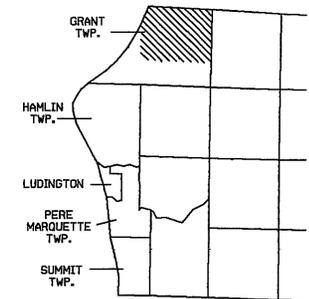


# GRANT TOWNSHIP (EAST)

## HIGH RISK EROSION AREAS & CRITICAL DUNE AREAS

MASON COUNTY, PAGE 2 OF 2



### HIGH RISK EROSION AREAS

THE NUMBER REPRESENTS, IN FEET, THE  
 $\frac{60'}{105'}$  30 YEAR PROJECTED RECESSION DISTANCE.  
 $\frac{90'}{165'}$  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 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 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

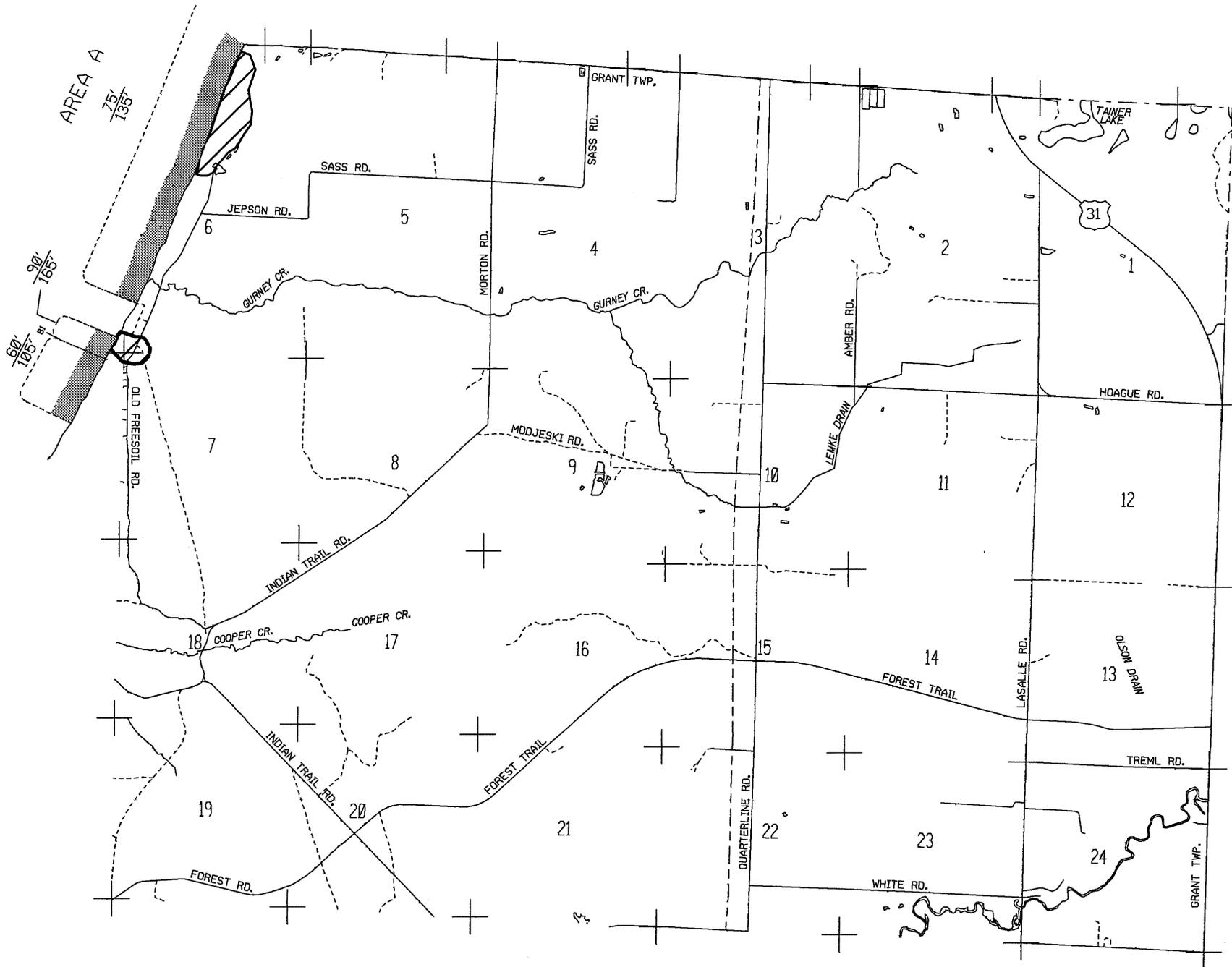
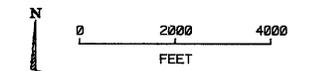
### INFORMATION

