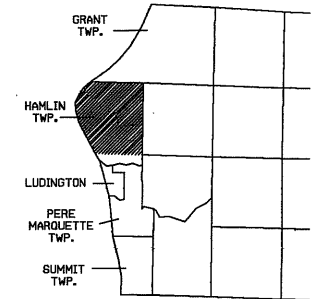


HAMLIN TOWNSHIP NORTH

HIGH RISK EROSION AREAS & CRITICAL DUNE AREAS

MASON COUNTY



HIGH RISK EROSION AREAS

THE NUMBER REPRESENTS, IN FEET, THE 30 YEAR PROJECTED RECESSION DISTANCE.
 THE NUMBER REPRESENTS, IN FEET, THE 60 YEAR PROJECTED RECESSION DISTANCE.

HIGH RISK EROSION AREA (shading alongshore)

THESE AREAS ARE LEGALLY DEFINED BY PART 323, SHORELANDS PROTECTION AND MANAGEMENT, OF THE NATURAL RESOURCE & ENVIRONMENTAL PROTECTION ACT 1994 PA 451 BEING GREAT LAKES SHORELAND AREAS DOCUMENTED TO REcede IN AN AVERAGE OF ONE FOOT OR MORE PER YEAR.

CRITICAL DUNE AREAS

- BARRIER DUNES
BARRIER DUNE FORMATIONS DESIGNATED PURSUANT TO PART 393, SAND DUNE PROTECTION & MANAGEMENT, OF THE NATURAL RESOURCE & ENVIRONMENTAL PROTECTION ACT 1994 PA 451.
- AREAS NOT INCLUDED IN DESIGNATED BARRIER DUNE FORMATIONS THAT ARE COMPOSED PRIMARILY OF DUNE SAND AND EXHIBIT SEVERAL DUNE-LIKE CHARACTERISTICS.
- EXEMPLARY DUNE ASSOCIATED PLANT COMMUNITIES OUTSIDE DESIGNATED DUNE FORMATIONS. MICHIGAN NATURAL FEATURES INVENTORY REFERENCE CODE INDICATED.

SOURCE

STATE OF MICHIGAN RECESSION RATE MAPS & ATLAS OF CRITICAL DUNE AREAS

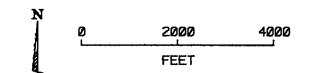
INFORMATION

MICHIGAN DEPARTMENT OF NATURAL RESOURCES
 LAND AND WATER MANAGEMENT DIVISION
 P.O. BOX 30458
 LANSING, MI 48299-7958
 (517) 373-1950



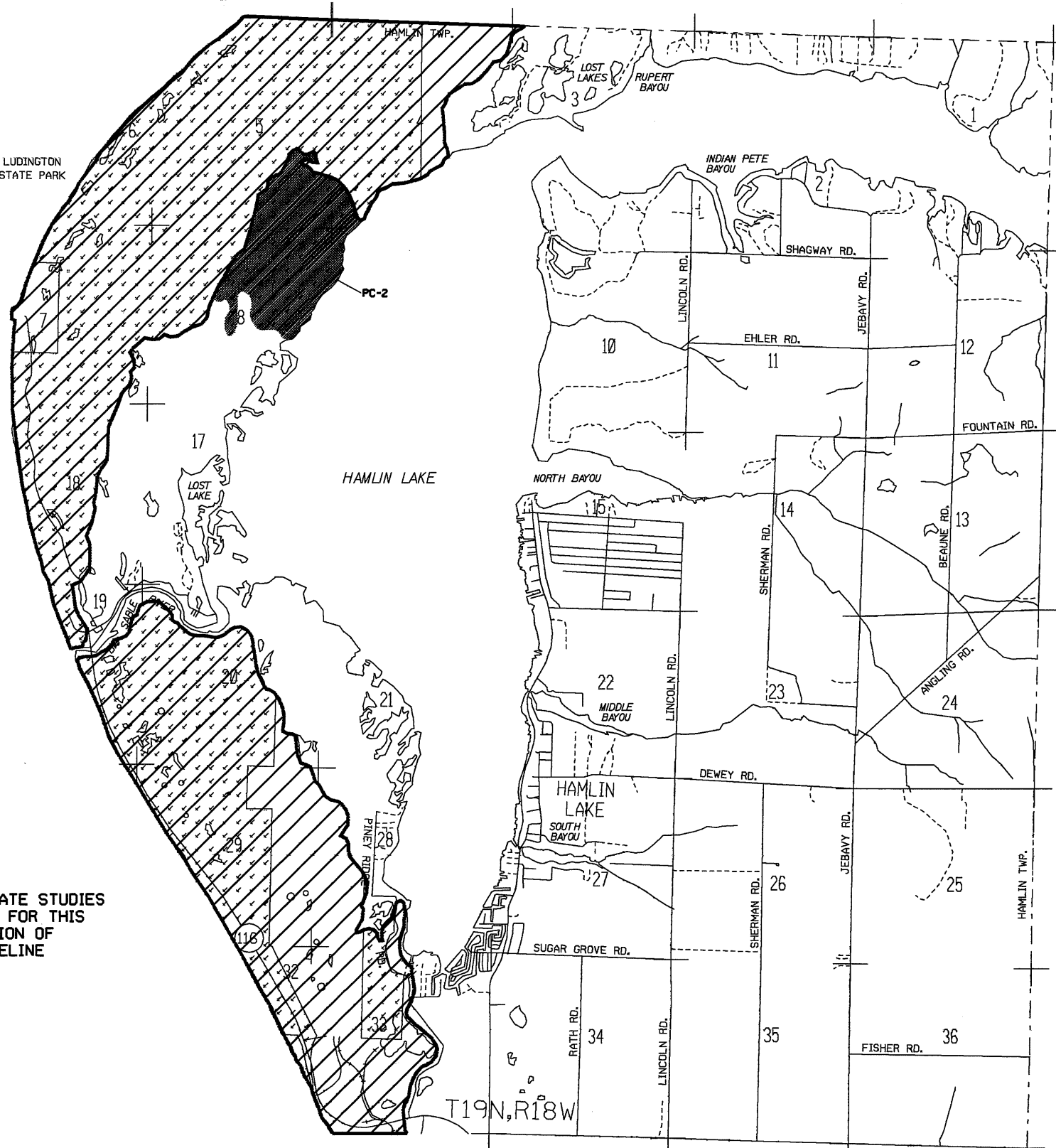
GREAT LAKES INFORMATION SYSTEM
 MICHIGAN DEPARTMENT OF NATURAL RESOURCES
 LAND AND WATER MANAGEMENT DIVISION

