

**High-Risk Erosion Area Update - 2015**

Bay Mills Township, Chippewa County  
T47N, R03W Section 17  
T47N, R04W Sections 13, 23, 24

**High Risk Erosion Areas**  
**30 YR/60 YR Projected Recession Distance (Feet)**  
**Average Annual Rate of Recession (FT/YR)**

AREA A1: 45/75' (Avg. 1.0 FT/YR)  
AREA C1:

AREA B1: 50/80' (Avg. 1.1 FT/YR)  
AREA D1:

0

500

1,000

1,500

Feet

1 inch = 464 feet

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Roads

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Sections

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HREA Parcels

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1982 HREAs (approximate)

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De-Designated Parcels

**MAP INFORMATION:**

This map identifies potential High-Risk Erosion Areas under Part 323, Shorelands Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. The shaded areas indicate recession of at least one foot per year.

Background, roads and survey data were provided by the State of Michigan, Center for Shared Solutions and Technology Partnerships.

Questions regarding this map should be directed to the Michigan Department of Environmental Quality at 517-284-5567.



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Recession/Accretion values for each area were calculated using the Digital Shoreline Analysis System from the USGS (Thieler, E.R., Himmelstoss, E.A., Zichichi, J.L., and Ergul, Ayhan, 2000, Digital Shoreline Analysis System (DSAS) version 4.0 - An ArcGIS extension for calculating shoreline change: U.S. Geological Survey Open-File Report 2008-127)

# Parcels in High Risk Erosion Areas of Bay Mills Township, Chippewa County

HREAs identified West to East      Date of Designation: July 10, 2015

HREA*	Sequence No.	Parcel Identification Number	Rate (feet/year)	30 yr PRD*	60 yr PRD*
A1	1	17-001-218-023-00 extending 885 feet from a point 1,030 ft west of the east property line	1.0	45	75
B1	2	17-001-224-004-00 eastern 105 feet	1.1	50	80
B1	3	17-001-224-002-00	1.1	50	80
B1	4	17-001-224-003-00	1.1	50	80
B1	5	17-001-224-014-00 western 70 feet	1.1	50	80
C1	6	17-001-117-019-00	1.0	45	75
C1	7	17-001-117-020-00	1.0	45	75
C1	8	17-001-117-021-00 USDA-FS	1.0	45	75
C1	9	17-001-117-022-00	1.0	45	75
D1	10	17-001-117-005-00 eastern 110 feet	1.1	50	80
D1	11	17-001-117-002-50	1.1	50	80
D1	12	17-001-117-001-75	1.1	50	80
D1	13	17-001-117-002-00	1.1	50	80

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.**