

M.L. 2015 Projects

MN Laws 2015, Chapter 76, Section 2 (beginning July 1, 2015)

For the FY 2016 and FY 2017 biennium (July 1, 2015 - June 30, 2017), approximately \$46.3 million is available each year (total = \$92,674,000) for funding from the Environment and Natural Resources Trust Fund. In response to the 2015 Request for Proposal (RFP) 152 proposals requesting a total of approximately \$126.3 million were received. Through a competitive, multi-step process, 76 of these proposals, requesting a total of \$74.9 million, were chosen to present to the LCCMR and 65 of those proposals were selected to receive a recommendation for funding to the 2015 MN Legislature. The Legislature adopted 63 of these project recommendations and replaced two of them with two new project appropriations on 05/18/15. The project appropriations adopted by the Legislature were signed into law by the Governor on 05/22/15.

LINKS TO:

- [Print-ready PDF list](#) of the M.L. 2015 projects adopted by the Legislature and signed by the Governor.
- [Summary](#) of appropriations and expected outcomes
- Additional information on LCCMR's [M.L. 2015 proposal and funding process](#)

NOTE: For all projects, [contact us](#) to obtain the most up-to-date work programs for current projects (project updates are required twice each year) or the final reports of completed projects.

When available, we have provided links to web sites related to the project. The sites linked to this page are not created, maintained, or endorsed by the LCCMR office or the Minnesota Legislature.

Subd. 03 Foundational Natural Resource Data and Information

[03a](#) County Geologic Atlas - Part A

[03b](#) County Geologic Atlas - Part B

[03c](#) Minnesota Biological Survey

[03d](#) Minnesota Biodiversity Atlas for Enhanced Natural Resource Management

[03e](#) Updating the National Wetland Inventory for Minnesota - Phase V

[03f](#) Creating a Statewide Wetland Bird Monitoring Program

[03g](#) Minnesota Native Bee Atlas

[03h](#) Reintroduction and Interpretation of Bison in Minnesota State Parks

[03i](#) Endangered Bats, White-Nose Syndrome, and Forest Habitat - **RESEARCH**

[03j](#) Assessing Contaminants in Minnesota Loons and Pelicans - Phase III

[03k](#) Movement and Seasonal Habitat Use of Minnesota Elk - **RESEARCH**

[03l](#) Genetic and Camera Techniques to Estimate Carnivore Populations - **RESEARCH**

- 03m Aquatic and Terrestrial Reptile Habitat
- 03n Digitization of Historic Gullion Ruffed Grouse Research
- 03o Effects of Grazing Versus Fire for Prairie Management - **RESEARCH**
- 03p Assessing Ecological Impact of St. Anthony Falls Lock Closure
- 03q Foundational Dataset Characterizing Historic Forest Disturbance Impacts
- 03r Hydrologic Effects of Contemporary Forest Practices in Minnesota - **RESEARCH**
- 03s Habitat Mitigation for Goblin Fern Conservation

Subd. 04 Water Resources

- 04a Understanding Water Scarcity, Threats, and Values to Improve Management - **RESEARCH**
- 04b Biofilm Technology for Water Nutrient Removal - **RESEARCH**
- 04c Biological Consequences of Septic Pollution in Minnesota Lakes - **RESEARCH**
- 04d Preventing Phosphorous from Entering Water Resources through Drain Tiles - **RESEARCH**
- 04e Southeast Minnesota Cover Crop and Soil Health Initiatives
- 04f Southeast Minnesota Subsurface Drainage Impacts on Groundwater Recharge - **RESEARCH**
- 04g Using Hydroacoustics to Monitor Sediment in Minnesota Rivers - **RESEARCH**
- 04h Assessment of Irrigation Efficiencies in Benton County
- 04i Shoreview Water Consumption and Groundwater Awareness Project

Subd. 05 Environmental Education

- 05a Trap Shooting Sports Facility Grants
- 05b Connecting Students with Watersheds through Hands-On Learning
- 05c Zumbro River Watershed Recreational Learning Stewardship Sites
- 05d Students Engaging Local Watersheds Using Mobile Technologies
- 05e Mississippi River Water Journey Camps

Subd. 06 Aquatic and Terrestrial Invasive Species

- 06a Minnesota Invasive Terrestrial Plants and Pests Center
- 06b Emerald Ash Borer Ecological and Hydrological Impacts - Phase II - **RESEARCH**
- 06c Biological Control of Canada Thistle - **RESEARCH**
- 06d Preventing a New Disease of Pines in Minnesota - **RESEARCH**

Subd. 07 Air Quality, Climate Change, and Renewable Energy

- 07a Renewable and Sustainable Fertilizers Produced Locally - **RESEARCH**
- 07b Reducing Emissions from Open Burning through Biomass Gasification

07c Building Deconstruction to Reduce Greenhouse Gas Emissions and Solid Waste

Subd. 08 Methods to Protect, Restore, and Enhance Land, Water, and Habitat

08a Prioritizing Future Management of North Shore Trout Streams

08b Propagating Native Plants and Restoring Diverse Habitats

08c Preserving and Protecting Minnesota Native Orchid Species

08d Acceleration of Minnesota Conservation Assistance - Final Phase

08e Metro Conservation Corridors Phase VIII - Prairie, Forest, and Savanna Restoration

08f Metro Conservation Corridors Phase VIII - Enhancing Restoration Techniques for Improved Climate Resilience and Pollinator Conservation

08g Minnesota State University Moorhead Prairie and Riparian Restoration and Monitoring

08h Improving Community Forests Through Citizen Engagement

08i Flood Recovery on Sargent Creek Duluth Habitat Restoration

08j Shoreland Protection for the Lower St. Croix River

08k Redwood and Renville Counties Outdoor Recreation and Conservation Master Plan

Subd. 09 Land Acquisition for Habitat and Recreation

09a State Parks and State Trails Land Acquisitions

09b Metropolitan Regional Park System Land Acquisition - Phase IV

09c SNA Acquisition, Restoration, Enhancement and Public Engagement

09d Native Prairie Stewardship and Prairie Bank Easement Acquisition

09e Metro Conservation Corridors Phase VIII - Coordination and Mapping and Conservation Easements

09f Metro Conservation Corridors Phase VIII - Strategic Lands Protection

09g Metro Conservation Corridors Phase VIII - Priority Expansion of Minnesota Valley National Wildlife Refuge

09h Metro Conservation Corridors Phase VIII - Wildlife Management Area Acquisition

