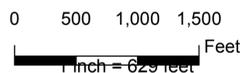


High-Risk Erosion Area Update - 2015

Whitefish Township, Chippewa County
T50N, R07W Sections 06, 05, 04, and 03

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

AREA A1: 75'/135' (Avg. 2.0 FT/YR)	AREA B5: 115'/220' (Avg. 3.4 FT/YR)
AREA B1: 45'/75' (Avg. 1.0 FT/YR)	AREA B6: 90'/165' (Avg. 2.5 FT/YR)
AREA B2: 70'/125' (Avg. 1.8 FT/YR)	AREA B7: 140'/260' (Avg. 4.1 FT/YR)
AREA B3: 95'/175' (Avg. 2.7 FT/YR)	AREA B8: 110'/200' (Avg. 3.1 FT/YR)
AREA B4: 160'/305' (Avg. 4.8 FT/YR)	



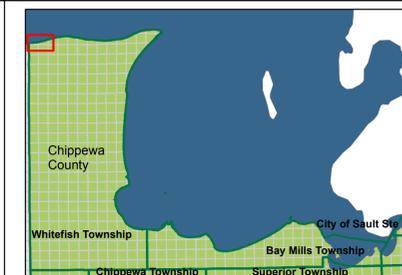
- Sections
- HREA Parcels
- Roads

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.



Map Created by: Jeremy Jones
Environmental Quality Analyst
Water Resources Division
Michigan Department Of Environmental Quality
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, A., 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).