

## 2018 Michigan Invasive Species Grant Program - Projects Receiving Funding

Project Title	Brief Project Description	Applicant Name	Applicant Organization	Project Counties	Grant Amount
UP Multi-CISMA HWA Survey Project	Three Upper Peninsula CISMAs will collaborate to survey for hemlock woolly adelgid in high-risk and high-priority sites, primarily within 20 miles of the Lake Michigan shore, and will incorporate hemlock woolly adelgid identification and prevention into outreach programs.	Teri Grout	Alger Conservation District	Menominee, Delta, Schoolcraft, Mackinac, Chippewa, Alger, Luce, Dickinson, Marquette	\$ 159,200
MISIN – Bridging the gap and closing the loop on invasive species data in Michigan	The Midwest Invasive Species Information Network will continue efforts that support species observation and treatment data capture and management; effective response to emerging threats; and an increased awareness of invasive species impacts in Michigan.	Amos Ziegler	Michigan State University	Statewide	\$ 224,200
Restoration of Forests Impacted by Invasives using Genetic Resistance	Naturally occurring genetic resistance will be utilized to develop regionally adapted, genetically diverse planting stock for management and restoration of Michigan forests. New methods will enhance production of beech trees resistant to beech bark disease. Disease-resistant ash trees will be used to develop a seed orchard for future restoration plantings.	Jennifer Koch	USFS Northern Research Station	Luce, Mackinac, Chippewa, Antrim, Charlevoix, Leelenau, Manistee, Wexford, Livingston, Kalamazoo, Ingham, Wayne, Oakland, Washtenaw, Macomb, Hillsdale	\$ 379,690
Initiating a classical biocontrol program against invasive swallow-worts in Michigan	This project will initiate the first classical biological control program against invasive black and pale swallow-wort ( <i>Vincetoxicum spp.</i> ) in Michigan releasing a defoliating moth, <i>Hypena opulenta</i> . We will mass rear the moth and conduct experimental releases to test the importance of genetic and demographic factors mediating establishment and population growth.	Marianna Szucs	Michigan State University	Clinton, Eaton, Iona, Ingham, Oakland, Kent, Ottawa, Newaygo, Emmet, Antrim, Grand Traverse	\$ 302,600
Life After Phragmites: Wetland Restoration and Landowner Stewardship	Coalition partners will restore 200 acres of coastal and interior wetlands by functionally eradicating phragmites and managing secondary invasive and watch list species that have infested previously treated sites. The project will utilize a cost share model for sustainable management, and early detection and response and best management practices to respond to new detections.	Darcy Rutkowski	Upper Peninsula Resource Conservation & Development	Upper Peninsula	\$ 191,600

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Assessing habitat characteristics and species assemblages associated with European frog-bit	This project will identify habitat characteristics associated with invasion of European frog-bit ( <i>Hydrocharis morsus-ranae</i> ) in Great Lakes coastal wetlands, assess its effects on the ecosystem, quantify how ecosystems respond to hand-harvesting, and determine how patches of European frog-bit change through time at sites where removal did and did not occur.	Kevin Kapuscinski	Lake Superior State University	Chippewa	\$ 188,200
Effects of <i>Didymosphenia geminata</i> blooms on salmonid production in Michigan waters	Nuisance levels of <i>Didymosphenia</i> ( <i>Didymo</i> ) were first reported in Michigan waters (St. Marys River) in 2015, but research on <i>Didymo</i> 's effects on fish reproduction is lacking. This pilot project will determine if <i>Didymo</i> blooms alter salmonid spawning site selection and fry emergence, and it will inform management techniques.	Ashley Moerke	Lake Superior State University	Main Rapids and Little Rapids of the St. Marys River, the Lake Superior-Huron connecting channel	\$ 40,600
Protecting Pure Michigan through decontamination	This project will target outreach to recreational users, campers and second home owners in the southwest corner of the state to prevent the introduction and spread of invasive species through firewood, recreational gear and vehicles as visitors travel to and through Michigan.	AJ Brucks	Van Buren Conservation District	Berrien, Cass, and Van Buren	\$ 53,700
RIPPLE II: Education about Invasives in Aquarium and Pond Trade	This project will continue and expand the successful RIPPLE outreach campaign to prevent introduction of invasive species via the aquarium and pond trades. Data from research and outreach supported by our initial MISGP grant will drive the development of novel engagement materials and programming and facilitate new and strengthened stakeholder partnerships.	Jo A. Latimore	Michigan State University	Statewide	\$ 128,350
Preventing the spread of invasive species via recreational, land management, forestry and shipping vectors	The Mid-Michigan CISMA will address recreational, private land, forestry and shipping vectors that can spread invasive species. Outreach, trainings and workshops will be provided to landowners, recreation groups and forestry professionals to address oak wilt, Asian longhorned beetle and other watch list species. The CISMA will also treat prioritized populations of invasive species.	Michelle Beloskur	Ingham Conservation District	Eaton, Clinton, Ingham and Ionia	\$ 88,000
Invasive Species Leadership in Northwest Lower Michigan	The Northwest Michigan Invasive Species Network will utilize outreach, training, and collaboration to increase awareness adoption of invasive species prevention actions and implement high-priority invasive species management across its four-county service area.	Katie Grzesiak	Grand Traverse Conservation District	Benzie, Grand Traverse, Leelanau, and Manistee	\$ 180,860

