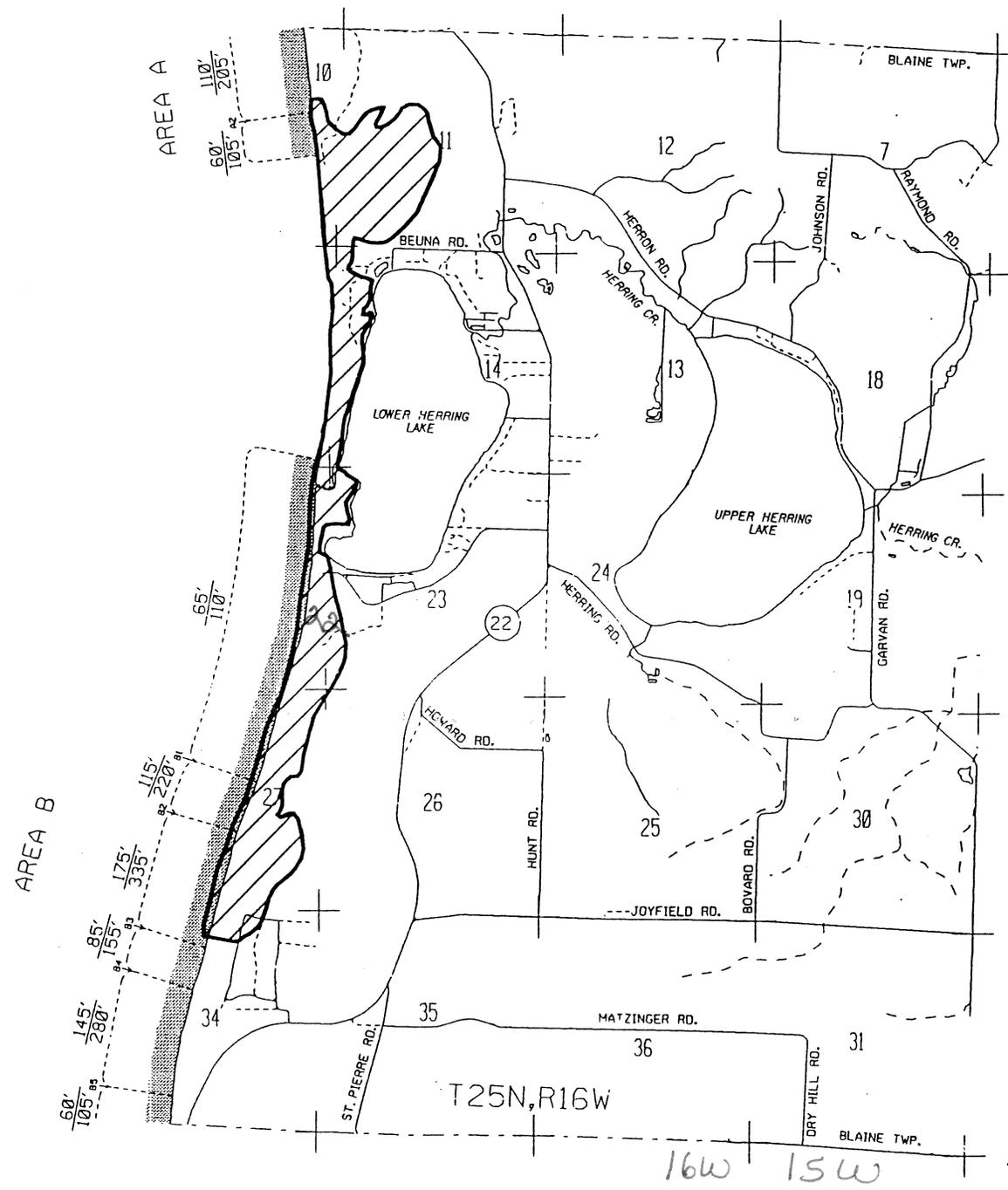
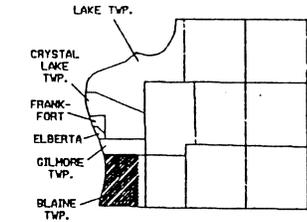


