



# Parcels in High Risk Erosion Areas of Ford River Township, Delta County

Date of Designation: May 18, 2023

Parcel Identification No.	Address	HREA*	Rate (feet/year)	30 yr PRD*	60 yr PRD*
21-009-064-081-00	E 4957 State Highway M35	F	1	45	75
21-009-064-080-00	E 4951 State Highway M35	F	1	45	75
21-009-064-078-00	E 4943 State Highway M35	F	1	45	75
21-009-064-077-00	E 4935 State Highway M35	F	1	45	75
21-009-064-076-00	E 4929 State Highway M35	F	1	45	75
21-009-370-070-00	E 4923 State Highway M35	F	1	45	75
21-009-370-069-00	E State Highway M35	F	1	45	75
21-009-370-068-00	E 4905 State Highway M35	F	1	45	75
21-009-370-067-00	E 4899 State Highway M35	F	1	45	75
21-009-370-062-00	E 4857 State Highway M35	G	1.4	55	100
21-009-370-060-00	E 4853 State Highway M35	G	1.4	55	100
21-009-370-059-00	E 4837 State Highway M35	G	1.4	55	100
21-009-370-058-00	E 4833 State Highway M35	G	1.4	55	100

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 Great Lakes Shorelands staff, Water Resources Division, EGLE in Lansing or the local EGLE field office for assistance.**



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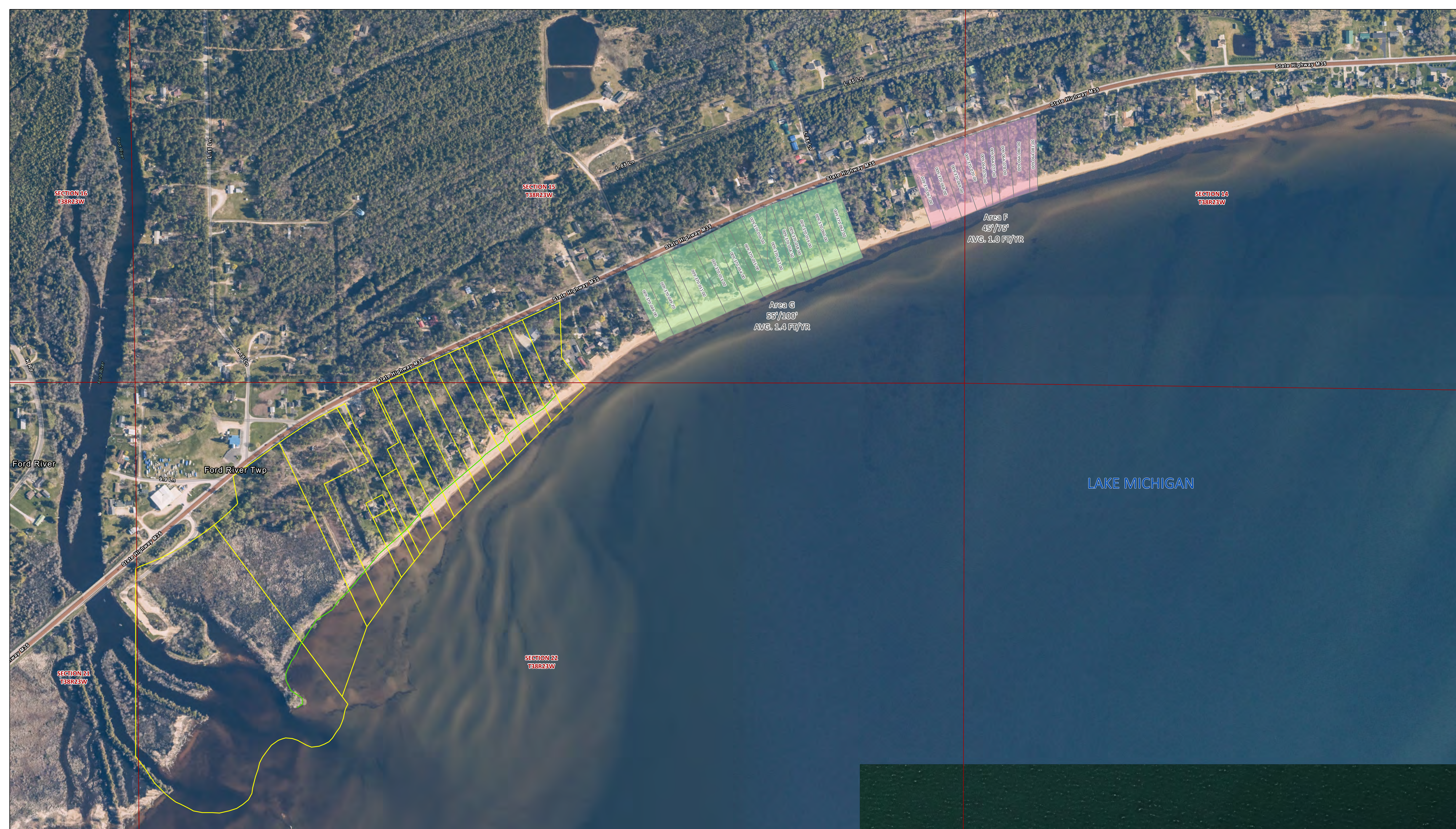
Parcel Identification No.	Address	HREA*	Rate (feet/year)	30 yr PRD*	60 yr PRD*
21-009-370-058-50	E 4831 State Highway M35	G	1.4	55	100
21-009-370-057-00	E State Highway M35	G	1.4	55	100
21-009-370-056-00	E State Highway M35	G	1.4	55	100
21-009-370-055-00	E 4807 State Highway M35	G	1.4	55	100
21-009-370-054-00	E 4799 State Highway M35	G	1.4	55	100
21-009-370-053-00	E 4793 State Highway M35	G	1.4	55	100
21-009-370-051-00	E 4785 State Highway M35	G	1.4	55	100
21-009-370-049-20	E 4769 State Highway M35	G	1.4	55	100
21-009-370-048-00	E 4757 State Highway M35	G	1.4	55	100

