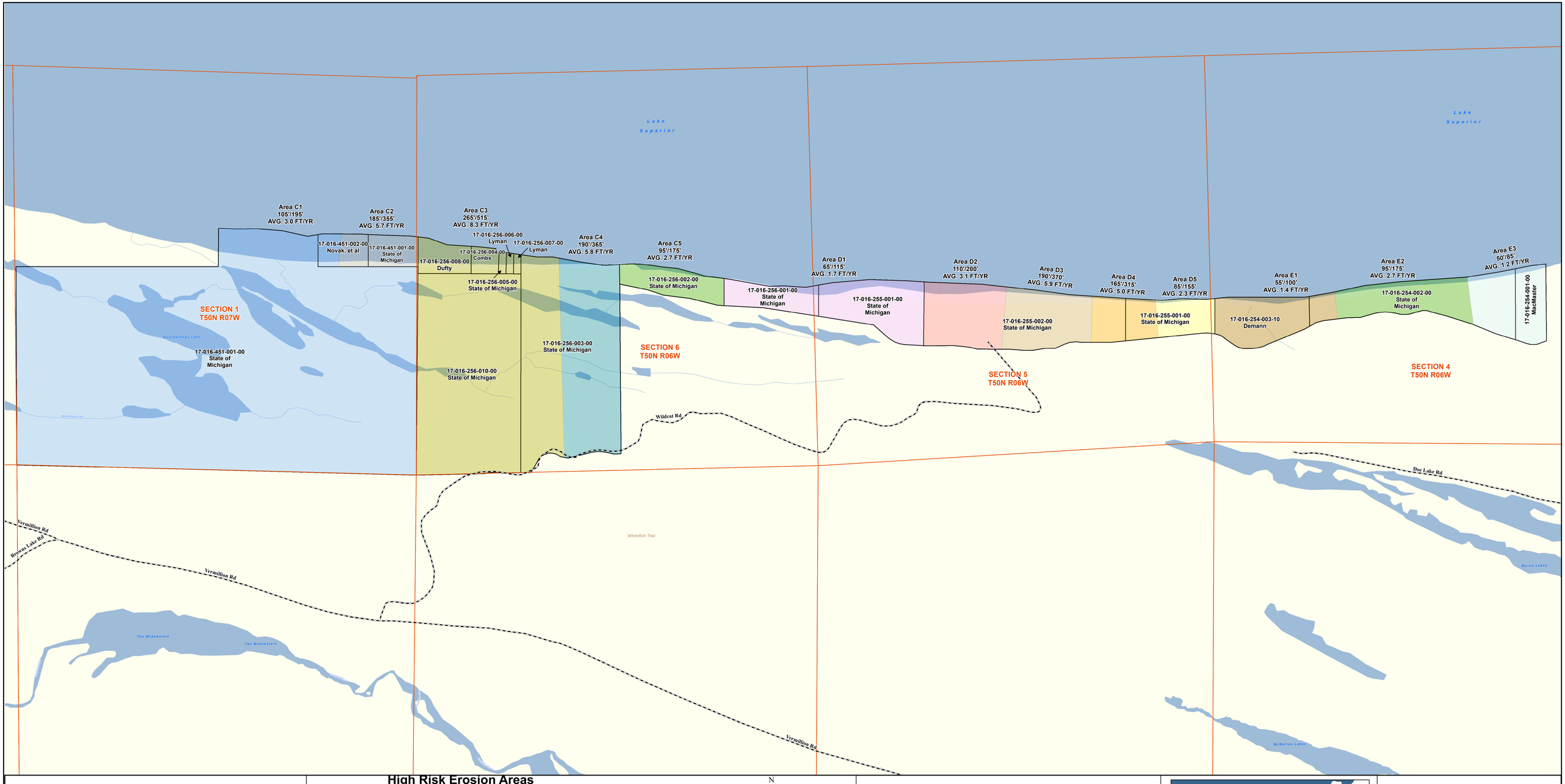


High-Risk Erosion Area Update - 2015

Whitefish Township, Chippewa County
T50N, R07W Section 01
T50N, R06W Sections 06, 05, 04

High Risk Erosion Areas

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

- AREA C1: 105'/195' (Avg. 3.0 FT/YR)
- AREA C2: 185'/355' (Avg. 5.7 FT/YR)
- AREA C3: 265'/515' (Avg. 8.3 FT/YR)
- AREA C4: 190'/365' (Avg. 5.8 FT/YR)
- AREA C5: 95'/175' (Avg. 2.7 FT/YR)
- AREA D1: 65'/115' (Avg. 1.7 FT/YR)
- AREA D2: 110'/200' (Avg. 3.1 FT/YR)
- AREA D3: 190'/370' (Avg. 5.9 FT/YR)
- AREA D4: 165'/315' (Avg. 5.0 FT/YR)
- AREA D5: 85'/155' (Avg. 2.3 FT/YR)
- AREA E1: 55'/100' (Avg. 1.4 FT/YR)
- AREA E2: 95'/175' (Avg. 2.7 FT/YR)
- AREA E3: 50'/85' (Avg. 1.2 FT/YR)

N
W E
S

0 500 1,000 1,500 Feet

1 inch = 501 feet

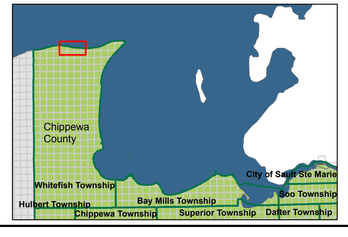
Roads
Sections
HREA Parcels

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.



DEQ

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)