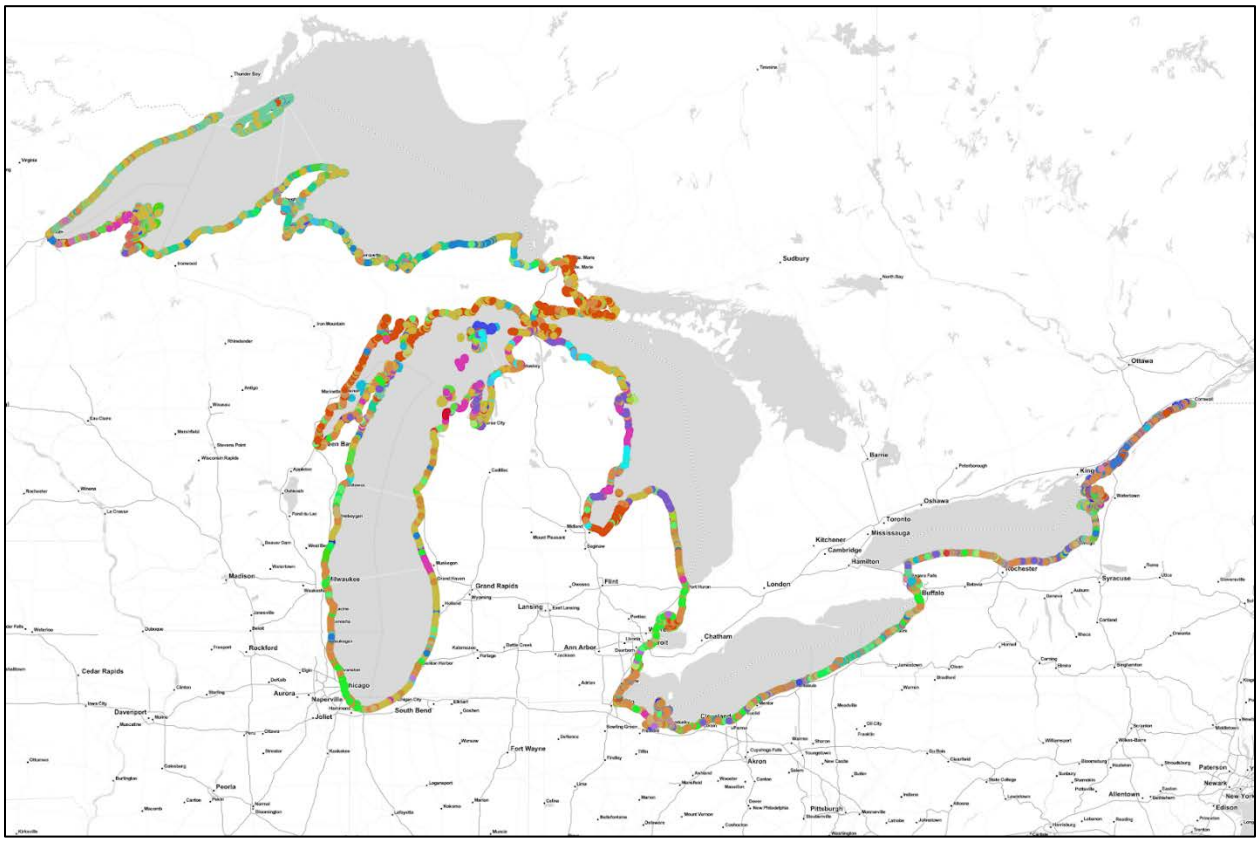
NOAA GLRI Webinar - Project Fact Sheet

Project Title	Hardened Shoreline Ecological Indicator GIS
Project Lead	PI: Heather Stirratt Co-PIs, if applicable: Brandon Krumwiede
Funding amount ($) and years funded	FY18 - $400,000
External partners, collaborators and/or sub-awardees	U.S. Army Corps of Engineers, Tetra Tech
GLRI Focus Area	5 – Foundations for Future Restoration Actions
GLRI Action Plan Primary Measure	**Objective:** 5.3 - Implement a science based adaptive management approach for GLRI.
	Measure(s) of Progress: 5.3.1 - Project evaluations completed and used to prioritize GLRI funding decisions each year.
Brief project description	For many years the need for tracking changes in hardened shoreline has been recognized as a priority in the Great Lakes and it is one of many GLWQA ecological indictors. Understanding where hardened shoreline plays a role in identifying opportunities for littoral system restoration is a critical aspect of prioritizing work in an anthropomorphic system. NOAA used existing aerial imagery and ancillary data to develop a baseline hardened shoreline classification using the best available imagery to date. The following products were created: • Data sources list • Uniform methodology for classification • Geospatial data product (US side) • Final report providing summary statistics from the basin level to state level This effort provides a Great Lakes (US side) baseline for this long ignored ecological indicator. The unintended consequences of hardened shoreline have long been recognized, but to date are not comprehensibly collected to recognize potential systemic issues in Focus Area 4.



New Hardened Shoreline Classification for the Great Lakes showing shoreline type. Other attributes include: primary structure type and condition; secondary structure type and condition; town; county; state; image source vintage; and length. Final products will be publicly available February 2020.