

## Michigan's Coastal Management Program 2018 Grants Fact Sheet

The Office of the Great Lakes' Coastal Management Program is pleased to announce awards of more than \$500,000 in federal grant funds for 11 projects and initiatives. The funding will support the efforts of local governments, non-profit organizations, and university researchers to protect coastal communities, conserve valuable coastal environments, and collect new data. Projects will improve beach safety, create public access, and develop tools to protect coastal habitat.

Michigan's Coastal Management Program is funded in part by the [National Oceanic and Atmospheric Administration](#), which supports a nationwide network of programs protecting America's fresh and saltwater coasts. The program is a state-federal partnership established under the Coastal Zone Management Act of 1972.

Discover how the Coastal Management team works to protect, restore, and enhance Michigan's coastal resources at [www.michigan.gov/coastalmanagement](http://www.michigan.gov/coastalmanagement).

**Project Name:** Coastal Planners Initiative

**Grantee:** Michigan Association of Planning

**Grant Amount:** \$64,000 grant/ \$64,000 local match

**Location:** Great Lakes coastal communities

**Project Description:** The Coastal Management Program will collaborate with the Michigan Association of Planning to develop a training program that will provide professional planners with the tools, applications, and best practices to empower them to address the specific issues facing coastal communities. Issues such as the impacts from severe weather events and variations in Great Lakes water levels. The Michigan Association of Planning will conduct a workshop to address coastal resource management including scientific foundations of coastal hazards and how to message best management practices to a diverse audience.

**Project Name:** Coastal Clean Beaches Initiative

**Grantee:** Alliance for the Great Lakes

**Grant Amount:** \$25,000 grant/ \$25,000 local match

**Location:** 140 coastal beaches across Michigan

**Project Description:** The Coastal Management Program continues years of collaboration with the Alliance for the Great Lakes to run the statewide Adopt-A-Beach Program to clean up and monitor approximately 140 coastal beaches in Michigan. The program fosters the participation of clean-up teams from coastal communities in 32 locations and culminates with the annual clean-up event held the third Saturday in September in conjunction with the Ocean Conservancy International Coastal Cleanup. The Coastal Management Program and the Alliance for the Great Lakes continue to seek solutions to reducing beach waste through outreach and increased accessibility to recycling and waste containers on coastal beaches.

**Project Name:** Coastal Clean Marina Initiative

**Grantee:** Michigan Boating Industries Association

**Grant Amount:** \$25,000 grant/ \$25,000 local match

**Location:** Michigan Great Lakes coastal marinas

**Project Description:** The Coastal Management Program, Michigan Boating Industries Association, and Michigan Sea Grant at the University of Michigan will partner to support the Clean Marina Program. This grant will support Clean Marina Specialists who will conduct site visits at new and renewing marina facilities, recruit new facilities for the Clean Marina Program, and provide the Clean Marina Operations Committee with technical assistance. Michigan Sea Grant will investigate engagement methods to increase recertification and new certification rates.

**Project Name:** Great Lakes Underwater Antiquities (Historic Resources)

**Grantee:** Michigan Department of Natural Resources Law Enforcement Division

**Grant Amount:** \$25,000 grant/ \$25,000 local match

**Location:** Great Lakes bottomlands

**Project Description:** The Coastal Management Program will collaborate with the Michigan Department of Natural Resources Law Enforcement Division to protect Michigan's Great Lakes underwater shipwrecks and historic resources. The project will include public outreach to the diving community on shipwreck stewardship.

**Project Name:** Coastal Hazards Assistantship

**Grantee:** Michigan Sea Grant

**Grant Amount:** \$25,000 grant/ \$25,000 local match

**Location:** Michigan's Great Lakes coastal communities

**Project Description:** The Coastal Management Program will collaborate with Michigan Sea Grant at Michigan State University to host a graduate assistantship. The graduate student will conduct research to understand stewardship motivations and Great Lakes coastal resource management for subjects including hazard adaptation, risk reduction, and resiliency. The research will inform community-based engagement strategies for the conservation and management of the Great Lakes coast.

