## M.L. 2017 Projects

For the FY 2018 and FY 2019 biennium (July 1, 2017 - June 30, 2019), approximately \$50.8 million was available each year (total = \$101,656,000) for funding from the Environment and Natural Resources Trust Fund. Additionally, approximately \$8.4 million in ENRTF funds remained available from FY 2017 for appropriation during the 2017 legislative session. In response to the 2017 Request for Proposal (RFP) 195 proposals requesting a total of approximately \$159.6 million were received. Through a competitive multi-step process, 97 of these proposals, requesting a total of \$70.4 million, were chosen to present to the LCCMR and 69 proposals were selected to receive a recommendation for funding to the 2017 MN Legislature. On 05/ 22/17 the Legislature adopted 63 of the recommendations, including 59 without any changes and 4 at a decreased dollar amount; deleted 7 of the recommendations; and added 2 new appropriations for a total of 65 appropriations. On 05/30/2017, 65 appropriations totaling \$64,250,000, were signed into law by the Govenor as M.L. 2017, Chapter 96 for appropriation in FY17 (\$8,428,000), FY18 (\$50,733,000) and FY19 (\$5,089,000).

NOTE: For all projects, <u>contact</u> 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.

## MN Laws 2017, Chapter 96 (beginning July 1, 2017)

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.

MN Laws 2017 Chapter 96, Section 2 Subd. 03 Foundational Natural Resource Data and Information

County Geologic Atlases - Continuation Subd. 03a \$2,000,000 TF (FY2017)

## **Dale Setterholm**

U of MN - MN Geological Survey 2609 Territorial Rd St. Paul, MN 55114 Phone: (612) 626-5119 Email: <u>sette001@umn.edu</u> Web: <u>http://www.mngs.umn.edu</u>

#### **Appropriation Language**

\$2,000,000 in fiscal year 2017 is from the trust fund to the Board of Regents of the University of Minnesota, 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, 2020, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2020 Work Plan

Assessment of Public Benefits of Protecting Source Water Subd. 03b \$320,000 TF (FY2018)

Bonnie Keeler U of MN 1954 Buford Ave St. Paul, MN 55108 Phone: (651) 626-2120 Email: <u>keeler@umn.edu</u> Web: <u>http://z.umn.edu/keeler</u>

#### **Appropriation Language**

\$320,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to map and quantify source water risks, determine ecosystem service valuation of clean water, and provide analyses of equity and community capacity to improve decisions about the protection and management of groundwater and surface water. 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

## Preserving Minnesota Prairie Plant Diversity - Phase II - RESEARCH Subd. 03c \$900,000 TF (FY2018)

Ruth ShawU of MN1987 Upper Buford Cir, 100 Ecology BldgSt. Paul, MN 55108Phone: (612) 624-7206Email: <a href="mailto:shawx016@umn.edu">shawx016@umn.edu</a>Web: <a href="http://www.cbs.umn.edu/eeb/faculty/ShawRuth/">http://www.cbs.umn.edu/eeb/faculty/ShawRuth/</a>

## **Appropriation Language**

\$900,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to continue collecting and preserving germplasm of plants throughout Minnesota's prairie region, study the microbial effects that promote plant health, analyze local adaptation, and evaluate the adaptive capacity of prairie plant populations. 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

Minnesota Biological Survey - Continuation Subd. 03d \$2,900,000 TF (FY2018)

## Bruce Carlson

MN DNR 500 Lafayette Rd St. Paul, MN 55155 Phone: (651) 259-5083 Email: <u>bruce.carlson@state.mn.us</u> Web: <u>http://www.dnr.state.mn.us/eco/mcbs/index.html</u>

#### **Appropriation Language**

\$2,900,000 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. 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

Minnesota Wildflowers Online Botanical Reference - Phase II Subd. 03e \$270,000 TF (FY2018)

Katy Chayka MN Wildflowers Information 1590 Long Lake Rd New Brighton, MN 55112 Phone: (651) 399-4064

Email: <u>kchayka@c-net.us</u>

Web: http://www.minnesotawildflowers.info/

#### **Appropriation Language**

\$270,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Minnesota Wildflowers Information to continue surveying and imaging plant species and publishing species profiles for a plant identification reference Web site available to the public and land managers. Images acquired and information compiled using these funds are for purposes of public information available on a Web site. If the organization is no longer able to maintain the Web site, the organization must work with the state and the University of Minnesota, Bell Museum of Natural History, to ensure the materials remain publicly available on the Web. 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

