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:

N
W E
S

0 500 1,000 1,500 Feet

1 inch = 464 feet

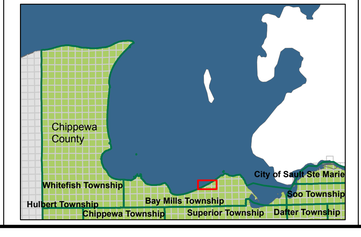
Roads
Sections
HREA Parcels
1982 HREAs (approximate)
De-Designated Parcels

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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7/10/2015

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, 2009, Digital Shoreline Analysis System (DSAS) version 4.0 - An ArcGIS extension for calculating shoreline change: U.S. Geological Survey Open-File Report 2008-127)