Year	Subd.		Organization U of MN - MAISRC	First Name	Last Name	Funding Amount	
2013	06a			Nicholas	Phelps	\$ 8,700,000	
2013	06a-02	AIS Research Center Sub-Project 02: Delaying the Spread of AIS: Monitoring the Abundance and Distribution of AIS Using New Molecular Tools so Techniques to Delay Their Spread can be Implemented	U of MN - MAISRC	Michael	Sadowsky		
2013	06a-03	AIS Research Center Sub-Project 03: Reducig and Controlling AIS: Developing Effective Tools to Attract and Locate Aggregations of	U of MN - MAISRC	Peter	Sorensen		
2013	06a-04	AIS Research Center Sub-Project 04: Reducing and Controlling AIS: Developing Effective Bio-Control Techniques to Control Common and/or Asian Carp	U of MN - MAISRC	Przemyslaw	Bajer		
2013	06a-07	AIS Research Center Sub-Project 07: Developing Eradication Tools: Exploring whether Native Pathogens can be used to Control AIS	U of MN - MAISRC	Nicholas	Phelps		
2013	06a-08	AIS Research Center Sub-Project 08: Implementing Findings: An Applied Ecologist - Extension Specialist Position and Program	U of MN - MAISRC	Daniel	Larkin		
2013	06a09	AIS Research Center Sub-Project 09: Implementing Findings: ImplementinNew Tools for Zebra Mussel Control	U of MN - MAISRC	Michael	McCartney		
2013	06a-10	AIS Research Center Sub-Project 10: Implementing Findings: An Extension Educator or Outreach Position	U of MN - MAISRC	Daniel	Larkin		
2013	06a-12	AIS Research Center Sub-Project 12: Characterizing long-term spiny water flea ecosystem impacts using paleolimnology	U of MN - MAISRC	Donn	Branstrator		
2013	06a-14	AIS Research Center Sub-Project 14: Cost-effective Monitoring of Lakes Newly Infested with Zebra mussels	U of MN - MAISRC	John	Fieberg		
2013	06a-16	AIS Research Center Sub-Project 16: Sustaining Walleye Populations: Assessing Impacts of AIS	U of MN - MAISRC	Gretchen	Hansen		
2013	06a-17	AIS Research Center Sub-Project 17: Building Scientific and Management Capacity to Respond to Invasive Phragmites	U of MN - MAISRC	Daniel	Larkin		
2013	06a-18	AIS Research Center Sub-Project 18: Eurasian and Hybrid Watermilfoil Genotype Distribution in Minnesota	U of MN - MAISRC	Raymond	Newman		

Year	Subd.	Title	Organization	First Name	Last Name	Funding Amount	
2013	06a-19	AIS Research Center Sub-Project 19: Decision-Making Tool for Optimal Management of AIS	U of MN - MAISRC	Nicholas	Phelps		
2013	06a-21	AIS Research Center Sub-Project 21: Early Detection of Zebra Mussels Using Multibean Sonar	U of MN - MAISRC	Jessica	Kozarek		
2013	06a-26	AIS Research Center Sub-Project 26: Updating an invasive and native fish passage model for locks and dams	U of MN - MAISRC	Anvar	Gilmanov		
2014	06a	Enhancing Pollinator Landscapes	U of MN	Marla	Spivak	\$	864,000
2014	Sec 8 - 01	MITPPC #1: Novel Diagnostic Tools for Rapid and Early Detection of Oak Wilt	U of MN - MITTPC	Abdennour	Abbas	\$	271,911
2014	Sec 8 - 02	MITPPC #2: Early Detection, Forecasting and Management of Brown Marmorated Stinkbug (Halymorpha halys)	U of MN - MITTPC	William	Hutchison	\$	616,081
2014	Sec 8 - 03	MITPPC #3: Climate Change and Range Expansion of Invasive Plants	U of MN - MITTPC	David	Moeller	\$	206,335
2014	Sec 8 - 04	MITPPC #4: Cover It Up! Using Plants to Control Buckthorn	U of MN - MITTPC	Peter	Reich	\$	327,000
2015	03h	Reintroduction and Interpretation of Bison in Minnesota State Parks	MN DNR	Edward	Quinn	\$	600,000
2015	03m	Turtle Population Dynamics in an Urban Lake	St. Thomas University	Jennifer	McGuire	\$	250,000
2015	04a	Understanding Water Scarcity, Threats, and Values to Improve Management	U of MN - Humphrey School of Public Affairs	Bonnie	Keeler	\$	234,000
2015	04g	Using Hydroacoustics to Monitor Sediment in Minnesota Rivers	US Geological Survey	Jeffrey	Ziegeweid	\$	455,000
2015	04h	Assessment of Irrigation Efficiencies in Benton County	Benton Soil and Water Conservation District	Gerry	Maciej	\$	431,000
2015	06b	Emerald Ash Borer Ecological and Hydrological Impacts – Phase II	U of MN	Anthony	D'Amato	\$	400,000
2015	06c	Biological Control of Canada Thistle	U of MN	Roger	Becker	\$	300,000