09i Mesabi Trail Development Soudan to Ely - Phase II

09j Multi-benefit Watershed Scale Conservation on North Central Lakes

09k Conservation Easement Assessment and Valuation System Development

Subd. 10 Emerging Issues Account

10 Emerging Issues Account

Subd. 11 Administration and Contract Agreement Reimbursement

11a Legislative-Citizen Commission on Minnesota Resources (LCCMR)

11b Contract Agreement Reimbursement

Funding Source:

Environment and Natural Resources Trust Fund (TF)

MN Laws 2015, Chapter 76, Section 2

Subd. 03 Foundational Natural Resource Data and Information

County Geologic Atlases - Part A

Subd. 03a \$2,040,000 TF

Dale Setterholm

U of MN - MN Geological Survey
2642 University Ave W
St. Paul, MN 55114-1057

Phone: (612) 627-4780 x223

Email: sette001@umn.edu

Web: <http://www.geo.umn.edu/mgs>

Appropriation Language

\$2,040,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota for the Minnesota Geological Survey to continue acceleration of the production of county geologic atlases for the purpose of sustainable management of surface water and groundwater resources. This appropriation is to complete Part A of county geologic atlases, which focuses on the properties and distribution of earth materials in order to define aquifer boundaries and the connection of aquifers to the land surface and surface water resources. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

County Geologic Atlases - Part B

Subd. 03b \$2,000,000 TF

Jan Falteisek

MN DNR
500 Lafayette Rd N

St. Paul, MN 55155

Phone: (651) 259-5665

Email: jan.falteisek@state.mn.us

Web: <http://www.mndnr.gov>

Appropriation Language

\$2,000,000 the first year is from the trust fund to the commissioner of natural resources to continue acceleration of the production of county geologic atlases for the purpose of sustainable management of surface water and groundwater resources. This appropriation is to complete Part B of county geologic atlases, which focuses on the properties and distribution of subsurface water found within geologic formations mapped in Part A in order to characterize the potential yield of aquifers and their sensitivity to contamination. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Minnesota Biological Survey

Subd. 03c \$2,450,000 TF

Bruce Carlson

MN DNR

500 Lafayette Rd

St Paul, MN 55155

Phone: (651) 259-5083

Email: bruce.carlson@state.mn.us

Web: <http://www.dnr.state.mn.us/eco/mcbs/index.html>

Appropriation Language

\$2,450,000 the first year is from the trust fund to the commissioner of natural resources for continuation of the Minnesota biological survey to provide a foundation for conserving biological diversity by systematically collecting, interpreting, monitoring, and delivering data on plant and animal distribution and ecology, native plant communities, and functional landscapes.

Project due to be completed: 6/30/2017

Work Plan (PDF)

Minnesota's Biodiversity Atlas for Enhanced Natural Resource Management

Subd. 03d \$340,000 TF

Keith Barker

U of MN - Bell Museum of Natural History
1987 Upper Buford Cir
St. Paul, MN 55108

Phone: (612) 624-2737

Email: barke042@umn.edu

Web: <http://www.bellmuseum.umn.edu/>

Appropriation Language

\$340,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota for the Bell Museum of Natural History to create a publicly accessible, online tool and repository that will electronically integrate over 600,000 existing biodiversity records, 300,000 existing images, and future data and associated imagery pertaining to Minnesota wildlife, plant, and fungi species in order to enhance research, guide field surveys, and inform conservation planning. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Updating the National Wetland Inventory for Minnesota - Phase V

Subd. 03e \$1,500,000 TF

Steve Kloiber

MN DNR
500 Lafayette Rd, Box 25
St Paul, MN 55155

Phone: (651) 259-5164

Email: steve.kloiber@state.mn.us

Web: http://www.dnr.state.mn/eco/wetlands/nwi_proj.html

Appropriation Language

\$1,500,000 the first year is from the trust fund to the commissioner of natural resources to continue to update and enhance wetland inventory maps for Minnesota. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Creating a Statewide Wetland Bird Monitoring Program

Subd. 03f \$146,000 TF

Kristin Hall

Audubon Minnesota
1 Water St W, Ste 200
St Paul, MN 55107

Phone: (651) 739-9332 x116

Email: khall@audubon.org

Web: <http://mn.audubon.org/>

Appropriation Language

\$146,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Audubon Minnesota to develop a statewide wetland bird monitoring program to enable long-term monitoring of the status of wetland birds and the health of their wetland habitats. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Minnesota Native Bee Atlas

Subd. 03g \$790,000 TF

Robert Blair

U of MN
1980 Folwell Ave, #200
St Paul, MN 55108

Phone: (651) 644-1591

Email: blairrB@umn.edu

Web: <http://www.minnesotamasternaturalist.org>

Appropriation Language

\$790,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to supplement and enhance existing bee survey efforts by engaging citizens in helping to document the distribution and phenology of wild Minnesota bees and integrating data from all related bee survey efforts into a single publicly accessible, online tool and repository. This appropriation is available until June 30, 2019, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2019

Work Plan (PDF)

Reintroduction and Interpretation of Bison in Minnesota State Parks

Subd. 03h \$600,000 TF

Edward Quinn

MN DNR

500 Lafayette Rd, Box 39

St. Paul, MN 55155

Phone: (651) 259-5594

Email: edward.quinn@state.mn.us

Web: <http://www.dnr.state.mn.us/index.html>

Appropriation Language

\$600,000 the first year is from the trust fund to the commissioner of natural resources to preserve American bison by reintroducing bison to Minneopa State Park and provide interpretive learning opportunities at Blue Mounds and Minneopa State Parks. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Endangered Bats, White-Nose Syndrome, and Forest Habitat

Subd. 03i \$1,250,000 TF

Richard Baker

MN DNR

500 Lafayette Rd, Box 25

St. Paul, MN 55155

Phone: (651) 259-5073

Email: richard.baker@state.mn.us

Web: <http://www.dnr.state.mn.us/eco/nhnrp>

RESEARCH

Appropriation Language

\$1,250,000 the first year is from the trust fund to the commissioner of natural resources in cooperation with the University of Minnesota and the United States Forest Service to survey

and radio-track endangered bats to define and understand summer forest habitat use in order to minimize forestry impacts and mitigate white-nose syndrome disease impacts. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Assessing Contaminants in Minnesota Loons and Pelicans-Phase III

Subd. 03j \$141,000 TF

Carrol Henderson

MN DNR

500 Lafayette Rd, Box 25

St Paul, MN 55155

Phone: (651) 259-5104

Email: carrol.henderson@state.mn.us

Web: <http://www.dnr.state.mn.us>

Appropriation Language

\$141,000 the first year is from the trust fund to the commissioner of natural resources to continue to assess the potential impact of petroleum, dispersants, and heavy metal contaminants from the Deepwater Horizon oil spill in the Gulf of Mexico on the wintering habitat of Minnesota's common loons and white pelicans using radiotelemetry, geolocators, and contaminant analysis.