MICHIGAN DEPARTMENT OF NATURAL RESOURCES  
 LAND AND WATER MANAGEMENT DIVISION  
 P.O. BOX 30458  
 LANSING, MI 48909-7958  
 (517) 373-1950



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

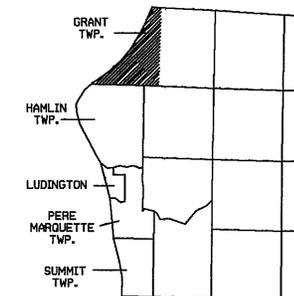
11-95



# GRANT TOWNSHIP (WEST)

## HIGH RISK EROSION AREAS & CRITICAL DUNE AREAS

MASON COUNTY, PAGE 1 OF 2



### HIGH RISK EROSION AREAS

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

HIGH RISK EROSION AREA (hatching 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 451.

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

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### SOURCE

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

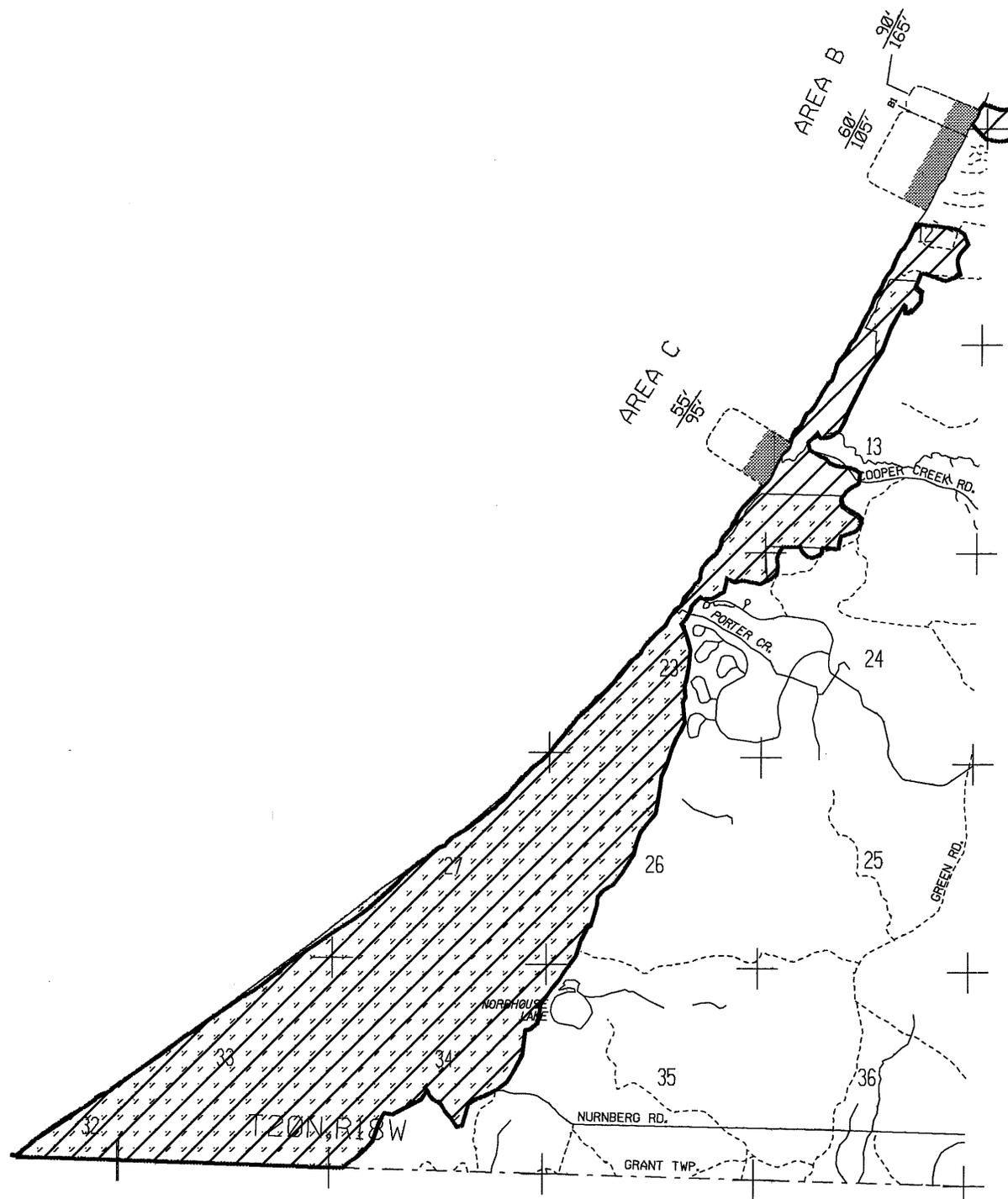
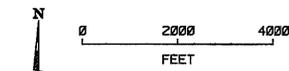
### INFORMATION