# Assessment of Microbes for Improving Wild Rice Restoration - RESEARCH Subd. 03f \$334,000 TF (FY2018)

Chanlan Chun U of MN - NRRI 1405 University Drive SCiv 221 Duluth, MN 55811 Phone: (218) 788-2613 Email: chun0157@d.umn.edu

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

## **Appropriation Language**

\$334,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota, Natural Resources Research Institute, to evaluate the microbial communities and nutrients associated with wild rice and competing vegetation, with the goal of enhancing restoration success to increase the abundance of wild rice. 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

Drainage Records Modernization Cost Share - Phase II Subd. 03g \$540,000 TF (FY2018)

Tim Gillette Board of Water and Soil Resources 520 Lafayette Rd St. Paul, MN 55155 Phone: (651) 297-8287 Email: tim.gillette@state.mn.us

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

#### **Appropriation Language**

\$540,000 the first year is from the trust fund to the Board of Water and Soil Resources to facilitate statewide modernization of public drainage records under Minnesota Statutes, chapter 103E, and integrate new specifications into existing drainage records modernization guidelines through matching cost-share grants to drainage authorities. 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

Groundwater Contamination Mapping Subd. 03h \$400,000 TF (FY2018)

Hans Neve Minnesota Pollution Control Agency 520 Lafayette Rd St. Paul, MN 55155 Phone: (651) 757-2608 Email: <u>hans.neve@state.mn.us</u> Web: <u>https://www.pca.state.mn.us/waste/superfund-program</u>

#### **Appropriation Language**

\$400,000 the first year is from the trust fund to the commissioner of the Pollution Control Agency to develop a Web-based interactive map of groundwater contamination to improve protection of groundwater resources for drinking water. 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

## Landslide Susceptibility, Mapping, and Management Tools Subd. 03i \$500,000 TF (FY2018)

#### Karen Gran

U of MN, Duluth 1114 Kirby Dr Duluth, MN 55812 Phone: (218) 726-7406 Email: kgran@d.umn.edu

#### **Appropriation Language**

\$500,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to create landslide susceptibility maps using a landslide inventory and quantitative analysis of LiDAR to provide tools and data for mitigation and restoration to reduce impacts on water resources. 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 <u>Work Plan</u>

Moose Calf Surveys and Monitoring Subd. 03j \$348,000 TF (FY2018)

Mark Ditmer U of MN 2003 Upper Buford Cir, 135 Skok Hall St. Paul, MN 55108 Phone: (651) 895-9883 Email: ditme004@umn.edu

## **Appropriation Language**

\$348,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to assess the use of unmanned aerial vehicles in natural resource monitoring of moose populations and changes in ecosystems. **Project due to be completed:** 6/30/2019 Work Plan

Cedar Creek Natural Area Wolf Recolonization Assessment - RESEARCH Subd. 03k \$398,000 TF (FY2018)

#### **Forest Isbell**

Cedar Creek Ecosystem Science Reserve, U of MN 2660 Fawn Lake Drive NE East Bethel, MN 55005 Phone: (612) 301-2601 Email: <u>isbell@umn.edu</u> Web: <u>https://www.cedarcreek.umn.edu</u>

#### **Appropriation Language**

\$398,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota, Cedar Creek Ecosystem Science Reserve, to assess wolf recolonization impacts on wildlife, biodiversity, and natural resources and provide educational opportunities at Cedar Creek Ecosystem Science Reserve. 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

# Effects of Wolves Predation on Beaver, Moose, and Deer - RESEARCH Subd. 031 \$293,000 TF (FY2018)

#### **Steve Windels**

Voyageurs National Park 360 Hwy 11 E International Falls, MN 56649 Phone: (218) 283-6692 Email: <u>steve windels@nps.gov</u>

#### **Appropriation Language**

\$293,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Voyageurs National Park to assess the effects of wolf predation on beaver, moose, and deer in the Border Lakes region. 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

# Mapping Taxonomy and Environmental Toxicology of Minnesota Freshwater Sponges - RESEARCH Subd. 03m \$258,000 TF (FY2018)

Anthony Schroeder U of MN, Crookston 2900 University Ave Crookston, MN 56716 Phone: (218) 281-8252 Email: <u>aschroed@crk.umn.edu</u>

## **Appropriation Language**

258,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota, Crookston, to determine freshwater sponge distribution, identify and quantify accumulated contaminants, and provide educational research opportunities to undergraduate students. 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

Pollinator Research and Outreach Subd. 03n \$500,000 TF (FY2018 - \$411,000 / FY2019 - \$89,000)