Project due to be completed: 6/30/2017

Work Plan (PDF)

Movement and Seasonal Habitat Use of Minnesota Elk

Subd. 03k \$200,000 TF

Gino D'Angelo

MN DNR

35365 800th Ave

Madelia, MN 56062

Phone: (507) 642-8478

Email: gino.dangelo@state.mn.us

Web: <http://www.dnr.state.mn.us/wildlife/index.html>

RESEARCH

Appropriation Language

\$200,000 the first year is from the trust fund to the commissioner of natural resources to collect biological information about Minnesota elk, including movements and habitat use to enable long-term, sustainable management. This appropriation is contingent on a \$50,000 match from state or nonstate sources. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Genetic and Camera Techniques to Estimate Carnivore Populations

Subd. 03I \$200,000 TF

Ron Moen

U of MN - NRRRI

5013 Miller Trunk Hwy

Duluth, MN 55811

Phone: (218) 720-4279

Email: rmoen@nrri.umn.edu

Web: <http://www.d.umn.edu/~rmoen>

RESEARCH

Appropriation Language

\$200,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota - Duluth for the Natural Resources Research Institute to use genetic sampling and remote cameras to improve monitoring of distributions and estimate population sizes of carnivore species.

Project due to be completed: 6/30/2017

Work Plan (PDF)

Aquatic and Terrestrial Reptile Habitat

Subd. 03m \$250,000 TF

Jennifer McGuire

University of St. Thomas

2115 Summit Ave

St. Paul, MN 55105

Phone: (651) 962-5221

Email: jtmcguire@stthomas.edu

Web: <http://www.stthomas.edu/biology/research/biogeochemistry.html>

Appropriation Language

\$250,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the University of St. Thomas in cooperation with the Three Rivers Park District to analyze the aquatic and terrestrial habitat for certain reptile species in urban lakes and to make specific recommendations to protect and enhance the habitat. This appropriation is available until June 30, 2019, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2019

Work Plan (PDF)

Digitization of Historic Gullions Ruffed Grouse Research

Subd. 03n \$75,000 TF

Kent Montgomery

Central Lakes College
501 West College Dr
Brainerd, MN 56401

Phone: (218) 855-8155

Email: kmontgomery@clcmn.edu

Web: www.clcmn.edu

Appropriation Language

\$75,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Central Lakes College to preserve the Gordon Gullion ruffed grouse data sets as permanent digital data files in order to improve accessibility to the information and inform forest wildlife conservation policies and practices.

Project due to be completed: 6/30/2017

Work Plan (PDF)

Effects of Grazing Versus Fire for Prairie Management

Subd. 03o \$414,000 TF

Karen Oberhauser

U of MN

2003 Upper Buford Cir, 135 Skok Hall
St. Paul, MN 55108

Phone: (612) 624 8706

Email: oberh001@umn.edu

Web: <http://fwcb.cfans.umn.edu/oberhauser/>

RESEARCH

Appropriation Language

\$414,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to compare the effects of conservation grazing and prescribed fire on tallgrass prairie plants and pollinators in Minnesota in order to inform and improve land management practices. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Assessing Ecological Impact of St. Anthony Falls Lock Closure

Subd. 03p \$125,000 TF

Kathleen Boe

Minneapolis Riverfront Partnership
2522 Marshall St NE
Minneapolis, MN 55418

Phone: (612) 465-8780 x212

Email: kathleen.boe@minneapolisriverfrontpartnership.org

Web: <http://www.minneapolisriverfrontpartnership.org>

Appropriation Language

\$125,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Minneapolis Riverfront Partnership to study the impact of altered river flow due to closure of the Upper Lock on the Mississippi River at St. Anthony Falls on the physical and biological characteristics of the river between the Coon Rapids Dam and Lock and Dam No. 1 in order to inform future river restoration efforts.

Project due to be completed: 6/30/2017

Work Plan (PDF)

Foundational Dataset Characterizing Historic Forest Disturbance Impacts

Subd. 03q \$200,000 TF

Michael Falkowski

U of MN

1530 Cleveland Ave N, 115 Green Hall

St. Paul, MN 55108

Phone: (218) 726-6410

Email: mfalkows@umn.edu

Appropriation Language

\$200,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to quantify forest disturbance impacts over the past forty years on water quality, wildlife demographics, and wood fiber supply in order to identify management strategies that better respond to disturbance impacts and improve and sustain forest resources. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Hydrologic Effects of Contemporary Forest Practices in Minnesota

Subd. 03r \$150,000 TF

Diana Karwan

U of MN

1530 Cleveland Ave N

St. Paul, MN 55108

Phone: (612) 624-2774

Email: dlkarwan@umn.edu

RESEARCH

Appropriation Language

\$150,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to install hydrologic monitoring stations to collect water quantity and quality data from lands managed for timber production to better understand the relationship between harvest practices and water resources and related responses to changing climate and other disturbance factors in order to inform forest management practices. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Goblin Fern: Habitat Mitigation for Species Conservation

Subd. 03s \$61,000 TF

Bobby Henderson

Leech Lake Band of Ojibwe

115 Sixth St NW

Cass Lake, MN 56633

Phone: (218) 784-8620

Email: bobby.henderson@llojibwe.org

Appropriation Language

\$61,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Leech Lake Band of Ojibwe to examine goblin fern populations, a threatened species in Minnesota, in relation to habitat degradation and to develop long-term habitat mitigation and species conservation strategies. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Subd. 04 Water Resources

Understanding Water Scarcity, Threats, and Values to Improve Management

Subd. 04a \$234,000 TF

Bonnie Keeler

U of MN

1954 Buford Ave

St. Paul, MN 55108

Phone: (651) 353-9294

Email: keeler@umn.edu

Web: <http://z.umn.edu/keeler>

RESEARCH

Appropriation Language

\$234,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to model and map statewide water scarcity and abundance; assess water-related risks to industry, municipalities, and ecosystems; and quantify the economic values of changes in water quality and quantity in order to inform long-term water sustainability strategies. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

A Novel Biofilm Technology for Water Nutrient Removal

Subd. 04b \$281,000 TF

Bo Hu

U of MN
1390 Eckles Ave
St. Paul, MN 55108

Phone: (612) 625-4215

Email: bhu@umn.edu

Web: <http://bohu.cfans.umn.edu/>

RESEARCH**Appropriation Language**

\$281,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to develop a simulated lichen biofilm system that can be used to remove pollutants and recycle nutrients from storm water runoff and polluted lakes, ponds, and lagoons. This appropriation is subject to Minnesota Statutes, section 116P.10. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Biological Consequences of Septic Pollution in Minnesota Lakes

