opportunities on Lake Erie will be available to county and regional populace; lessen congestion at existing boat launching facilities. Surrounding land-use(s): Detroit Edison Fly Ash Pit to north, Marina Facilities in immediate area, and residential development to south (Bolles Harbor/Avalon Beach Subdivisions).

If the area is not now an established recreation area, briefly describe the physical characteristics of the area which make it particularly suitable for recreational use:

If the area is an established recreation area, briefly describe characteristics (facilities, size, natural features):

Existing facilities in area are: 1)Ted Hoffman Memorial Park (fishing, boat launching), 2)Monroe Marina (38 slips), 3)Monroe Boat Club (100 slips), and 4) Trouts Yacht Basin (85 slips). LaPlaisance Creek gives easy access to Lake Erie.

Has the area, or should the area be identified for acquisition and development as a recreation area?

Both Monroe Township and Monroe County Master Plans identify this area for recreational use.

Briefly describe issues relating to the area:

This area has long been a Marine Recreation Area as can be noticed by the many Marine's or Boat Clubs. LaPlaisance Creek gives quick access to Lake Erie for fishing or pleasure boating.

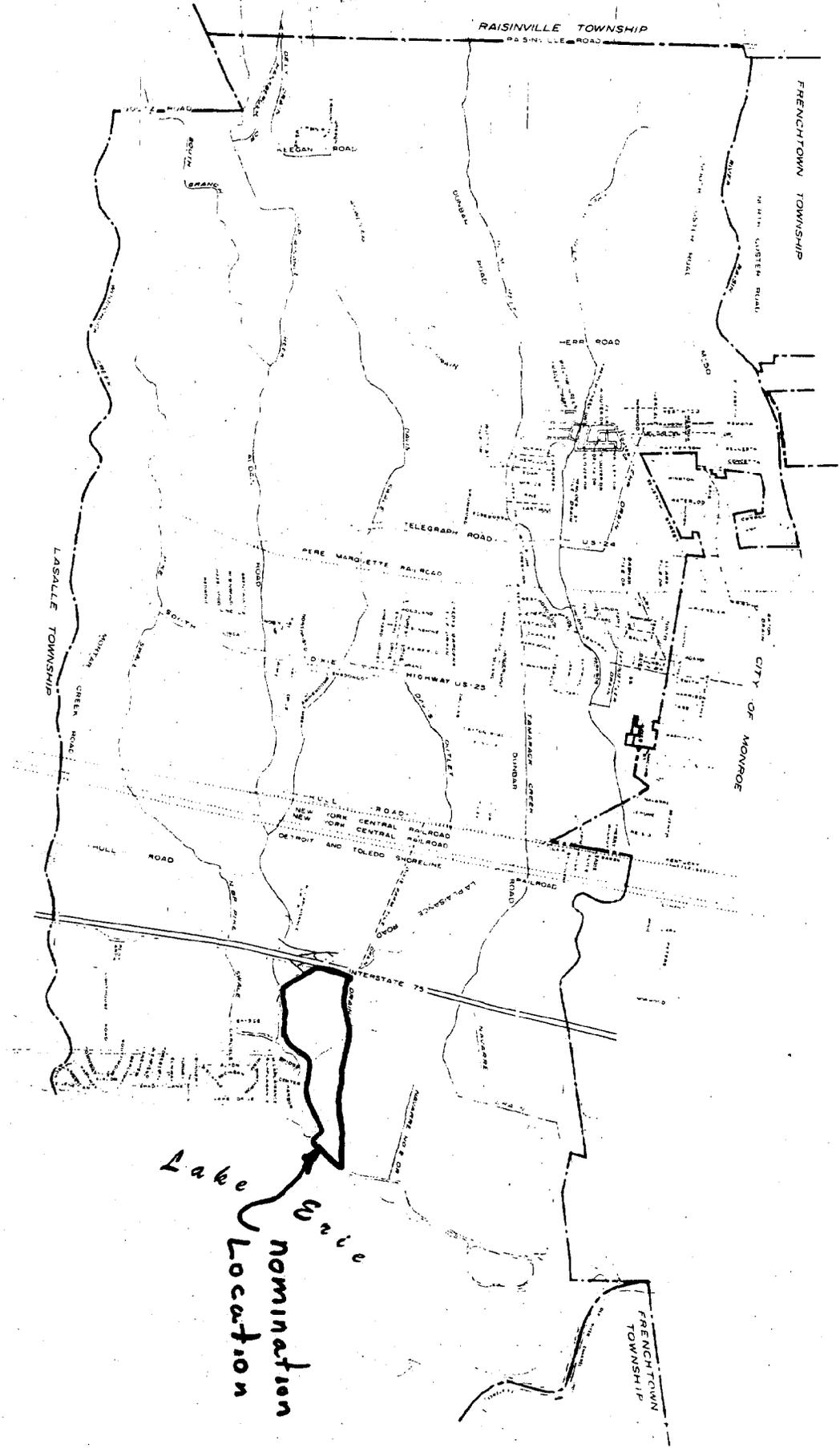
Briefly describe management needs:

- 1. To develop existing or future recreation areas to their fullest level, and to acquire and develop those areas that are potential ones.

Other Comments:

Prepared by:
Monroe County Coastal
Taskforce
1410 East Flinn Street
Monroe, Michigan 48101

BASE MAP OF:		MONROE TOWNSHIP	
MONROE COUNTY PLANNING COMMISSION		MONROE COUNTY, MICHIGAN	



Lake Erie nomination location

URBAN AREA OF PARTICULAR CONCERN

County: Monroe
City or Village: South of City of Monroe (Monroe Township Beach Area)
Site location (adjacent roads, physical features): On north by LaPlaisance Creek, south by Woodchuck Creek, west by I-75, and east by Lake Erie.

Present Ownership: Private
Present Use: Primarily residential
Anticipated changes in use or development (within ten year time frame): Expansion of residential area with completion of water and sewer lines.

Adjacent Land use(s): Industrial to the north, agricultural to west, vacant with some residential to south.

Does present use of this parcel require a waterfront location?
Not necessarily, but people will build as close to water as they can where water is present.

Is it enhanced by a waterfront location?
Yes.

Occupied by structures in need of rehabilitation or redevelopment?
Yes. Recent, flooding and high water levels have done extensive property and structural damage to the area. Temporary diking has been constructed, but even these are in need of repair.

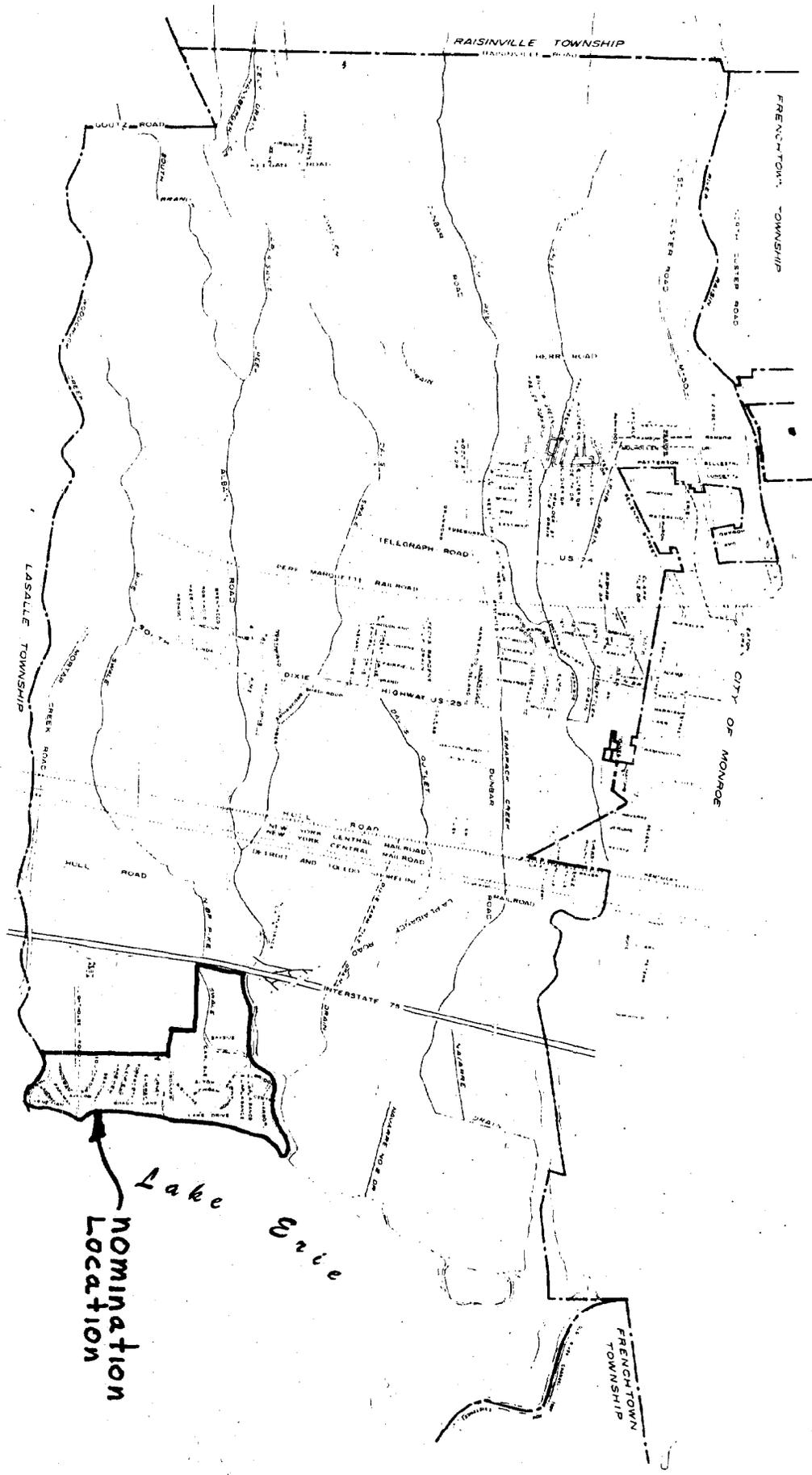
What would be the best use of this parcel of urban waterfront?
For Housing and Recreation.

Briefly describe other issues relating to this area:
Water is in the area now and sewers are presently under construction. The Bolles Harbor/Avalon Beach area is too heavily developed to try a relocation program. Lake Erie's water levels will probably remain high for some time, and wave action from high winds from the NE, E, SE have done extensive damage to the temporary diking.

Briefly describe management needs:
1. To provide necessary flood protection
2. To conserve open space where available
3. To bring into public ownership areas lacking sewer and water.

Other comments:

Prepared by:
Monroe County Coastal Zone Taskforce
1410 East First Street
Monroe, Michigan 48161



BASE MAP OF:

MONROE COUNTY
PLANNING COMMISSION



MONROE TOWNSHIP

MONROE COUNTY,
MICHIGAN

AGRICULTURAL AREA OF PARTICULAR CONCERN

County: Monroe
 Township: LaSalle and Monroe
 City or Village: South of City of Monroe
 Town, range, section: T7S, R9E, Port of Ole French Claims.

Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): LaPlaisance Road and LaVigne Road on north and east, I-75 on the west, and Otter Creek on the south.

Present ownership: Private

Present Agricultural Use: Primarily corn and wheat with average hields of 105 and 44 busheld per acre respectively.

Anticipated changes in use or development (within 10 year time frame):

Water and sewer lines in Monroe Township will increase development to area, LaSalle should stay the same, at least in this area.

Surrounding land-use(s): Residential to east and south, agricultural to the west along with Monroe Rod and Gun Club shooting range.

Briefly describe issues relating to this area:

The Bolles Harbor/Avalon Beach areas of Monroe Township are sewerred and water. This area could not be kept in agriculture although cash crop yields are high. Should be kept in agriculture as long as possible though.

Briefly describe management needs:

1. Promote Act 116, P.A. 1970 for all prime agricultural land in CZM area.

Other comments:

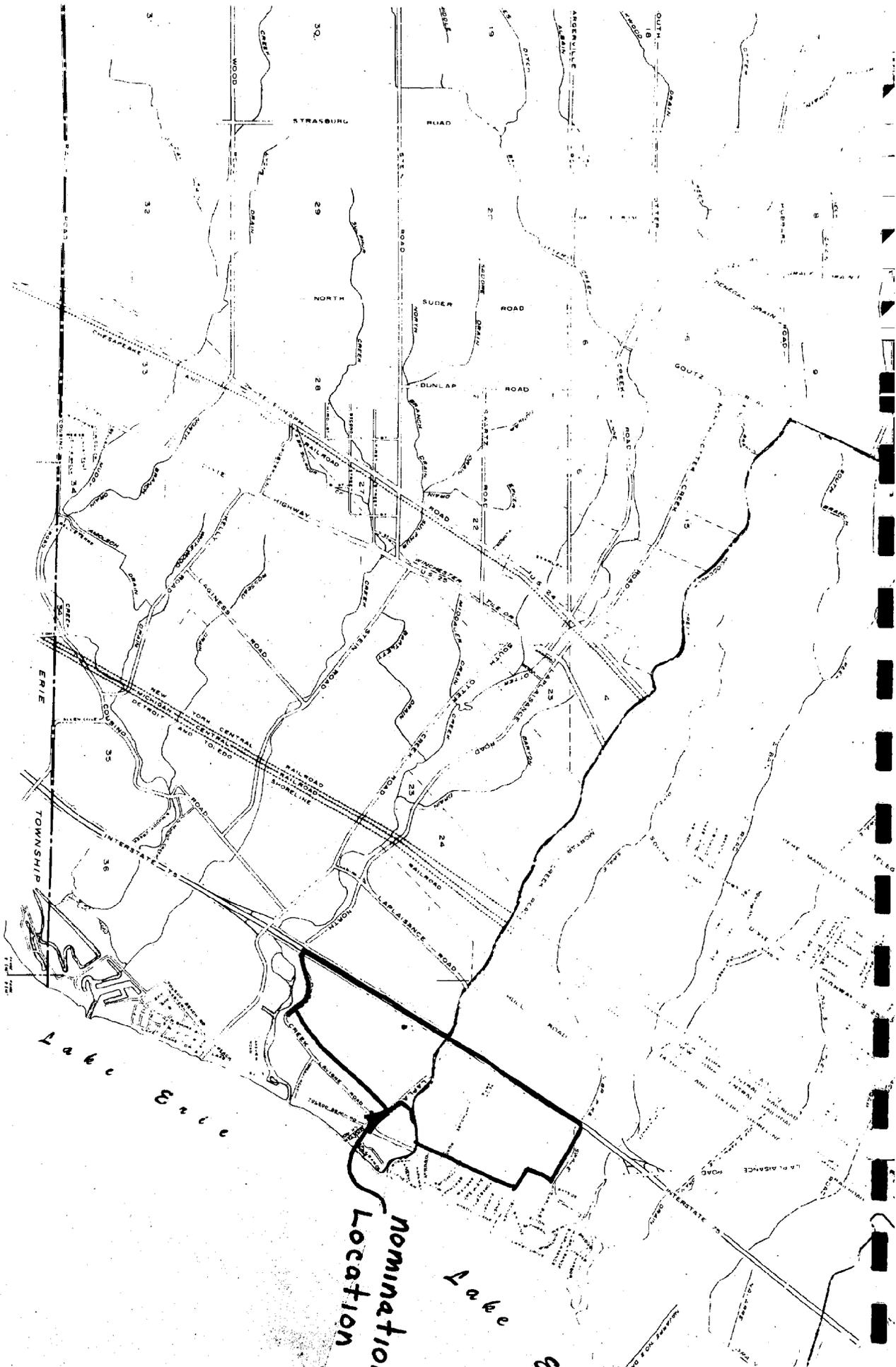
Prepared by:
 Monroe County Coastal Zone Taskforce
 1410 East First Street
 Monroe, Michigan 48161

BASE MAP OF:

**MONROE COUNTY
PLANNING COMMISSION**



**LA SALLE TOWNSHIP
MONROE COUNTY,
MICHIGAN**



*nomination
Location*

Lake

3

FLOOD-RISK AREA OF PARTICULAR CONCERN

County: Monroe
Township: LaSalle
City or Village: North of City of Luna Pier
Town, range, and section: T7S, R8E and R9E

Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): Bounded on the north by Monroe Township, east by Lake Erie, south by City of Luna Pier, and west by I-75.

Present Ownership: Private and Public.
Present Use: Residential, agricultural, commercial and open space.
Anticipated changes in use or development (within ten year time frame): No change.

Surrounding land-use(s): Residential to the north and south, to the west is primarily agricultural.

Briefly describe issues relating to this area: Recent high water levels of Lake Erie have caused periodic flooding problems primarily in the LaPlaisance Woods. Grand View Beach areas. Otter Creek has water problems from two areas;
1) Lake Erie high water levels and gales from east or southeast, and
2) Spring run-off of its tributaries which also causes flooding.

Briefly describe management needs:

- 1. Urban Areas -- Provide necessary flood protection.
- 2. Non-Urban Areas -- Evaluate for Phase II Ecological Importance Designations.