#### **Daniel P Cariveau**

U of MN 1980 Folwell Avenue St. Paul, MN 55108 Phone: (612) 624-1254 Email: <u>dcarivea@umn.edu</u>

## **Appropriation Language**

\$411,000 the first year and \$89,000 the second year are from the trust fund to the Board of Regents of the University of Minnesota for pollinator research and outreach, including, but not limited to, science-based best practices and the identification and establishment of habitat beneficial to pollinators. 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

#### Subd. 04 Water Resources

Assessment of Household Chemicals and Herbicides in Rivers and Lakes - RESEARCH Subd. 04a \$236,000 TF (FY2018)

## William Arnold

U of MN 500 Pillsbury Dr. SE Minneapolis, MN 55455 Phone: (612) 625-8582 Email: <u>arnol032@umn.edu</u> Web: <u>http://personal.ce.umn.edu/~arnold/</u>

## Appropriation Language

\$236,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to quantify environmental levels of household chemical and herbicide ingredients in rivers and lakes and assess their potential to form toxic by-products.

Project due to be completed: 6/30/2019 Work Plan

Wastewater Nitrogen Removal Technology to Protect Water Quality - RESEARCH Subd. 04b \$450,000 TF (FY2018)

Paige Novak U of MN 500 Pillsbury Dr SE, 122 Civil Engineering Bldg Minneapolis, MN 55455 Phone: (612) 626-9846 Email: <u>novak010@umn.edu</u> Web: <u>http://www.ce.umn.edu/people/faculty/novak/</u>

## **Appropriation Language**

\$450,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to develop a technology for inexpensive low-energy nitrogen removal in wastewater. This appropriation is subject to Minnesota Statutes, section 116P.10. 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

# Rearing Native Mussels for Reintroduction and Expanding Water Quality Awareness Subd. 04c \$591,000 TF (FY2018)

#### **Seth Stapleton**

Minnesota Zoological Garden 13000 Zoo Blvd Apple Valley, MN 55124 Phone: (952) 431-9443 Email: <u>seth.stapleton@state.mn.us</u> Web: http://www.mnzoo.org

#### **Appropriation Language**

\$591,000 the first year is from the trust fund to the Minnesota Zoological Garden in cooperation with the Department of Natural Resources to accelerate the reintroduction of native mussels into Minnesota rivers and streams through expanded mussel rearing, research, and statewide educational activities promoting mussel conservation and water quality. 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

# Water Quality Monitoring in Southeastern Minnesota Trout Streams Subd. 04d \$500,000 TF (FY2018)

Neal Mundahl Winona State University 175 W Mark St W Winona, MN 55987 Phone: (507) 457-5695 Email: <u>nmundahl@winona.edu</u> Web: <u>http://www.winona.edu</u>

#### **Appropriation Language**

\$500,000 the first year is from the trust fund to the Board of Trustees of Minnesota State Colleges and Universities, Winona State University, to develop a system of biological monitoring for water quality protection of trout streams in southeastern Minnesota. 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

Reassessing Toxicity of Petroleum Spills on Ground and Surface Water - RESEARCH Subd. 04e \$300,000 TF (FY2018)

## Dalma Martinovic-Weigelt

St. Thomas University 2115 Summit Ave, OWS 390 St. Paul, MN 55105 Phone: (651) 962-5233 Email: <u>mart6831@stthomas.edu</u> Web: <u>http://www.stthomas.edu/biology/research/environmental-toxicology.html</u>

## **Appropriation Language**

\$300,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the University of St. Thomas to reassess long-term effects of oil spills through the analysis of chemical parameters related to oil degradation and evaluate the impacts on aquatic species, groundwater, and surface waters. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2021 Work Plan

Assessment of Water Quality for Reuse Subd. 04f \$148,000 TF (FY2018)

# Satoshi Ishii

U of MN 1479 Gortner Ave, 140 Gortner Labs St. Paul, MN 55108 Phone: (612) 624-7902 Email: <u>ishi0040@umn.edu</u>

## **Appropriation Language**

\$148,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to collect and analyze pathogen data for evaluation of water reuse in order to maximize water reuse and protect groundwater and surface water quality.

