

Environment and Natural Resources Trust Fund (ENRTF) Appropriations Ending June 30, 2017

End Date	Year	Subd.	Title	Organization	Dollars Appropriated	Project Manager	
						First Name	Last Name
6/30/2017	2011	04d	Regional Park, Trail, and Connections Acquisition and Development Grants	MN DNR	\$ 2,000,000	Laura	Preus
6/30/2017	2013	03c	County Geologic Atlases - Part B	MN DNR	\$ 1,200,000	Jim	Berg
6/30/2017	2013	04d3.3	MeCC VII - 3.3: Priority Expansion of Minnesota Valley National Wildlife Refuge	Minnesota Valley National Wildlife Refuge Trust Inc	\$ 400,000	Deborah	Loon
6/30/2017	2013	04i	Conservation Grazing to Improve Wildlife Habitat on Wildlife Management Areas	MN DNR	\$ 600,000	Greg	Hoch
6/30/2017	2013	05b	Assessment of Natural Copper-Nickel Bedrocks on Water Quality	U of MN - NRRI	\$ 585,000	Stephen	Monson Geerts
6/30/2017	2013	05e	Measuring Hydrologic Benefits from Glacial Ridge Habitat Restoration	Red Lake Watershed District	\$ 400,000	Myron	Jesme
6/30/2017	2013	05f	Evaluation of Lake Superior Water Quality Health	U of MN - Duluth	\$ 600,000	Erik	Brown
6/30/2017	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 - AIS Center	\$ 303,217	Michael	Sadowsky
6/30/2017	2013	06a-05	AIS Research Center Sub-Project 05: Reducing and Controlling AIS: Developing and Evaluating New Techniques to Selectively Control Invasive Plants	U of MN - AIS Center	\$ 194,415	Ray	Newman
6/30/2017	2013	06a-06	AIS Research Center Sub-Project 06: Determining Heterosporosis Threats to Inform Prevention, Management, and Controls	U of MN - AIS Center	\$ 127,650	Paul	Venturelli

Environment and Natural Resources Trust Fund (ENRTF) Appropriations Ending June 30, 2017

End Date	Year	Subd.	Title	Organization	Dollars Appropriated	Project Manager	
						First Name	Last Name
6/30/2017	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 - AIS Center	\$ 206,754	Nicholas	Phelps
6/30/2017	2013	06cA	Improving Emerald Ash Borer Detection Efficacy for Control	Minnesota Department of Agriculture	\$ 240,000	Mark	Abrahamson
6/30/2017	2013	06cB	Improving Emerald Ash Borer Detection Efficacy for Control	U of MN	\$ 360,000	Brian	Aukema
6/30/2017	2013	06g	Controlling Terrestrial Invasive Plants with Grazing Animals	Hiawatha Valley Resource Conservation & Development,	\$ 52,000	John	Beckwith
6/30/2017	2014	03a	Solar Driven Destruction of Pesticides, Pharmaceuticals, Contaminants in Water	U of MN	\$ 291,000	William	Arnold
6/30/2017	2014	03b	Methods to Protect Beneficial Bacteria from Contaminants to Preserve Water Quality	U of MN	\$ 279,000	Paige	Novak
6/30/2017	2014	03c	Triclosan Impacts on Wastewater Treatment	U of MN	\$ 380,000	Timothy	LaPara
6/30/2017	2014	03e	Antibiotics and Antibiotic Resistance Genes in Minnesota Lakes	U of MN	\$ 300,000	William	Arnold
6/30/2017	2014	03f	Impacts of Estrogen Exposure on Minnesota's Shallow Lake Wildlife	St. Thomas University	\$ 136,000	Kurt	Illig
6/30/2017	2014	03g	Watershed-Scale Monitoring of Long-Term Best Management Practice Effectiveness	Science Museum of Minnesota	\$ 900,000	Daniel	Engstrom
6/30/2017	2014	03h	Protection of State's Confined Drinking Water Aquifers	US Geological Survey	\$ 394,000	Jared	Trost
6/30/2017	2014	03i	Watershed Water Budgets for Managing Minnesota's Groundwater	US Geological Survey	\$ 129,000	Erik	Smith
6/30/2017	2014	03j	Identifying Causes of Exceptionally High Mercury in Fish	Minnesota Pollution Control Agency	\$ 743,000	Bruce	Monson
6/30/2017	2014	03k	Reducing Lake Quality Impairments through Citizen Action	Freshwater Society	\$ 59,000	Jen	Kader

Environment and Natural Resources Trust Fund (ENRTF) Appropriations Ending June 30, 2017

