

Pre-proposals invited for Full proposal development for the 2016 Michigan Invasive Species Grant Program (MISGP).					
The MISGP is administered by the Michigan Department of Natural Resources in conjunction with the departments of Environmental Quality and Agriculture and Rural Development.					
Focus Area	Project Title	Brief Project Description	Applicant Name	Applicant Organization	Amount Requested
1	Sharing Habitat Matters	Leveraging strong experience and fresh ideas, the Northwest Michigan Invasive Species Network (ISN) and its fiduciary, the Grand Traverse Conservation District, will work with partners to educate the public and prevent and control invasive species, spreading ISN's expertise within our service area and throughout the Great Lakes region.	Katie Grzesiak	Grand Traverse Conservation District	\$324,900
1	Three Shores Cooperative Invasive Species Management Program	The Three Shores project will provide prevention, detection, eradication, and control of nonnative 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	\$390,000
1	System-Scale, Multi-CISMA Dune Restoration in Eastern Lake Michigan	In order to restore and sustain viable, connected, and resilient coastal habitat supporting the globally-unique systems of Eastern Lake Michigan, this project's main goal will be to implement a coordinated multi-CISMA Early Detection and Response management project targeting the highest-threat invasive plants at Eastern Lake Michigan's most ecologically important sites.	Shaun Howard	The Nature Conservancy	\$369,472
1	New Horizons - Northeast Michigan CWMA	This project continues and expands the work of the Northeast Michigan Cooperative Weed Management Area in working with landowners of all types to detect and prevent the spread of invasive species in our many special natural communities.	Jennifer Muladore	Huron Pines	\$386,540
1	WRISC CISMA Strategic Action Project	The "WRISC CISMA Strategic Action 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 highlight invasive species monitoring in area riverine systems.	Lindsay Peterson	Dickinson Conservation District	\$162,000
1	Saginaw Bay CISMA Management Plan Implementation	Expand invasive species management in the Saginaw Bay Watershed following the SBCISMA's 5-Year Management Plan focusing on Education and Outreach, Early Detection and Rapid Response, and Control and Management. Priority species are non-native phragmites, black and pale swallow-wort, Japanese and giant knotweed, European frogbit, garlic mustard and flowering rush.	Erik Palm	Saginaw Conservation District	\$400,000
1	Moving forward for North Country CISMA Program	This project will continue and expand NCCISMA programs to manage invasive species in Lake, Mason, Missaukee, Osceola, and Wexford Counties. It will extend our outreach and treatment activities and will include an innovative partnership with Road Commissions, a collaborative program with area schools, and the development of a Strategic Plan.	Vicki Sawicki	Wexford Conservation District	\$357,206
1	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 new EDR infestations in West Michigan. With this project, the focus will be on vectors sources to limit the spreading of invasives in addition to surveying and managing watch list species.	Drew Rayner	West Michigan CISMA	\$299,576
1	Huron Arbor Collaborative Invasive Species Control	This project is intended to establish a CISMA management structure in Washtenaw and Livingston counties. The CISMA will document existing partnerships for preventing, detecting, controlling and eradicating the priority invasive species of Asian Longhorned beetle, Thousand cankers disease, Japanese stiltgrass, Kudzu, Mile-a-minute weed, Oak wilt, Invasive phragmites, Eurasian watermilfoil, Black and pale swallow-wort, Japanese knotweed, European frogbit, Flowering rush, Starry stone-wort, Garlic mustard, European Water Clover, New Zealand mud-snail, and Hydrilla.	Lisa Brush	The Stewardship Network	\$394,744
1	Reinvigorating KISMA: Improved Collaborative Planning and Control of Invasive Species	Despite a strong start with KISMA's formation, high turnover of the coordinator position has weakened KISMA. We seek support to reinvigorate KISMA by reconnecting partners, conducting strategic control efforts of priority invasive species, and organizing new efforts for early detection of watch list species across land ownership boundaries and ecosystems.	Singrid Resh	KISMA/Keweenaw Land Trust	\$271,143
1	CAKE CISMA	CAKE will continue and expand its work on invasive species inventory, education and outreach along with enhancing its cost share program for both the public and private sectors. We will also hold two major workshops per year that will include training for invasive species identification, treatment, management and prevention.	Thomas A. Clement	Antrim Conservation District	\$358,802

