

**2016 Michigan Invasive Species Grant Program - Projects Receiving Funding (17)**

Project Title	Brief Project Description	Applicant Name	Applicant Organization	Project Counties	Grant Amount
<b>Focus Area 1: Using regional, collaborative partnerships to prevent, detect, eradicate, and control invasive species</b>					
Three Shores Cooperative Invasive Species Management Program	The Three Shores project will provide prevention, detection, eradication, and control of non-native invasive species through outreach and education and strategic control efforts. A minimum of 200 acres of invasive species will be treated with 100 miles of shoreline and 1,500 acres surveyed and monitored in the Eastern Upper Peninsula.	Kristina Denison	Chippewa Luce Mackinac Conservation District	Chippewa, Luce, Mackinac	\$312,158
New Horizons - Northeast Michigan CWMA	This project includes an expansion of work completed in the Northeast Michigan Cooperative Weed Management Area in working with landowners, local communities and regional partners to detect, treat and prevent the spread of invasive species in our many special natural communities including sensitive coastal wetlands and high-value wildlife areas.	Jennifer Muladore	Huron Pines	Otsego, Alcona, Alpena, Crawford, Cheboygan, Iosco, Oscoda, Ogemaw, Arenac, Montmorency, Roscommon, Presque Isle	\$335,861
Addressing Vectors and EDR Infestations in West Michigan	In order to continue to address invasive species in West Michigan, the WMCISMA plans to address vectors and no EDR infestation in West Michigan. With this project, the focus will be on vector sources to limit the spreading of invasives in addition to surveying and managing watch list species.	Drew Rayner	Ottawa Conservation District	Oceana, Newaygo, Mecosta, Muskegon, Kent, Montcalm, Ottawa, Allegan	\$333,963
Reinvigorating KISMA: Improved Collaborative Planning and Control of Invasive Species	We seek support to reinvigorate KISMA by reconnecting partners and creating a strategic plan for prevention, early detection, and control of invasive species. Proposed outreach and education will foster community understanding, awareness, and actions of more stakeholders to collectively help mitigate invasive species impacts across land ownership boundaries and ecosystems.	Sigrid Resh	KISMA/Keweenaw Land Trust	Baraga, Houghton, Keweenaw	\$261,021
WRISC CISMA Strategic Action Project	The WRISC Strategic Action Plan Project supports WRISC as a regional CISMA serving Dickinson and Menominee Counties. WRISC will implement and revise their Strategic Action Plan, focusing on education and outreach, increased monitoring and detection, continued control and management, and highlighting invasive species monitoring in area riverine systems.	Lindsay Peterson	Wild Rivers Invasive Species Coalition	Dickinson, Menominee	\$162,000
CUPCWMA: Halting Invasives at the Hub	Project will initiate and continue management of priority terrestrial NNIS such as garlic mustard, knotweed, and baby's breath; control roadside invasives via timed mowing program; survey and manage NNIS at gravel pits to reduce infestation sources; sample lakes for AIS; conduct outreach to boaters and lake owners.	Teri Grout	Alger Conservation District	Alger, Delta, Marquette, Schoolcraft	\$200,000