End Date	Year	Subd.	Title	Organization	Dollars Appropriated	Project Manager	
						First Name	Last Name
6/30/2017	2014	03l	Rainwater Reuse and Valuation Investigation	U of MN	\$ 300,000	Scott	Alexander
6/30/2017	2014	03m	Measuring Hydrologic Benefits from Glacial Ridge Habitat Restoration	Red Lake Watershed District	\$ 168,000	Myron	Jesme
6/30/2017	2014	04a	Blocking Bighead, Silver, and Other Invasive Carp by Optimizing Lock and Dams	U of MN	\$ 854,000	Peter	Sorensen
6/30/2017	2014	04b	Bioacoustics to Detect, Deter and Eliminate Silver Carp	U of MN - Duluth	\$ 262,000	Allen	Mensingher
6/30/2017	2014	04d	Biosurveillance and Biocontrol of Emerald Ash Borer - Phase 2	Minnesota Department of Agriculture	\$ 447,000	Monika	Chandler
6/30/2017	2014	04e1	Mountain Pine Beetle Invasive Threat to Minnesota's Pines	U of MN	\$ 175,000	Brian	Aukema
6/30/2017	2014	04e2	Mountain Pine Beetle Invasive Threat to Minnesota's Pines	Minnesota Department of Agriculture	\$ 75,000	Mark	Abrahamson
6/30/2017	2014	05a	Update Statewide Land Cover Use Map	U of MN	\$ 300,000	Joseph	Knight
6/30/2017	2014	05b	State Spring Inventory for Resource Management and Protection	MN DNR	\$ 200,000	Jim	Berg
6/30/2017	2014	05c	Drainage Records Modernization and Statewide Geographic Information System	Board of Water and Soil Resources	\$ 230,000	Tim	Gillette
6/30/2017	2014	05e	Assessing Species Vulnerability to Climate Change Using Phenology	U of MN	\$ 175,000	Rebecca	Montgomery
6/30/2017	2014	05f	Minnesota Breeding Bird Atlas - Final Phase	Audubon Minnesota	\$ 300,000	Lee	Pfannmuller
6/30/2017	2014	05h	Sandhill Crane Populations and Management in Minnesota	U of MN	\$ 250,000	David	Andersen
6/30/2017	2014	05j1	Imperiled Prairie Butterfly Conservation, Research and Breeding Program	Minnesota Zoological Garden	\$ 380,000	Erik	Runquist

Environment and Natural Resources Trust Fund (ENRTF) Appropriations Ending June 30, 2017

End Date	Year	Subd.	Title	Organization	Dollars Appropriated	Project Manager	
						First Name	Last Name
6/30/2017	2014	05j2	Imperiled Prairie Butterfly Conservation, Research and Breeding Program	MN DNR	\$ 245,000	Robert	Dana
6/30/2017	2014	05l	Impacts of Forest Quality on Declining Minnesota Moose	U of MN	\$ 300,000	James	Forester
6/30/2017	2014	05m	Moose Decline and Air Temperatures in Northeastern Minnesota	MN DNR	\$ 600,000	Mike	Larson
6/30/2017	2014	05n	Expansion of Minnesota Wildflowers Online Botanical Reference	MN Wildflowers Information	\$ 150,000	Katy	Chayka
6/30/2017	2014	06b	Understanding Systemic Insecticides as Protection Strategy for Bees	U of MN	\$ 326,000	Vera	Krischik
6/30/2017	2014	06c	Prairie Sustainability through Seed Storage, Beneficial Microbes, and Adaptation	U of MN	\$ 600,000	Ruth	Shaw
6/30/2017	2014	06d	Northeast Minnesota White Cedar Restoration - Phase 2	Board of Water and Soil Resources	\$ 335,000	Dale	Krystosek
6/30/2017	2014	06e	Southeast Minnesota Watershed Protection Plan	The Nature Conservancy	\$ 200,000	Richard	Biske
6/30/2017	2014	06f	Upland and Shoreline Restoration in Greater Metropolitan Area	Great River Greening	\$ 300,000	Wiley	Buck
6/30/2017	2014	06g	Prairie, Forest, and Savanna Restoration in Greater Metropolitan Area	Friends of the Mississippi River	\$ 200,000	Tom	Lewanski
6/30/2017	2014	07a	Scientific and Natural Area Acquisition, Restoration, Improvement and Citizen Engagement	MN DNR	\$ 2,540,000	Peggy	Booth
6/30/2017	2014	07b	Metropolitan Regional Park System Acquisition	Metropolitan Council	\$ 1,500,000	Deborah	Streets Jensen
6/30/2017	2014	07c	Mesabi Trail Development - Soudan to Ely Segment	St. Louis & Lake Counties Regional Railroad Authority	\$ 1,000,000	Bob	Manzoline
6/30/2017	2014	07f	Minnesota River Water Trailhead and Landing in Morton	MN Valley History Learning Ctr	\$ 198,000	Ted	Suss