Project due to be completed: 6/30/2019 Work Plan

Identification of Chemicals of Emerging Concern in Minnesota Fish - RESEARCH Subd. 04g \$400,000 TF (FY2018)

Seth Moore Grand Portage Band of Lake Superior Chippewa 27 Store Rd Grand Portage, MN 55605 Phone: (218) 370-9310 Email: <u>samoore@boreal.org</u>

#### **Appropriation Language**

\$400,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Grand Portage Band of Lake Superior Chippewa to identify chemicals of emerging concern and metals in fish, water, and sediments from approximately 30 water bodies in northeastern Minnesota used for subsistence harvest and recreation. 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

# Techniques for Water Storage Estimates in Central Minnesota Subd. 04h \$250,000 TF (FY2018)

John Nieber U of MN 1390 Eckles Ave, Rm 203 St. Paul, MN 55108 Phone: (612) 625-6724 Email: <u>nieber@umn.edu</u> Web: <u>https://wiki.umn.edu/view/Water\_Sustainability</u>

#### **Appropriation Language**

\$250,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to improve water storage estimates in groundwater, soil moisture, streams, lakes, and wetlands through integration of satellite monitoring and ground-based measurements in central Minnesota. 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

## Assessing Release of Mercury and Sulfur on Aquatic Communities Subd. 04i \$300,000 TF (FY2018)

**Ed Nater** U of MN 1991 Upper Buford Cir, 439 Borlaug Hall St. Paul, MN 55108 Phone: (612) 625-9734

Email: <u>enater@umn.edu</u>

#### **Appropriation Language**

\$300,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to determine the effects of increased temperatures on the release of mercury and sulfur from Minnesota peatlands to predict impacts on aquatic communities and fish health. 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

# Subd. 05 Environmental Education

Connecting Youth to Minnesota Waterways through Outdoor Classrooms Subd. 05a \$1,200,000 TF (FY2018)

Meg Krueger Wilderness Inquiry 808 14th Avenue SE Minneapolis, MN 55414 Phone: (612) 676-9413 Email: <u>meg@wildernessinquiry.org</u> Web: <u>http://www.wildernessinquiry.org</u>

## **Appropriation Language**

\$1,200,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Wilderness Inquiry to provide place-based environmental education science water experiences to approximately 20,000 middle- and high-school students. 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

Increasing Diversity in Environmental Careers Subd. 05b \$487,000 TF (FY2018)

#### **Denise Legato**

MN DNR 500 Lafayette Rd St. Paul, MN 55155 Phone: (651) 259-5317 Email: <u>denise.legato@state.mn.us</u> Web: <u>http://www.dnr.state.mn.us</u>

#### **Appropriation Language**

\$487,000 the first year is from the trust fund to the commissioner of natural resources in cooperation with Conservation Corps Minnesota and Iowa to encourage a diversity of students to pursue careers in environment and natural resources through internships and mentorships with the Department of Natural Resources, the Board of Water and Soil Resources, and the Pollution Control Agency. This appropriation is available until June 30, 2022, by which time the project must be completed and final products delivered. **Project due to be completed:** 6/30/2022 Work Plan

Interactive Water Resource Programs for Planetariums Minnesota Subd. 05c \$500,000 TF (FY2018)

Sally Brummel U of MN - Bell Museum of Natural History 10 Church St SE Minneapolis, MN 55455 Phone: (612) 624-8146 Email: <u>sbrummel@umn.edu</u> Web: http://www.bellmuseum.umn.edu

#### **Appropriation Language**

\$500,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota, Bell Museum of Natural History, to create an interactive planetarium program on water resources, reaching approximately 400,000 citizens statewide through the Bell Museum Planetarium, St. Paul Public Schools, Mayo High School, Mankato East High School, Southwest Minnesota State University, Minnesota State University Moorhead, and University of Minnesota Duluth. This appropriation is available until June 30, 2022, by which time the project must be completed and final products delivered. Project due to be completed: 6/30/2022 Work Plan

Expanding Raptor Center Online Education Subd. 05d \$270,000 TF (FY2018)

Julia Ponder U of MN 1920 Fitch Ave St. Paul, MN 55108 Phone: (612) 624-3431 Email: <u>ponde003@umn.edu</u> Web: <u>http://www.TheRaptorCenter.org</u>

#### **Appropriation Language**

\$270,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota, Raptor Center, to provide environmental education for approximately 15,000 middle-school students and 600 teachers, combining classroom learning and outdoor experiences with technology, scientific investigation of birds, and conservation projects. This appropriation is available until June 30, 2022, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2022 Work Plan

Local Planning and Implementation Efforts for Bird Habitat Subd. 05e \$280,000 TF (FY2018)

#### Joanna Eckles

Audubon Minnesota 1 Water St W, Ste 200 St. Paul, MN 55107 Phone: (651) 739-9332 Email: jeckles@audubon.org Web: http://mn.audubon.org/

#### **Appropriation Language**

\$280,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the National Audubon Society, Minnesota office, to engage approximately 60 communities and 400,000 citizens in bird habitat improvement through local planning and implementation efforts using the National Audubon Bird City program. 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