Other comments:

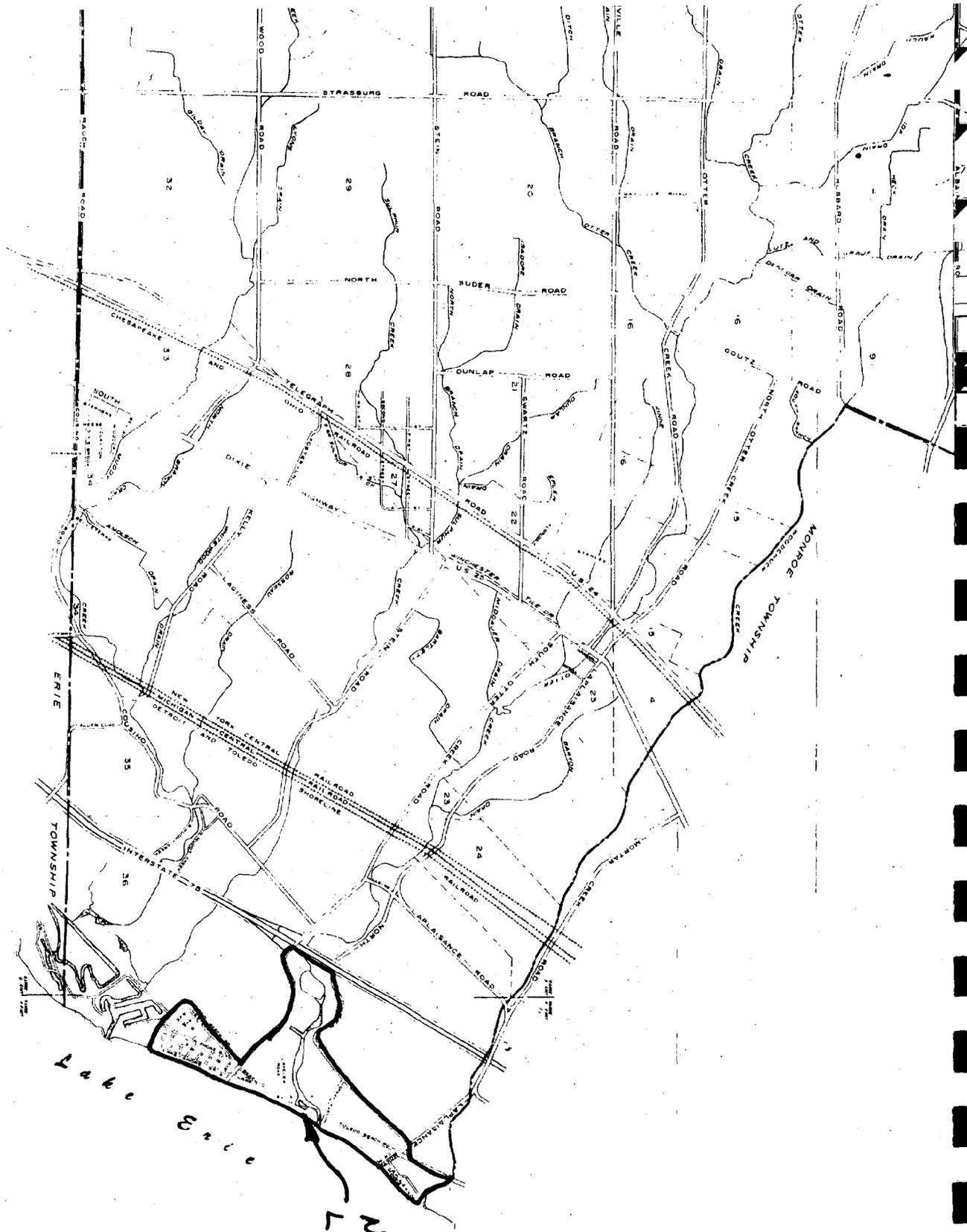
Prepared by:
Monroe County Coastal Zone Taskforce
1410 East First Street
Monroe, Michigan 48161

BASE MAP OF:

MONROE COUNTY, MISSISSIPPI

LA SALLE TOWNSHIP

MONROE COUNTY, MISSISSIPPI



Nomination Location

La Salle

PLAN

MONROE COUNTY, MISSISSIPPI

LA SALLE TOWNSHIP

MONROE COUNTY, MISSISSIPPI

Scale: 1" = 1/4 MILE

North Arrow

Copyright © 1988 by the State of Mississippi, Department of Transportation, Office of the State Engineer, Jackson, Mississippi.

AGRICULTURAL AREA OF PARTICULAR CONCERN

County: Monroe
Township: LaSalle
City or Village: North of Luna Pier
Town, range, section: T7S, R9E - Old French Claims

Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): S. Otter Creek Road on north, I-75 on west, Sulphur Creek on south, and Lake Erie on east.

Present ownership: Private
Present Agricultural Use: Corn and wheat with average yields of 100 bushels per acre and 45 bushels per acre respectively.

Anticipated changes in use or development (within 10 year time frame):
Sewer and water are rumored for this area of LaSalle. If they come, development of area will also.
Surrounding land-use(s): Residential east and south. Agriculture north and west.

Briefly describe issues relating to this area:

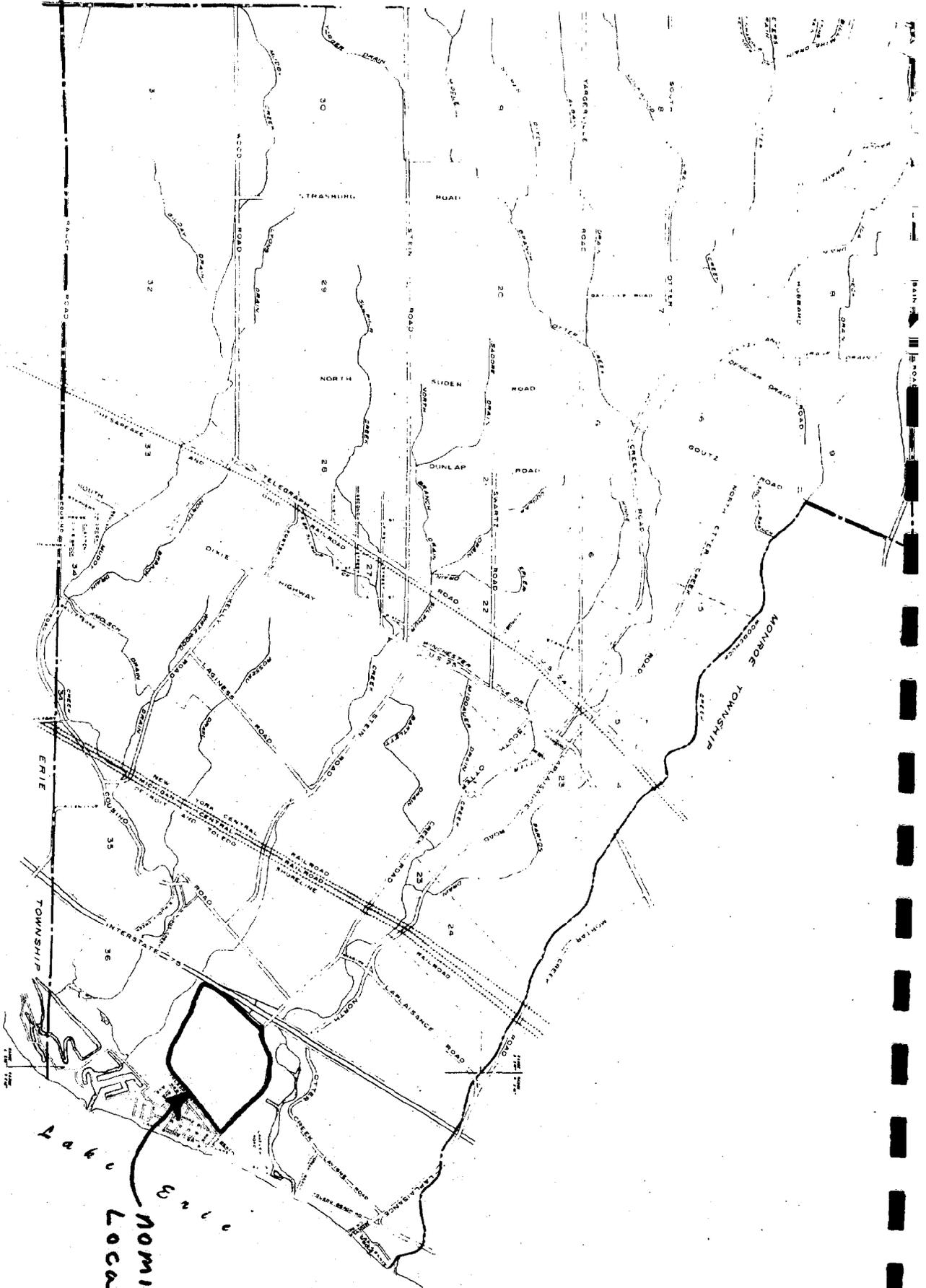
Located in or near LaSalle Townships HUD Floodplain. Should sewer and water come, so will development. The LaSalle and County Master Plans so agricultural and recreations designations for this area respectively.

Briefly describe management needs:

- 1. Promote Act 116, P.A. 1970 for all prime agricultural land in CZM area.

Other comments:

Prepared by:
Monroe County Coastal Zone Taskforce
1410 East First Street
Monroe, Michigan 48161



BASE MAP OF:

MONROE COUNTY COMMISSION

LA SALLE TOWNSHIP

MONROE MICHIGAN

PLANNING

Scale: 1" = 1/2 Mile

North Arrow

Legend:

- Section Lines
- Roads
- Railroads
- Creeks
- Water
- Buildings
- Utilities

Nomination Location

RECREATION AREA OF PARTICULAR CONCERN

Name: Toledo Beach Recreation Area
County: Monroe
Township: LaSalle
City or Village: Luna Pier
Town, range and section: T7 and 8S, R8E; Sections 36 T7S, R8E; Section 1, T8S, R8E.

Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): S. Otter Creek Road on north, I-75 to the west. Allen Cove Road to the south and Lake Erie to the east.

Present Ownership: Public and private.
Recreational Use or potential (picnicking, camping, hiking, etc): Boating and picnic area.

Anticipated changes or increases in use or development (within ten year time frame):

Surrounding land-use(s): Residential to the north and south. Agricultural also to north and to the west.

If the area is not now an established recreation area, briefly describe the physical characteristics of the area which make it particularly suitable for recreational use:

If the area is an established recreation area, briefly describe characteristics (facilities, size, natural features):

North Cape Yacht Club, Toledo Beach Marina and picnic area. Sandy beach frontage, watery marsh lands.

Has the area, or should the area be identified for acquisition and development as a recreation area?

Both LaSalle Township and Monroe County Master Plans have identified this area for recreational usage.

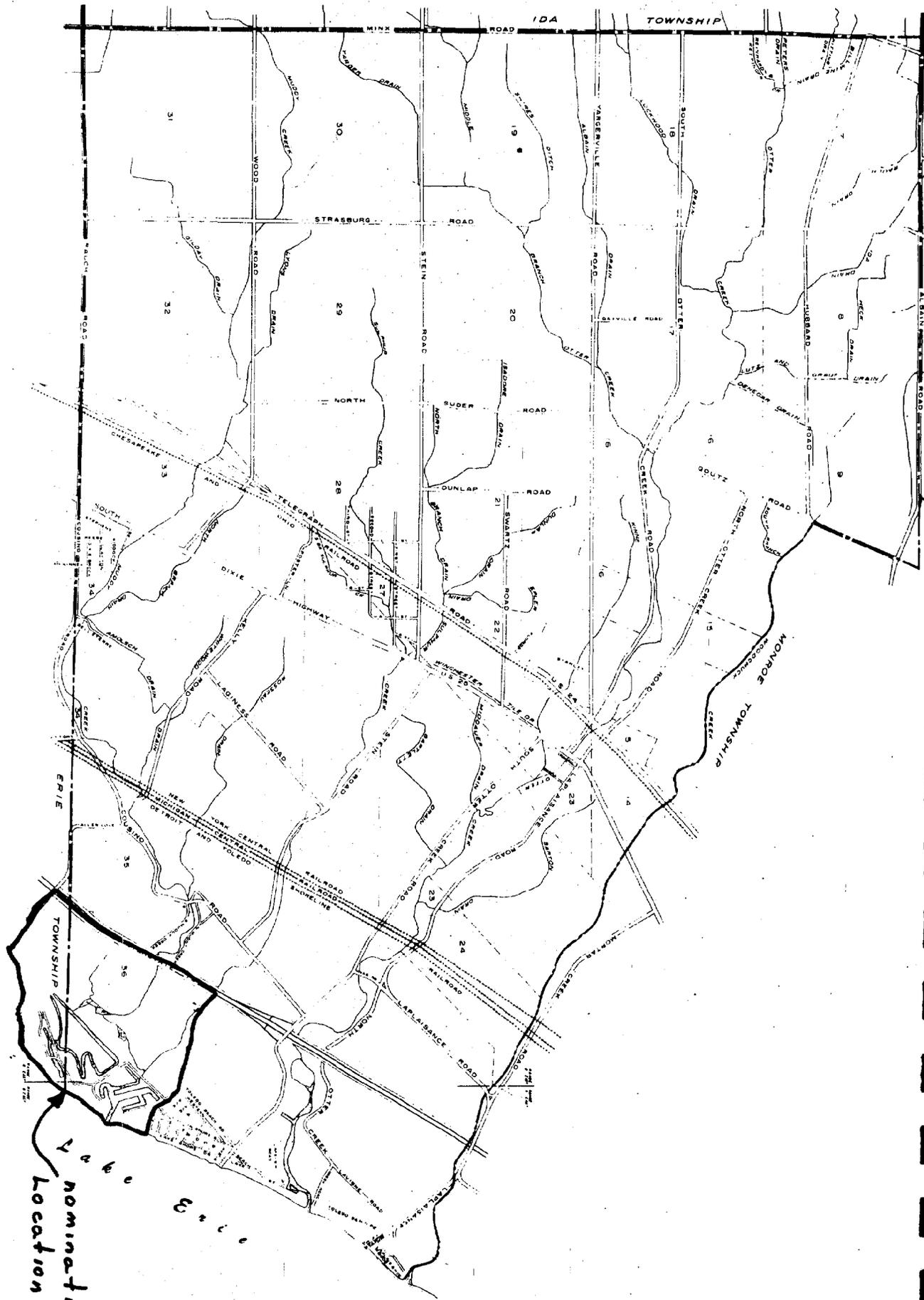
Briefly describe issues relating to the area: Basically the majority of area is undeveloped and consists of open water areas and marsh land. Development consists of the Toledo Beach Marina and the North Cape Yacht Club.

Briefly describe management needs:

- 1. To develop existing or future recreation areas to their fullest level, and to acquire and develop those areas that are potential ones.

Other Comments:

Prepared by:
Monroe County Coastal Zone Taskforce
1410 East First Street
Monroe, Michigan 4816.



CASE MAP OF:

MONROE COUNTY COMMISSION PLANNING



LA SALLE TOWNSHIP

MONROE COUNTY, MICHIGAN

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Nomination Location

URBAN AREA OF PARTICULAR CONCERN

County: Monroe

City or Village: City of Luna Pier

Site location (adjacent roads, physical features): Allen Cove Road on the north, I-75 on the west, LaPointe Drain on the south, and Lake Erie on the east.

Present Ownership: Private and public

Present Use: Urban Community

Anticipated changes in use or development (within ten year time frame): Sewer and water are in ground now, so there could be more development to vacant areas of city as described above.

Adjacent Land use(s): Vacant and marsh to north, agriculture to west, vacant and industrial (Consumers Power) to south.

Does present use of this parcel require a waterfront location?

Not necessarily, but people will build as close to water as they can where water is present.

Is it enhanced by a waterfront location?

Yes.

Occupied by structures in need of rehabilitation or redevelopment?

The City of Luna Pier has many structures in need of rehabilitation as it has been annually unindated by water for many years. Temporary diking has been erected but that also is in need of repair.

What would be the best use of this parcel of urban waterfront?

Housing and Recreation

Briefly describe other issues relating to this area:

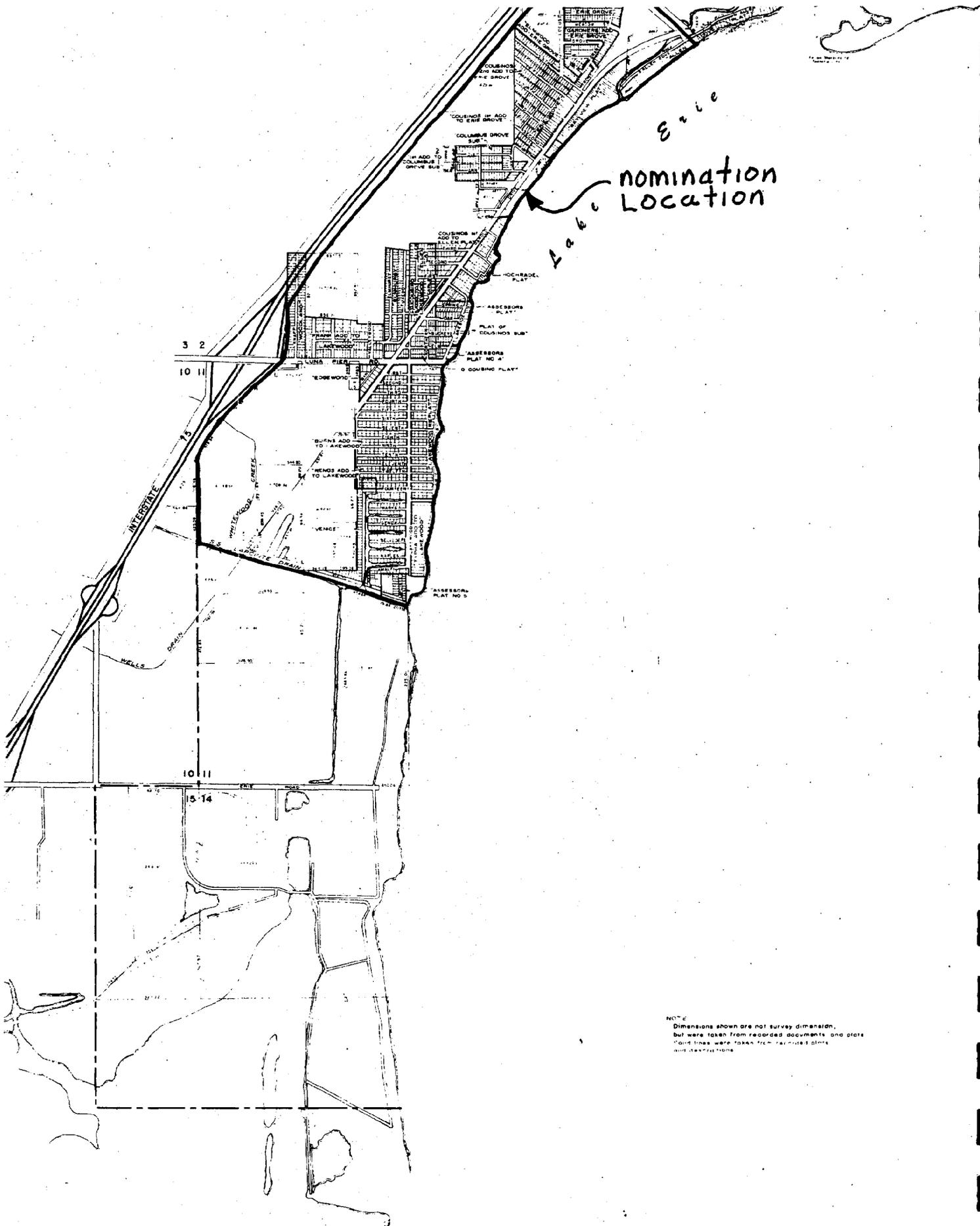
In recent years both water and sewer have been installed in the area along with its own sewage treatment plant. A Federal Housing Project is currently under construction and should be nearing completion. The Army Corps of Engineers have studied the area extensively and are soon to publish a report as to what measures should be taken for this area.

Briefly describe management needs:

1. To provide necessary flood protection
2. To conserve open space where available
3. To bring into public ownership areas lacking sewer and water

Other comments:

Prepared by:
Monroe County Coastal Zone
Taskforce
1410 East First Street
Monroe, Michigan 48156



INDUSTRIAL AREA OF PARTICULAR CONCERN

County: Monroe

Township: Erie

City or Village: City of Luna Pier

Town, range and section: T8S, R8E, Sections 11 and 14.

Easily identifiable boundary features (rivers, streams, roads and political boundaries, section lines): Bounded on the north by LaPoint Drain, east by Lake Erie, south by City of Luna Pier Line, and west by I-75.

