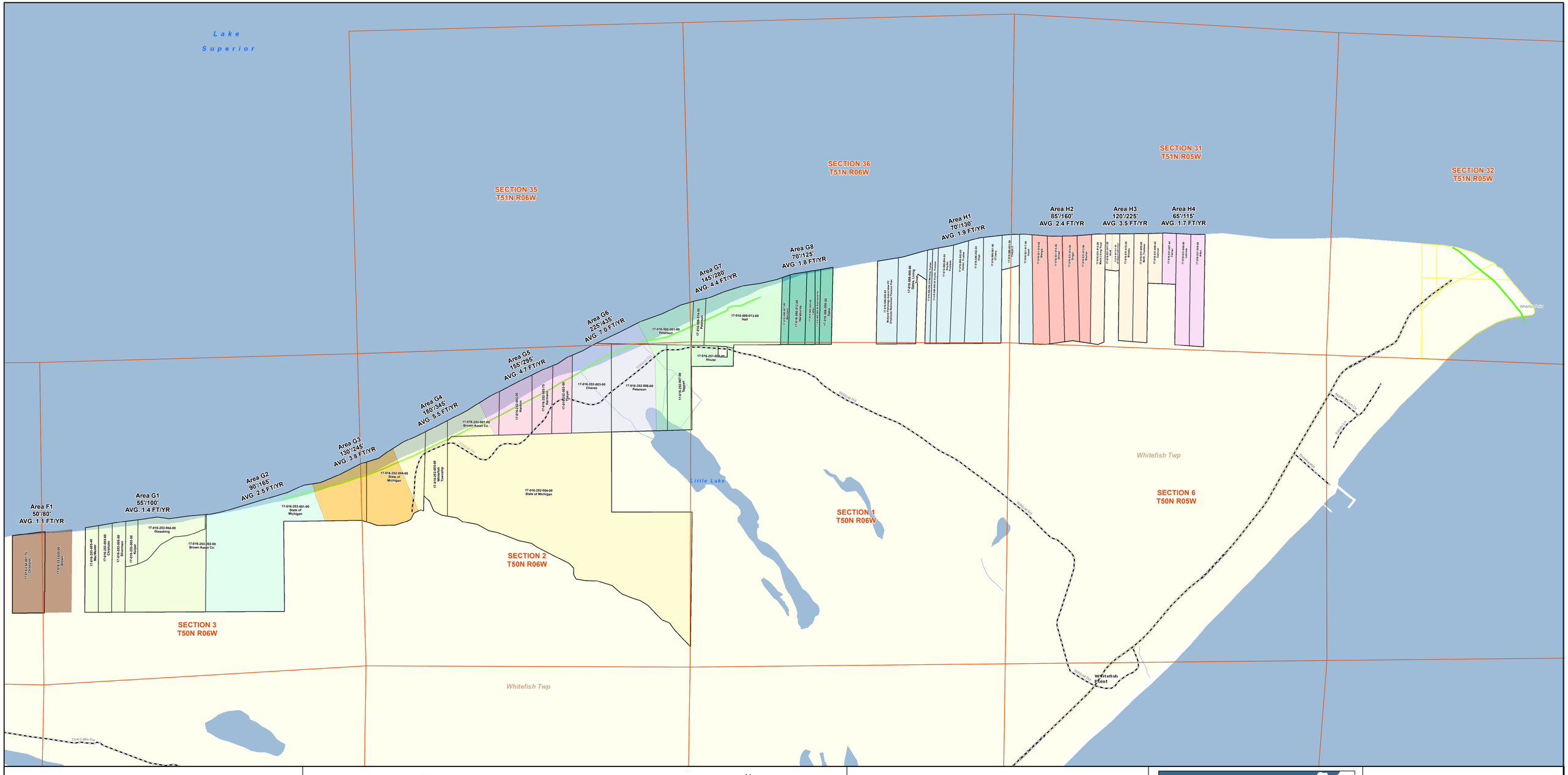


High-Risk Erosion Area Update - 2015

Whitefish Township, Chippewa County
T50N, R06W Sections 04, 03, 02
T51N, R06W Sections 35, 36
T51N, R05W Section 31

High Risk Erosion Areas

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

- AREA F1: 50'/80' (Avg. 1.1 FT/YR)
- AREA G1: 55'/100' (Avg. 1.4 FT/YR)
- AREA G2: 90'/165' (Avg. 2.5 FT/YR)
- AREA G3: 130'/245' (Avg. 3.8 FT/YR)
- AREA G4: 180'/345' (Avg. 5.5 FT/YR)
- AREA G5: 155'/295' (Avg. 4.7 FT/YR)
- AREA G6: 225'/435' (Avg. 7.0 FT/YR)
- AREA G7: 145'/280' (Avg. 4.4 FT/YR)
- AREA G8: 70'/125' (Avg. 1.8 FT/YR)
- AREA H1: 70'/130' (Avg. 1.9 FT/YR)
- AREA H2: 85'/160' (Avg. 2.4 FT/YR)
- AREA H3: 120'/225' (Avg. 3.5 FT/YR)
- AREA H4: 65'/115' (Avg. 1.7 FT/YR)

N W E S

0 450 900 1,800 2,700

1 inch = 897 feet

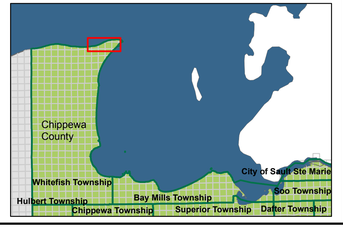
- Roads
- Sections
- HREA Parcels
- 1982 HREAs (approximate)
- De-Designated Parcels

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.



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, 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)