## Developing Youth Watershed Stewardship in Northwest Minnesota Subd. 05f \$121,000 TF (FY2018)

Annie Butler Ricks Headwaters Science Center 413 Beltrami Ave NW Bemidji, MN 56601 Phone: (218) 444-4472 Email: <u>director@hscbemidji.org</u> Web: http://www.hscbemidji.org/

## **Appropriation Language**

\$121,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Headwaters Science Center to accelerate a multiyear environmental science club for middle-school students focused on water quality, watershed evaluation, and aquatic invasive species in northwestern Minnesota. 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

## Increasing Residential Environmental Learning Center Opportunities Subd. 05g \$130,000 TF (FY2018)

## Bryan Wood

Audubon Center of the North Woods 54165 Audubon Dr, PO Box 530 Sandstone, MN 55072 Phone: (320) 245-2648 Email: <u>bwood@audubon-center.org</u> Web: <u>http://www.audubon-center.org</u>

#### **Appropriation Language**

\$130,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Audubon Center of the North Woods to provide scholarship opportunities for a minimum of 1,000 students that are not currently served through other residential environmental education learning centers. 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

#### Subd. 06 Aquatic and Terrestrial Invasive Species

Aquatic Invasive Species Research Center - Phase II Subd. 06a \$2,700,000 TF (FY2017)

#### Nicholas Phelps

U of MN - MAISRC 135 Skok Hall, 2003 Upper Buford Circle St Paul, MN 55108 Phone: (612) 624-7450 Email: <u>phelp083@umn.edu</u> Web: <u>http://www.maisrc.umn.edu/</u>

#### **Appropriation Language**

\$2,700,000 in fiscal year 2017 is from the trust fund to the Board of Regents of the University of Minnesota to support the Minnesota Aquatic Invasive Species Research Center in finding solutions to Minnesota's aquatic invasive species problems through research, control, prevention, and early detection of existing and emerging aquatic invasive species threats. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered.

Project due to be completed: 6/30/2021 Work Plan

Emerald Ash Borer Biocontrol - Phase III Subd. 06b \$729,000 TF (FY2018) Jonathan Osthus Minnesota Department of Agriculture 625 Robert St N St. Paul, MN 55155 Phone: (651) 201-6248 Email: jonathan.osthus@state.mn.us Web: http://www.mda.state.mn.us/plants/pestmanagement/eab/eabbiocontrol.aspx

## **Appropriation Language**

\$729,000 the first year is from the trust fund to the commissioner of agriculture in cooperation with the Board of Regents of the University of Minnesota to implement biocontrol of emerald ash borer using a newly approved parasitic wasp, assess the impact of the statewide program, and engage citizen volunteers. 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 <u>Work Plan</u>

# Invasive Bighead Carp and Silver Carp and Native Fish Evaluation - Phase II Subd. 06c \$500,000 TF (FY2018)

## **Bradford Parsons**

MN DNR 1200 Warner Rd St. Paul, MN 55106 Phone: (651) 259-5789 Email: <u>bradford.parsons@state.mn.us</u> Web: <u>http://www.dnr.state.mn.us</u>

## **Appropriation Language**

\$500,000 the first year is from the trust fund to the commissioner of natural resources to continue invasive bighead and silver carp monitoring in the Mississippi River and tributaries through advanced acoustic telemetry and assess food chains to determine how native species might prevent invasive bighead and silver carp establishment. 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

# Adapting Stream Barriers to Remove Common Carp Subd. 06d \$301,000 TF (FY2018)

## **Przemyslaw Bajer**

U of MN - MAISRC 2003 Upper Buford Cir, 135 Skok Hall St. Paul, MN 55108 Phone: (612) 625-6722 Email: bajer003@umn.edu

## **Appropriation Language**

\$301,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to conduct field tests at existing barrier sites and laboratory experiments to adapt a technology to remove common carp from streams during carp spawning migrations in Minnesota. **Project due to be completed:** 6/30/2019 Work Plan

## Tactical Invasive Plant Management Plan Development Subd. 06e \$296,000 TF (FY2018)

Monika Chandler Minnesota Department of Agriculture 625 Robert St N St. Paul, MN 55155 Phone: (651) 201-6537 Email: monika.chandler@state.mn.us

## **Appropriation Language**

\$296,000 the first year is from the trust fund to the commissioner of agriculture in cooperation with the Board of Regents of the University of Minnesota to develop regional priorities and an interagency action plan for invasive plant management to protect and promote habitat and native species. 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