Present Ownership: Consumers Power Company

Present use: Consumers Power Company - Luna Pier coal burning Power Plant and Fly Ash Disposal site.

Anticipated changes in use or development (within 10 year time frame):
Will expand Fly Ash Pit to north side of Erie Road when area on Woodtick Peninsula is filled.

Surrounding land-use(s): Urban area of Luna Pier to the north, Erie State Game Area and Ottawa Bay Development Lands to south, and I-75 to west.

Industrial Characteristics (if known):

Present use: Consumers Power Company - Luna Pier Power Plant.

- Served by: 1. Rail Road to bring coal.
- 2. I-75 immediately to the west.
- 3. Lake Erie to supply needed water source.

Relationship to public plans: Both City of Luna Pier and the County General Development Plans designate area as industrial.

Present Zoning: Industrial.

Briefly describe issues relating to this area:

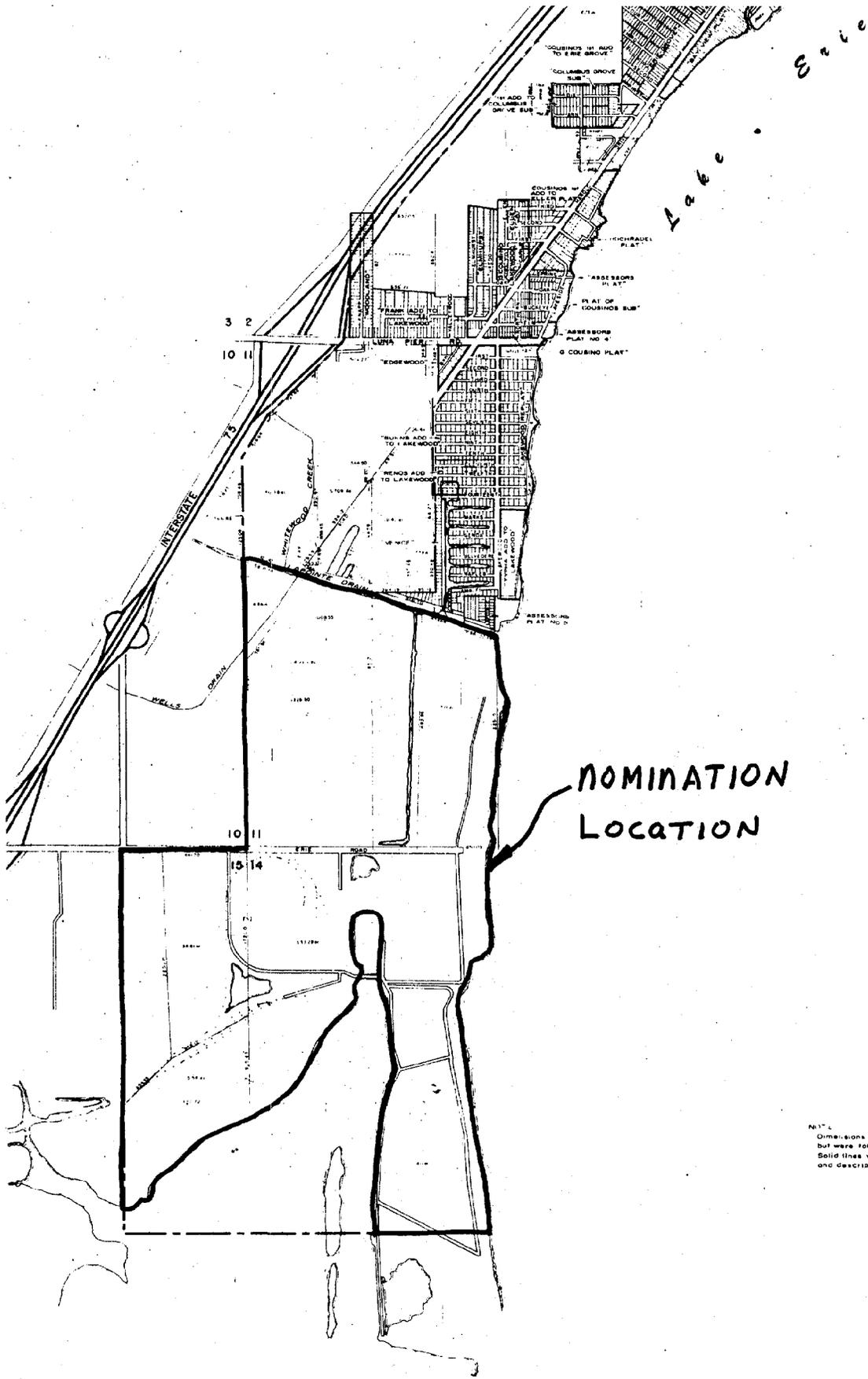
To retain this area in an industrial state as designated by both the City of Luna Pier and the County of Monroe in their Master Plans to meet existing as well as future needs of the Consumers Power Company.

Briefly describe management needs relating to this area:

- 1. To enhance area for future industrial development.
- 2. To provide necessary flood protection -- floodproof.

Other comments:

APPROVED BY:
MONROE COUNTY BOARD OF SUPERVISORS
DATE: _____



NOMINATION
LOCATION

NOTE:
Dimensions shown are not survey dimensions,
but were taken from recorded documents and plots.
Solid lines were taken from recorded plats
and descriptions.

BASE MAP OF: MONROE COUNTY PLANNING COMMISSION	 SCALE IN FEET	CITY OF LUNA, MI MONROE COUNTY, MICHIGAN
NOTE: THE PREPARATION OF THIS ORIGINAL BASE MAP WAS FINANCED IN PART THROUGH AN URBAN PLANNING GRANT FROM THE HOUSING AND HOME FINANCE AGENCY, UNDER THE PROVISIONS OF SECTION 401 OF THE HOUSING ACT OF 1937, AS AMENDED.	BASE MAP SOURCE: U.S.G.S. TOPOGRAPHIC MAPS U.S. DEPT. OF AGRICULTURE, AERIAL PHOTOS, 1954, OFFICIAL COUNTY MAP, BOARD OF COUNTY ROAD COMMISSIONERS, DRAINAGE MAP OF MONROE CO. DEPT. COMMISSIONERS, 1954, PROPERTY AND STREET MAPS, FIELD SURVEY, 1958, REVISED OCT. 1957, B.A.A. OF UCL, 1957.	

FLOOD-RISK AREA OF PARTICULAR CONCERN

County: Monroe

Township: Erie

City or Village: South of City of Luna Pier

Town, range, and section: T8 and 9S, R8E, Sections 10, 15, 21, 22, 28, 32, 33, 34, Fr 3, Fr4, and Fr5.

Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): Bounded on west by CZM Boundary (I-75), south by State of Ohio line, east by City of Luna Pier, and State of Michigan property (Erie State Game Preserve).

Present Ownership: Private

Present Use: Some residential and undeveloped open land and marsh.

Anticipated changes in use or development (within ten year time frame):

No change.

Surrounding land-use(s): Agricultural to west, industrial and marsh to east, urban (Point Place) to the south.

Briefly describe issues relating to this area:

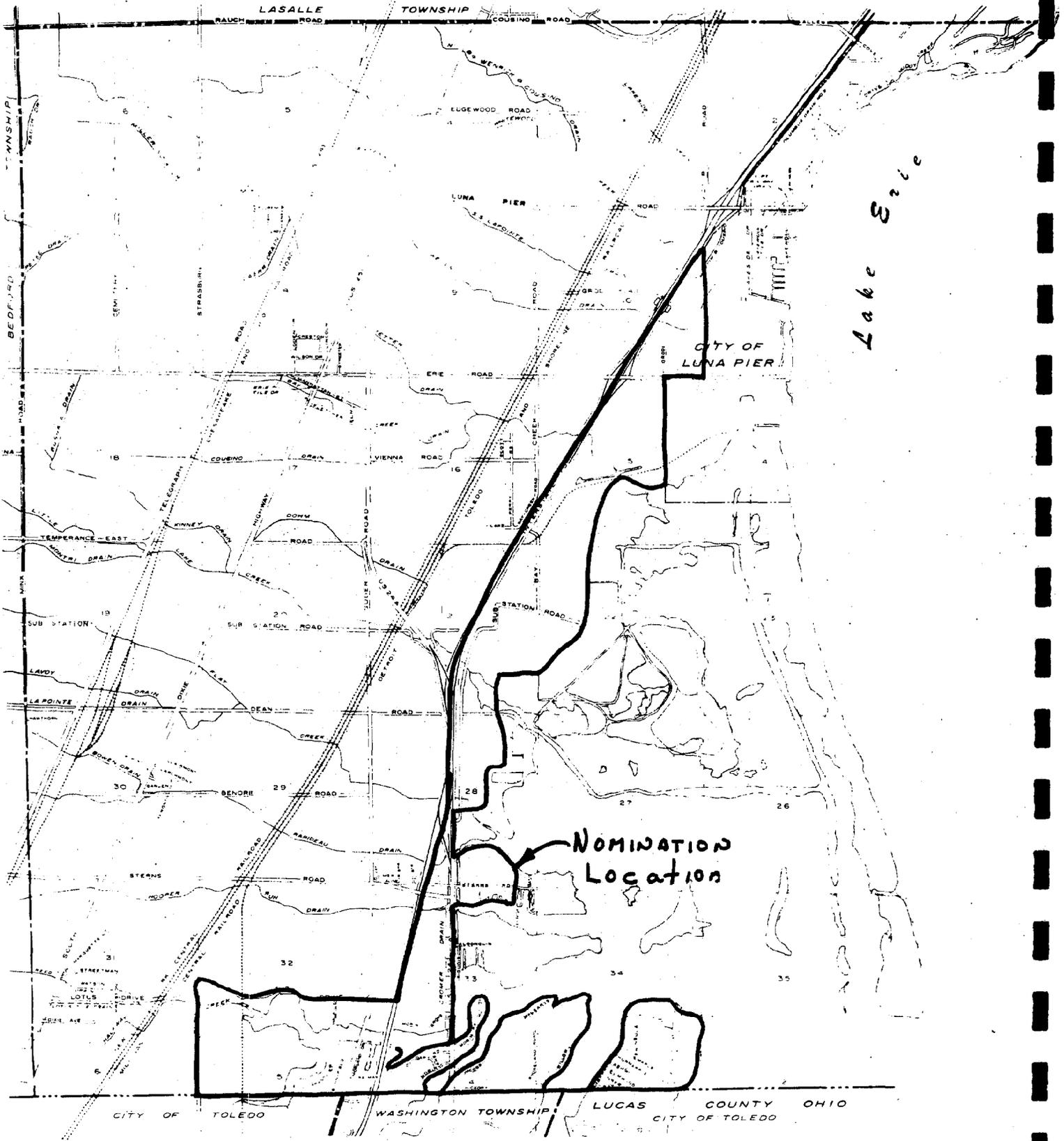
Recent high water levels of Lake Erie have caused periodic inundation to the area. The Maumee Bay area has been hit hard by wave action from the northeast. Ottawa River, and Halfway Creek have annual spring runoffs, but the Lake Erie water levels keep some areas, previous dry, under water constantly.

Briefly describe management needs:

1. Urban Areas -- Provide necessary flood protection.
2. Non-Urban Areas -- Evaluate for Phase II Ecological Importance Designation.

Other comments:

Prepared by:
Monroe County Coastal Zone Task Force
1410 East First Street
Monroe, Michigan 48150



BASE MAP OF:		ERIE TOWNSHIP	
MONROE COUNTY PLANNING COMMISSION	 	MONROE COUNTY, MICHIGAN	
THE INFORMATION ON THIS MAP WAS OBTAINED FROM THE MONROE COUNTY PLANNING COMMISSION. THE MONROE COUNTY PLANNING COMMISSION IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION ON THIS MAP. THE MONROE COUNTY PLANNING COMMISSION IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION ON THIS MAP. THE MONROE COUNTY PLANNING COMMISSION IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION ON THIS MAP.			

AREA OF ECOLOGICAL IMPORTANCE

22

Name (if any): Erie State Game Preserve

County: Monroe

Township: Erie

City or Village: South of City of Luna Pier

Town, range and section: T8S, R8E, Sections 14, 15, 22, 23, 25, 26, 27, 28, 33, 34, 35 and 36.

Mostly identifiable boundary features (rivers, streams, roads, political boundaries, section lines): City of Luna Pier to north, I-75 to west, Ohio State Line south and Lake Erie to east.

Present Ownership: State and Private

Present Use: game area on preserve.

Anticipated changes in use or development (within ten year time frame):

No change.

Surrounding land-use(s): Industrial and residential to north, residential south and agricultural to east.

Environmental characteristics:

Nesting, resting, feeding area to many aquatic fish, water, fowl and animals.
Extensive tracts of open water and marsh lands.

Briefly describe issues relating to this area:

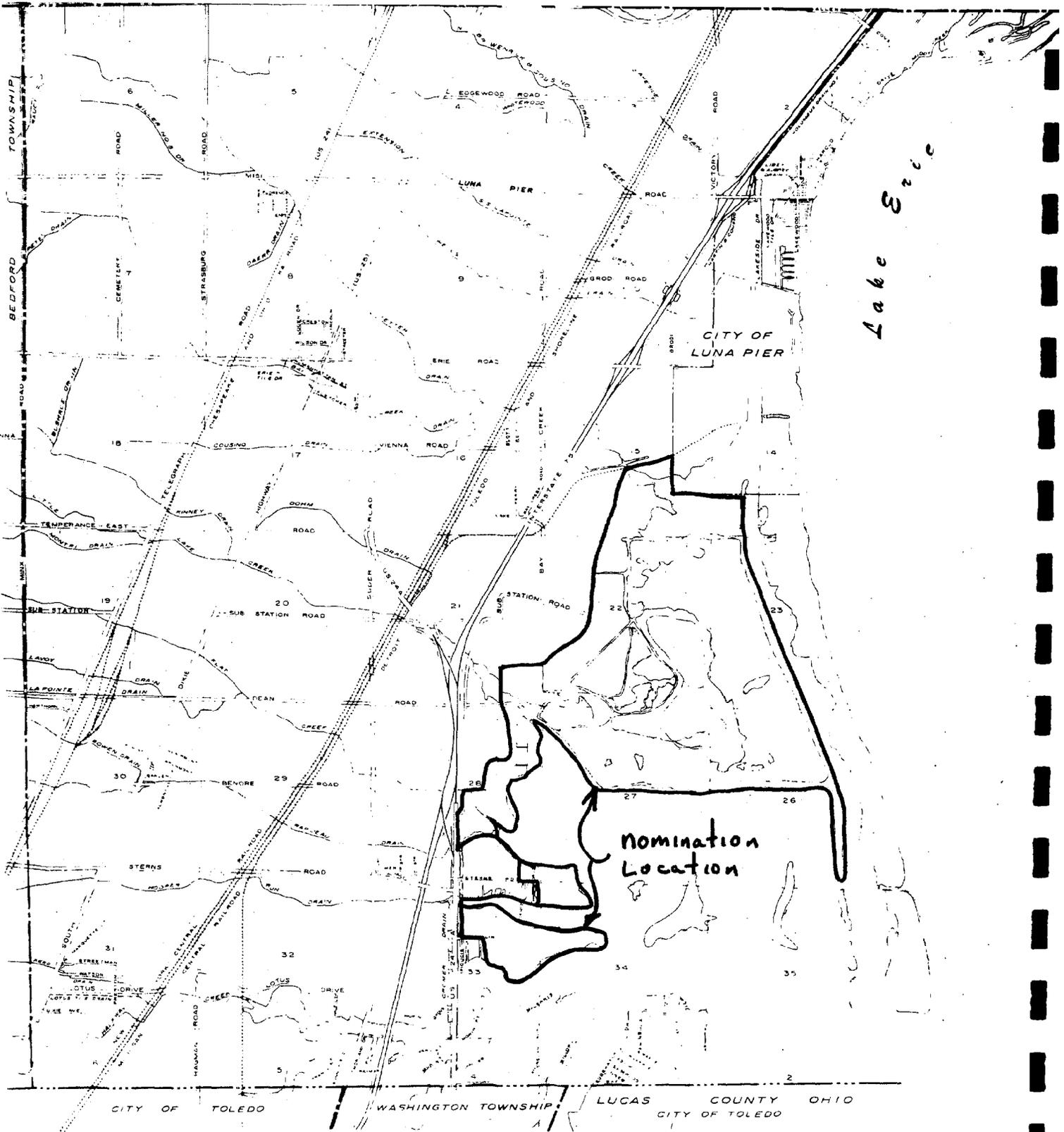
Further erosion of the Woodtick Peninsula would greatly harm the preservation of this area in its present state. Recreation or open space is the designation of this area by both Erie Township and Monroe County on their Master Plans. One of the two large natural habitat areas in Monroe County.

Briefly describe management needs:

1. Bring into Public ownership by acquiring all areas of major importance not yet publically owned and keep in a natural state.

Prepared by:
Monroe County Coastal Zone
Taskforce
1410 East First Street
Monroe, Michigan 48161

Other comments:



Lake Erie

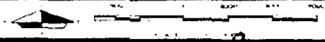
Nomination Location

BASE MAP OF:

ERIE TOWNSHIP

MONROE COUNTY PLANNING COMMISSION

MONROE COUNTY, MICHIGAN



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High Risk Erosion Area of Particular Concern

County: Woodtick Peninsula

Monroe

Erie

South of Luna Pier

T8S, R8E, Sections 14, 23, 25, 26, 35 and 36.

boundary features (rivers, streams, roads, railroad, etc.)

North by Luna Pier, west by Section lines 14, 23, 26 and 35,

South by Ohio State Line, east by Lake Erie.

State of Michigan

Partial Fly Ash site of Consumers Power and part of Erie State Game

Area.

Industrial to north, vacant open water, marsh to the west.

Vegetation Removed -- some of tree barriers are gone, high water has removed much of the marsh land.

Narrowness of beach and peninsula -- varies between 100-400 feet, today 1970 widths of 600-1000 feet.