Year	Subd. 06d	Title Preventing a New Disease of Pines in Minnesota	Organization U of MN	First Name Robert	Last Name Blanchette	Funding Amount	
2015						\$	371,000
2015	07a	Renewable and Sustainable Fertilizers Produced Locally	U of MN	Alon	McCormick	\$	1,000,000
2016	03a	Data-Driven Pollinator Conservation Strategies	U of MN	Daniel	Cariveau	\$	520,000
2016	03c1	Prairie Butterfly Conservation, Research, and Breeding - Phase II	Minnesota Zoo	Erik	Runquist	\$	421,000
2016	03c2	Prairie Butterfly Conservation, Research, and Breeding - Phase II	MN DNR	Jessica	Petersen	\$	329,000
2016	03f	Assessment Tool for Understanding Vegetation Growth Impacts on Groundwater Recharge	U of MN	Gene-Hua (Crystal)	Ng	\$	212,000
2016	03j	Improving Brook Trout Stream Habitat through Beaver Management	Minnesota State University - Bemidji	Andrew	Hafs	\$	225,000
2016	031	Restoration of Elk to Northeastern Minnesota	U of MN	James	Forester	\$	300,000
2016	03m	Game and Nongame Bird Pesticide Exposure	U of MN - Raptor Center	Julia	Ponder	\$	349,000
2016	03n	Evaluating Insecticide Exposure Risk for Grassland Wildlife on Public Lands	MN DNR	Nicole	Davros	\$	250,000
2016	03p	Evaluation of Tree Retention Guidelines Pertaining to Wildlife	U of MN - Duluth NRRI	Gerald	Niemi	\$	232,000
2016	03q	Determine Impacts on Wildlife From Emerald Ash Borer Infection of Black Ash Forests	U of MN - Duluth NRRI	Gerald	Niemi	\$	334,000
2016	04a	Tracking and Preventing Harmful Algal Blooms	Science Museum of Minnesota	Daniel	Engstrom	\$	500,000
2016	04b	Assessing the Increasing Harmful Algal Blooms in Minnesota Lakes	U of MN - St. Anthony Falls Laboratory	Miki	Hondzo	\$	270,000
2016	04d	Assessing Techniques for Eliminating Contaminants to Protect Native Fish and Mussels	St. Thomas University	Kristine	Wammer	\$	287,000

Year	Subd. 04e		Organization U of MN	First Name William	Last Name Arnold	Funding Amount	
2016						\$	400,000
2016	04f	Bacterial Assessment of Groundwater Supplies Used for Drinking Water	U of MN	Raymond	Hozalski	\$	299,000
2016	04h	Protection of State's Confined Drinking Water Aquifers - Phase II	US Geological Survey	Jared	Trost	\$	433,000
2016	04i	Assessment of Surface Water Quality With Satellite Sensors	U of MN	Jacques	Finlay	\$	345,000
2016	04j	Development of Innovative Sensor Technologies for Water Monitoring	U of MN	Tianhong	Cui	\$	509,000
2016	04k	Wastewater Treatment Process Improvements	U of MN	Timothy	LaPara	\$	398,000
2016	041	Membrane-Based Process for Decentralized Drinking Water Production	U of MN	Santiago	Romero-Vargas Castrillón	\$	199,000
2016	04n	Understanding Impacts of Salt Usage on Minnesota Lakes, Rivers, and Groundwater	U of MN	John	Gulliver	\$	497,000
2016	040	Microbes for Salt and Metal Removal	U of MN	Daniel	Bond	\$	596,000
2016	04p	Engineered Biofilter for Sulfate and Metal Removal from Mine Waters	U of MN	Sebastian	Behrens	\$	440,000
2016	04q	Developing Biosponge Technology for Removal of Nitrates from Minnesota Waters	U of MN	Lawrence	Wackett	\$	198,000
2016	04u	Assessing Effectiveness of Wetland Restorations for Improved Water Quality	U of MN	Jacques	Finlay	\$	420,000
2016	06b	Developing Membrane Filtration System to Treat Lake Superior Ballast Water	U of MN	Santiago	Romero-Vargas Castrillón	\$	151,000
2016	06d	Biological Control of White Nose Syndrome in Bats - Phase II	U of MN	Christine	Salomon	\$	452,000
2016	06f	Dutch Elm Disease Resistance - Phase II	U of MN	Robert	Blanchette	\$	200,000

Year	Subd. 07b		Organization U of MN	First Name	Last Name Kortshagen	Funding Amount	
2016						\$	400,000
2016	07c	Hydrogen Fuel from Wind-Produced Renewable Ammonia	U of MN - WCROC	William	Northrop	\$	250,000
2016	07d	Utilization of Dairy Farm Wastewater for Sustainable Production	U of MN - WCROC	Bradley	Heins	\$	475,000
2016	08b	Measuring Pollen and Seed Dispersal for Prairie Fragment Connectivity	U of MN	Lauren	Sullivan	\$	556,000
2016	08c	Establishment of Permanent Habitat Strips Within Row Crops	Science Museum of Minnesota	Shawn	Schottler	\$	179,000
2016	08e	Controlling Reed Canary Grass to Regenerate Floodplain Forest	Minnesota State Office of National Audubon Society	Luis	Ramirez	\$	218,000
2017	04a	Assessment of Household Chemicals and Herbicides in Rivers and Lakes	U of MN	William	Arnold	\$	236,000
2017	04g	Identification of Chemicals of Emerging Concern in Minnesota Fish	Grand Portage Band of Lake Superior Chippewa	Seth	Moore	\$	400,000
2017	06d	Adapting Stream Barriers to Remove Common Carp	U of MN - MAISRC	Przemyslaw	Bajer	\$	301,000
2017	08b	Promoting Conservation Biocontrol of Beneficial Insects	U of MN	Vera	Krischik	\$	400,000
2018	03f	Develop a System to Assess Wildlife Health Threats in Minnesota	U of MN	Kimberly	VanderWaal	\$	280,000