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1	CUPCWMA: Halting Invasives at the Hub	Project will: Initiate & continue management of priority terrestrial NNIS such as garlic mustard, knotweed and baby's breath; control roadside invasives via timed mowing program; survey & control NNIS at gravel pits to reduce infestation sources; survey lakes for AIS; conduct outreach to boaters and lakeowners.	Teri Grout	Alger Conservation District	\$364,009
2	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 propose to eliminate the need for the next scheduled lampricide treatment in the upper Cheboygan River during 2020 by using the sterile male release technique. If successful, this would constitute the first step in eradicating sea lamprey from the inland waterway. During stage 2 (2020), we will work with the U.S. Army Corps of Engineers and the State of Michigan to modify the Cheboygan lock to prevent passage of invasive species such as sea lamprey and Asian carps. During stage 3 (2022), we will make an aggressive effort to eradicate sea lamprey from the upper Cheboygan River using integrated control approaches where sterile male release and pheromone application will be key components.	Nicholas Johnson	U.S. Geological Survey	\$122,100
2	Integrated Invasive Aquatic Plant Management. Evaluating, refining, and expanding the management tool box. Phase II.b, biodegradable benthic mats.	In our 2014 MISGP we investigated the impact of herbicides and biodegradable benthic mats on Eurasian watermilfoil, Starry stonewort, and Cabomba. We propose expanding this study to include extended mat monitoring, viability studies of fragments, and seed bank material, and an assessment of impacts on fish and invertebrate communities.	Anna Monfils	Central Michigan University	\$400,000
2	Integrated Invasive Aquatic Plant Management. Evaluating, refining, and expanding the management tool box. Phase II.a, Eurasian watermilfoil.	Through a previous MISGP grant, we have begun to understand the underlying biology that leads to the inevitable regrowth of Eurasian watermilfoil following herbicide treatment using well-established strategies. Using simulation models, we have identified modified strategies that may increase efficacy. Here, we propose to test these approaches in the field.	James N. McNair	Grand Valley State University	\$400,000
3	Detection and Management of Invasive Baby's Breath and Restoration	We will control and eradicate Baby's breath from dune ecosystems and use restoration plantings of native species, evaluate the effectiveness of alternative management and restoration options under a changing climate, and develop remote sensing techniques to detect low intensity invasions, which we will then selectively target for management.	Erika Hersch-Green	Michigan Technological University	\$321,693
3	Projecting Hemlock Woolly Adelgid Distribution and Risk in Michigan	We will provide critical information to support hemlock woolly adelgid (HWA) surveys, assess statewide HWA risk, and establish a framework for prioritizing HWA management. Our science-based approach includes refinement and verification of statewide and fine-scale hemlock models, evaluation of micro- and macro-climatic effects on HWA persistence, and risk mapping to project likely HWA impacts.	Deb McCullough	Michigan State University	\$313,639
3	Japanese Knotweed Eradication along the Macatawa River Greenway	The purpose of this project will be to eradicate Japanese Knotweed along the Macatawa River Greenway and create greater public awareness of its threat to our ecosystem. By doing this the land that is open to the public will be easier to access and not over grown by the large invasive species. By taking out Japanese Knotweed along the riverbanks and within the greenway this will encourage the growth of more native plant species. It will also allow individuals who are traveling along the greenway to be able to learn and participate more in regard to the native Michigan Habitat.	Anna Hendricks	Outdoor Discovery Center Macatawa Greenway	\$150,000
4	Preventing Aquatic Invasive Species Spread via the MiCorps Monitoring Network	In this project, HRWC will utilize the extensive member organizations of the Michigan Clean Water Corps (MiCorps) to provide education and aquatic invasive species (AIS) decontamination kits for use in all volunteer stream monitoring events. HRWC will also identify, educate, and provide AIS decontamination kits for other organizations and businesses that regularly access stream ecosystems such as environmental consultants, academics, and anglers.	Paul Steen	Huron River Watershed Council	\$199,328
4	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 and broader impact.	Jeffrey Ram	Wayne State University	\$121,809
4	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	\$79,300

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5	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 Lakes and Streams Association	\$24,235
5	Iron and Baraga Conservation District CBCW Preventing Transmission from Great to Local Lakes	Iron Baraga Conservation District will work to prevent transmission of aquatic invasives to and from Lake Superior and inland lakes located within the boundaries of Baraga County across State, Federal, Tribal and Local land.	Jennifer Ricker	Iron Baraga Conservation District	\$60,000
5	Benzie, Leelanau and Manistee Counties Aquatic Invasive Species Pathway Project	Benzie, Leelanau, and Manistee Counties are proposing a project to prevent the spread of aquatic invasive species through public awareness and outreach to recreational boaters, anglers, and the public. Boat and wader wash stations manned by educated volunteers will help recreational boaters become compliant with AIS-related laws in Northwest Michigan.	Tad Peacock	Benzie Conservation District	\$248,465
6	An Invasive Species Vulnerability Index for Michigan Coastal Wetlands	We will create an Invasion Vulnerability Index for Michigan coastal wetlands for each aquatic invasive species on the Michigan invasive species watchlist and NOAA's GLANSIS watchlist. Data collected by the GLRI-funded Coastal Wetland Monitoring Program and literature on invasive species' environmental tolerances will form the basis for the analysis.	Gary A. Lamberti	University of Notre Dame	\$60,581
6	Distribution and Environmental Determinants of Didymosphenia geminata in Michigan Waters	This project documents historic and current occurrences of the invasive diatom Didymosphenia geminata (Didymo) in Michigan waters using existing and new samples with microscopic and e-DNA methods. Didymo ecology and management will be advanced using results from complementary field surveys and controlled experiments that enable causal analyses of regulating factors.	R. Jan Stevenson	Michigan State University	\$400,000
6	MISIN-Bridging the gap and closing the loop on invasive species data in Michigan	MISIN provides numerous key features and tools which continue to fill an important state as well as regional need for the large scale documentation of invasive species occurrences and has done this by tapping a relatively underutilized citizenry. MISIN has shown considerable success and this proposal continues to build on this success in order maintain existing infrastructure and to provide key improvements that will have immediate impacts on early detection and rapid response efforts in the state of Michigan by providing key tools for addressing invasive species statewide and within the Great Lakes region.	Amos Ziegler	Michigan State University	\$248,600
6	Epidemiology, biology and population genetics of oak wilt	Execute Michigan specific oak wilt research to refine control and detection measures designed to prevent the spread and improve confidence and speed of detection. Specifically, determine key high-risk periods of beetle activity, fungal spore production and host tree susceptibility. Evaluate molecular methods for identification and assignment to source.	Deb McCullough	Michigan State University	\$396,000
6	Citizen Science and New Zealand Mud Snails: Fly fisherman as Sentinels and Deterrents of Range Expansion	We propose state-wide partnerships that will engage a large number of fly fisherman as 'citizen scientists' in order to detect the presence of New Zealand mud snails (NZMS), and manage range expansion in the streams and rivers where NZMS are most likely to spread.	Scott Tiegs	Oakland University	\$182,328