Other issues relating to this area:

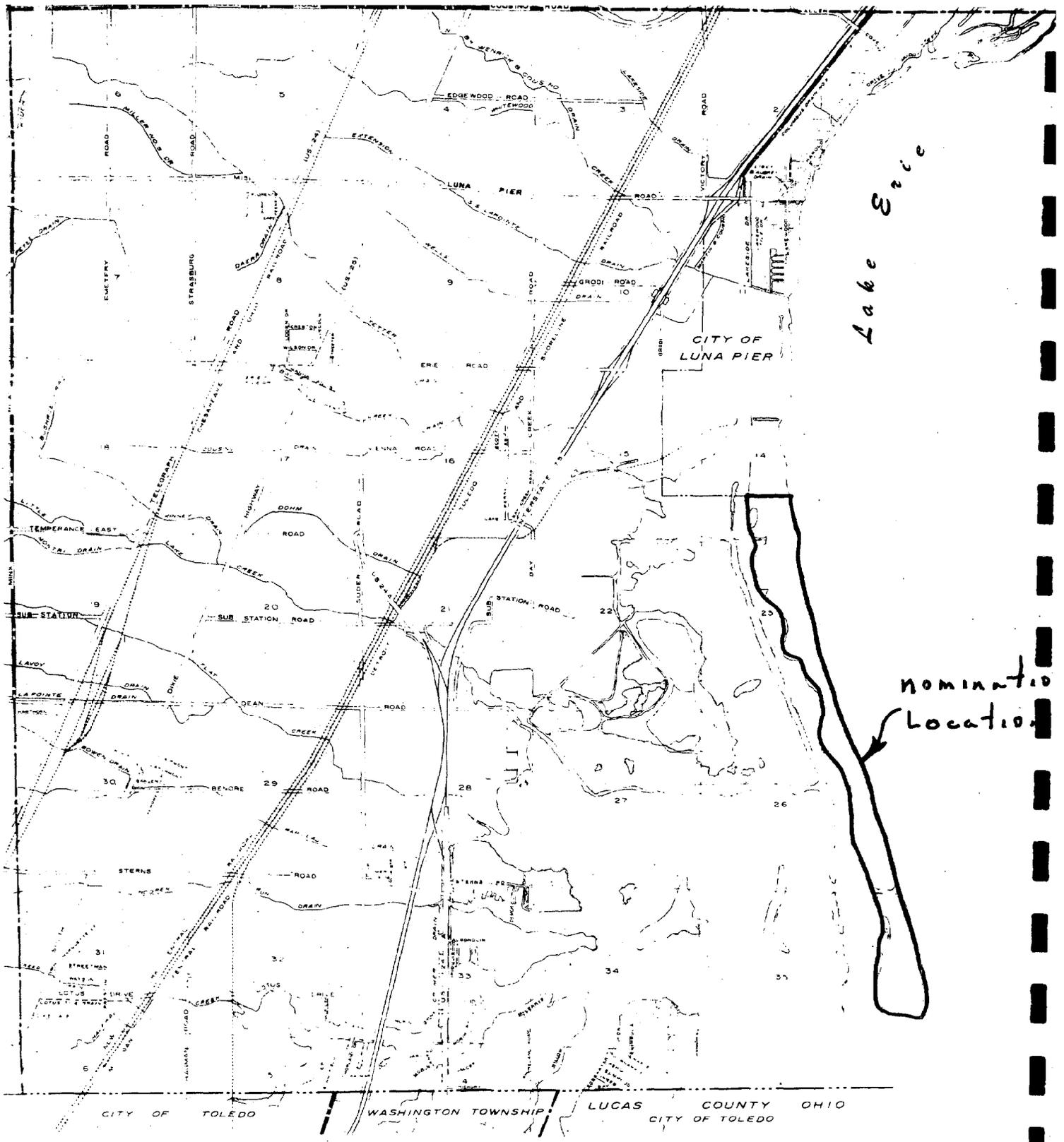
If this peninsula disappears, the Erie State Game Area would be quite susceptible to erosion and extinction.

Describe management needs:

1. Try to protect from further erosion or bring back to original form.

Prepared by:
 Monroe County Coastal Zone
 Taskforce
 1410 East First Street
 Monroe, Michigan 48161

Comments:



Lake Erie

Nominatio Location

BASE MAP OF:

ERIE TOWNSHIP

MONROE COUNTY PLANNING COMMISSION

MONROE COUNTY, MICHIGAN



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ISLAND AREA OF PARTICULAR CONCERN

Name: (Odeen) Indian and Gard Islands and other small ones in Erie State Game Area.
 County: Monroe
 Township: Erie
 Town, range and section: T8S, R8E, Sections 26, 27, 34 and 35.

Present Ownership: Private (Gard is Ottawa Bay Development Company)
Public (Indian is State of Michigan and other smaller nameless islands).
 Present Uses: Nesting of water fowl and vacant
 Anticipated changes or increases in use or development (within ten year time frame):
No change in usage.

Should these islands be designated in their entirety?

These islands of Indian (Odeen), Gard, and other nameless ones should be designated in their entirety.

Unique physical or biological characteristics:

They are located in an area of ecological importance, namely the Erie State Game Area and vicinity. They are used by the various water fowl and fish as nesting, spawning, resting, and feeding sites.

Briefly describe issues relating to this island:

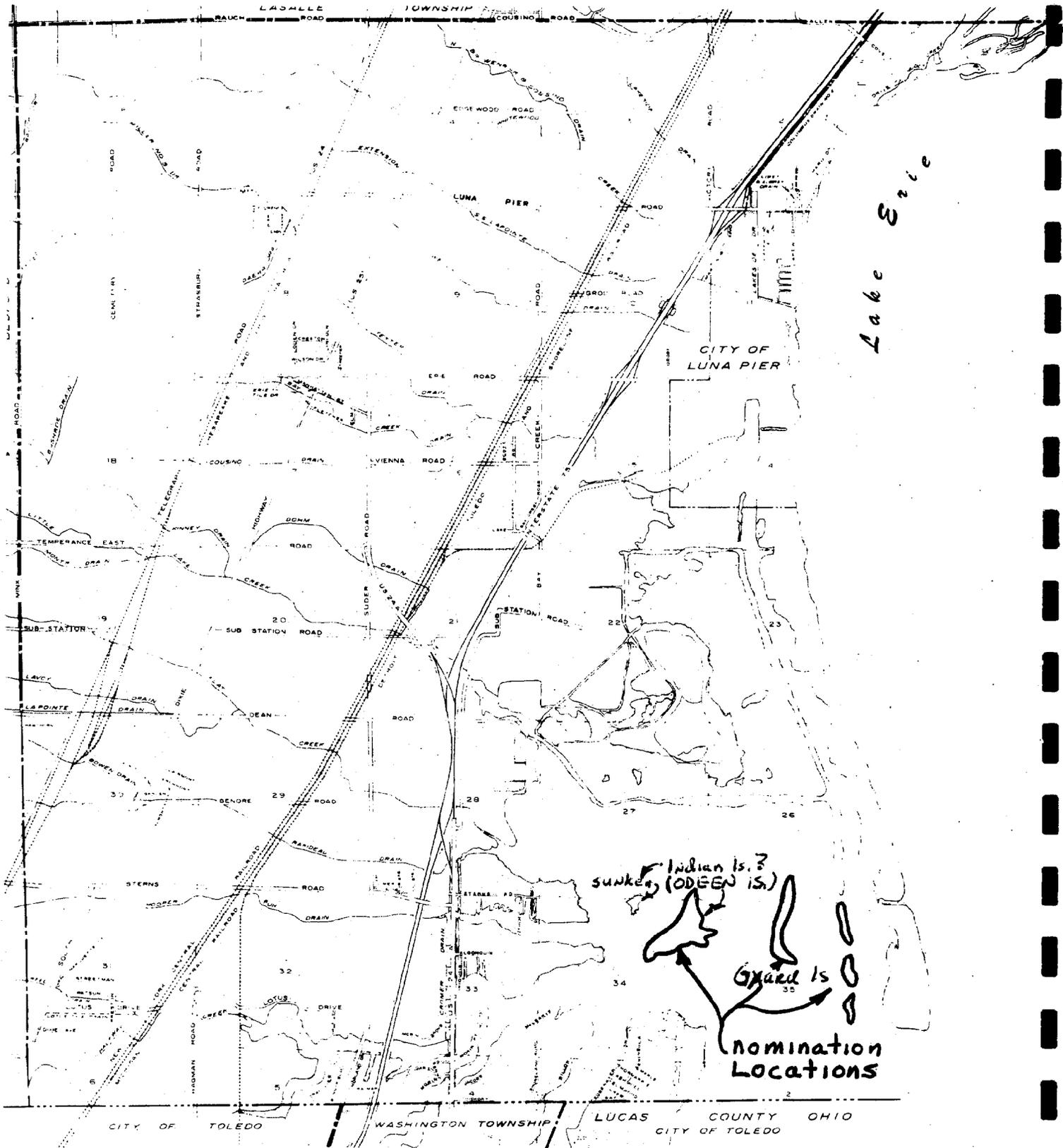
They are some of the few islands in ecological areas in Monroe County and should be preserved for their use as nesting, rest, feeding, and spawning for the various water fowl, mammals, and fish that habitate the area.

Briefly describe management needs:

1. To keep in natural state and protect from erosion.

Other Comments:

Prepared by:
 Monroe County Coastal Zone Taskforce
 1410 East First Street
 Monroe, Michigan 48161



BASE MAP OF:		ERIE TOWNSHIP	
MONROE PLANNING	COUNTY COMMISSION	MONROE COUNTY, MICHIGAN	
PREPARED BY THE MONROE COUNTY PLANNING COMMISSION FROM THE RECORDS OF THE MONROE COUNTY PLANNING COMMISSION AND THE RECORDS OF THE MONROE COUNTY COMMISSION		DATE: 1968 SCALE: AS SHOWN DRAWN BY: J. W. BROWN	

APPENDIX "D"

Public Nominations

RECEIVED

Nominator: Lake Erie Advisory Committee

Address: 1216 Riverview
Monroe, Michigan 48161

Date: April 14, 1976

APR 15 1976

SOUTHERN MICHIGAN
COUNCIL OF GOVERNMENTS

COASTAL AREAS OF PARTICULAR CONCERN NOMINATION FORM

Name of area nominated: Union Camp Marsh

Location: County Monroe

Township, City or Village City of Monroe

Boundary features (rivers, roads, section lines, etc.) T7S R9E Sections 4 & 9
I-75 at the River Raisin (south boundary) in Monroe near Ford stamping
plant and adjacent to Sterling State Park. Elm St. on the South and I-75
on the West (a small parcel of marsh exists on the west side of I-75 also.

Present Ownership: Private (Union Camp Paper Company)

Under which category does this area qualify? (Please check only one)

- | | |
|--|--|
| <input type="checkbox"/> high risk erosion | <input type="checkbox"/> island |
| <input type="checkbox"/> flood hazard | <input type="checkbox"/> coastal lake, rivermouth, bay |
| <input checked="" type="checkbox"/> ecologically sensitive | <input type="checkbox"/> urban |
| <input type="checkbox"/> natural area | <input type="checkbox"/> mineral resource |
| <input type="checkbox"/> recreation area | <input type="checkbox"/> agricultural |
| <input type="checkbox"/> historic and archeologic site | <input type="checkbox"/> prime industrial |
| <input type="checkbox"/> sand dune | <input type="checkbox"/> water transportation |

Why is this area of particular concern to you? (physical characteristics, damages, opportunities, present use, problems, etc.) This is a true wetland area which represents the last remnant of the famous Monroe Marshes. The area is used by a great variety of birds in residence and in migration. It represents a spawning area for fish and is a haven for muskrats. The habitat is suitable for establishing beds of American Lotus.

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.) The marsh should be added to the public trust. Both parcels of marsh east and west of I-75 should be acquired and held in the natural condition for the benefit of posterity. The marshes are in close proximity to Sterling State Park and the famous battleground site from the war of 1812.

Other comments: The Union Camp Marsh is accessible from and in full view of I-75. The natural aura of the wetlands is stark relief from the monotonous, non-descript, flat terrain so common along I-75 and I-275 north of Monroe. This area presents great fascination for tourists entering Michigan especially if lotus blooms were in evidence during late summer.

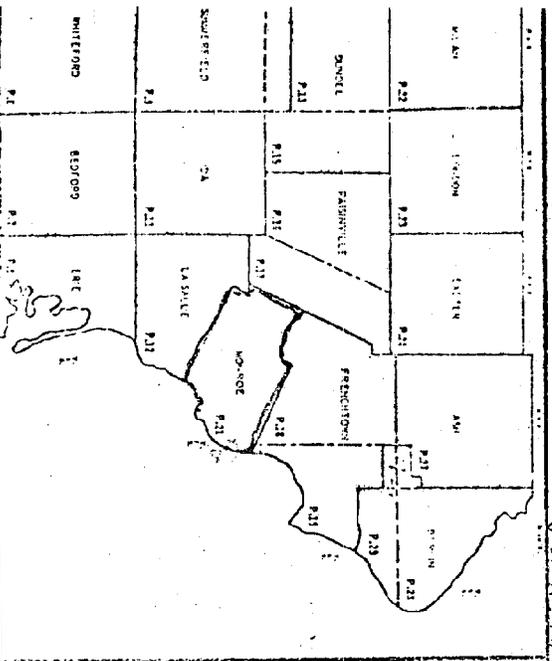
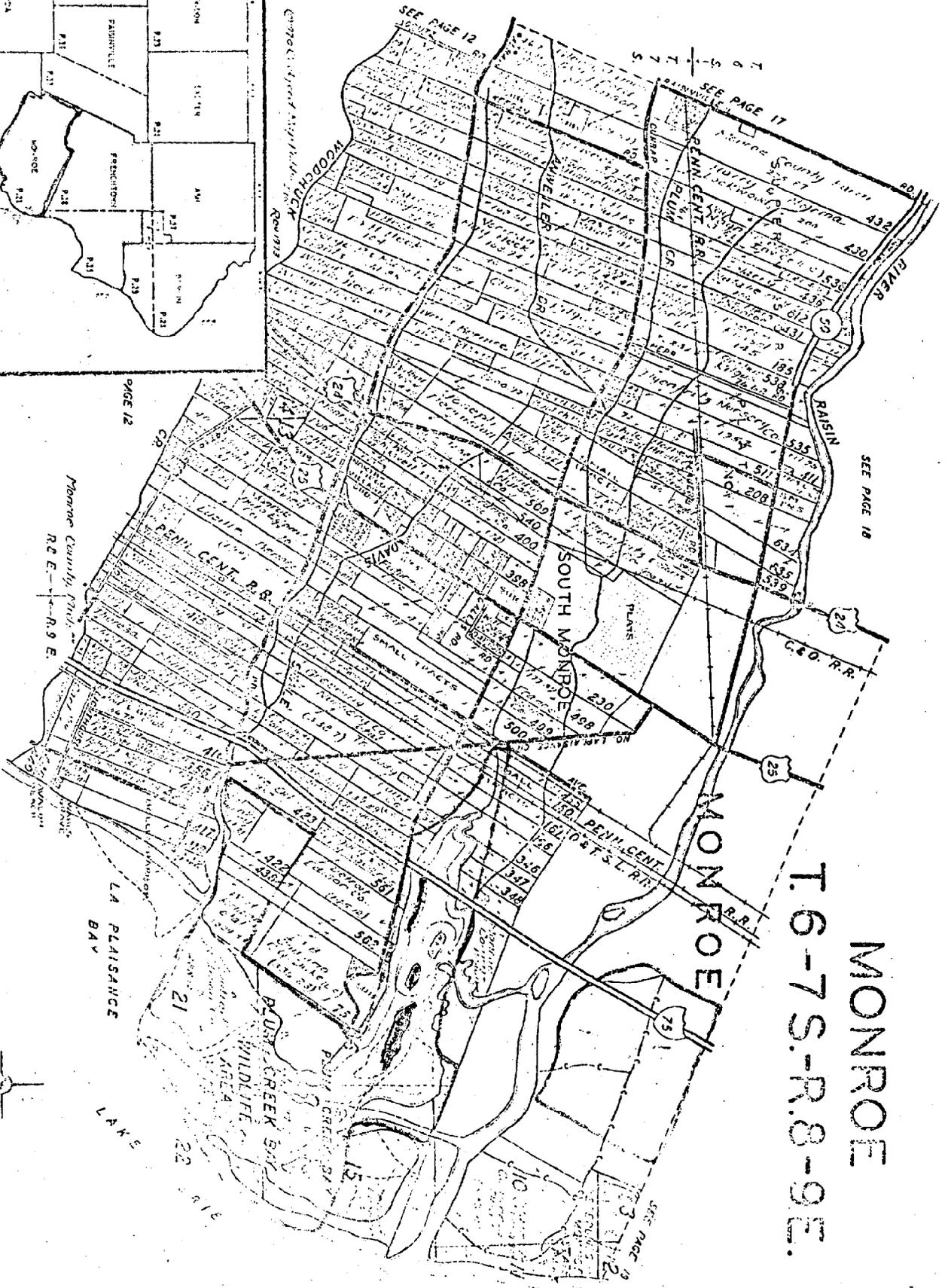
PLEASE RETURN ~~to~~ TO:

Citizen Shorelands Advisory Council
Michigan Department of Natural Resources
Stevens T. Mason Building
Lansing, Michigan 48926

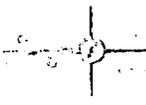
OR:

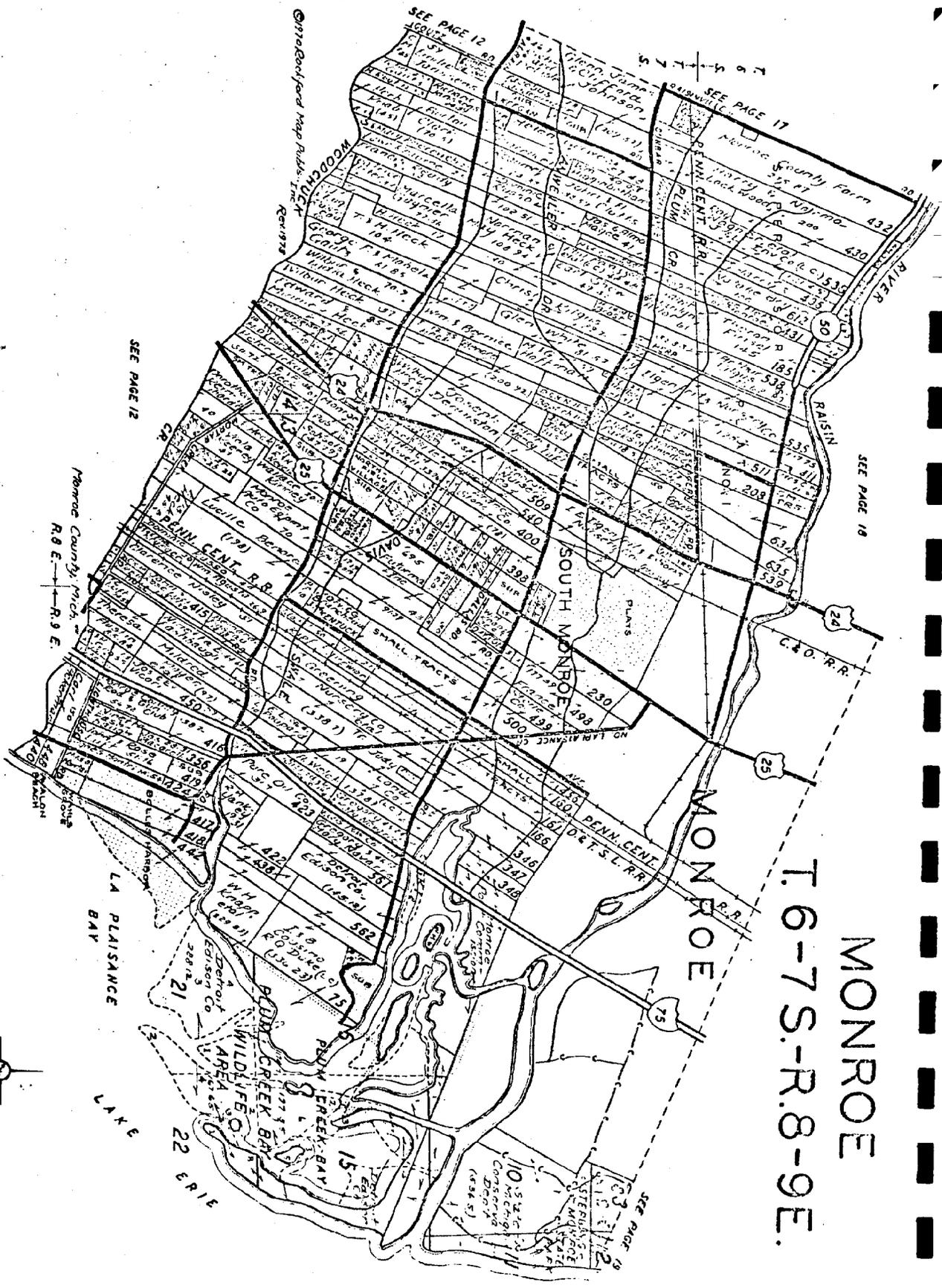
MONROE

T.6-7S.-R.8-9E.