08-24-95



LUDINGTON STATE PARK

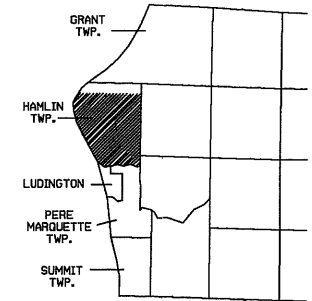
NO RATE STUDIES
 DONE FOR THIS
 PORTION OF
 SHORELINE



HAMLIN TOWNSHIP SOUTH

HIGH RISK EROSION AREAS & CRITICAL DUNE AREAS

MASON COUNTY



HIGH RISK EROSION AREAS

THE NUMBER REPRESENTS, IN FEET, THE
 60' 30 YEAR PROJECTED RECESSION DISTANCE.
 105' THE NUMBER REPRESENTS, IN FEET, THE
 60 YEAR PROJECTED RECESSION DISTANCE.

HIGH RISK EROSION AREA
 (shading alongshore)

THESE AREAS ARE LEGALLY DEFINED BY PART 323,
 SHORELANDS PROTECTION AND MANAGEMENT, OF THE
 NATURAL RESOURCE & ENVIRONMENTAL PROTECTION
 ACT 1994 PA 481 BEING GREAT LAKES SHORELAND
 AREAS DOCUMENTED TO REcede AN AVERAGE OF
 ONE FOOT OR MORE PER YEAR.

CRITICAL DUNE AREAS

BARRIER DUNES
 BARRIER DUNE FORMATIONS DESIGNATED
 PURSUANT TO PART 353, SAND DUNE
 PROTECTION & MANAGEMENT, OF THE
 NATURAL RESOURCE & ENVIRONMENTAL
 PROTECTION ACT 1994 PA 481.

AREAS NOT INCLUDED IN DESIGNATED
 BARRIER DUNE FORMATIONS THAT ARE
 COMPOSED PRIMARILY OF DUNE SAND
 AND EXHIBIT SEVERAL DUNE-LIKE
 CHARACTERISTICS.

EXEMPLARY DUNE ASSOCIATED PLANT
 COMMUNITIES OUTSIDE DESIGNATED
 DUNE FORMATIONS, MICHIGAN NATURAL
 FEATURES INVENTORY REFERENCE CODE
 INDICATED.