Environment and Natural Resources Trust Fund (ENRTF) Appropriations Ending June 30, 2017

End Date	Year	Subd.	Title	Organization	Dollars Appropriated	Project Manager	
						First Name	Last Name
6/30/2017	2014	08a	Solar Cell Materials from Sulfur and Common Metals	U of MN	\$ 494,000	Lee	Penn
6/30/2017	2014	08b	Innovative Groundwater-Enhanced Geothermal Heat Pump Study	U of MN	\$ 196,000	Martin	Saar
6/30/2017	2014	08c	Demonstrating Innovative Technologies to Fully Utilize Wastewater Resources	U of MN	\$ 1,000,000	Roger	Ruan
6/30/2017	2014	08d	Transitioning Minnesota Farms to Local Energy	U of MN	\$ 500,000	Mike	Reese
6/30/2017	2014	08e	Life Cycle Energy of Renewably Produced Nitrogen Fertilizers	U of MN	\$ 250,000	Joel	Tallaksen
6/30/2017	2014	08f	Clean Water and Renewable Energy from Beet Processing Wastewater and Manure	U of MN	\$ 400,000	Shaobo	Deng
6/30/2017	2014	08g	Next Generation Large-Scale Septic Tank Systems	U of MN	\$ 258,000	Bo	Hu
6/30/2017	2014	09a	Minnesota Conservation Apprenticeship Academy	Board of Water and Soil Resources	\$ 392,000	Jenny	Gieseke
6/30/2017	2014	09c	Urban Environmental Education Engaging Students in Local Resources	Wilderness Inquiry	\$ 1,093,000	Meg	Krueger
6/30/2017	2014	09d1	Diversifying Involvement in the Natural Resources Community	MN DNR	\$ 416,000	Gina	Bonsignore
6/30/2017	2014	09d2	Diversifying Involvement in the Natural Resources Community	U of MN	\$ 84,000	Ray	Newman
6/30/2017	2014	09g	Minnesota Pollinator Partnership	Pheasants Forever Inc	\$ 100,000	Drew	Larsen
6/30/2017	2015	03b	County Geologic Atlases - Part B	MN DNR	\$ 2,000,000	Jim	Berg
6/30/2017	2015	03c	Minnesota Biological Survey	MN DNR	\$ 2,450,000	Bruce	Carlson
6/30/2017	2015	03j	Assessing Contaminants in Minnesota Loons and Pelicans - Phase III	MN DNR	\$ 141,000	Carrol	Henderson
6/30/2017	2015	03n	Digitization of Historic Gullion Ruffed Grouse Research	Central Lakes College	\$ 75,000	Kent	Montgomery

Environment and Natural Resources Trust Fund (ENRTF) Appropriations Ending June 30, 2017

End Date	Year	Subd.	Title	Organization	Dollars Appropriated	Project Manager	
						First Name	Last Name
6/30/2017	2015	05a	Trap Shooting Sports Facility Grants	MN DNR	\$ 132,000	Chuck	Niska
6/30/2017	2015	05d	Students Engaging Local Watersheds Using Mobile Technologies	Twin Cities Public Television	\$ 147,000	Joan	Freese
6/30/2017	2015	05e	Mississippi River Water Journey Camps	U of MN	\$ 25,000	Beth	Mercer-Taylor
6/30/2017	2015	07b	Reducing Emissions from Open Burning through Biomass Gasification	U of MN - Morris	\$ 268,000	William	Northrop
6/30/2017	2015	08k	Redwood and Renville Counties Outdoor Recreation and Conservation Master Plan	Redwood County and Renville County	\$ 75,000	Scott	Refsland
6/30/2017	2015	09h	Metro Conservation Corridors Phase VIII - Wildlife Management Area Acquisition	MN DNR	\$ 400,000	Patrick	Rivers
6/30/2017	2015	09k	Conservation Easement Assessment and Valuation System Development	U of MN	\$ 250,000	Bonnie	Keeler
6/30/2017	2015	11a	Legislative-Citizen Commission on Minnesota Resources (LCCMR)	Legislative-Citizen Commission on Minnesota Resources	\$ 1,072,000	Susan	Thornton
6/30/2017	2015	11b	Contract Agreement Reimbursement	MN DNR	\$ 135,000	Katherine	Sherman-Hoehn