# Maximize Value of Water Impoundments to Wildlife Subd. 06f \$195,000 TF (FY2018)

Kristin Hall

Audubon Minnesota 1 Water St W, Ste 200 St. Paul, MN 55107 Phone: (651) 739-9332 Email: <u>khall@audubon.org</u> Web: <u>http://mn.audubon.org/</u>

## **Appropriation Language**

\$195,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the National Audubon Society, Minnesota office, to control invasive hybrid cattails in water impoundments to improve habitat quality for migrating and breeding birds. 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

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

Extraction of Solar Thermal Energy in Minnesota - RESEARCH Subd. 07a \$250,000 TF (FY2018)

Filippo Coletti U of MN - Dept. of Aerospace Engineering and Mechanics - SAFL 110 Union St SE Minneapolis, MN 55455 Phone: (612) 625-6694 Email: <u>fcoletti@umn.edu</u>

## **Appropriation Language**

\$250,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to develop

new solar particle receivers as a low-cost, high-efficiency, and clean technology to absorb, store, and utilize solar thermal energy. This appropriation is subject to Minnesota Statutes, section 116P.10. 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

Assessment of Urban Air Pollution Subd. 07b \$700,000 TF (FY2018)

Monika Vadali Minnesota Pollution Control Agency 520 Lafayette Rd St. Paul, MN 55155 Phone: (651) 757-2776 Email: <u>monika.vadali@state.mn.us</u>

## **Appropriation Language**

\$700,000 the first year is from the trust fund to the commissioner of the Pollution Control Agency to set up and operate a network of 250 air pollution sensors at 50 sites to monitor fine particles, ozone, nitrogen oxides, sulfur dioxide, and carbon monoxide in each zip code for the cities of Minneapolis and St. Paul to assess variability of urban air pollution. 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

Generation, Storage, and Utilization of Solar Energy Subd. 07c \$500,000 TF (FY2018)

## **Bradley Heins**

U of MN - West Central Research and Outreach Center in Morris 46352 State Hwy 329 Morris, MN 56267 Phone: (320) 589-1711 Email: <u>hein0106@umn.edu</u> Web: <u>http://wcroc.cfans.umn.edu/research-programs/dairy</u>

## **Appropriation Language**

\$500,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota, West Central Research and Outreach Center, Morris, to develop and demonstrate an integrated facility to generate electricity, shade dairy cattle, and provide energy storage and utilization from solar technologies at the West Central Research and Outreach Center, Morris. 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

District Heating with Renewable Biomass at Camp Ripley Training Center Subd. 07d \$1,000,000 TF (FY2018)

## Jay Brezinka

Department of Military Affairs 15000 Highway 115 Little Falls, MN 56345 Phone: (320) 616-2618

#### Email: jay.a.brezinka.nfg@mail.mil

#### **Appropriation Language**

\$1,000,000 the first year is from the trust fund to the commissioner of military affairs to install a 5,000,000-BTU centralized biomass boiler system utilizing the forestry management at Camp Ripley. This appropriation must be matched by at least \$900,000 of nonstate money and must be committed by December 31, 2017. 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

# Geotargeted Distributed Clean Energy Initiative Subd. 07e \$800,000 TF (FY2018)

#### **Carl Nelson**

Center for Energy and Environment 212 Third Ave N, Ste 560 Minneapolis, MN 55401 Phone: (612) 335-5871 Email: <u>cnelson@mncee.org</u> Web: <u>http://www.mncee.org</u>

#### **Appropriation Language**

\$800,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Center for Energy and Environment. Of this amount, \$600,000 is for analysis of community-distributed clean energy investments as alternatives to utility capital investments for transmission and distribution upgrades to meet forecasted electrical loads, and \$200,000 is to conduct pilot programs using energy efficiency and other distributed energy resources to achieve forecasted electric energy loads in communities. The appropriation for pilot programs is contingent on a \$200,000 match of an equal or greater amount of nonstate money. 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

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

Optimizing the Nutrition of Roadside Plants for Pollinators Subd. 08a \$815,000 TF (FY2018)

Emilie Snell-Rood U of MN 1479 Gortner Ave, 140 Gortner Labs St. Paul, MN 55108 Phone: (612) 624-7238 Email: emilies@umn.edu Web: http://cbs.umn.edu/snell-rood-lab/home

#### **Appropriation Language**

\$815,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota in cooperation with the Departments of Agriculture, Natural Resources, and Transportation and the Board of Water and Soil Resources to produce site-specific recommendations for roadside plantings in Minnesota to maximize the nutritional health of native bees and monarch butterflies that rely on roadside habitat corridors. 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

