

# High-Risk Erosion Area Update - 2015

Soo Township, Chippewa County  
T47N, R01W Sections 20, 29, 30, 31

### High Risk Erosion Areas

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

- AREA A1: 55/95' (Avg. 1.3 FT/YR)  
AREA C1:
- AREA B1: 90/165' (Avg. 2.5 FT/YR)
- AREA D1: 75/135' (Avg. 2.0 FT/YR)

1 inch = 417 feet

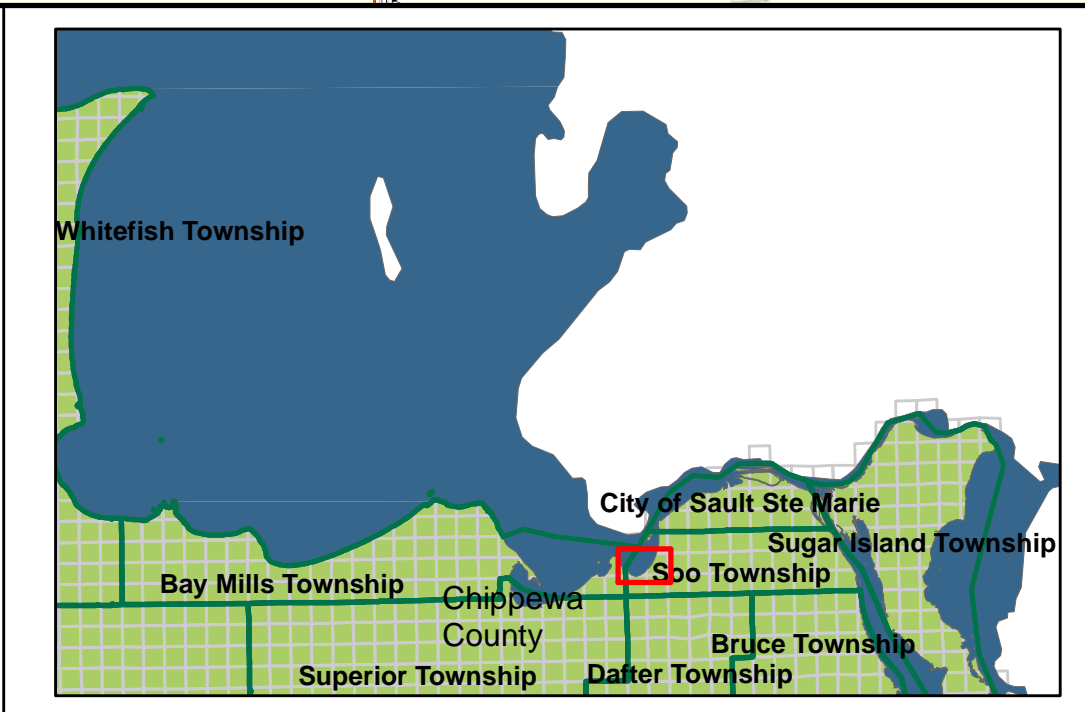
- Roads
- 1982 HREAs (approximate)
- Sections
- De-Designated Parcels
- HREA Parcels

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.



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., Zichocki, 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 Soo 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	17-012-080-002-00	1.3	55	95
A1	2	17-012-081-003-00	1.3	55	95
B1	3	17-012-470-018-00	2.5	90	165
B1	4	17-012-470-017-00	2.5	90	165
B1	5	17-012-470-016-00	2.5	90	165
B1	6	17-012-470-015-00	2.5	90	165
B1	7	17-012-470-013-00	2.5	90	165
B1	8	17-012-470-012-00	2.5	90	165
B1	9	17-012-470-011-00	2.5	90	165
B1	10	17-012-470-010-00	2.5	90	165
C1	11	17-012-080-001-80 eastern 370 feet	1.3	55	95
C1	12	17-012-080-001-00	1.3	55	95
C1	13	17-012-080-001-40	1.3	55	95
C1	14	17-012-080-001-00 western 150 feet	1.3	55	95
C1	14.2	17-012-080-001-20	1.3	55	95
D1	15	17-012-079-011-00	2.0	75	135
D1	16	17-012-079-015-00	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 Soo 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*
D1	17	17-012-079-002-00 State of Michigan	2.0	75	135
D1	18	17-012-070-001-00 southern 350 feet	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.**