Ecologically Sensitive Areas





MONROE

T. 6-7-S. R. 8-9E.

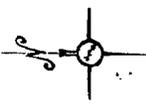
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SEE PAGE 12

SEE PAGE 17

SEE PAGE 18

Monroe County, Mich.
R. 8 E. — R. 9 E.



Nominator: Joseph P. Kleiman 28-03-0390-PN-0-1
Address: 18915 Redford
Birmingham, MI 48009

COASTAL AREAS OF PARTICULAR CONCERN NOMINATION FORM

Name of area nominated: Union Camp Marsh, near Monroe

Location: County Monroe
Township, City or Village Monroe
Boundary features (rivers, roads, section lines, etc.) East of I-75, just north of Raisin River

Present Ownership: Union Camp

Under which category does this area qualify? (Please check only one)

- | | |
|--|--|
| <input type="checkbox"/> high risk erosion | <input type="checkbox"/> island |
| <input type="checkbox"/> flood hazard | <input type="checkbox"/> coastal lake, rivermouth, bay |
| <input checked="" type="checkbox"/> ecologically sensitive | <input type="checkbox"/> urban |
| <input type="checkbox"/> natural area | <input type="checkbox"/> mineral resource |
| <input type="checkbox"/> recreation area | <input type="checkbox"/> agricultural |
| <input type="checkbox"/> historic and archeologic site | <input type="checkbox"/> prime industrial |
| <input type="checkbox"/> sand dune | <input type="checkbox"/> water transportation |

Why is this area of particular concern to you? (physical characteristics, damages opportunities, present use, problems, etc.) Union Camp was willing to sell a few years ago. Area is excellent for migrating birds and breeding birds

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.) Public acquisition for wildlife refuge and natural area

Other comments: Marshes west of I-75 should be preserved also. I think there are also owned by Union Camp.

PLEASE RETURN TO:

Citizen Shorelands Advisory Council
Michigan Department of Natural Resources OR:
Stevens T. Mason Building
Lansing, Michigan 48926

Date received <u>4-14</u>	Date forwarded to State Agency _____
Date forwarded to Region _____	State Agency action _____
Regional Action _____	_____
staff approval _____	_____
Commission Approval _____	_____

RECEIVED

APR - 6 1976

SOUTHEAST MICHIGAN
COUNCIL OF GOVERNMENTS

Nominator: Lotus Garden Club
Address: 1216 Riverview
Monroe, Michigan 48161
Date: April 5, 1976

COASTAL AREAS OF PARTICULAR CONCERN NOMINATION FORM

Name of area nominated: Lotus Beds

Location: County Monroe
Township, City or Village Berlin, Frenchtown, Monroe, LaSalle and Erie Twp.
Boundary features (rivers, roads, section lines, etc.) R8E, R9E and R10E
The lower reaches of Swan Creek in Berlin Twp., Plum Creek Bay in Monroe
Twp., Otter Creek in LaSalle Twp. and Muddy, Bay and Halfway Creeks in Erie
Twp.

Present Ownership: Public and Private

Under which category does this area qualify? (Please check only one)

- | | |
|--|--|
| <input type="checkbox"/> high risk erosion | <input type="checkbox"/> island |
| <input type="checkbox"/> flood hazard | <input type="checkbox"/> coastal lake, rivermouth, bay |
| <input checked="" type="checkbox"/> ecologically sensitive | <input type="checkbox"/> urban |
| <input type="checkbox"/> natural area | <input type="checkbox"/> mineral resource |
| <input type="checkbox"/> recreation area | <input type="checkbox"/> agricultural |
| <input type="checkbox"/> historic and archeologic site | <input type="checkbox"/> prime industrial |
| <input type="checkbox"/> sand dune | <input type="checkbox"/> water transportation |

Why is this area of particular concern to you? (physical characteristics, damages, opportunities, present use, problems, etc.) The American Lotus (Nelumbo lutea)
is considered to be an endangered species by the State of Michigan. It has been
on the list of protected species for a number of years prior to the endangered
designation accorded in 1976.

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.) Public acquisition should be supplemented by a restoration or
seed planting program with permission of private owners on a continuing basis.
Smiths Island, formerly Lotus Island, in the Plum Creek Bay Wildlife Area should
be given special consideration for restoration of lotus beds.

Other comments: The State should attempt to reintroduce American Lotus (Nelumbo lutea)
at Sterling State park where the public could observe the spectacular beauty of
lotus in bloom.

PLEASE RETURN ~~THIS FORM~~ TO:

Citizen Shorelands Advisory Council
Michigan Department of Natural Resources
Stevens T. Mason Building
Lansing, Michigan 48926

OR:

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APR - 6 1976

SOUTHEAST MICHIGAN
COUNCIL OF GOVERNMENTS

Nominator: Lake Erie Advisory Committee
Address: 1216 Riverview
Monroe, Michigan 48161
Date: April 5, 1976

COASTAL AREAS OF PARTICULAR CONCERN NOMINATION FORM

Name of area nominated: Smiths, Foleys and Kauslers Islands

Location: County Monroe
Township, City or Village Monroe Township
Boundary features (rivers, roads, section lines, etc.) T7S R9E Section 16
located in Monroe Harbor, east of I-75 in Plum Creek near Lake Erie and
one mile south of the River Raisin.

Present Ownership: Smiths Island is owned by the Port of Monroe. Foleys and
Kauslers Islands are in private ownership.

Under which category does this area qualify? (Please check only one)

- | | |
|--|--|
| <input type="checkbox"/> high risk erosion | <input checked="" type="checkbox"/> island |
| <input type="checkbox"/> flood hazard | <input type="checkbox"/> coastal lake, rivermouth, bay |
| <input type="checkbox"/> ecologically sensitive | <input type="checkbox"/> urban |
| <input type="checkbox"/> natural area | <input type="checkbox"/> mineral resource |
| <input type="checkbox"/> recreation area | <input type="checkbox"/> agricultural |
| <input type="checkbox"/> historic and archeologic site | <input type="checkbox"/> prime industrial |
| <input type="checkbox"/> sand dune | <input type="checkbox"/> water transportation |

Why is this area of particular concern to you? (physical characteristics, damages, opportunities, present use, problems, etc.) The islands are an integral part of
the Plum Creek Bay Wildlife Area as designated by the Michigan Conservation Dept.
in 1963 (see map attached). The thermal discharge from the Monroe Power Plant
attracts fish and wildlife and provides open water in the winter for waterfowl.

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.) Public acquisition and re-dedication of the Plum Creek Bay
Wildlife Area.

Other comments: Canvasback ducks were observed by a qualified specialist of the
Michigan Department of Natural Resources to be feeding on alewives in the open water
between the islands in Plum Creek Bay during the second week of February 1976. The
Canvasback is a protected species. Blackcrowed Night Herons use Smiths Island also.

PLEASE RETURN ~~THIS FORM~~ TO:

Citizen Shorelands Advisory Council
Michigan Department of Natural Resources
Stevens T. Mason Building
Lansing, Michigan 48926

OR:

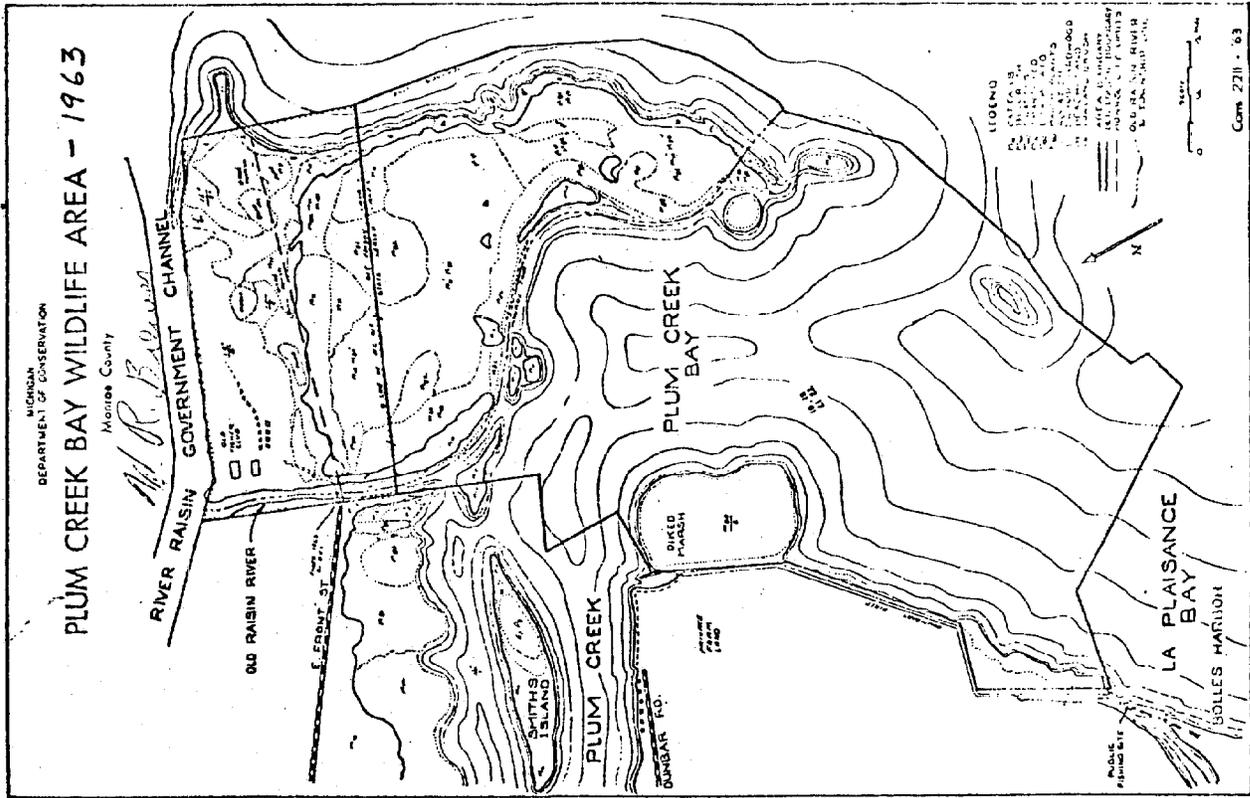
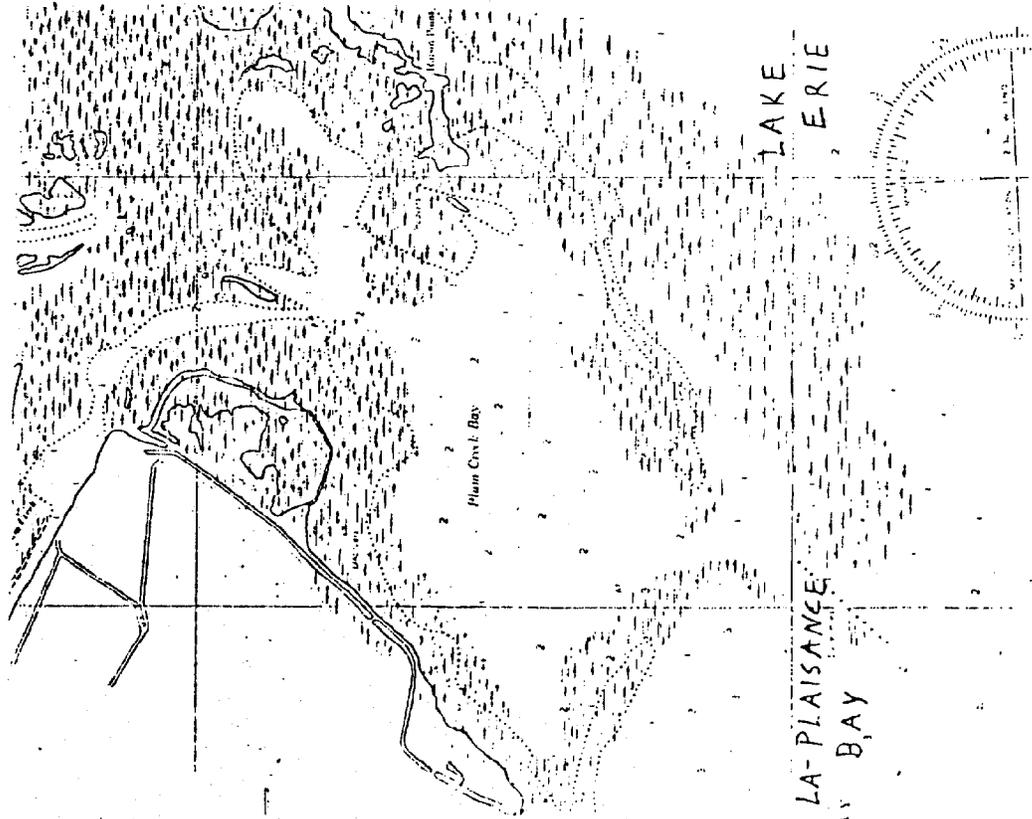
CORPS OF ENGINEERS
U. S. ARMY
U. S. LAKE SURVEY

WEST END OF LAKE ERIE

1963
SCALE 1:50,000
SOUNDINGS IN FEET

FEET

STATUTE MILES



Cons 2211 - 63

Nominator: Lotus Garden Club
Address: 1216 Riverview
Monroe, Michigan 48161
Date: April 5, 1976

28-03-0455-GN-03
28-04-0456-GN-03

COASTAL AREAS OF PARTICULAR CONCERN NOMINATION FORM

Name of area nominated: Lotus Beds

Location: County Monroe
Township, City or Village Berlin, Frenchtown, Monroe, LaSalle and Eric Twp.
Boundary features (rivers, roads, section lines, etc.) R3E, R9E and R10E
The lower reaches of Swan Creek in Berlin Twp., Plum Creek Bay in Monroe
Twp., Otter Creek in LaSalle Twp. and Muddy, Bay and Halfway Creeks in Eric
Twp.

Present Ownership: Public and Private NL

Under which category does this area qualify? (Please check only one)

- | | |
|--|--|
| <input type="checkbox"/> high risk erosion | <input type="checkbox"/> island |
| <input type="checkbox"/> flood hazard | <input type="checkbox"/> coastal lake, rivermouth, bay |
| <input checked="" type="checkbox"/> ecologically sensitive | <input type="checkbox"/> urban |
| <input type="checkbox"/> natural area | <input type="checkbox"/> mineral resource |
| <input type="checkbox"/> recreation area | <input type="checkbox"/> agricultural |
| <input type="checkbox"/> historic and archeologic site | <input type="checkbox"/> prime industrial |
| <input type="checkbox"/> sand dune | <input type="checkbox"/> water transportation |

Why is this area of particular concern to you? (physical characteristics, damages; opportunities, present use, problems, etc.) The American Lotus (Nelumbo lutea)
is considered to be an endangered species by the State of Michigan. It has been
on the list of protected species for a number of years prior to the endangered
designation accorded in 1976.

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.) Public acquisition should be supplemented by a restoration or
seed planting program with permission of private owners on a continuing basis.
Smiths Island, formerly Lotus Island, in the Plum Creek Bay Wildlife Area should
be given special consideration for restoration of lotus beds.

Other comments: The State should attempt to reintroduce American Lotus (Nelumbo lutea)
at Sterling State park where the public could observe the spectacular beauty of
lotus in bloom.

PLEASE RETURN ~~THIS FORM TO:~~ TO:

Citizen Shorelands Advisory Council
Michigan Department of Natural Resources
Stevens T. Mason Building
Lansing, Michigan 48926

Date received <u>4-30</u>	Date forwarded to State Agency _____
Date forwarded to Region _____	State Agency action _____
OR:	
Regional Action _____	_____
Staff approval _____	rejected _____
Commissioner approval _____	other _____

RECEIVED

Nominator: Monroe County Rod and Gun Club
Address: P.O. Box No. One
Monroe, Michigan 48161
Date: April 5, 1976

APR - 6 1976

SOUTHWEST MICHIGAN
COUNCIL OF GOVERNMENTS

COASTAL AREAS OF PARTICULAR CONCERN NOMINATION FORM

Name of area nominated: Plum Creek Bay Wildlife Area

Location: County Monroe
Township, City or Village Monroe Township
Boundary features (rivers, roads, section lines, etc.) T7S R9E Section 16
Foot of E. Dunbar Rd., Monroe, Michigan - Extends from Kentucky Ave. on
the west to Lake Erie on the East.

Present Ownership: Public (Port of Monroe) Private (Detroit Edison - residential)

Under which category does this area qualify? (Please check only one)

- | | |
|--|--|
| <input type="checkbox"/> high risk erosion | <input type="checkbox"/> island |
| <input type="checkbox"/> flood hazard | <input type="checkbox"/> coastal lake, rivermouth, bay |
| <input checked="" type="checkbox"/> ecologically sensitive | <input type="checkbox"/> urban |
| <input type="checkbox"/> natural area | <input type="checkbox"/> mineral resource |
| <input type="checkbox"/> recreation area | <input type="checkbox"/> agricultural |
| <input type="checkbox"/> historic and archeologic site | <input type="checkbox"/> prime industrial |
| <input type="checkbox"/> sand dune | <input type="checkbox"/> water transportation |

Why is this area of particular concern to you? (physical characteristics, damages, opportunities, present use, problems, etc.) Thermal discharge from the Monroe Power Plant attracts fish and wildlife. Open water condition persists through the winter freeze and holds migratory birds that subsist on fish ie. alewives

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.) The entire area influenced by the thermal discharge including Plum Creek up to Foleys Island should be designated as a "green belt" with at least a 200 foot set back to encourage regeneration of wildlife habitat.