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# High-Risk Erosion Area Update - 2023

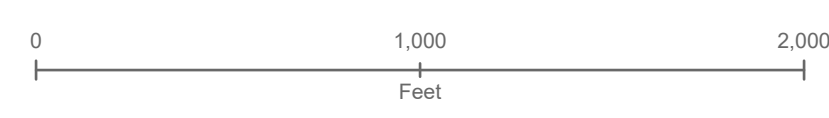
Ford River Township, Delta County  
T38N, R23W Sections 14, 15, and 22

## High Risk Erosion Areas

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

- Area F: 45'/75' (Avg. 1.0 FT/YR)
- Area G: 55'/100' (Avg. 1.4 FT/YR)
- Designated Parcels
- 1985 HREAs (approximate)
- De-Designated Parcels
- Sections

Background Image: 2021

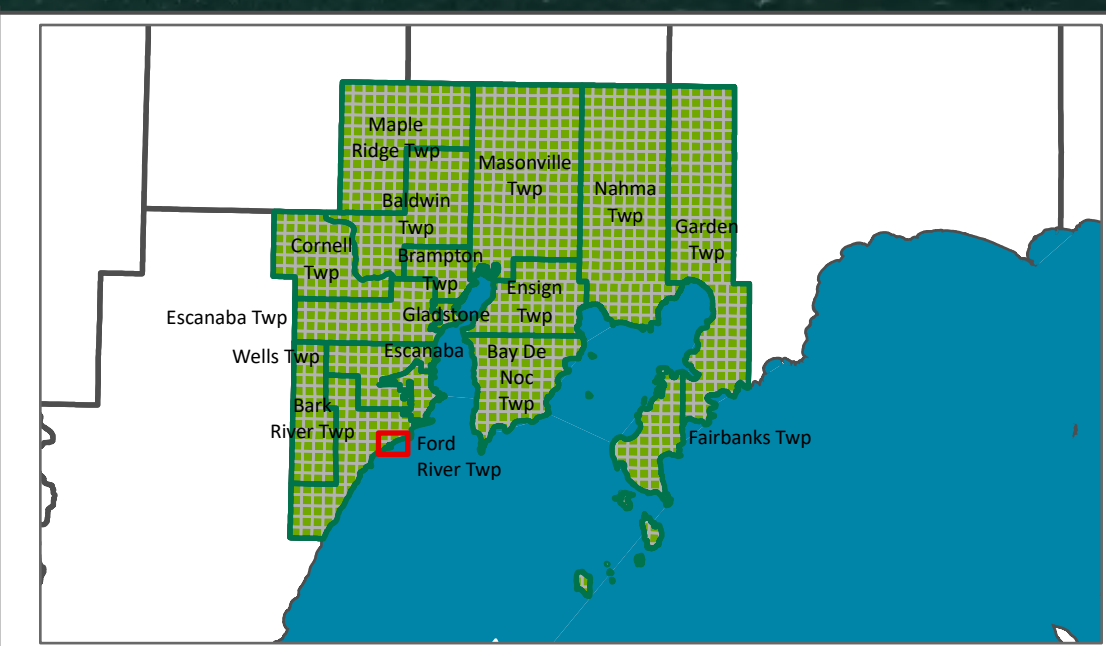


### MAP INFORMATION:

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 an average rate of recession of at least one foot per year.

Background imagery, as well as 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 Environment, Great Lakes, and Energy 517-284-5567.



Map Created by: Jeremy Jones  
Environmental Quality Analyst  
Water Resources Division  
Michigan Department of Environment, Great Lakes, and Energy  
5/18/2023

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 5.1 - An ArcGIS extension for calculating shoreline change: U.S. Geological Survey Open-File Report 2008-127)