

**Environment and Natural Resources Trust Fund
Final Reports due June 30, 2015**

Year	Subd.	Title	Summary	Organization	Project Manager	Funding Amount
2010	05d	Agricultural and Urban Runoff Water Quality Treatment Analysis	The project will improve water quality, enhance ecological value, and provide a model/tool for agricultural drainage improvements. The results will be beneficial to producers and the environment on future projects.	Blue Earth County Drainage Authority	Craig Austinson	\$485,000
2010	06b	Ecological and Hydrological Impacts of Emerald Ash Borer	The project assesses impacts of emerald ash borer on Minnesota's black ash swamps. Results will quantify impacts on native forest vegetation, invasive species spread, and hydrology.	U of MN	Anthony D'Amato	\$636,000
2011	03b2	County Geologic Atlases for Sustainable Water Management	Initiate seven County Geologic Atlases Part B for groundwater protection, wise use, and long-term resource management: Anoka, Blue Earth, Clay, Nicollet, Renville, Sibley, and Wright counties.	MN DNR	Jan Falteisek	\$600,000
2011	03d	Updating National Wetland Inventory for Minnesota - Phase III	This is the third phase of a multi-phase project to update and enhance the National Wetland Inventory for Minnesota. This phase will update wetland maps for southern Minnesota.	MN DNR	Steve Kloiber	\$1,500,000
2011	03f	Determining Causes of Mortality in Moose Populations	Determining why Minnesota's moose are dying, and if nutritional stress is playing a fundamental role, will provide guidance for specific management actions to prevent further population decline.	MN DNR	Michelle Carstensen	\$600,000
2011	03j	Information System for Wildlife and Aquatic Management Areas	Develop a DNR WMA/AMA Enterprise Information System to facilitate protection, enhancement and restoration of wildlife and fish habitat and facilities, and facilitate work planning, budgeting and reporting.	MN DNR	Steve Benson	\$500,000
2011	04b	State Parks and Trails Land Acquisition	Acquire land from willing sellers within the statutory boundaries of State Parks, State Recreation Areas and authorized State Trails. State land acquisitions provide ecological and recreational benefits to the public.	MN DNR	Jennifer Chrisite	\$3,000,000
2011	04i	Metropolitan Conservation Corridors (MeCC) - Phase VI	Protect and restore a connected network of critical habitat in the greater metropolitan area by acquiring fee title and conservation easements on more than 650 acres and restoring and enhancing more than 750 acres.	Minnesota Land Trust	Wayne Ostlie	\$3,475,000
2011	04i.1/1.1	MeCC VI - Coord., Mapping & Outreach & Mapping & Database Work (1.1/1.2)	Protect and restore a connected network of critical habitat in the greater metropolitan area by acquiring fee title and conservation easements on more than 650 acres and restoring and enhancing more than 750 acres.	Minnesota Land Trust	Wayne Ostlie	\$40,000
2011	04i.2.3	MeCC VI - Restoring Our Lands and Waters (2.3)	We will restore important natural communities through continued engagement in the Anoka Sandplain, St. Croix Healthy Waters Campaign, collar counties, and urban core; and Wild & Scenic Rivers.	Great River Greening	Wiley Buck	\$400,000
2011	04i.2.6/3.3	MeCC VI - Priority Expansion and Restoration MN Valley NW Refuge (2.6/3.3)	Acquire 125 priority acres to expand the MN Valley National Wildlife Refuge and another 125 acres with other non-state funds. Continue restoring savanna and prairie on 405 Refuge acres.	Minnesota Valley National Wildlife Refuge Trust Inc	Deborah Loon	\$600,000