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Northeast Michigan CWMA Expanded Impacts	This project will expand Northeast Michigan Cooperative Weed Management Area's current programming and implement new projects including bringing the latest in forest invasive species knowledge to teachers and students, working with partners to focus on locally-led projects and establishing connections between invasive species control and community efforts.	Jennifer Muladore	Huron Pines	Alcona, Alpena, Arenac, Cheboygan, Crawford, Iosco, Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, and Roscommon Counties	\$ 151,200
Model for Collaborative Watershed Scale Survey and Control	The North Country CISMA will pilot statewide CISMA involvement in enhancing existing lake monitoring programs by building strong collaborations with lake and watershed organizations. Project benefits include increasing CISMA visibility and incorporation of invasive species issues in watershed and lake management program planning and budgets.	Vicki Sawicki	Mecosta Conservation District	Claire, Lake, Mecosta, Missaukee, Osceola, Roscommon, and Wexford	\$ 191,900
TS-CISMA Management of top priority invasive species in the EUP	The Three Shores CISMA will provide prevention, detection, eradication and control of invasive species through outreach, education, and strategic control efforts. A minimum of 350 acres of invasive species will be treated with over 90 miles of shoreline and 700 acres surveyed and monitored in the Eastern Upper Peninsula.	Mike McCarthy	Chippewa Luce Mackinac Conservation District	Chippewa, Luce, Mackinac	\$ 160,000
Managing Invasive Species in West Michigan	Through this project, West Michigan CISMA will serve as a regional resource for invasive species prevention, detection, eradication, and control in West Michigan by addressing vectors and early detection infestations to limit and control invaders and sustaining management of previous treatments to begin the restoration process.	Drew Rayner	Ottawa Conservation District	Allegan, Kent, Montcalm, Muskegon, Newaygo, Oceana, and Ottawa	\$ 199,900
Central Michigan Cooperative Invasive Species Management Area (CISMA) Creation and Implementation	This project will support the establishment of the new Central Michigan CISMA, which will direct collaborative invasive species management within a five-county region through development of a strategic plan, seeking sustainable funding, surveying for invasive species and providing education and outreach to partners and the community.	Tom Lenon	Chippewa Nature Center	Midland, Isabella, Clare, Gladwin, and Gratiot	\$ 60,000
The Essential Western Peninsula Invasive Species Coalition	WePIC will continue efforts in outreach, education prevention, identification and control. This project will use a rapid response crew for new invasions and monitoring and restoration efforts on existing invasive species sites.	Jennifer Ricker	Iron Baraga Conservation District	Iron, Gogebic, and Ontonagon	\$ 60,000