Other comments: Restoration of environmental values along the Monroe Waterfront is dependent on the establishment of a wildlife reserve which recognizes the habitat potential inherent in the open spaces provided by flyash basins and the thermal characteristics of the power plant discharge. It would be ecologically irresponsible to ignore the influences generated by the operations of the Monroe Power Plant as an indirect benefit to wildlife reserves.

PLEASE RETURN BY APRIL 1, 1976 TO:

Citizen Shorelands Advisory Council
Michigan Department of Natural Resources
Stevens T. Mason Building
Lansing, Michigan 48926

OR:

28-03-0457-GN-03

3

Nominator: ILYA MARITIME COORD COMM
Address: 471 ARBOR HOE
MORRIS MI
48161

COASTAL AREAS OF PARTICULAR CONCERN NOMINATION FORM

Name of area nominated: PUMP CREEK BAY WILDLIFE AREA

Location: County Morris
Township, City or Village City of Morris
Boundary features (rivers, roads, section lines, etc.) _____

Present Ownership: City of Morris

Under which category does this area qualify? (Please check only one)

- | | |
|--|--|
| <input type="checkbox"/> high risk erosion | <input type="checkbox"/> island |
| <input type="checkbox"/> flood hazard | <input type="checkbox"/> coastal lake, rivermouth, bay |
| <input checked="" type="checkbox"/> ecologically sensitive | <input type="checkbox"/> urban |
| <input type="checkbox"/> natural area | <input type="checkbox"/> mineral resource |
| <input type="checkbox"/> recreation area | <input type="checkbox"/> agricultural |
| <input type="checkbox"/> historic and archeologic site | <input type="checkbox"/> prime industrial |
| <input type="checkbox"/> sand dune | <input type="checkbox"/> water transportation |

Why is this area of particular concern to you? (physical characteristics, damages, opportunities, present use, problems, etc.) This area has been used for a long time however there is some areas left that are worth saving

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.) Business & industry what is still left. A State park would be desirable.

Other comments: City of Morris must act as a public Agency. City of Morris with a Land Use Plan should be required to contain the Industrial Land Use.

PLEASE RETURN BY APRIL 1, 1976 TO:

Citizen Shorelands Advisory Council
Michigan Department of Natural Resources
Stevens T. Mason Building
Lansing, Michigan 48926

Date received <u>4-30</u>	Date forwarded to State Agency _____
Date forwarded to Region _____	State Agency action _____
Regional Action	
<input type="checkbox"/> staff approval	<input type="checkbox"/> referred
<input type="checkbox"/> commission approval	<input type="checkbox"/> other

Nominator: ASSOCIATED YACHT CLUBS

Address: 471 ARDAR DR
MONROE MI 48061

LARRY LAIBAND ENVIRONMENTAL COMMITTEE

ZB-03-04596N-03

COASTAL AREAS OF PARTICULAR CONCERN NOMINATION FORM

Name of area nominated: PHUMB CREEK BAY WILDLIFE AREA

Location: County MONROE
Township, City or Village _____

Boundary features (rivers, roads, section lines, etc.) WEST KENTUCKEE
EAST LAKE SUE NORTH RAISIN RIVER 90 DUNBAR
RD.

Present Ownership: PRIVATE, PUBLIC, PORT OF MONROE &
THE DETROIT EDISON CO.

Under which category does this area qualify? (Please check only one)

- | | |
|--|--|
| <input type="checkbox"/> high risk erosion | <input type="checkbox"/> island |
| <input type="checkbox"/> flood hazard | <input type="checkbox"/> coastal lake, rivermouth, bay |
| <input checked="" type="checkbox"/> ecologically sensitive | <input type="checkbox"/> urban |
| <input type="checkbox"/> natural area | <input type="checkbox"/> mineral resource |
| <input type="checkbox"/> recreation area | <input type="checkbox"/> agricultural |
| <input type="checkbox"/> historic and archeologic site | <input type="checkbox"/> prime industrial |
| <input type="checkbox"/> sand dune | <input type="checkbox"/> water transportation |

Why is this area of particular concern to you? (physical characteristics, damages, opportunities, present use, problems, etc.) RESTING AREA FOR DUCKS &
DURING MIGRATION, NURSERY FOR FISH & WILDLIFE.
RETURN THE BEINS BEDS ALONG RAISIN PT

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.) RETURN TO THE PUBLIC TRUST.
RESTORE AND WILDLIFE HABITAT, NATURAL WITH
IF UNDEGRADED HABITAT WITH INDUSTRY

Other comments: IF THESE MARSHES ARE DESTROYED THEY ARE
GONE FOREVER. WE BORROW THE ENVIRONMENT FROM OUR
GRANDCHILDREN LETS PRESERVE IT FOR THEM

PLEASE RETURN BY APRIL 1, 1975 TO:

Citizen Shorelands Advisory Council
Michigan Department of Natural Resources
Stevens T. Mason Building
Lansing, Michigan 48926

Date received <u>4-30</u>	Date forwarded to State Agency _____
Date forwarded to Region _____	OR: State Agency action _____
Regional Action _____	_____
state approval _____	rejected _____
commission approval _____	other _____

Nominator: ASSOCIATED YACHT CLUBS
Address: 471 ARBOR AVE
MONTPELIER MI 48151
GARY HEIBOND ENVIRONMENTAL COMMITTEE

COASTAL AREAS OF PARTICULAR CONCERN NOMINATION FORM
26-00-0460-GN-01

Name of area nominated: BERIER BEACHES OF WEST SHORE LAKE ERIE

Location: County MONTPELIER HAS ALL OF THE WEST END OF LAKE
Township, City or Village LUNARIER, FRENCHTOWN MONTPELIER, ERIE PERLIE
Boundary features (rivers, roads, section lines, etc.) RAVIN PT,
WOODTICK, STERLING STATE PARK, PHUMB CREEK
WILDLIFE AREA, ERIE STATE GAME AREA.

Present Ownership: PRIVATE + PUBLIC

Under which category does this area qualify? (Please check only one)

- | | |
|--|--|
| <input checked="" type="checkbox"/> high risk erosion | <input type="checkbox"/> island |
| <input type="checkbox"/> flood hazard | <input type="checkbox"/> coastal lake, rivermouth, bay |
| <input type="checkbox"/> ecologically sensitive | <input type="checkbox"/> urban |
| <input type="checkbox"/> natural area | <input type="checkbox"/> mineral resource |
| <input checked="" type="checkbox"/> recreation area | <input type="checkbox"/> agricultural |
| <input type="checkbox"/> historic and archeologic site | <input type="checkbox"/> prime industrial |
| <input type="checkbox"/> sand dune | <input type="checkbox"/> water transportation |

Why is this area of particular concern to you? (physical characteristics, damages, opportunities, present use, problems, etc.) TREES OVER 100 YEARS OLD
HAVE BEEN UPRROOTED SOME FOREVER.
WE MUST KEEP THIS WESTERN BERIER AT ALL COSTS

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.) PRESERVE AT ALL COSTS. THESE AREAS
ARE THE NURSERY OF LAKE ERIE FISH & WILDLIFE

Other comments: DREDGE DISPOSAL SITES TO PROTECT & PRESERVE
THE BERIER BEACHES MUST BE ENCOURAGED

PLEASE RETURN BY ~~APRIL 1985~~ TO:

Citizen Shorelands Advisory Council
Michigan Department of Natural Resources
Stevens T. Mason Building
Lansing, Michigan 48926

Date received <u>4-30</u>	Date forwarded to State Agency _____
<u>OK</u>	
Date forwarded to Region _____	State Agency action _____
Regional Action _____	
staff approval _____	rejected _____
commission approval _____	other _____

RECEIVED

APR - 6 1976

SOUTHERN MICHIGAN COUNCIL OF GOVERNMENTS

Nominator: Lake Erie Advisory Committee
Address: 1216 Riverview
Monroe, Michigan 48161
Date: April 5, 1976

COASTAL AREAS OF PARTICULAR CONCERN NOMINATION FORM

Name of area nominated: All remaining tree lined barrier beaches on the west shore of Lake Erie.

Location: County Monroe
Township, City or Village Berlin, Frenchtown, LaSalle, Erie Townships
Boundary features (rivers, roads, section lines, etc.) R8E R9E R10E
The entire west shore of Lake Erie including such places as Lagoona Beach, Sterling State Park, Raisin Point, Woodtick Penninsula etc.

Present Ownership: Public and Private

Under which category does this area qualify? (Please check only one)

- | | |
|--|--|
| <input checked="" type="checkbox"/> high risk erosion | <input type="checkbox"/> island |
| <input type="checkbox"/> flood hazard | <input type="checkbox"/> coastal lake, rivermouth, bay |
| <input type="checkbox"/> ecologically sensitive | <input type="checkbox"/> urban |
| <input type="checkbox"/> natural area | <input type="checkbox"/> mineral resource |
| <input type="checkbox"/> recreation area | <input type="checkbox"/> agricultural |
| <input type="checkbox"/> historic and archeologic site | <input type="checkbox"/> prime industrial |
| <input type="checkbox"/> sand dune | <input type="checkbox"/> water transportation |

Why is this area of particular concern to you? (physical characteristics, damages, opportunities, present use, problems, etc.) Ancient cottonwood trees line sandy barrier beaches which are being washed away by wave action of Lake Erie. This is a unique geographical feature of western Lake Erie and is on the verge of vanishing forever. The barrier beach at Pte. Mouillee is gone and the Woodtick is fast going.

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.) Every effort must be made to limit sand mining operations and dredging of water intake channels for utilities. Restoration of barrier beaches with confined disposal facilities ie. Pte. Mouillee Barrier Island is a good alternative.

Other comments: Dredge cuts and borrow pits have destroyed many segments of this unique topography. Alternative disposal sites for Ottawa River Dredgings should consider eroded sections of the Woodtick Penninsula as an artificial barrier concept that does not clash with the natural terrain of western Lake Erie.

PLEASE RETURN TO:

Citizen Shorelands Advisory Council
Michigan Department of Natural Resources
Stevens T. Mason Building
Lansing, Michigan 48926

OR:

TO 2423 + 2424 9009

Nominator: ILYA MARITIME COMM.
Address: 471 ARBOR AVE
MANRUE MI
48161

28-00-04586N-01

COASTAL AREAS OF PARTICULAR CONCERN: NOMINATION FORM

Name of area nominated: Beaches
The Beaches Along The West Shore

Location: County Washtenaw
Township, City or Village _____
Boundary features (rivers, roads, section lines, etc.) _____

Present Ownership: There are public & private

Under which category does this area qualify? (Please check only one)

- | | |
|---|-------------------------------------|
| <input checked="" type="checkbox"/> high risk erosion | _____ island |
| _____ flood hazard | _____ coastal lake, rivermouth, bay |
| _____ ecologically sensitive | _____ urban |
| _____ natural area | _____ mineral resource |
| _____ recreation area | _____ agricultural |
| _____ historic and archeologic site | _____ prime industrial |
| _____ sand dune | _____ water transportation |

Why is this area of particular concern to you? (physical characteristics, damages, opportunities, present use, problems, etc.) These beaches act as a buffer to the shore line. Washtenaw County has suffered loss at many places along the shore of Lake Erie.

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.) Protective Buffers & Widened Sea Walls as shown to protect these ocean areas.

Other comments: _____

PLEASE RETURN BY APRIL 1, 1976 TO:

Citizen Shorelands Advisory Council
Michigan Department of Natural Resources
Stevens T. Mason Building
Lansing, Michigan 48926

Date received	OR: <u>4-30</u>	Date forwarded to State Agency	_____
Date forwarded to Region	_____	State Agency action	_____
Regional Action	_____	_____	_____
staff approval	_____	rejected	_____
commission approval	_____	other	_____

(LARGE, RIVER MOUTH, & BAYS OF JARVIS) 5

~~DATE RECEIVED~~ 28-03-0261-FA-09

Name (if any): Raisin River, Plumb Creek Bay
County: Monroe Co.
Township:
City or Village: Monroe
Town, range and section: T7S, R9E Sections 15, 16, 22 T8SR9E
Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines):

Present Ownership: primarily private, some public - Monroe Port Commission
Present Use: mixed marsh - receives silt from maintenance dredging

Anticipated changes in use or development (within ten year time frame): Increased fill activity; industrial expansion

Surrounding land-use(s): Power plant wash disposal pits - Detroit Edison
now consists area once designated Plumb Creek Bay Wildlife Area

Environmental characteristics:
Highly productive ecosystem - fisheries & waterfowl production area

Date received	4-8	Date forwarded to State Agency	
Date forwarded to Region	4-15	State Agency action	
Regional Action			
staff approval	rejected		
commission approval	other		

Briefly describe issues relating to this area:
Popular fishing area - especially around power plant discharge
Tremendous amount of dredging & ^{filling} has seriously degraded the estuary.
& water quality is poor. Monroe Port Commission - spoiling area
Power plant water use takes all or flows ^{even} reversing flow & thermal discharge
may be harmful to fisheries of area

Briefly describe management needs:
Restoration should be undertaken
Privately-owned, unaltered portions should be purchased or zoned natural
Control of the former Plumb Creek Bay WL area should be returned to
Michigan DWR & redesignated as a WL area or recreational park
Management potential for waterfowl is high

Other comments:
Relocation of Port Authority landfill dikes to preserve integrity
Smith's Island should be undertaken

COSTAL LAKES, RIVER MOUTHS & BAYS of PART. CONCERN
~~ALL INFORMATION CONTAINED~~

28-04-0260-FA-09

Name (if any): Sulphur Creek & Muddy Creek Estuary
County: MORRISSE Co.
Township: LaSalle
City or Village: _____
Town, range and section: T75, R8E
Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): South end - Allens Cove

Present Ownership: _____
Present Use: marina development - a large portion remains unaltered
Anticipated changes in use or development (within ten year time frame): future modification & development; expansion of marina facilities
Surrounding land-use(s): _____

Environmental characteristics:

Area is relatively secluded and is therefore attractive to wildlife, especially waterfowl - some nesting occurs here.
High water levels resulting in marsh reclamation.
Heavily vegetated dikes provide nesting cover for shore & song birds.
Herons & egrets common + migratory wildlife make extensive use of the area.

Briefly describe issues relating to this area:

Date received	<u>4-9</u>	Date forwarded to State Agency	_____
Date forwarded to Region	<u>4-15</u>	State Agency action	_____
Regional Action	_____	_____	_____
staff approval	_____	rejected	_____
commission approval	_____	other	_____

Briefly describe management needs:

Discourage further development through zoning or public acquisition.
Expansion of marina facilities should be allowed only in area north of Tolc Beach.
Marsh south and west of existing marina should remain unaltered.
Other comments: Should receive "environmental area" designation

AREA OF ECOLOGICAL IMPORTANCE **28-01-0259-FA-091**
 Coastal Lanes, River Mouths, & Bays of Wash. Concern.

Name (if any): Pointe Mouille wetlands outside SGA boundaries
 County: MadRoe Co.
 Township: Berkley Twp.
 City or Village: _____
 Town, range and section: T55, R10E, T6S R10E
 Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): _____

Present Ownership: private
 Present Use: agricultural, waterfowl; fishing & fur-bearing value
 Anticipated changes in use or development (within ten year time frame): increased use by waterfowl as lake levels recede and aquatic vegetation reestablishes
 Surrounding land-use(s): agricultural - SGA

Environmental characteristics:
typical coastal wetland characteristics - spawning habitat extremely valuable complementing waterfowl areas of State Game area

Briefly describe issues relating to this area:
dredging & filling activities should be prevented

Briefly describe management needs:
acquisition

Date received <u>4-8</u>	Date forwarded to State Agency _____
Date forwarded to Reg. on <u>4-15</u>	State Agency action _____
Regional Action	
_____ staff approval	_____ rejected
_____ commission approval	_____ other

Other comments:

Please return to Water Development Services
 Division, Department of Natural Resources

Prepared by:

USFWS

Nominator: Joseph P. Kleiman
Address: 18915 Redford
Birmingham, MI 48009

7

COASTAL AREAS OF PARTICULAR CONCERN NOMINATION FORM

27-03-0385-PN-C
28-01-0386-PN-C

Name of area nominated: Marshes near Pte. Mouillee

Location: County Wayne and Monroe
Township, City or Village Gibraltar
Boundary features (rivers, roads, section lines, etc.) East of
Dixie Highway from N. Huron River Dr. to
Estrel Beach road

Present Ownership: Varied

Under which category does this area qualify? (Please check only one)

- | | |
|--|--|
| <input type="checkbox"/> high risk erosion | <input type="checkbox"/> island |
| <input type="checkbox"/> flood hazard | <input type="checkbox"/> coastal lake, rivermouth, bay |
| <input checked="" type="checkbox"/> ecologically sensitive | <input type="checkbox"/> urban |
| <input type="checkbox"/> natural area | <input type="checkbox"/> mineral resource |
| <input type="checkbox"/> recreation area | <input type="checkbox"/> agricultural |
| <input type="checkbox"/> historic and archeologic site | <input type="checkbox"/> prime industrial |
| <input type="checkbox"/> sand dune | <input type="checkbox"/> water transportation |

Why is this area of particular concern to you? (physical characteristics, damages, opportunities, present use, problems, etc.) Much of these marshes are
used by breeding and migratory birds. They, however, suffer
from a litter and dumping problem.

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.) Public acquisition by expansion of Pte.
Mouillee State Game Area

Other comments: _____

PLEASE RETURN TO:

Citizen Shorelands Advisory Council
Michigan Department of Natural Resources OR:
Stevens T. Mason Building
Lansing, Michigan 48926

Date received <u>4-14</u>	Date forwarded to State Agency _____
Date forwarded to Region _____	State Agency action _____
Regional Action _____	
staff approval _____	rejected _____
commission approval _____	other _____

COSTAL LAKES, RIVER MOUTHS & BAYS OF PART, CONCERN

~~AND~~ ECOLOGICAL IMPORTANCE

28-04-0268-FA-09

Name (if any): Otter Creek estuary (199 acres)
County: MORRIS
Township: LaSalle
City or Village: North Shores
Town, range and section: T 7S, R 9E Sec 24
Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): La Plaisance Bay on North; North Shores to South

Present Ownership: _____
Present Use: Development on southern bank; northern area relatively unmodified
Anticipated changes in use or development (within ten year time frame): Development pressures will increase; dredging & filling activities threaten to increase
Surrounding land-use(s): Southern bank has been developed.

Environmental characteristics: Otter Creek forms extensive estuary south of LaPlaisance Bay. Probably has best water quality of any stream entering Lake Erie - high quality warm water. Supports an anadromous fish run. Warm water species present include basses, sunfishes, pike, suckers, catfish, chubs, forage species. Area provides a waterfowl resting, feeding, & shelter area. Nesting habitat is available.