Promoting Conservation Biocontrol of Beneficial Insects - RESEARCH Subd. 08b \$400,000 TF (FY2018)

Vera Krischik U of MN 1980 Folwell Ave, #219 St. Paul, MN 55108 Phone: (612) 625-7044 Email: <u>krisc001@umn.edu</u> Web: <u>http://www.entomology.umn.edu/cues</u>

## **Appropriation Language**

\$400,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to research integrated pest management strategies, including insecticide alternatives, and overwintering habitat sites to conserve beneficial insects, including bees, butterflies, and predator insects. The integrated pest management strategies will be used to develop best management practices to increase pollinator and beneficial insect diversity and abundance in various restored habitats. 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

# Evaluating the Use of Bison to Restore and Preserve Savanna Habitat - RESEARCH Subd. 08c \$388,000 TF (FY2018)

David Tilman

U of MN - Cedar Creek Ecosystem Science Reserve 2660 Fawn Lake Drive NE East Bethel, MN 55005 Phone: (612) 301-2601 Email: <u>tilman@umn.edu</u> Web: <u>http://www.cedarcreek.umn.edu</u>

## Appropriation Language

\$388,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota, Cedar Creek Ecosystem Science Reserve, to research combined bison grazing and fire management strategies to restore Minnesota's oak savanna ecosystems. 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

State Park Pollinator Habitat Restoration Subd. 08d \$672,000 TF (FY2018)

Edward Quinn MN DNR, Division of Parks and Trails 500 Lafayette Rd, Box 39 St. Paul, MN 55155 Phone: (651) 259-5594 Email: <u>edward.quinn@state.mn.us</u> Web: http://www.dnr.state.mn.us/index.html

#### **Appropriation Language**

\$672,000 the first year is from the trust fund to the commissioner of natural resources to restore at least 520 acres of monarch butterfly and other native pollinator habitats in at least seven state parks in the Minnesota Prairie Conservation Plan core areas and establish pollinator plantings and interpretive exhibits in at least ten state parks. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered.

Project due to be completed: 11/30/2020 Work Plan

# Enhancing Spawning Habitat Restoration in Minnesota Lakes - RESEARCH Subd. 08e \$294,000 TF (FY2018)

#### William Herb

U of MN - St. Anthony Falls Laboratory 2 Third Ave SE Minneapolis, MN 55414 Phone: (612) 624-5147 Email: <u>herb0003@umn.edu</u> Web: <u>http://www.safl.umn.edu/</u>

## **Appropriation Language**

\$294,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota, St. Anthony Falls Laboratory, in cooperation with the Department of Natural Resources to enhance efforts to increase natural reproduction of fish in Minnesota lakes by assessing wave energy impacts on near-shore spawning habitat. 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: 06/30/2020 Work Plan

## Prescribed Fire Management for Roadside Prairies Subd. 08f \$345,000 TF (FY2018)

#### Ken Graeve

Minnesota Department of Transportation 395 John Ireland Blvd St. Paul, MN 55155 Phone: (651) 366-3613

Email: kenneth.graeve@state.mn.us

#### **Appropriation Language**

\$345,000 the first year is from the trust fund to the commissioner of transportation to enhance the prescribed-fire program to manage roadsides to protect and increase biodiversity and pollinator habitat. 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:** 06/30/2020 <u>Work Plan</u>

## Minnesota Bee and Beneficial Species Habitat Restoration Subd. 08g \$732,000 TF (FY2018)

Steven Burdick Pheasants Forever Inc. 1783 Buerkle Cir St. Paul, MN 55110 Phone: (701) 200-3588 Email: <u>sburdick@pheasantsforever.org</u> Web: http://www.pheasantsforever.org

## **Appropriation Language**

\$732,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Pheasants Forever in cooperation with the University of Minnesota and the Minnesota Honey Producers Association to restore approximately 800 acres of permanently protected land to enhance bee, butterfly, beneficial insect, and grassland bird habitats. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered. **Project due to be completed:** 06/30/2021 Work Plan

# Mississippi and Vermillion River Restoration of Prairie, Savanna, and Forest Habitat - Phase Ten Subd. 08h \$213,000 TF (FY2018)

## Tom Lewanski

Friends of the Mississippi River 101 Est 5th Street, Suite 2000 St. Paul, MN 55101 Phone: (651) 222-2193 Email: <u>tlewanski@fmr.org</u> Web: <u>http://www.fmr.org</u>