SOURCE

STATE OF MICHIGAN RECESSION
 RATE MAPS & ATLAS OF CRITICAL DUNE AREAS

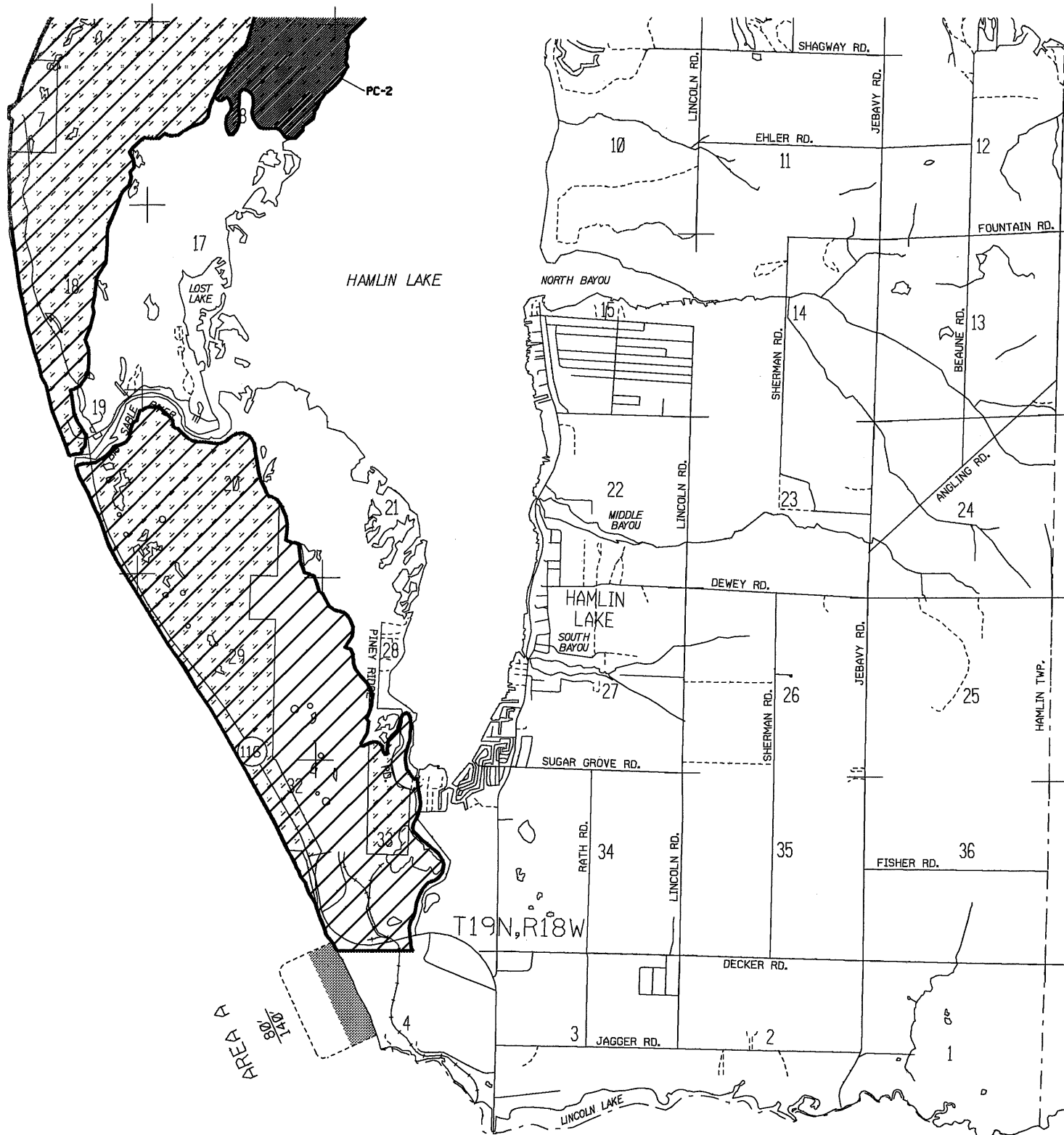
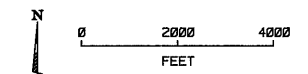
INFORMATION

MICHIGAN DEPARTMENT OF NATURAL RESOURCES
 LAND AND WATER MANAGEMENT DIVISION
 P.O. BOX 30458
 LANSING, MI 48909-7958
 (517) 373-1958

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GREAT LAKES INFORMATION SYSTEM
 MICHIGAN DEPARTMENT OF NATURAL RESOURCES
 LAND AND WATER MANAGEMENT DIVISION

08-24-95



Parcels in High Risk Erosion Areas of Hamlin Township, Mason County

HREAs identified North to South Date of Designation: January 22, 1996

HREA*	Sequence No.	Parcel Identification Number	Rate (feet/year)	30 yr PRD*	60 yr PRD*
A1	1	53-07-104-004-00 Epworth Assembly	2.1	80	140

HREA* - Some parcels may be in multiple HREAs due to their large size.

30 yr PRD* is the Projected Recession Distance (feet) landward from the Erosion Hazard Line for readily moveable structures including those structures 3,500 square feet or less and built on a basement, crawlspace or pilings. Additional restrictions may apply per Administrative Rules 281.21-22.

60 yr PRD* is the Projected Recession Distance (feet) landward from the Erosion Hazard Line for non-readily moveable structures such as large structures and septic systems.

Designation runs with the land including subsequent splits. Absence of a property number does not guarantee the property is located outside of an HREA. Contact the Great Lakes Shorelands Unit, Water Resources Division, DEQ in Lansing or the local DEQ field office for assistance.