Subd. 04c \$364,000 TF

Heiko Schoenfuss

St. Cloud State University
720 Fourth Ave S WSB-273
St Cloud, MN 56301

Phone: (320) 308-3130

Email: hschoenfuss@stcloudstate.edu

Web: <http://web.stcloudstate.edu/aquatictox/>

RESEARCH

Appropriation Language

\$364,000 the first year is from the trust fund to the Board of Trustees of the Minnesota State Colleges and Universities system for St. Cloud State University to assess the presence of possible sources of contaminants of emerging concern in Minnesota lakes in order to determine their effects on fish health, understand the potential contribution from septic systems, and inform options for remediation and prevention to protect Minnesota lakes from these contaminants in the future. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Preventing Phosphorous from Entering Water Resources Through Drain Tiles

Subd. 04d \$505,000 TF

Kenneth Valentas

U of MN

1479 Gortner Ave, 140 Gortner Labs

St. Paul, MN 55108

Phone: (763) 595-0365

Email: valentas@umn.edu

RESEARCH

Appropriation Language

\$505,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to develop a new nanocomposite material made from biomass that is designed to adsorb phosphorus, nitrogen, and pesticides from storm water and drain tile runoff discharge for recycling back to agricultural lands. This appropriation is subject to Minnesota Statutes, section 116P.10.

Project due to be completed: 6/30/2017

Work Plan (PDF)

Southeastern Minnesota Cover Crop and Soil Health Initiatives

Subd. 04e \$253,000 TF

Matt Drewitz

Board of Water and Soil Resources
261 Hwy 15 S
New Ulm, MN 56073

Phone: (507) 359-6076

Email: matt.drewitz@state.mn.us

Web: <http://www.bwsr.state.mn.us>

Appropriation Language

\$253,000 the first year is from the trust fund to the Board of Water and Soil Resources to promote cover crops as a means of protecting soil and water quality in southeastern Minnesota through training and education for local practitioners, economic analysis of implementation, and on-farm demonstration sites. This effort must be coordinated with the University of Minnesota Forever Green Initiative. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Southeast Minnesota Subsurface Drainage Impacts on Groundwater Recharge

Subd. 04f \$488,000 TF

Erik Smith

U.S. Geological Survey
2280 Woodale Dr
Mounds View, MN 55112

Phone: (763) 783-3136

Email: easmith@usgs.gov

Web: <http://mn.water.usgs.gov>

RESEARCH

Appropriation Language

\$488,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the United States Geological Survey to assess the relationship between agricultural drainage and water flow within the unique karst geology of southeast Minnesota to characterize the potential impacts of drainage on groundwater recharge and groundwater sustainability in the region. This appropriation is not subject to Minnesota Statutes, section 116P.10. This appropriation is available until June 30, 2019, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2019

Work Plan (PDF)

Using Hydroacoustics to Monitor Sediment in Minnesota Rivers

Subd. 04g \$455,000 TF

Christopher Ellison

U.S. Geological Survey
2280 Woodale Dr
Mounds View, MN 55112

Phone: (763) 783-3121

Email: cellison@usgs.gov

Web: <http://mn-internal.cr.usgs.gov/mnlocal/index.html>

RESEARCH**Appropriation Language**

\$455,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the United States Geological Survey to install hydroacoustic equipment on the lower Minnesota and Mississippi Rivers to improve measurement and monitoring accuracy for suspended sediment and enhance ongoing sediment reduction efforts by state, federal, and local agencies. This appropriation is not subject to Minnesota Statutes, section 116P.10. This appropriation is available until June 30, 2019, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2019

Work Plan (PDF)

Assessment of Irrigation Efficiencies in Benton County

Subd. 04h \$431,000 TF

Gerry Maciej

Benton Soil and Water Conservation District
14 Second Ave W
Foley, MN 56329

Phone: (320) 968-5300 x3

Email: gerry@soilandwater.org

Web: <http://www.soilandwater.org>

Appropriation Language

\$431,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Benton Soil and Water Conservation District to develop and implement a decision support system to increase irrigation efficiencies and provide outreach on irrigation best management practices. Software developed with this appropriation must be available in

the public domain. Project efforts should be coordinated with the Department of Natural Resources. This appropriation is available until June 30, 2019, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2019

Work Plan (PDF)

Shoreview Water Consumption and Groundwater Awareness Project

Subd. 04i \$54,000 TF

Mark Maloney

City of Shoreview
4600 Victoria St N
Shoreview, MN 55126

Phone: (651) 490-4651

Email: mmaloney@shoreviewmn.gov

Web: <http://shoreviewmn.gov>

Appropriation Language

\$54,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Shoreview to provide biweekly water consumption data to at least 400 residential households for a two-year period to determine whether additional groundwater can be conserved with greater awareness of consumption data. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Subd. 05 Environmental Education

Trap Shooting Sports Facility Grants

Subd. 05a \$132,000 TF

Open

MN DNR
500 Lafayette Rd
St. Paul, MN 55155

Phone: Open

Email: [Open](#)

Web: [Open](#)

Appropriation Language

\$132,000 the first year is from the trust fund to the commissioner of natural resources for trap shooting sports facility grants under Minnesota Statutes, section 87A.10.

Project due to be completed: 6/30/2017

Work Plan (PDF)

Connecting Students with Watersheds through Hands-On Learning

Subd. 05b \$400,000 TF

John Lenczewski

Minnesota Trout Unlimited
PO Box 845
Chanhassen, MN 55317

Phone: (612) 670-1629

Email: jlenczewski@comcast.net

Web: <http://mntu.org/>

Appropriation Language

\$400,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Minnesota Trout Unlimited to provide hands-on learning focused on water quality, groundwater, aquatic life, and watershed health stewardship. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Zumbro River Watershed Recreational Learning Stewardship Sites

Subd. 05c \$300,000 TF

Lawrence Svien

Zumbro Watershed Partnership
1485 Industrial Dr NW, Rm 102
Rochester, MN 55901

Phone: (507) 226-6787

Email: admin@zumbrowatershed.org

Web: <http://www.zumbrowatershed.org>

Appropriation Language

\$300,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Zumbro Watershed Partnership to develop at least six recreational and educational sites on the Zumbro River with water quality demonstration elements and interpretative signage designed to encourage adoption of water protection practices. No more than 15 percent of this appropriation may be spent on site and construction consultation, planning, and design. Any plantings or restoration activities conducted with this appropriation must use native plant species according to the Board of Water and Soil Resources' native vegetation establishment and enhancement guidelines. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Splash Screen: SciGirls Exploring Watersheds Using Mobile Technologies

Subd. 05d \$147,000 TF

Joan Freese

Twin Cities Public Television
172 Fourth St E
St. Paul, MN 55101

Phone: (651) 229-1339

Email: jfreese@tpt.org

Web: <http://www.tpt.org>

Appropriation Language

\$147,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Twin Cities Public Television to deliver an experiential, project-based educational program using mobile technologies to empower at least 200 middle school students in 4-H programs to engage in understanding and protecting local water resources.