MICHIGAN DEPARTMENT OF NATURAL RESOURCES  
 LAND AND WATER MANAGEMENT DIVISION  
 P.O. BOX 36458  
 LANSING, MI 48989-7958  
 (517) 373-1950

**GLIS**

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

11-95



# Parcels in High Risk Erosion Areas of Grant 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	53-06-006-006-90	2.0	75	135
A1	2	53-06-006-006-85	2.0	75	135
A1	3	53-06-006-006-80	2.0	75	135
A1	4	53-06-006-006-75	2.0	75	135
A1	5	53-06-006-006-70	2.0	75	135
A1	6	53-06-006-006-65	2.0	75	135
A1	7	53-06-006-006-60	2.0	75	135
A1	8	53-06-006-006-55	2.0	75	135
A1	9	53-06-006-006-45	2.0	75	135
A1	10	53-06-006-006-40	2.0	75	135
A1	11	53-06-006-006-35	2.0	75	135
A1	12	53-06-006-006-30	2.0	75	135
A1	13	53-06-006-006-25	2.0	75	135
A1	14	53-06-006-006-20	2.0	75	135
A1	15	53-06-006-006-15	2.0	75	135
A1	16	53-06-006-006-10	2.0	75	135
A1	17	53-06-006-006-00	2.0	75	135
A1	18	53-06-150-015-00	2.0	75	135
A1	19	53-06-150-014-00	2.0	75	135

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 Grant 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	20	53-06-150-013-00	2.0	75	135
A1	21	53-06-150-011-00	2.0	75	135
A1	22	53-06-150-010-00	2.0	75	135
A1	22.1	53-06-150-009-00	2.0	75	135
A1	23	53-06-150-008-10	2.0	75	135
A1	24	53-06-150-007-00	2.0	75	135
A1	24.1	53-06-150-006-00	2.0	75	135
A1	25	53-06-150-005-00	2.0	75	135
A1	26	53-06-150-004-00	2.0	75	135
A1	27	53-06-150-003-00	2.0	75	135
A1	28	53-06-150-001-00	2.0	75	135
A1	29	53-06-006-010-00	2.0	75	135
A1	29.1	53-06-006-010-50	2.0	75	135
A1	30	53-06-006-011-00	2.0	75	135
A1	31	53-06-500-001-00	2.0	75	135
B1	32	53-06-500-019-00	2.5	90	165
B1	33	53-06-500-022-00	2.5	90	165
B1	34	53-06-112-012-00	2.5	90	165
B2	35	53-06-112-012-50	1.5	60	105
B2	36	53-06-112-012-90	1.5	60	105

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

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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*
B2	37	53-06-112-003-10	1.5	60	105
B2	38	53-06-112-004-00	1.5	60	105
B2	39	53-06-112-005-00	1.5	60	105
B2	40	53-06-112-006-00	1.5	60	105
B2	41	53-06-112-007-00	1.5	60	105
B2	42	53-06-112-002-00	1.5	60	105
B2	43	53-06-112-008-00	1.5	60	105
B2	44	53-06-112-010-00	1.5	60	105
B2	45	53-06-112-009-00	1.5	60	105
C1	46	53-06-113-004-50	1.3	55	95
C1	47	53-06-113-004-40	1.3	55	95
C1	48	53-06-113-004-30	1.3	55	95
C1	49	53-06-113-004-20	1.3	55	95
C1	50	53-06-113-004-10	1.3	55	95
C1	51	53-06-113-004-00	1.3	55	95

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