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2011	04i2.7/3.	MeCC VI - Dakota County Riparian and Lakeshore Protection (2.7 / 3.7)	Acquire permanent, riparian easements and develop natural resource management plans on 310 acres within the Vermillion and Cannon river systems and along Marcott Lake and Lake Marion in Dakota County.	Dakota County	Lisa West	\$1,035,000
2011	04i3.2	MeCC VI - Protect Significant Habitat by Acquiring Cons. Easements (3.2)	To protect 150 acres of critical habitat in the greater metropolitan area by securing permanent conservation easements and dedicating funds for the perpetual monitoring, management, and enforcement of those easements.	Minnesota Land Trust	Wayne Ostlie	\$400,000
2011	04q	Restoration Strategies for Ditched Peatland and Scientific and Natural Areas	Evaluate hydrology and habitat of the Winter Road Lake peatland watershed protection area to determine the effects of ditch abandonment and potential restoration on this and other patterned peatlands.	MN DNR	Michele Walker	\$200,000
2011	06a	Improved Detection of Harmful Microbes in Ballast Water	This project will identify the potentially harmful bacteria transported to Lake Superior in ships ballast water that can cause ecological and economic damage and threaten human and aquatic animal health.	U of MN - Duluth	Randall Hicks	\$250,000
2011	06c	Evaluation of Switchgrass as Biofuel Crop	Determine invasion risk of selectively bred native grasses for biofuel production. Develop strategies to minimize invasion potential and impacts on biodiversity. Evaluate trade-offs between biofuel production and invasion risk.	Central Lakes College	Jim Eckberg	\$120,000
2011	08b	Minnesota Junior Master Naturalist Program	Pairs trained adult Master Naturalist Volunteers with staff in after-school programs throughout Minnesota to offer outdoor, science-based, activities for youth to learn about the ecology of their schoolyards and neighborhoods.	U of MN	Robert Blair	\$365,000
2013	03a	Minnesota Biological Survey	Minnesota Biological Survey systematically collects, interprets and delivers data on the distribution and ecology of plants, animals, native plant communities and functional landscapes to guide and monitor conservation actions.	MN DNR	Carmen Converse	\$2,650,000
2013	03e	Conservation Easement Stewardship Program - Phase III	Acceleration of DNRs ongoing work to bring existing conservation easements up to minimum standards through monitoring, baseline data collection and baseline report preparation; development of technology to enhance monitoring efficiency.	MN DNR	Donald Kilberg	\$200,000
2013	03g	Improved Rapid Forest Ecosystem and Habitat Inventory	We will evaluate a new approach to forest inventory, based on imputation of statewide Forest Inventory and Analysis (FIA) data, to speed updates, improve usability, and dramatically reduce costs.	U of MN	Alan Ek	\$262,000
2005	06m	Mesabi Trail	Development of six segments of the Mesabi State Trail totaling 32 miles. Included all aspects of trail development and construction of a ten-foot wide bituminous surfaced trail. Funding included funds from Federal, other State & Local sources.	St. Louis & Lake Counties Regional Railroad Authority	Bob Manzoline	\$1,000,000
2011	03b1	County Geologic Atlases for Sustainable Water Management	Geologic atlases provide information essential to sustainable management of ground water resources. They define aquifer boundaries and the connection of aquifers to the land surface and surface water resources.	U of MN - MN Geological Survey	Dale Setterholm	\$1,200,000

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2011	04i3.1	MeCC VI - TPL's Critical Land Protection Program (3.1)	Strategic acquisition of an estimated 30 acres of high quality habitat and approximately 0.3 miles of shoreline in scientifically evaluated wildlife corridors within the greater Twin Cities Metropolitan Area.	The Trust for Public Land	Robert McGillivray	\$500,000
2011	09a	Minnesota Conservation Apprentice Academy	The Conservation Apprenticeship Program will train and mentor Minnesotas future conservationists by providing apprenticeship service to SWCDs during construction season and increase quality on-the-ground conservation projects.	Board of Water and Soil Resources	Jenny Gieseke	\$200,000
2013	04k	Frogtown Farm and Park Acquisition	Acquisition of land for Frogtown Farm and Park, a much-needed urban green space for demonstration farming, recreation areas, and a nature sanctuary that preserves a grove of mature trees.	The Trust for Public Land	Robert McGillivray	\$1,500,000
2013	06a-11	AIS Research Center Sub-Project 11: Developing Eradication Tools for Invasive Carp Species	An AIS research center at the University of Minnesota will develop powerful new techniques to control AIS, including Asian carps and zebra mussels, while assisting government groups implement extant techniques.	U of MN	David Andow	\$233,313
2013	07a	Minnesota Conservation Apprentice Academy	The apprentice program transfers knowledge from experienced professionals to the next generation of conservation managers. Real-world experience gained with SWCDs during their busy construction season is experience textbooks cannot convey.	Board of Water and Soil Resources	Jenny Gieseke	\$186,000
2013	08b	Contract Agreement Reimbursement	This appropriation will be used to provide continued contract management services to pass-through recipients of Environment and Natural Resource Trust Fund dollars appropriated to the commissioner of natural resources.	MN DNR	Amanda Graeber	\$135,000