Project due to be completed: 6/30/2017

Work Plan (PDF)

Water Journey Camps

Subd. 05e \$25,000 TF

Beth Mercer-Taylor

U of MN
1954 Buford Ave
St. Paul, MN 55108

Phone: (612) 624-9430

Email: bethmt@umn.edu

Web: <http://environment.umn.edu>

Appropriation Language

\$25,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to design and pilot two week-long summer camps for youth ages 6 to 11 focused around clean water and the Mississippi River and designed to get children outdoors exploring and engaged with the natural environment and creating educational materials to help their communities protect water quality.

Project due to be completed: 6/30/2017

Work Plan (PDF)

Subd. 06 Aquatic and Terrestrial Invasive Species

Minnesota Invasive Terrestrial Plants and Pests Center

Subd. 06a \$5,000,000 TF

Robert Venette

U of MN

1992 Folwell Ave

St Paul, MN 55108

Phone: (612) 301-1405

Email: venet001@umn.edu

Web: <http://www.mitppc.umn.edu>

Appropriation Language

\$5,000,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota for the Invasive Terrestrial Plants and Pests Center established in Laws 2014, chapter 312, article 13, section 44, to conduct research to prevent, minimize, and mitigate the threats and impacts posed by invasive plants, pathogens, and pests to the state's prairies, forests, wetlands, and agricultural resources. This appropriation is available until June 30, 2023, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2023

Work Plan (PDF)

Emerald Ash Borer Ecological/Hydrological Impacts - Phase 2

Subd. 06b \$400,000 TF

Anthony D'Amato

U of MN
1530 N Cleveland Ave
St Paul, MN 55108

Phone: (612) 625-3733

Email: damato@umn.edu

Web: <http://www.forestry.umn.edu/silviclab/index.htm>

RESEARCH**Appropriation Language**

\$400,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to assess the potential impacts of emerald ash borer on Minnesota black ash forests and quantify potential impacts on native forest vegetation, invasive species spread, and hydrology. This appropriation is available until June 30, 2020, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2020

Work Plan (PDF)

Biological Control of Canada Thistle

Subd. 06c \$300,000 TF

Roger Becker

U of MN
411 Borlaug Hall, 1991 Upper Buford Cir
St. Paul, MN 55108

Phone: (612) 625-5753

Email: becke003@umn.edu

Web: <http://appliedweeds.cfans.umn.edu/>

RESEARCH**Appropriation Language**

\$300,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to develop a biological control for Canada thistle, an invasive plant species in Minnesota. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Preventing a New Disease of Pines in Minnesota

Subd. 06d \$371,000 TF

Robert Blanchette

U of MN

1991 Upper Buford Cir, 495 Borlaug Hall

St. Paul, MN 55126

Phone: (612) 625-0202

Email: robertb@umn.edu

Web: <http://forestpathology.cfans.umn.edu/default.htm>

RESEARCH

Appropriation Language

\$371,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to establish early detection for heterobasidion, an invasive root rot fungus, and develop efforts to prevent its spread and reduce its impact. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Subd. 07 Air Quality, Climate Change, and Renewable Energy

Renewable and Sustainable Fertilizers Produced Locally

Subd. 07a \$1,000,000 TF

Alon McCormick

U of MN

151 Amundson Hall

Minneapolis, MN 55455

Phone: (612) 625-1822

Email: mccormic@umn.edu

Web: <http://www.cems.umn.edu>

RESEARCH

Appropriation Language

\$1,000,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota for the Morris West Central Research and Outreach Center and Twin Cities Campus to develop and demonstrate new technologies aimed at enabling renewable and sustainable production of ammonia for fertilizer in a localized manner. This appropriation is subject to Minnesota Statutes, section 116P.10. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Reducing Emissions from Open Burning through Biomass Gasification

Subd. 07b \$268,000 TF

William Northrop

U of MN

111 Church St SE

Minneapolis, MN 55455

Phone: (612) 625 6854

Email: wnorthro@umn.edu

Appropriation Language

\$268,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota in cooperation with the Department of Natural Resources to characterize and promote distributed biomass gasification of wood waste as a means for producing renewable and sustainable energy in rural areas through a demonstration at the Department of Natural Resources regional office facility in New Ulm.

Project due to be completed: 6/30/2017

Work Plan (PDF)

Building Deconstruction to Reduce Greenhouse Gas Emissions and Solid Waste

Subd. 07c \$1,000,000 TF

Part 1 - \$845,000

Steve Thomas

The NetWork for Better Futures d/b/a Better Futures Minnesota

1017 Olson Memorial Hwy

Minneapolis, MN 55405

Phone: (612) 455-6133

Email: stthomas@betterfutures.net

Web: <http://www.betterfuturesminnesota.com>

Part 2 - \$155,000

Victor Krause

U of MN - Duluth NRRI

5013 Miller Trunk Highway

Duluth, MN 55811

Phone: (218) 720-4369

Email: vkrause@d.umn.edu

Web: <http://www.nrri.umn.edu>

Appropriation Language

\$845,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Better Futures Minnesota in cooperation with the Northwest Indian Opportunities Industrialization Center and \$155,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota - Duluth for the Natural Resources Research Institute to develop and test a model for implementing building deconstruction and material reuse as a competitive alternative to demolition for the purpose of reducing greenhouse gas emissions, reducing landfill waste, and providing job training. The project report must quantify and document greenhouse gas emissions reductions resulting from specific deconstruction techniques and materials reuses.