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Northeast MI CWMA 2019 Structure and Function	This project represents the core work of Northeast Michigan CISMA: working with individual landowners through administering cost-share programs, CISMA administration, limited outreach, and priority inventory and treatments.	Jennifer Muladore	Huron Pines	Alcona, Alpena, Arenac (Charity Island and special projects only), Cheboygan, Crawford, Iosco, Montmorency, Ogemaw, Oscoda,	\$ 60,000
Continued Funding to Implement North Country CISMA Strategic Plan	The North Country CISMA will work to prevent and limit the spread of invasive species by promoting decontamination practices among recreationists, and raising awareness of prohibited, restricted, and watch list species. The CISMA will also implement strategic regional surveillance and management programs on public and private land.	Vicki Sawicki	Mecosta Conservation District	Lake, Mason, Mecosta, Missaukee, Osceola, and Wexford	\$ 60,000
Northwest Michigan Invasive Species Network Mission Fulfillment	Northwest Michigan Invasive Species Network will expand efforts to prevent and limit dispersal of high-priority invasive species, with an emphasis on terrestrial plants, advance management of high-priority invasive species on public and private lands and act as a resource for partners and the public.	Katie Grzesiak	Grand Traverse Conservation District	Benzie, Grand Traverse, Leelanau, and Manistee	\$ 60,000
Oakland County CISMA Coordination and Management, 2019	The Oakland County CISMA will coordinate early detection and rapid response for high priority species in southeast Michigan, engage the public in reporting, controlling, and monitoring efforts and coordinate invasive species control among CISMA partners while strengthening the partner network.	Chris Bunch	Six Rivers Land Conservancy	Oakland	\$ 60,000
Three Shores CISMA 2018 Core Functions Initiative	The Three Shores CISMA will continue strategic prevention, detection, eradication, and control efforts, ensure continuity of the CISMA and its partnerships, expand audiences, increase stakeholder engagements and manage program activities consistent with the CISMA's strategic plan.	Mike McCarthy	Chippewa Luce Mackinac Conservation District	Chippewa, Luce, Mackinac	\$ 60,000
SWxSW Corner CISMA Continuation	The CISMA will continue to help residents identify and respond to invasive species issues, work with local organizations, businesses and recreationalists to promote decontamination and prevent spread of invasives, and provide local municipalities and landowners with proper management plans for detected species.	AJ Brucks	Van Buren Conservation District	Berrien, Cass, and Van Buren	\$ 60,000
BCK CISMA Core Functions	This project will support BCK's efforts to provide leadership and coordination for the tri-county project area, including reducing invasive species spread through the implementation of best management practices, high-priority prevention, detection, and control activities and sharing invasive species information with new audiences.	Sarah Nelson	Barry Conservation District	Barry, Calhoun, Kalamazoo	\$ 60,000

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Genesee, Lapeer, Shiawassee, and Livingston Cisma Structure and Community Outreach	This project will establish the structure for on-going communication, cooperation, and collaboration needed to address invasive species issues and concerns in the four-county region. Core functions of the GILLS Cisma will include supporting collaborative invasive species management, monitoring sites previously treated, mapping new sites and providing invasive species education, outreach and technical support.	Angela Warren	Genesee Conservation District	Genesee, Lapeer, Shiawassee, and Livingston	\$ 60,000
Core Functions for the Lake to Lake Cisma	The Lake to Lake Cisma will continue to implement core elements of its strategic plan and Cisma goals, including management of cooperative treatments, facilitating communication among partners and landowners, and leading educational outreach efforts.	Jami Cawley	Marquette County Conservation District	Alger, Delta, Marquette, and Schoolcraft	\$ 60,000
CAKE Cisma Core Function	CAKE Cisma will work to protect regional natural resources, economies and human health by formalizing the collaborative Cisma organizational structure, maintaining public engagement, supporting partner capacities and implementing and sustaining management efforts.	Wendy Warren	Antrim Conservation District	Charlevoix, Antrim, Kalkaska and Emmet	\$ 60,000
Improving Lake St. Clair Cisma Coordination	This project continues the process of developing an effective partnership to address invasive species management in the highly populated region of the critical Lake St. Clair watershed.	Chris Bunch	Six Rivers Regional Land Conservancy	Macomb and St. Clair	\$ 60,000
Maintaining Structure and Function of the Mid-Michigan Cisma	The Mid-Michigan Cisma provides a collaborative framework for managing aquatic and terrestrial invasive species. This project will maintain Mid-Michigan Cisma structure and function through staff support, education/outreach, and treatments of black swallow-wort - a regional priority species.	Michelle Beloskur	Ingham Conservation District	Clinton, Eaton, Ingham, and Ionia	\$ 60,000
Base Funding to Keep the WMCisma Moving Forward	The West Michigan Cisma will work with the steering committee and partners to maintain and improve sites within the region through invasive species management and outreach and other prevention practices with the goal of protecting recreational opportunities and ecosystem services in the region.	Drew Rayner	Ottawa Conservation District	Allegan, Kent, Montcalm, Muskegon, Newaygo, Oceana, and Ottawa	\$ 60,000