**Project Name:** Coastal Dunes Spatial Data Project

**Grantee:** Michigan State University- Michigan Natural Features Inventory

**Grant Amount:** \$94,667 grant/ \$94,667 local match

**Location:** Statewide coastal zone

**Project Description:** To improve coastal resiliency and better inform local land use decisions along the coastal zone, the Michigan Natural Features Inventory will create new geo-spatial data and information. In collaboration with Networks Northwest, MNFI is currently developing new data layers on shoreline classification, erosion potential and coastal dunes in the Northwest Lower Peninsula. This project will build on the research, lessons learned, and methodologies already developed, and apply it to all remaining coastal areas of the state. In addition, MNFI will create user-friendly summaries of each coastal dune system in the Northwest Lower Peninsula and organize webinars about the new information.

**Project Name:** Black Lake Park - Accessible Kayak Launch

**Grantee:** City of Norton Shores

**Grant Amount:** \$52,500 grant/ \$52,500 local match

**Location:** Norton Shores Black Lake Park

**Project Description:** The City of Norton Shores will collaborate with Spring Lake Township to provide an accessible kayak launch and supporting infrastructure on Little Black Lake. The project will expand public access to coastal water resources and provide additional recreational opportunities to residents and visitors.

**Project Name:** Village of Sebewaing Master Plan

**Grantee:** Village of Sebewaing

**Grant Amount:** \$17,000 grant/ \$17,000 local match

**Location:** Sebewaing, Huron County

**Project Description:** The Village of Sebewaing will complete a new master plan that incorporates a recently developed coastal resiliency strategy in partnership with Sebewaing Township, Sebewaing Downtown Development Authority, Huron County Economic Development, and others. The Village has recently appointed a planning commission to map the community's vision for the future. The master plan, with public engagement, will help the city best manage its natural and recreational Lake Huron resources, including coastal wetlands, a marina, an inland waterway, and a campground.

**Project Name:** Mapping Great Lakes Beach Hazards and Decision Support Tool

**Grantee:** Michigan Technological University

**Grant Amount:** \$81,770 grant/ \$81,770 local match

**Location:** Michigan's Lakes Superior, Michigan, Huron, and Erie coastlines

**Project Description:** Michigan Technological University will improve understanding of dangerous Great Lakes nearshore currents by expanding previous work on state park beaches to all of Michigan's Great Lakes coastlines. A hazard map, paired with data collected in the Great Lakes Current Incident Database, will be used to formulate a new, experimental algorithm for predicting dangerous currents using forecast models. An online decision support tool will be created that combines Michigan Technological University's data with other existing resources to help local beach managers make effective safety decisions and prevent loss of life.

**Project Name:** Great Lakes Fisheries Heritage Trail Website

**Grantee:** Northeast Michigan Council of Governments

**Grant Amount:** \$26,900 grant/ \$26,900 local match

**Location:** Michigan's Great Lakes coastal communities

**Project Description:** In partnership with the Great Lakes Fisheries Heritage Network, Northeast Michigan Council of Governments will design, develop, and promote a statewide Great Lakes Fisheries Heritage Trails website that provides information of interest to tourists and other visitors about the fishing businesses, maritime museums, fishing festivals, and other fisheries heritage attractions in coastal communities of Michigan. The website will bolster the regional networking capacity of the statewide Great Lakes Fisheries Heritage Network, and create a virtual fisheries heritage trail that fosters Great Lakes literacy and promotes sustainable coastal tourism.

**Project Name:** Aerial Invasive Species Mapping System

**Grantee:** Michigan State University – Michigan Natural Features Inventory

**Grant Amount:** \$75,000 grant/ \$75,000 local match

**Location:** Great Lakes coastal zone

**Project Description:** Michigan Natural Features Inventory, working in collaboration with the Michigan Aerospace Corporation, will use high-resolution aerial images to develop a monitoring program to determine the spread and impacts of invasive species in coastal ecosystems. The project will help develop a system to automatically analyze aerial photos to reduce the time and cost of evaluating coastal ecosystems.