Briefly describe issues relating to this area:
Temporary dikes have been constructed because of high lake levels
High potential for fish and wildlife enhancement

Briefly describe management needs:
Evacuation & acquisition should be alternatives considered for flood protection
Public access (primitive type)
Preservation of northern area through acquisition

Other comments:

Date received	<u>4-8</u>	Date forwarded to State Agency	_____
Date forwarded to Region	<u>4-15</u>	State Agency action	_____
Regional Action	_____	_____	_____
staff approval	_____	rejected	_____
commission approval	_____	other	_____

28-02-0267-FA-09

COASTAL LAKES, RIVER MOUTHS AND BAYS OF PARTICULAR CONCERN

Name: STONY CREEK - north of Woodland Beach

County: Monroe

Township(s): Frenchtown T6S, R9E Secs. 25, 30

Present Ownership: _____

Present Uses: _____

Anticipated changes or increases in use or development: Continued filling & development threaten

Special characteristics, conflicts or impacts:

Coastal-Lakes: Remnant of estuary exists. Development of Woodland Beach on south & marina construction on north side of river mouth took most of it. During lower lake level

River Mouths: provides a small stand of emergents still can be found but is no longer connected to Stony Creek does not function as typical lake or estuary although has

Bays: similar fish & wildlife values

Date received <u>4-8</u>	Date forwarded to State Agency _____
Date forwarded to Region <u>4-15</u>	State Agency action _____
Regional Action	
• staff approval _____	rejected _____
commission approval _____	other _____

Briefly describe issues relating to this area:

Briefly describe management needs:

Protection from development -

Other comments:

28-02-0266-FA-09

COASTAL LAKES, RIVER MOUTHS AND BAYS OF PARTICULAR CONCERN

Name: STONY POINT - estuary - located on N. shore Brest Bay
County: MANROE
Township(s): Frenchtown T6S, R9E Sec. 30, 29, 28
Present Ownership: Private

Present Uses: Coastal marsh - waterfowl, muskrat, fishery use

Anticipated changes or increases in use or development: _____

Special characteristics, conflicts or impacts:

~~Coastal Lakes:~~ Functions as coastal marsh. Barrier beach lost during high water storms. Inundated hardwoods surround area. Expected to become more available to fishery resources if water levels remain near current level.

River Mouths: ^{est} Historically - offered nesting, feeding, resting habitat for waterfowl. Estuary remains relatively unmodified.

Bays:

Date received	4-8	Date forwarded to State Agency	
Date forwarded to Region	4-15	State Agency action	
Regional Action			
self approval		rejected	
commission approval		other	

Briefly describe issues relating to this area: Human encroachment, including agricultural, residential, & industrial development nearby represents disturbance factors to wildlife

Briefly describe management needs: Place in Public Ownership & maintain as natural area. Repair of barrier beach might restore as waterfowl mgt. area with use of water level control structures. Prefer natural area preservation.

Other comments: Monitoring would suffice regarding future availability

26-02-0265-FA-09

COASTAL LAKES, RIVER MOUTHS AND BAYS OF PARTICULAR CONCERN

Name: SWAN CREEK ESTUARY + south to Section 21-28 line
County: Macomb
Township(s): Fromtown Secs. 16, 21, 17, + 20
Present Ownership: Mostly Detroit Edison Co.

Present Uses: Energy Farm Power Plant Site

Anticipated changes or increases in use or development: Development anticipated to continue, dredging & filling, standard future conservation

Special characteristics, conflicts or impacts:

Coastal Lakes:

River Mouths: Shallow, relatively wide watercourse estuary situated behind coastal marshland barrier. Has undergone considerable alteration but still is attractive to migratory waterfowl. High lake levels have inundated area destroying emergents. Important spawning & fish nursery area

Briefly describe issues relating to this area:

Date received	<u>4-8</u>	Date forwarded to State Agency	_____
Date forwarded to Region	<u>4-15</u>	State Agency action	_____
Regional Action		_____	
staff approval	_____	rejected	_____
commission approval	_____	other	_____

Briefly describe management needs:

Discourage filling. Marshland north of Swan creek mouth should be good for preservation

Other comments:

Lower lake levels will result in increase in value of area to fish & wildlife

USFWS

28-03-0262-FA-09

COASTAL LAKES, RIVER MOUTHS AND BAYS OF PARTICULAR CONCERN

Name: SANDY CREEK ESTUARY
County: 1
Township(s): T65 R9E Sec. 35
Present Ownership: private + state

Present Uses: village of Detroit Beach on north side of Sandbar

Anticipated changes or increases in use or development: Recreation + fishing +
state's resources, continue development of
state's water front

Special characteristics, conflicts or impacts:

Date received	4-8	Date forwarded to State Agency	
Date forwarded to Region	4-15	State Agency action	
Regional Action			
<input type="checkbox"/> staff approval	<input type="checkbox"/> rejected		
<input type="checkbox"/> commission approval	<input type="checkbox"/> other		

Coastal Lakes:

River Mouths:

Only a remnant of the original estuary exists on North end of Sterling State Park near opening into Brest Bay
Bays: High water levels + storms caused erosion of barrier beach, expansion of channel opening, + losses of aquatic life somewhat recolonized with lower lake levels

Briefly describe issues relating to this area:

Area provides sheltered nesting area (mainly divers) during spring + fall migrations. Valuable to fisheries of Coonawarra. Urban plan for construction of small boat harbor + refuge. SW part of Sterling St Park should be nature preserve + interpretive center.

Briefly describe management needs:

Acquisition + maintenance as natural (just portion remaining undeveloped). Remainder of area may enhance for marina, boat launching,

Other comments:

fishing + other recreational use as long as compatible with natural estuarine functions

USFWS

AGENCY ECOLOGICAL IMPORTANCE 20-04-0277-FA-03

Name (if any): ESTRAL Beach wetlands to north of Pte Mallille
County: Marion
Township: Barlow
City or Village:
Town, range and section: T. 6. S - R. 10. E - S 16, 20, 21, 29
Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines):

Present Ownership: Private + some state
Present Use: Recreation hunting, resting, feeding, curlew chicks, spawning, for fish
Anticipated changes in use or development (within ten year time frame): none

Surrounding land-use(s): residential to industrial -

Environmental characteristics:
Coastal wetlands - see above -

Briefly describe issues relating to this area:
Protect as much as possible for future

Briefly describe management needs:
see above

Other comments:

Date received	<u>4-8</u>	Date forwarded to State Agency
Date forwarded to Region	<u>4-15</u>	State Agency action
Regional Action		
staff approval	<input type="checkbox"/>	rejected <input type="checkbox"/>
commission approval	<input type="checkbox"/>	other <input type="checkbox"/>

Name (if any): North Maumee Bay wetlands - outside ^{ERIE} SGA boundaries
 County: MORRIS
 Township: ERIE
 City or Village: _____
 Town, range and section: T25, R8E, Secs. 23, 26, 27, 33, 34, 28, 21, 36
 Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): _____

Present Ownership: probably private - outside indefinite SGA boundaries
 Present Use: waterfowl, spawning areas

Anticipated changes in use or development (within ten year time frame): recreational use is predicted to increase - some threat of future causeway across Maumee Bay entering NE. through this area

Surrounding land-use(s): agriculture - highway corridor, State Game Area, Erie Waterfowl Shooting Clubs

Environmental characteristics:
 Borders SGA ^{+ Erie Shooting Club} and serves as waterfowl resting, nesting, and feeding area. Subject to lake level fluctuations often giving appearance of mud flats. Significant as spawning area for warmwater species. Shore, marsh, + songbird habitat.

Briefly describe issues relating to this area:
 Highway encroachment into these wetlands; ^{these wetlands} will be needed to satisfy growing recreational demands exerted by Detroit- Toledo area residents

Briefly describe management needs:
 Acquisition or zoning parking areas + Recreational Enhancement - access by foot

Other comments:

Date received <u>4-8</u>	Date forwarded to State Agency _____
Date forwarded to Region <u>4-5</u>	State Agency action _____
Regional Action _____	_____
staff approval _____	rejected _____
commission approval _____	other _____

Nominator: Eugene A. Jarecki, Chairman, Maumee Planning Board
Address: Great Lakes Basin Commission
P.O. Box 999
Ann Arbor, Michigan 48106

14

COASTAL AREAS OF PARTICULAR CONCERN NOMINATION FORM

28-05-0451-FA-09

Name of area nominated: North Maumee Bay

Location: County Monroe
Township, City or Village Erie Township

Boundary features (rivers, roads, section lines, etc.) That area separated from Lake Erie by the Woodtick Peninsula extending south from the Michigan shoreline a distance of 4 miles approximately 1 mile east of the mainland terminating at North Cape, and bounded on the south by the Ohio State, Lucas County line.

Present Ownership: Private, State

Under which category does this area qualify? (Please check only one)

- | | |
|--|---|
| <input type="checkbox"/> high risk erosion | <input type="checkbox"/> island |
| <input type="checkbox"/> flood hazard | <input checked="" type="checkbox"/> coastal lake, rivermouth, bay |
| <input type="checkbox"/> ecologically sensitive | <input type="checkbox"/> urban |
| <input type="checkbox"/> natural area | <input type="checkbox"/> mineral resource |
| <input type="checkbox"/> recreation area | <input type="checkbox"/> agricultural |
| <input type="checkbox"/> historic and archeologic site | <input type="checkbox"/> prime industrial |
| <input type="checkbox"/> sand dune | <input type="checkbox"/> water transportation |

Why is this area of particular concern to you? (physical characteristics, damages opportunities, present use, problems, etc.) Deterioration of unique marsh vegetation and habitat due to deteriorating water quality and habitat destruction. Lake flooding of residential areas.

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.) Complete shoreland and bay management and zoning for wetlands, fish and wildlife habitat, open space, and public recreation.

Other comments: Encouragement of flood plain (shoreland) management programs for residential areas frequently flooded and further residential, commercial and industrial development limited to strict and compatible environmental considerations.

PLEASE RETURN TO:

Citizen Shorelands Advisory Council
Michigan Department of Natural Resources OR:
Stevens T. Mason Building
Lansing, Michigan 48926

This received <u>4-29</u>	Date forwarded to State Agency _____
Number of copies to Region _____	State Agency No. _____
General Action _____	_____
State approval _____	rejected _____
Local approval _____	other _____

ADMINISTRATIVE INFORMATION

NL

Name (if any): Lost Peninsula & adjacent peninsula to west
 County: M. WISSE
 Township: WASHINGTON Twp. Sec. 32
 City or Village: _____
 Town, range and section: _____
 Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): _____

Present Ownership: private
 Present Use: residential, recreational

Anticipated changes in use or development (within ten year time frame):
continued development, residential use increases till

Surrounding land-use(s): metropolitan, recreational, wildlife (SEA)

Environmental characteristics:

Idle land at tips of peninsulas consists of wetlands, shrubs, and grasses - rather isolated land in very close proximity to Toledo metropolitan area - marsh area serves waterfowl use & fish spawning & nursery area

Briefly describe issues relating to this area:

These peninsulas appear to be relatively undeveloped. Extreme northern ends are wet, idle lands (used by resident and migrating birds)

Briefly describe management needs:

Acquisition or designation as nature preserves

Other comments:

Date received	<u>4-8</u>	Date forwarded to State Agency	_____
Date forwarded to Region	<u>4-15</u>	State Agency action	_____
Regional Action	_____	_____	_____
staff approval	_____	rejected	_____
commission approval	_____	other	_____

28-03-0258-FA-09
plumb

Name (if any): LaPlaisance Bay & LaPlaisance Creek Estuary and wetlands north to Creek
County: MONROE Co.
Township: LaSalle - S. Monroe
City or Village: _____
Town, range and section: T 78, R 8 E
Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): _____

Present Ownership: private
Present Use: small boat harbor - small craft navigation, popular fishing area

Anticipated changes in use or development (within ten year time frame):
Continual Development pressures, dredging & filling activities

Surrounding land-use(s): _____

Environmental characteristics:

Supports good yellow perch populations. LaPlaisance Bay shallows are extremely valuable to migrating waterfowl as feeding and resting site. Wild celery & sago pondweed present (during flow lake levels).

Date received 4-8 Date forwarded to State Agency _____
Date forwarded to Region 4-15 State Agency action _____

Regional Action: _____
Briefly describe issues relating to this area: staff approval rejected staff approval other

Briefly describe management needs:

Improve access & facilities for breakester fishery.
Future filling in the bay should not be permitted.
Shallow water area between LaPlaisance & Plum Creek should be preserved as a waterfowl resting area.
Spoil lands & bottomlands owned by Detroit/Edison should be turned over to the State & the entire area dedicated to wildlife.
Preservation through acquisition or zoning.

CAPITAL LAKES, RIVER MOUTH & bays of B.A. Concession

28-03-0250-FA-0

PLUM

Name (if any): LaPlaisance Bay & LaPlaisance Creek Estuary and wetlands north to Creek
County: MONROE Co.
Township: LaSalle - S. Monroe
City or Village:
Town, range and section: T78, R8E
Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines):

Present Ownership: private
Present Use: small boat harbor - small craft navigation, popular fishing area

Anticipated changes in use or development (within ten year time frame):
Continued Development pressures, dredging & filling activities

Surrounding land-use(s):

Environmental characteristics:
Supports good yellow perch populations. LaPlaisance Bay shallows are extremely valuable to migrating waterfowl as feeding and resting site. Wild celery & Sag pondweed present during low lake levels.

Date received	<u>4-8</u>	Date forwarded to State Agency	
Date forwarded to Region	<u>4-15</u>	State Agency action	
Regional Action			
Briefly describe issues relating to this area:	<u>Past filling has destroyed much of LaPlaisance Bay</u>	staff approval	<input checked="" type="checkbox"/> approved
		rejected	<input type="checkbox"/>
		other	<input type="checkbox"/>

Briefly describe management needs:
Improve access & facilities for freshwater fishery. Future filling in the bay should not be permitted. Shallow water area between LaPlaisance & Plum Creek should be preserved as a waterfowl resting area. Spoil lands & bottomlands owned by Detroit Edison should be turned over to the State & the entire area dedicated to wildlife. Preservation through acquisition or zoning.

ISLAND AREA OF PARTICULAR CONCERN

Name: SMITH'S ISLANDS
County: MONROE CO.
Township: MONROE
Town, range and section: T6S, R9E

Present Ownership: private

Present Uses: makes up part of eastern boundary of land fill
Anticipated changes or increases in use or development (within ten year time frame):

Should this island be designated in its entirety?
yes

Unique physical or biological characteristics:
Abandoned black-crowned night heron rookery - herons still frequent the area

Briefly describe issues relating to this island:
Threatened by industrial fill & development

Briefly describe management needs:
Should be restored as an integral part of the Plum Creek estuary

Other Comments:

Date received <u>4-8</u>	Date forwarded to State Agency _____
Date forwarded to Region _____	State Agency action _____
Regional Action _____	
_____ staff approval _____ selected _____	
Prepared by: _____	

COASTAL LAKES, RIVER MARCHES & BAYS

28-01-0263-FA-09

Name (if any): Huron River, ^{estuarine} wetlands (Pointe Mouillee)
County: _____
Township: Brownstown + Berlin Twp.
City or Village: _____
Town, range and section: T55 R10E Sections 24 & 25 36
Easily identifiable boundary features (rivers, streams, roads, political boundaries, section lines): _____

Present Ownership: Most of the marsh is public (MDNR). State has been
Present Use: Wintering waterfowl, nesting, food plots, fish, acquiring more
Anticipated changes in use or development (within ten year time frame): _____

Surrounding land-use(s): Increased residential use - both
commercial & non-commercial

Environmental characteristics:

Delta marsh receiving drainage from Mouillee, Halfway, Bad Creeks and Lautenschlager & Bathgate Drains. Receives heavy waterfowl use & valuable to fishery resources of area, particularly so with anticipated water quality improvements. Water, Marsh, & Shore bird use high. Furbearer & small mammal use.

Briefly describe issues relating to this area:

Barrier beach is under construction and may aid in reestablishment of marsh habitat

Briefly describe management needs:

Date received	4-8	Date forwarded to State Agency	_____
Date forwarded to Region	4-15	State Agency action	_____
Regional Action	_____	_____	_____
_____	staff approval	_____	rejected
_____	commission approval	_____	other

Other comments:

Please return to Water Development Services Division, Department of Natural Resources

Prepared by:

USFWS

Nominator: Joseph P. Kleiman
Address: 15415 Redford
Birmingham, MI 48409

28-05-0387-PN-03
28-03-0388-PN-01
28-04-0389-PN-03

COASTAL AREAS OF PARTICULAR CONCERN NOMINATION FORM

Name of area nominated: Lake Erie Marshes from Monroe south
to Ohio Line

Location: County Monroe
Township, City or Village Monroe to Erie
Boundary features (rivers, roads, section lines, etc.) I-75
area

Present Ownership: Varied

Under which category does this area qualify? (Please check only one)

- | | |
|--|--|
| <input type="checkbox"/> high risk erosion | <input type="checkbox"/> island |
| <input type="checkbox"/> flood hazard | <input type="checkbox"/> coastal lake, rivermouth, bay |
| <input checked="" type="checkbox"/> ecologically sensitive | <input type="checkbox"/> urban |
| <input type="checkbox"/> natural area | <input type="checkbox"/> mineral resource |
| <input type="checkbox"/> recreation area | <input type="checkbox"/> agricultural |
| <input type="checkbox"/> historic and archeologic site | <input type="checkbox"/> prime industrial |
| <input type="checkbox"/> sand dune | <input type="checkbox"/> water transportation |

Why is this area of particular concern to you? (physical characteristics, damages opportunities, present use, problems, etc.) Area is a depressing mess
from highway (I-75) widening filling, etc. and the Monroe
Power Plant of Detroit Edison

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.) Save as much marsh as possible. Prevent
any more destruction

Other comments: _____

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Michigan Department of Natural Resources OR:
Stevens T. Mason Building
Lansing, Michigan 48926

Date received: 4-19 Date forwarded to State Agency: _____
Date forwarded to Region: _____ State Agency action: _____
Regional Action: _____
State approval: _____
Commissioner approval: _____ other: _____

Nominator: Michael Richards
Address: 11415 Lumber
Detroit, Michigan

all areas of concern
NOMINATED
WATER POLLUTION

COASTAL AREAS OF PARTICULAR CONCERN NOMINATION FORM

Name of area nominated: Lake Erie 27-00-0452-PN-05

Location: County Wayne - Assisted Area Boundary
Township, City or Village _____
Boundary features (rivers, roads, section lines, etc.) All structures

Present Ownership: Both Private - Public

Under which category does this area qualify? (Please check only one)

- | | |
|--|---|
| <input type="checkbox"/> high risk erosion | <input type="checkbox"/> island |
| <input type="checkbox"/> flood hazard | <input checked="" type="checkbox"/> coastal lake, rivermouth, bay |
| <input type="checkbox"/> ecologically sensitive | <input type="checkbox"/> urban |
| <input type="checkbox"/> natural area | <input type="checkbox"/> mineral resource |
| <input checked="" type="checkbox"/> recreation area | <input type="checkbox"/> agricultural |
| <input type="checkbox"/> historic and archeologic site | <input checked="" type="checkbox"/> prime industrial |
| <input type="checkbox"/> sand dune | <input type="checkbox"/> water transportation |