**BLAINE TOWNSHIP**  
**HIGH RISK EROSION AREAS & CRITICAL DUNE AREAS**

BENZIE COUNTY  
 T25N,R16W



**HIGH RISK EROSION AREAS**

THE NUMBER REPRESENTS, IN FEET, THE 38 YEAR PROJECTED RECESSION DISTANCE.  
 60' THE NUMBER REPRESENTS, IN FEET, THE 105' YEAR PROJECTED RECESSION DISTANCE.  
 110' THE NUMBER REPRESENTS, IN FEET, THE 205' YEAR PROJECTED RECESSION DISTANCE.

HIGH RISK EROSION AREA  
 (shading alongshore)

THESE AREAS ARE LEGALLY DEFINED BY THE SHORELANDS PROTECTION AND MANAGEMENT ACT, 1978 P.A. 245, AS AMENDED, AS 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 1976 P.A. 222

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 ACT 245 RECESSION RATE MAPS & ATLAS OF CRITICAL DUNE AREAS

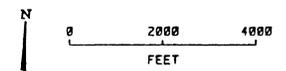
**INFORMATION**

MICHIGAN DEPARTMENT OF NATURAL RESOURCES  
 LAND AND WATER MANAGEMENT DIVISION  
 P.O. BOX 30823  
 LANSING, MI 48909  
 (517) 373-1958



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

08-01-89  
 amended 08-18-93



# Parcels in High Risk Erosion Areas of Blaine Township, Benzie County

HREAs identified North to South      Date of Designation: December 20, 1993

HREA*	Sequence No.	Parcel Identification Number	Rate (feet/year)	30 yr PRD*	60 yr PRD*
A2	1	10-03-001-161-00 Grand Traverse Regional Land Conservancy	3.2	110	205
A2	2	10-03-001-162-00	3.2	110	205
A2	3	10-03-001-163-00 Grand Traverse Regional Land Conservancy	3.2	110	205
A3	3	10-03-001-163-00, southern 165 feet	1.5	60	105
A3	4	10-03-001-164-00, northern 400 feet	1.5	60	105
B1	5	10-03-001-258-00	1.6	65	110
B1	6	10-03-001-260-00	1.6	65	110
B1	7	10-03-001-261-00	1.6	65	110
B1	8	10-03-001-262-00	1.6	65	110
B1	9	10-03-001-264-00	1.6	65	110
B1	10	10-03-001-263-00 Grand Traverse Regional Land Conservancy	1.6	65	110
B1	11	10-03-001-364-00 northern 2,375 feet; Grand Traverse Regional Land Conservancy	1.6	65	110

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.**

# Parcels in High Risk Erosion Areas of Blaine Township, Benzie County

HREAs identified North to South      Date of Designation: December 20, 1993

HREA*	Sequence No.	Parcel Identification Number	Rate (feet/year)	30 yr PRD*	60 yr PRD*
B2	11.1	10-03-001-364-00 middle 1,500 feet	3.4	115	220
B3	11.11	10-03-001-364-00	5.3	175	335
B3	12	10-03-001-369-00 northern 1,320 feet; Grand Traverse Regional Land Conservancy	5.3	175	335
B4	12.1	10-03-001-369-00 middle 1,050 feet	2.3	85	155
B5	12.11	10-03-001-369-00	4.4	145	280
B5	12.12	10-03-001-369-10 Grand Traverse Regional Land Conservancy	4.4	145	280
B5	12.13	10-03-001-376-00	4.4	145	280
B5	13	10-03-001-377-00 northern 120 feet; MDOT	4.4	145	280
B6	13.1	10-03-001-377-00	1.5	60	105

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.**