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CAKE CISMA	CAKE has positively impacted over 2,400 acres and has educated over 20,000 individuals about invasive species. This funding will enhance CAKE's cost share program, having a major impact in the management of invasive species, while also allowing CAKE to continue to expand educational endeavors.	Thomas Clement	Antrim Conservation District	Charlevoix, Antrim, Kalkaska, Emmet	\$138,000
<b>Focus Area 2: Integrated and novel approaches for managing aquatic invasive species in Michigan waters</b>					
Control Sea Lamprey in the Pigeon, Sturgeon, and Maple Rivers with sterile males instead of lampricide - Step 1 toward eradication of sea lamprey from Michigan's Inland Waterway	We will eliminate the need for the next scheduled lampricide treatment in the Pigeon, Sturgeon, and Maple rivers by releasing sterilized male sea lamprey (a novel and integrated approach). If successful, the sterile male release technique will be cheaper than traditional lampricide control, have less environmental impact, and would constitute the first step in eradicating sea lamprey from Michigan's Inland Waterway.	Nicholas Johnson	U.S. Geological Survey, Hammond Bay Biological Station	Cheboygan, Otsego, Emmet	\$122,100
<b>Focus Area 3: Implementing high priority projects for terrestrial invasive species</b>					
Projecting Hemlock Woolly Adelgid Distribution and Risk in Michigan	We will generate critical information to support hemlock woolly adelgid (HWA) surveys, assess risk, and establish a framework for prioritizing HWA management across Michigan. Our science-based approach entails refinement and verification of statewide and fine-scale hemlock models, evaluation of micro- and macro-climatic effects on HWA survival, and risk-mapping to project HWA impacts.	Deborah G. McCullough	Michigan State University	Statewide	\$314,453
<b>Focus Area 4: Outreach and education to prevent new introductions and reduce the spread of existing invasions</b>					
Educating Educators Everywhere to Prevent New Invaders	This project uses Teacher Professional Development workshops statewide to educate about invasive species and prevent their release. Teachers learn how invasive species education helps them to achieve Michigan's Science Standards. Deliverables include hands-on activities, lesson plans, on-line educational materials, and facilitation of Learning Communities for long-term broad impact.	Jeffrey L. Ram	Wayne State University	Statewide	\$139,683
Feral Swine and Terrestrial Invasive Species Outreach and Education Strategy	MUCC will undertake a campaign to increase the awareness of emergent terrestrial invasive species issues, particularly Feral Swine, making use of its vast communications network to deliver targeted messages in a variety of print publications and online; develop adult and youth programming, and disseminate these products among conservation partner organizations.	Amy Trotter	Michigan United Conservation Clubs	Statewide	\$79,300
<b>Focus Area 5: Prevention of aquatic invasive species introduction and spread through the recreational boating and angling pathways</b>					
Expanding Clean Boats Clean Waters outreach program with regional CISMAs	This project will expand on the previously-funded Michigan Clean Boats, Clean Waters program, a statewide aquatic invasive species prevention, outreach, and education initiative. The project will use materials developed over the last year to conduct "Train the Trainers" with CISMAs. This project will increase prevention through education and outreach efforts.	Scott Brown	Michigan Lake and Stream Associations, Inc.	Statewide	\$19,050
Benzie, Leelanau and Manistee Counties Aquatic Invasive Species Pathway Project	Benzie Conservation District is proposing a project to prevent the spread of aquatic invasive species through public awareness and outreach to recreational boaters, anglers, and the public. Boat stations manned by BCD staff and educated volunteers will help recreational boaters become compliant with AIS-related laws in Northwest Michigan.	Tad Peacock	Benzie Conservation District	Benzie, Leelanau, Manistee	\$125,000

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<b>Focus Area 6: Other projects of demonstrated urgent need</b>					
Epidemiology, biology and population genetics of Oak Wilt	Our work will refine Michigan-specific Oak Wilt control and detection measures designed to reduce spread and improve detection confidence and speed. We will determine key high-risk periods of insect vector activity, fungal spore production and host tree susceptibility, and evaluate molecular methods for identification and source of spread.	Monique Sakalidis	Michigan State University	Roscommon, Muskegon, Washtenaw,	\$368,733
Citizen Science and New Zealand Mud Snails: Fly fisherman as Sentinels and Deterrents of Range Expansion	We propose a monitoring network of fly fishers as 'citizen scientists' in order to provide early detection of New Zealand mud snails (NZMS) in a large number of rivers across the state.	Scott Tiegs	Oakland University	Statewide	\$150,000
MISIN-Bridging the gap and closing the loop on invasive species data in Michigan	MISIN provides numerous key resources and tools which address important gaps in the management of invasive species as identified in Michigan's invasive species management plans. These gaps are primarily in the strategic action areas of monitoring and education. MISIN has shown considerable documented success and this proposal continues to build on this success in order to maintain the existing data gathering and sharing infrastructure by providing key improvements that will have immediate impacts on early detection and response efforts.	Amos Ziegler	Michigan State University	Statewide	\$251,835
Oak Wilt on Belle Isle	Oak Wilt control and management will be conducted on 200-acres in Belle Isle, one of the largest and last remaining wet-mesic flatwood forests in Michigan. Actions will include root graft barriers, spore producer management, and other preventative treatments.	Katy Wyerman	Belle Isle Conservancy	Wayne	\$194,750