Why is this area of particular concern to you? (physical characteristics, damages opportunities, present use, problems, etc.) Industry has
all but obliterated the natural characteristics
that once formed a great Lake Erie
shoreline, water surface are heavily polluted

What do you think should be done with the area? (public acquisition, local zoning, preservation, etc.)
Industry should be removed
by the gov. for cleaning the environment

Other comments: Agency should do all in
its power to lobby industrial pollution
and cause the state to make moves
against the industries that
pollute Lake Erie & Detroit

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Michigan Department of Natural Resources
Stevens T. Mason Building
Lansing, Michigan 48926

OR:
I can't help. It must
be a collective effort to
pressure capability to
spend money on
researching anti-pollution
devices.

checked <u>4-79</u>	Date forwarded to State Agency
forwarded to Region	State Agency action
State Action	
Staff assigned	checked
State Agency approval	

APPENDIX "E"

Individual Rating
Methodology Sheets

RATING METHODOLOGIES
BY AREAS OF PARTICULAR CONCERN

Areas of Industrial Importance

County Nomination Number and Area Name Nomination #20
Consumers Power Plant

1. Consistant With Public Plans

Yes	2 points	
No	0 points	<u>2</u>

2. Availability of Water, Rail, and Highway Transportation

a) all three (3) available to area	5 points	
b) two transportation systems available	3 points	
c) only one (1) system available	1 point	
d) none available	0 points	<u>3</u>

3. Availability of Water, Sewer, and Gas

a) all available	5 points	
b) two available	3 points	
c) one available	1 point	
d) none available	0 points	<u>5</u>

4. Availability of Vacant Developable Land

a) For Immediate Development		
1) 0-100 Acres	1 point	
2) 100-250 Acres	2 points	
3) 250-500 Acres	3 points	
4) 500 + Acres	4 points	<u>1</u>

b) Potential Developable Lands		
1) 0-100 Acres	1 point	
2) 100-250 Acres	2 points	
3) 250-500 Acres	3 points	
4) 500 + Acres	4 points	<u>2</u>

TOTAL POINTS 13

Maximum Permissable Score Rating $\frac{13}{20} = 65\%$

RATING METHODOLOGIES
 BY AREAS OF PARTICULAR CONCERN
Areas of Ecological Importance

County Nomination Number and Area Name Nomination #1
 Pointe Mouillee State Game Area

1. Criteria of Ecological Importance		
A. Marshes lakeward or landward with capacity for:		
1) brooding, feeding, resting area for migratory fowl		
2) traditional waterfowl hunting area		
3) habitat supporting furbearing population	5 points	<u>5</u>
B. All open water area to a depth of 20 fathoms having submerged aquatic plants important to waterfowl		
	5 points	<u>5</u>
C. Upland areas with following wildlife values		
1) stopover area of migratory birds		
2) gull, tern, or heron rooderies		
3) eagle or osprey nest		
4) habitat for deer, furbearers, hawks, owls	5 points	<u>5</u>
D. Marshes lakeward or landward with the following		
1) significant fisheries of sport or commercial species		
2) support significant fisheries through management or potential areas for spawning for important species	5 points	<u>5</u>
2. Location from Urban Areas		
1. 0 - 1/2 mile	1 point	
2. 1/2 - 1 mile	2 points	
3. 1-2 miles	3 points	
4. 2-3 miles	4 points	
5. 3-5 miles	5 points	<u>3</u>
3. Relationship to Water and Sewer Lines		
1. 0 - 1/2 mile	1 point	
2. 1/2 - 1 mile	2 points	
3. 1-2 miles	3 points	
4. 2-3 miles	4 points	
5. 3-5 miles	5 points	<u>4</u>
4. Public Ownership		
1. 0-50%	3 points	
2. 50-75%	2 points	
3. 75-100%	1 point	<u>1</u>

TOTAL POINTS 28

Maximum Permissible Score Rating 28 = 85%

RATING METHODOLOGIES

BY AREA OF PARTICULAR CONCERN

Urban Areas of Particular Concern

County Nomination Number and Area Name Nomination #7
Frenchtown Beach Area

1. Physical Features of Area

- a) Population
 - 1) 0-1,000 people 1 point
 - 2) 1,000-2,500 people 2 points
 - 3) 2,500 + people 3 points 3

- b) Percentage of deficient housing
 - 1) 0-10% 1 point
 - 2) 10-25% 2 points
 - 3) 30% 3 points 3

- c) Flood Prevention Devices (Residential Area)
 - 1) Permanent or Temporary Structures 1 point
 - 2) No Structures 2 points 1

- d) Percentage of Undeveloped Land
 - 1) 0-25% 1 point
 - 2) 25-50% 2 points
 - 3) 50-100% 3 points 2

- e) Availability of Water and Sewer
 - 1) Existing or Proposed 1 point
 - 2) Not Proposed 2 points 1

TOTAL POINTS 10

Maximum Permissible Score Rating $\frac{10}{13} = 77\%$

RATING METHODOLOGIES

BY AREA OF PARTICULAR CONCERN

Urban Areas of Particular Concern

County Nomination Number and Area Name Nomination #19
City of Luna Pier

1. Physical Features of Area

a) Population

- | | | |
|-----------------------|----------|----------|
| 1) 0-1,000 people | 1 point | |
| 2) 1,000-2,500 people | 2 points | |
| 3) 2,500 + people | 3 points | <u>2</u> |

b) Percentage of deficient housing

- | | | |
|-----------|----------|----------|
| 1) 0-10% | 1 point | |
| 2) 10-25% | 2 points | |
| 3) 30% | 3 points | <u>3</u> |

c) Flood Prevention Devices (Residential Area)

- | | | |
|--------------------------------------|----------|----------|
| 1) Permanent or Temporary Structures | 1 point | |
| 2) No Structures | 2 points | <u>1</u> |

d) Percentage of Undeveloped Land

- | | | |
|------------|----------|----------|
| 1) 0-25% | 1 point | |
| 2) 25-50% | 2 points | |
| 3) 50-100% | 3 points | <u>2</u> |

e) Availability of Water and Sewer

- | | | |
|-------------------------|----------|----------|
| 1) Existing or Proposed | 1 point | |
| 2) Not Proposed | 2 points | <u>1</u> |

TOTAL POINTS 9

Maximum Permissable Score Rating $\frac{9}{13} = 69\%$

RATING METHODOLOGIES
BY AREAS OF PARTICULAR CONCERN

Recreation Areas of Particular Concern

County Nomination Number and Area Name Nomination #13
LaPlaisance Creek Area

1. Relationship to Public Plans

- | | | |
|-------------------|----------|---|
| a) Consistent | 2 points | |
| b) Not Consistent | 1 point | 2 |

2. Existing Recreation Area and Facilities

- | | | |
|--|-----------|---|
| a) Existing or Proposed | x 1 point | |
| b) Year-round Use | x 1 point | |
| c) Playground Equipment | 1 point | |
| d) Picnic Area (Group Recreation) | 1 point | |
| e) Baseball or Softball Field | 1 point | |
| f) Shelter Building or Restrooms | x 1 point | |
| g) Swimming | 1 point | |
| h) Wooded Area | 1 point | |
| i) Boating | x 1 point | |
| j) Boat Launching Facilities | x 1 point | |
| k) Golf | 1 point | |
| l) Camping (Short or Long Term) | 1 point | |
| m) Fishing | x 1 point | |
| n) Leisure Area (Benches, Walks, Etc.) | x 1 point | 7 |

3. Further Expansion to Site

- | | | |
|------------------|----------|---|
| 1) No expansion | 0 points | |
| 2) 0-100 acres | 1 point | |
| 3) 100-250 acres | 3 points | |
| 4) 250 + acres | 5 points | 1 |

TOTAL POINTS 10

Maximum Permissible Score Rating $\frac{10}{21} = 48\%$

RATING METHODOLOGIES
BY AREAS OF PARTICULAR CONCERN

Flood Hazards Acres of Particular Concern

County Nomination Number and Area Name Nomination #21
Erie Township Flood Hazards Ares

1. Within H.U.D. Flood Hazards Boundary			
Yes		2 points	
No		0 points	<u>2</u>
2. Presence of Flood Protection devices			
None		2 points	
Yes		0 points	<u>0</u>
3. Consistent to Public Plans			
Not at all		3 points	
Partially		2 points	
Consistant		1 point	<u>1</u>
4. Developed or Underdeveloped Land			
Developed extensively		5 points	
Slightly developed		3 points	
Undeveloped		1 point	<u>3</u>
5. Potential for Phase II Ecological Areas			
a) All		3 points	
b) Part		2 points	
c) None		1 point	<u>2</u>
TOTAL POINTS			<u>8</u>

Maximum Permissable Score Rating $\frac{8}{15} = 53\%$

RATING METHODOLOGIES
BY AREAS OF PARTICULAR CONCERN

Areas of High Risk Erosion

County Nomination Number and Area Name Nomination #8
North Beach - Sterling State Park

1. Characteristics of Erosion

- | | | |
|---------------------------------------|-----------|---|
| a) Vegetation Removed | x 1 point | |
| b) Narrow Beach | x 1 point | |
| c) Flat Beach | x 1 point | |
| d) Bank Slumping | 1 point | |
| e) Turbidity of Adjacent Waters | x 1 point | |
| f) Damaged Erosion Control Structures | 1 point | |
| g) Damaged Land Structures | 1 point | |
| h) Protective Works Structures | 1 point | |
| i) Unusual Angle of Repose | x 1 point | 5 |

2. Past to Present Aerial Photo Documentation

- | | | |
|----------------------|-----------|----|
| a) 0-25% Recession | 2 points | |
| b) 25-50% Recession | 5 points | |
| c) 50-100% Recession | 10 points | 10 |

3. Proposed Plans for Area (If Any)

- | | | |
|-------------------------------|----------|---|
| a) Plans Proposed for Area | 0 points | |
| b) No Plans Proposed for Area | 5 points | 0 |

4. Erosion Potential of Surrounding Lands

- | | | |
|----------------|----------|---|
| 1. High | 5 points | |
| 2. Slight | 3 points | |
| 3. None at all | 1 point | 3 |

TOTAL POINTS 18

Maximum Permissable Score Rating $\frac{18}{29} = 62\%$

RATING METHODOLOGIES
BY AREAS OF PARTICULAR CONCERN

Areas of High Risk Erosion

County Nomination Number and Area Name Nomination #23
Woodtick Peninsula

1. Characteristics of Erosion

- | | | |
|---------------------------------------|-----------|---|
| a) Vegetation Removed | x 1 point | |
| b) Narrow Beach | x 1 point | |
| c) Flat Beach | x 1 point | |
| d) Bank Slumping | 1 point | |
| e) Turbidity of Adjacent Waters | x 1 point | |
| f) Damaged Erosion Control Structures | 1 point | |
| g) Damaged Land Structures | 1 point | |
| h) Protective Works Structures | 1 point | |
| i) Unusual Angle of Repose | x 1 point | 5 |

2. Past to Present Aerial Photo Documentation

- | | | |
|----------------------|-----------|----|
| a) 0-25% Recession | 2 points | |
| b) 25-50% Recession | 5 points | |
| c) 50-100% Recession | 10 points | 10 |

3. Proposed Plans for Area (If Any)

- | | | |
|-------------------------------|----------|---|
| a) Plans Proposed for Area | 0 points | |
| b) No Plans Proposed for Area | 5 points | 5 |

4. Erosion Potential of Surrounding Lands

- | | | |
|----------------|----------|---|
| 1. High | 5 points | |
| 2. Slight | 3 points | |
| 3. None at all | 1 point | 5 |

TOTAL POINTS 25

Maximum Permissible Score Rating $\frac{25}{29} = 86\%$

RATING METHODOLOGIES
BY AREAS OF PARTICULAR CONCERN

Agricultural Areas of Particular Concern

County Nomination Number and Area Name	Nomination #2 Berlin Agricultural Area	
1. Future Master Plan Relationship		
1. In accordance	5	
2. Not in accordance	0	<u>5</u>
2. Size of Area		
1. 0-100 acres	1	
2. 100-250	2	
3. 251-500	3	
4. 500-1000	4	
5. 1000 and above	5	<u>5</u>
3. Relationship to Water and Sewer Lines		
1. 0-½ mile	1	
2. ½-1 mile	2	
3. 1-2 miles	3	
4. 2-3 miles	4	
5. 3-5 miles	5	<u>2</u>
4. Productivity of Acreage - Corn and Wheat		
1. Below State average yield per acre	1	
2. Average State yield per acre	3	
3. Above average State yield	5	<u>5</u>
Total Points		<u>17</u>
Maximum Permissible Score Rating $\frac{17}{20} = 85\%$		

RATING METHODOLOGIES

BY AREAS OF PARTICULAR CONCERN

Agricultural Areas of Particular Concern

County Nomination Number and Area Name	Nomination #4 Frenchtown Agricultural Area
1. Future Master Plan Relationship	
1. In accordance	5 points
2. Not in accordance	0 points
	<u>5</u>
2. Size of Area	
1. 0-100 acres	1 point
2. 100-250	2 points
3. 251-500	3 points
4. 500-1,000	4 points
5. 1,000 and above	5 points
	<u>5</u>
3. Relationship to Water and Sewer Lines	
1. 0-½ mile	1 point
2. ½-1 mile	2 points
3. 1-2 miles	3 points
4. 2-3 miles	4 points
5. 3-5 miles	5 points
	<u>3</u>
4. Productivity of Acreage - Corn and Wheat	
1. Below State average yield per acre	1 point
2. Average State yield per acre	3 points
3. Above average State yield	5 points
	<u>5</u>
	TOTAL POINTS
	<u>18</u>
Maximum Permissable Score Rating $\frac{18}{20} = 90\%$	

RATING METHODOLOGIES

BY AREAS OF PARTICULAR CONCERN

Agricultural Areas of Particular Concern

County Nomination Number and Area Name Nomination #12
 LaPlaisance/Dunbar Road Agricultural Area

1. Future Master Plan Relationship

- | | | |
|----------------------|---|----------|
| 1. In accordance | 5 | |
| 2. Not in accordance | 0 | <u>5</u> |

2. Size of Area

- | | | |
|-------------------|---|----------|
| 1. 0-100 acres | 1 | |
| 2. 100-250 | 2 | |
| 3. 251-500 | 3 | |
| 4. 500-1000 | 4 | |
| 5. 1000 and above | 5 | <u>2</u> |

3. Relationship to Water and Sewer Lines

- | | | |
|--------------------------|---|----------|
| 1. 0- $\frac{1}{2}$ mile | 1 | |
| 2. $\frac{1}{2}$ -1 mile | 2 | |
| 3. 1-2 miles | 3 | |
| 4. 2-3 miles | 4 | |
| 5. 3-5 miles | 5 | <u>1</u> |

4. Productivity of Acreage - Corn and Wheat

- | | | |
|---------------------------------------|---|----------|
| 1. Below State average yield per acre | 1 | |
| 2. Average State yield per acre | 3 | |
| 3. Above average State yield | 5 | <u>5</u> |

Total Points 13

Maximum Permissible Score Rating $\frac{13}{20} = 65\%$

RATING METHODOLOGIES

BY AREAS OF PARTICULAR CONCERN

Agricultural Areas of Particular Concern

County Nomination Number and Area Name Nomination #15
 Monroe/LaSalle Township Agricultural Area

1. Future Master Plan Relationship

1. In accordance	5	
2. Not in accordance	0	<u>5</u>

2. Size of Area

1. 0-100 acres	1	
2. 100-250	2	
3. 251-500	3	
4. 500-1000	4	
5. 1000 and above	5	<u>4</u>

3. Relationship to Water and Sewer Lines

1. 0- $\frac{1}{2}$ mile	1	
2. $\frac{1}{2}$ -1 mile	2	
3. 1-2 miles	3	
4. 2-3 miles	4	
5. 3-5 miles	5	<u>2</u>

4. Productivity of Acreage - Corn and Wheat

1. Below State average yield per acre	1	
2. Average State yield per acre	3	
3. Above average State yield	5	<u>5</u>

Total Points 16

Maximum Permissible Score Rating $\frac{16}{20} = 80\%$

RATING METHODOLOGIES

BY AREAS OF PARTICULAR CONCERN

Agricultural Areas of Particular Concern

County Nomination Number and Area Name Nomination #17
Otter Creek/I-75 Agricultural Area

1. Future Master Plan Relationship

- | | | |
|----------------------|---|----------|
| 1. In accordance | 5 | |
| 2. Not in accordance | 0 | <u>5</u> |

2. Size of Area

- | | | |
|-------------------|---|----------|
| 1. 0-100 acres | 1 | |
| 2. 100-250 | 2 | |
| 3. 251-500 | 3 | |
| 4. 500-1000 | 4 | |
| 5. 1000 and above | 5 | <u>3</u> |

3. Relationship to Water and Sewer Lines

- | | | |
|--------------------------|---|----------|
| 1. 0- $\frac{1}{2}$ mile | 1 | |
| 2. $\frac{1}{2}$ -1 mile | 2 | |
| 3. 1-2 miles | 3 | |
| 4. 2-3 miles | 4 | |
| 5. 3-5 miles | 5 | <u>2</u> |

4. Productivity of Acreage - Corn and Wheat

- | | | |
|---------------------------------------|---|----------|
| 1. Below State average yield per acre | 1 | |
| 2. Average State yield per acre | 3 | |
| 3. Above average State yield | 5 | <u>5</u> |

Total Points 15

Maximum Permissable Score Rating $\frac{15}{20} = 75\%$

RATING METHODOLOGIES
 BY AREA OF PARTICULAR CONCERN
Islands of Particular Concern

County Nomination Number and Area Name Nomination #24
 Erie State Game Area Islands

1. Physical Features and Location of Island.

A) Proximity to Urban Node

i) 0 to ½ mile	1 point	
ii) ½ to mile	2 points	
iii) 1 mile +	3 points	<u>3</u>

B) Amount of Development

i) 0-25%	3 points	
ii) 26-50%	2 points	
iii) 50% +	1 points	<u>3</u>

C) Size

i) 0-10 acres	1 point	
ii) 11-50 acres	2 points	
iii) 51 + acres	3 points	2

D) Natural Setting

2 points 2

E) Of biological importance

2 points 2

F) Nature area of Fish and Wildlife

2 points 2

G) Suseptibility to Erosion

2 points 2

H) Ownership

i) Public	3 points	
ii) Public and Private	2 points	
iii) Private	1 point	<u>2</u>

TOTAL POINTS 18

Maximum Permissable Score Rating $\frac{18}{20} = 90\%$

APPENDIX "F"

Supporting Maps

1. Monroe County CZM Map.
2. Monroe County General Development Plan Map
3. Overburden Thickness Map
4. Glacial Deposits Map

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