Project due to be completed: 6/30/2017

Work Plan - Part 1 (PDF)

Work Plan - Part 2 (PDF)

Subd. 08 Methods to Protect, Restore, and Enhance Land, Water, and Habitat

Prioritizing Future Management of North Shore Trout Streams

Subd. 08a \$416,000 TF

Lucinda Johnson

U of MN - NRRI

5013 Miller Trunk Hwy

Duluth, MN 55811

Phone: (218) 720-4251

Email: ljohnson@nrri.umn.edu

Web: <http://www.nrri.umn.edu/staff/ljohnson.asp>

Appropriation Language

\$357,000 the first year is from the trust fund and \$59,000 the first year is from the Great Lakes protection account to the Board of Regents of the University of Minnesota - Duluth for the Natural Resources Research Institute to identify key areas in North Shore streams that supply the cold groundwater essential to sustaining trout fisheries, in order to focus habitat restoration, protection, and management efforts on the areas that are most essential for long-term stream health and sustainability. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Propagating Native Plants and Restoring Diverse Habitats

Subd. 08b \$495,000 TF

Rich Perrine

Martin County Soil and Water Conservation District
923 N State St, Ste 110
Fairmont, MN 56031

Phone: (507) 235-6680

Email: richard.perrine@mn.nacdnet.net

Web: <http://www.martinswcd.net>

Appropriation Language

\$495,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Martin County Soil and Water Conservation District for a cooperative 13-county effort by Blue Earth, Brown, Cottonwood, Crow Wing, Faribault, Freeborn, Jackson, Lake, Le Sueur, Martin, Nicollet, Waseca, and Watonwan Counties to protect and expand native forest and prairie habitat for species in greatest conservation need in four regions of the state through collection and propagation of local ecotype native plants, habitat restoration efforts, and educational outreach. This appropriation is available until June 30, 2020, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2020

Work Plan (PDF)

Preserving and Protecting Minnesota Native Orchid Species

Subd. 08c \$167,000 TF

David Remucal

U of MN - Landscape Arboretum
3675 Arboretum Dr
Chaska, MN 55318

Phone: (952) 443-1418

Email: lnitabac@umn.edu

Web: <http://www.arboretum.umn.edu>

Appropriation Language

\$167,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota for the Minnesota Landscape Arboretum for propagation and cultivation research to enable long-term conservation of at least 15 selected species of the 48 native orchid species in Minnesota. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Acceleration of Minnesota Conservation Assistance - Final Phase

Subd. 08d \$1,000,000 TF

Tabor Hoek

Board of Water and Soil Resources
520 Lafayette Rd N
St Paul, MN 55155

Phone: (507) 537-7260

Email: tabor.hoek@state.mn.us

Web: <http://www.bwsr.state.mn.us>

Appropriation Language

\$1,000,000 the first year is from the trust fund to the Board of Water and Soil Resources for the final phase of a pilot program to provide grants to soil and water conservation districts and other units of local and state government for employment of staff to provide technical assistance to secure enrollment and retention of private lands in federal and state conservation programs. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Metro Conservation Corridors Phase VIII - Prairie, Forest, and Savanna Restoration

Subd. 08e \$276,000 TF

Tom Lewanski

Friends of the Mississippi River
360 N Robert St, Ste 400
St Paul, MN 55101

Phone: (651) 222-2193 x1

Email: tlewanski@fmr.org

Web: <http://www.fmr.org>

Appropriation Language

\$276,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Friends of the Mississippi River for Phase VIII of the Metro Conservation Corridors partnership to conduct restoration activities on at least 195 acres of forest and savanna and at least 60 acres of prairie to preserve and increase wildlife habitat in the metropolitan area, as defined under Minnesota Statutes, section 473.121, subdivision 2, and portions of the surrounding counties. Expenditures are limited to the identified project corridor areas as defined in the work plan. A list of proposed restorations must be provided as part of the required work plan. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Metro Conservation Corridors Phase VIII - Enhancing Restoration Techniques for Improved Climate Resilience and Pollinator Conservation

Subd. 08f \$400,000 TF

Wiley Buck

Great River Greening
35 W Water St, Ste 201
St Paul, MN 55107

Phone: (651) 665-9500

Email: wbuck@greatrivergreening.org

Web: <http://www.greatrivergreening.org>

Appropriation Language

\$400,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Great River Greening for Phase VIII of the Metro Conservation Corridors partnership to pilot and evaluate innovative restoration techniques aimed at improving the

resilience of bur oak communities to changing climate conditions and enhancing prairie management to benefit pollinators with the help and engagement of citizen volunteers. Expenditures on restoration efforts are limited to the identified project corridor areas as defined in the work plan. A list of proposed restorations must be provided as part of the required work plan. This appropriation is available until June 30, 2018, by which point the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

MSU Moorhead Science Center Restoration & Monitoring

Subd. 08g \$527,000 TF

Brian Wisenden

Moorhead State University
1104 Seventh Ave S
Moorhead, MN 56563

Phone: (701) 212-5801

Email: wisenden@mnstate.edu

Web: <http://web.mnstate.edu/wisenden>

Appropriation Language

\$527,000 the first year is from the trust fund to the Board of Trustees of the Minnesota State Colleges and Universities system for Minnesota State University Moorhead in cooperation with the Department of Natural Resources to restore and monitor 160 acres of prairie and riparian habitat and develop and disseminate monitoring protocols. This appropriation is contingent upon the donation of a 60-acre parcel to Minnesota State University Moorhead from the Minnesota State University Moorhead Alumni Foundation and is available until June 30, 2020, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2020

Work Plan (PDF)

Improving Community Forests Through Citizen Engagement

Subd. 08h \$800,000 TF

Ken Holman

MN DNR
500 Lafayette Rd N
St. Paul, MN 55155

Phone: (651) 259-5269

Email: ken.holman@state.mn.us

Web: <http://www.dnr.state.mn.us>

Appropriation Language

\$800,000 the first year is from the trust fund to the commissioner of natural resources to design and pilot a program, including grants to communities, to mobilize citizen volunteers to protect, improve, and maintain local forests in communities around the state. Participation is open to any municipality in the state and participating municipalities will be selected through a competitive proposal process that will include representation from both metropolitan and nonmetropolitan areas of the state. Trees planted using this appropriation must be species that are native to Minnesota. A participating municipality must provide a match of not less than 25 percent, up to half of which may be in the form of in-kind support. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Flood Recovery on Sargent Creek Duluth Habitat Restoration

Subd. 08i \$300,000 TF

Christopher Kleist

City of Duluth

411 First St W, Room 211

Duluth, MN 55802

Phone: (218) 355-0598

Email: ckleist@duluthmn.gov

Web: <http://www.duluthmn.gov>

Appropriation Language

\$300,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Duluth to re-establish stable and natural streambanks with riparian and aquatic habitat restoration on at least 5,400 linear feet of Sargent Creek in Duluth destroyed during the flood of 2012.

Project due to be completed: 6/30/2017

Work Plan (PDF)

Shoreland Protection for the Lower St. Croix River

Subd. 08j \$190,000 TF

Deb Ryun

St. Croix River Association
119 N Washington St
St Croix Falls, MN 54024

Phone: (715) 483-3300

Email: debryun@scramail.com

Web: <http://stcroixriverassociation.org/>

Appropriation Language

\$190,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the St. Croix River Association to provide technical assistance to landowners, local governments, realtors, and developers on shoreland conservation and protection of the lower St. Croix River. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Redwood and Renville Counties Outdoor Recreation and Conservation Master Plan

Subd. 08k \$75,000 TF

Mark Erickson

Redwood County and Renville County
105 Fifth St S, Ste 311
Olivia, MN 56277

Phone: (320) 523-3702

Email: mark_e@co.renville.mn.us

Web: <http://www.co.renville.mn.us>

Appropriation Language

\$75,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Renville County in cooperation with Redwood County to develop a joint outdoor recreation and conservation master plan to guide future development and protect cultural, historical, and natural resources in the Minnesota River Valley.

Project due to be completed: 6/30/2017

Work Plan (PDF)

Subd. 09 Land Acquisition for Habitat and Recreation

State Parks and State Trails Land Acquisitions

Subd. 09a \$1,500,000 TF

Jennifer Christie

MN DNR

500 Lafayette Rd

St. Paul, MN 55155

Phone: (651) 259-5579

Email: jennifer.christie@state.mn.us

Web: <http://www.mndnr.gov>

Appropriation Language

\$1,500,000 the first year is from the trust fund to the commissioner of natural resources to acquire at least 335 acres for authorized state trails and critical parcels within the statutory boundaries of state parks. State park land acquired with this appropriation must be sufficiently improved to meet at least minimum management standards, as determined by the commissioner of natural resources. A list of proposed acquisitions must be provided as part of the required work plan. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Metropolitan Regional Park System Land Acquisition Phase 4

Subd. 09b \$1,000,000 TF

Deb Streets Jensen

Metropolitan Council

390 N Robert St

St. Paul, MN 55101

Phone: (651) 602-1554

Email: deb.jensen@metc.state.mn.us

Web: <http://www.metrocouncil.org/Parks.aspx>

Appropriation Language

\$1,000,000 the first year is from the trust fund to the Metropolitan Council for grants to acquire at least 133 acres of lands within the approved park unit boundaries of the metropolitan regional park system. This appropriation may not be used to purchase habitable residential

structures. A list of proposed fee title and easement acquisitions must be provided as part of the required work plan. This appropriation must be matched by at least 40 percent of nonstate money that must be committed by December 31, 2015, or the appropriation cancels. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

SNA Acquisition, Restoration, Enhancement and Public Engagement

Subd. 09c \$4,000,000 TF

Peggy Booth

MN DNR

500 Lafayette Rd, Box 25

St. Paul, MN 55155

Phone: (651) 259-5088

Email: peggy.booth@state.mn.us

Web: <http://www.dnr.state.mn.us/snas/index.html>

Appropriation Language

\$4,000,000 the first year is from the trust fund to the commissioner of natural resources to acquire at least 350 acres of lands with high-quality native plant communities and rare features to be established as scientific and natural areas as provided in Minnesota Statutes, section 86A.05, subdivision 5, restore and improve at least 550 acres of scientific and natural areas, and provide technical assistance and outreach. A list of proposed acquisitions must be provided as part of the required work plan. Land acquired with this appropriation must be sufficiently improved to meet at least minimum management standards, as determined by the commissioner of natural resources. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Native Prairie Stewardship and Prairie Bank Easement Acquisition

Subd. 09d \$3,325,000 TF

Judy Schulte

MN DNR

1241 East Bridge Street

Redwood Falls, MN 56283

Phone: (507) 822-0344

Email: judy.schulte@state.mn.us

Web: <http://www.dnr.state.mn.us>

Appropriation Language

\$3,325,000 the first year is from the trust fund to the commissioner of natural resources to acquire native prairie bank easements on at least 675 acres, prepare baseline property assessments, restore and enhance at least 1,000 acres of native prairie sites, and provide technical assistance to landowners. Of this amount, up to \$135,000 must be deposited in a conservation easement stewardship account. Deposits into the conservation easement stewardship account must be made upon closing on conservation easements or at a time otherwise approved in the work plan. A list of proposed easement acquisitions must be provided as part of the required work plan. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Metro Conservation Corridors Phase VIII - Coordination and Mapping and Conservation Easements

Subd. 09e \$515,000 TF

Kris Larson

Minnesota Land Trust
2345 University Ave W, Ste 400
St. Paul, MN 55114

Phone: (651) 647-9590

Email: klarson@mnland.org

Web: <http://www.mnland.org>

Appropriation Language

\$515,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Minnesota Land Trust for Phase VIII of the Metro Conservation Corridors partnership to provide coordination and mapping for the partnership and to acquire permanent conservation easements on at least 120 acres of strategic ecological landscapes to protect priority natural areas in the metropolitan area, as defined under Minnesota Statutes, section 473.121, subdivision 2, and portions of the surrounding counties. A list of proposed easement acquisitions must be provided as part of the required work plan. Land acquired with this appropriation must be sufficiently improved to meet at least minimum management standards, as determined by the commissioner of natural resources. Expenditures are limited to the identified project corridor areas as defined in the work plan. Up to \$40,000 may be used for

coordination and mapping for the Metro Conservation Corridors. All conservation easements must be perpetual and have a natural resource management plan. A list of proposed easement acquisitions must be provided as part of the required work plan. This appropriation is available June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Metro Conservation Corridors Phase VIII - Strategic Lands Protection

Subd. 09f \$750,000 TF

Robert McGillivray

The Trust for Public Land
2610 University Ave W, Ste 300
St. Paul, MN 55114

Phone: (651) 999-5307

Email: Bob.McGillivray@tpl.org

Web: <http://www.tpl.org>

Appropriation Language

\$750,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with The Trust for Public Land for Phase VIII of the Metro Conservation Corridors partnership to acquire in fee at least 35 acres of high-quality priority state and local natural areas in the metropolitan area, as defined under Minnesota Statutes, section 473.121, subdivision 2, and portions of the surrounding counties. A list of proposed acquisitions must be provided as part of the required work plan. Land acquired with this appropriation must be sufficiently improved to meet at least minimum management standards, as determined by the commissioner of natural resources. Expenditures are limited to the identified project corridor areas as defined in the work plan. This appropriation may not be used to purchase habitable residential structures, unless expressly approved in the work plan. A list of fee title acquisitions must be provided as part of the required work plan. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Metro Conservation Corridors Phase VIII - Priority Expansion of Minnesota Valley National Wildlife Refuge

Subd. 09g \$500,000 TF

Deborah Loon

Minnesota Valley National Wildlife Refuge Trust Inc
2312 Seabury Ave
Minneapolis, MN 55406

Phone: (612) 801-1935

Email: dloon@mnvalleytrust.org

Web: <http://www.mnvalleytrust.org>

Appropriation Language

\$500,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Minnesota Valley National Wildlife Refuge Trust, Inc. for Phase VIII of the Metro Conservation Corridors partnership to acquire in fee at least 100 acres of priority habitat for the Minnesota Valley National Wildlife Refuge in the metropolitan area, as defined under Minnesota Statutes, section 473.121, subdivision 2, and portions of the surrounding counties. A list of proposed acquisitions must be provided as part of the required work plan. Land acquired with this appropriation must be sufficiently improved to meet at least minimum management standards. Expenditures are limited to the identified project corridor areas as defined in the work plan. This appropriation may not be used to purchase habitable residential structures, unless expressly approved in the work plan. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Metro Conservation Corridors Phase VIII - Wildlife Management Area Acquisition

Subd. 09h \$400,000 TF

Patrick Rivers

MN DNR
500 Lafayette Rd
St. Paul, MN 55155

Phone: (651) 259-5209

Email: pat.rivers@state.mn.us

Web: <http://www.dnr.state.mn.us/index.html>

Appropriation Language

\$400,000 the first year is from the trust fund to the commissioner of natural resources for Phase VIII of the Metro Conservation Corridors partnership to acquire in fee at least 82 acres along the lower reaches of the Vermillion River in Dakota County within the Gores Pool Wildlife Management Area. Land acquired with this appropriation must be sufficiently improved to meet at least minimum management standards. This appropriation may not be used to purchase habitable residential structures, unless expressly approved in the work plan. This

appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2017

Work Plan (PDF)

Mesabi Trail Development Soudan to Ely - Phase II

Subd. 09i \$1,000,000 TF

Bob Manzoline

St. Louis and Lake Counties Regional Railroad Authority
111 Station Rd
Eveleth, MN 55734

Phone: (218) 744-2653

Email: bmanzoline@rrauth.com

Appropriation Language

\$1,000,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the St. Louis and Lake Counties Regional Railroad Authority for the right-of-way acquisition, design, and construction of segments of the Mesabi Trail, totaling approximately seven miles between Soudan and Ely. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Multi-benefit Watershed Scale Conservation on North Central Lakes

Subd. 09j \$950,000 TF

Lindsey Ketchel

Leech Lake Area Watershed Foundation
PO Box 455
Hackensack, MN 56452

Phone: (218) 675-5773

Email: llawf@tds.net

Web: <http://www.leechlakewatershed.org>

and

Dan Steward

Board of Water and soil Resources

1601 Minnesota Drive
Brainerd MN 56401

Phone: (218) 828-2598

Email: dan.steward@state.mn.us

Web: <http://www.bwsr.state.mn.us>

Appropriation Language

\$950,000 the first year is from the trust fund to the Board of Water and Soil Resources to secure permanent conservation easements on at least 480 acres of high-quality habitat in Crow Wing and Cass Counties. Of this amount, up to \$65,000 must be deposited in a conservation easement stewardship account; and \$54,000 is for an agreement with the Leech Lake Area Watershed Foundation in cooperation with Crow Wing County Soil and Water Conservation District and Cass County Soil and Water Conservation District. Deposits into the conservation easement stewardship account must be made upon closing on conservation easements or at a time otherwise approved in the work plan. A list of proposed easement acquisitions must be provided as part of the required work plan. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Conservation Easement Assessment and Valuation System Development

Subd. 09k \$250,000 TF

Bonnie Keeler

U of MN

1954 Buford Ave

St. Paul, MN 55108

Phone: (612) 626-2120

Email: keel0041@umn.edu

Web: <http://www.environment.umn.edu/contact-us/directory/bonnie-keeler/>

Appropriation Language

\$250,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to assess the effectiveness of existing conservation easements acquired through state expenditures at achieving their intended outcomes of public value and ecological benefits and to develop a standardized, objective conservation easement valuation system for guiding future state investments in conservation easements to ensure the proposed environmental benefits are being achieved in a cost-effective manner. This appropriation is available until June 30, 2018, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2018

Work Plan (PDF)

Subd. 10 Emerging Issues Account

Emerging Issues Account

Subd. 10 \$1,000,000 TF

Susan Thornton

Legislative-Citizen Commission on Minnesota Resources
100 Rev Dr Martin Luther King Jr Blvd, Rm 65
St. Paul, MN 55155

Phone: (651) 296-6264

Email: susan.thornton@lccmr.leg.mn

Web: <http://www.lccmr.leg.mn>

Appropriation Language

\$1,000,000 the first year is from the trust fund to an emerging issues account authorized in Minnesota Statutes, section 116P.08, subdivision 4, paragraph (d).

Project due to be completed: 6/30/2017

Work Plan

Subd. 11 Administration and Contract Agreement Reimbursement

Legislative-Citizen Commission on Minnesota Resources (LCCMR)

Subd. 11a \$1,072,000 TF

Susan Thornton

Legislative-Citizen Commission on Minnesota Resources
100 Rev Dr Martin Luther King Jr Blvd, Rm 65
St. Paul, MN 55155

Phone: (651) 296-6264

Email: susan.thornton@lccmr.leg.mn

Web: <http://www.lccmr.leg.mn>

Appropriation Language

\$1,072,000 the first year is from the trust fund to the Legislative-Citizen Commission on Minnesota Resources for administration in fiscal years 2016 and 2017 as provided in Minnesota Statutes, section 116P.09, subdivision 5.

Project due to be completed: 6/30/2017

Work Plan

Contract Agreement Reimbursement

Subd. 11b \$135,000 TF

Amanda Graeber

MN DNR

500 Lafayette Rd, Box 10

St. Paul, MN 55155

Phone: (651) 259-5533

Email: amanda.graeber@state.mn.us

Web: <http://www.dnr.state.mn.us>

Appropriation Language

\$135,000 the first year is from the trust fund to the commissioner of natural resources at the direction of the Legislative-Citizen Commission on Minnesota Resources for expenses incurred for contract agreement reimbursement for the agreements specified in this section. The commissioner shall provide documentation to the Legislative-Citizen Commission on Minnesota Resources on the expenditure of these funds.

Project due to be completed: 6/30/2017

Work Plan (PDF)