## **Appropriation Language**

\$213,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Friends of the Mississippi River for continued implementation of the Metro Conservation Corridors partnership by improving at least 80 acres of habitat at approximately seven sites along the Mississippi River and Vermillion River corridors. Expenditures are limited to the identified project corridor areas as defined in the work plan. A list of proposed restoration sites must be provided as part of the required work plan. Plant and seed materials must follow the Board of Water and Soil Resources' native vegetation establishment and enhancement guidelines. 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: 06/30/2020 Work Plan

# Community Stewardship to Restore Urban Natural Resources - Phase Ten Subd. 08i \$524,000 TF (FY2018)

## Wiley Buck

Great River Greening 35 Water St W, Ste 201 St. Paul, MN 55107 Phone: (651) 665-9500 Email: <u>wbuck@greatrivergreening.org</u> Web: <u>http://www.greatrivergreening.org</u>

## **Appropriation Language**

\$524,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Great River Greening to work with volunteers for continued implementation of the Metro Conservation Corridors partnership to restore approximately 250 acres of forest, prairie, woodland, wetland, and shoreline throughout the greater Twin Cities metropolitan area. Expenditures are limited to the identified project corridor areas as defined

in the work plan. A list of proposed restoration sites and evaluations must be provided as part of the required work plan. Plant and seed materials must follow the Board of Water and Soil Resources' native vegetation establishment and enhancement guidelines. 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: 06/30/2020 Work Plan

# Economic Assessment of Precision Conservation and Agriculture Subd. 08j \$400,000 TF (FY2018)

## **Tanner Bruse**

Pheasants Forever Inc. 1783 Buerkle Circle St. Paul, MN 55110 Phone: (507) 337-9789 Email: tbruse@pheasantsforever.org

## **Appropriation Language**

\$400,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Pheasants Forever to demonstrate a new approach to promote conservation practices utilizing return-oninvestment analysis and identifying revenue-negative acres on agricultural land to assist farmers in implementing conservation practices that will provide environmental and economic benefits. 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:** 06/30/2020 Work Plan

# Conservation Reserve Enhancement Program (CREP) Outreach and Implementation Subd. 08k \$6,000,000 TF (FY2018)

## **Tabor Hoek**

Board of Water and Soil Resources 1400 East Lyon Street Marshall, MN 56258 Phone: (507) 537-7260 Email: tabor.hoek@state.mn.us

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

## **Appropriation Language**

\$6,000,000 the first year is from the trust fund to the Board of Water and Soil Resources to fund staff at soil and water conservation districts to assist landowners participating in the federal Conservation Reserve Enhancement Program. This appropriation is contingent upon receipt of federal funds for implementation. 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:** 06/30/2020 <u>Work Plan</u>

## Conservation Reserve Enhancement Program (CREP) Subd. 081 \$13,500,000 TF (FY2017 - \$2,729,000 / FY2018 - \$5,771,000 / FY2019 - \$5,000,000)

## **Dave Rickert**

Board of Water and Soil Resources 520 Lafayette Rd St. Paul, MN 55155 Phone: (651) 539-2569 Email: dave.rickert@state.mn.us

#### Web: http://www.bwsr.state.mn.us

#### **Appropriation Language**

\$2,729,000 in fiscal year 2017 and \$5,771,000 the first year and \$5,000,000 the second year are from the trust fund to the Board of Water and Soil Resources to acquire permanent conservation easements and restore land under Minnesota Statutes, section 103F.515. This work may be done in cooperation with the federal Conservation Reserve Enhancement Program. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered.

Project due to be completed: 06/30/2020 Work Plan

#### Subd. 09Land Acquisition, Habitat and Recreation

Metropolitan Regional Parks System Land Acquisition Subd. 09a \$1,500,000 TF (FY2018)

#### **Deborah Streets Jensen**

Metropolitan Council 390 Robert St N St. Paul, MN 55101 Phone: (651) 602-1554 Email: <u>deb.jensen@metc.state.mn.us</u> Web: <u>http://www.metrocouncil.org/parks/index.htm</u>

## **Appropriation Language**

\$1,500,000 the first year is from the trust fund to the Metropolitan Council for grants to acquire approximately 197 acres of land within the approved park boundaries of the metropolitan regional park system. This appropriation may not be used to purchase habitable residential structures. A list of proposed fee title 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, 2017. 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:** 06/30/2020 Work Plan

# Scientific and Natural Areas Acquisition, Restoration, Citizen Science and Engagement Subd. 09b \$2,500,000 TF (FY2018)

#### **Peggy Booth**

MN DNR, Division of Ecological & Water Resources 500 Lafayette Rd, Box 25 St. Paul, MN 55155 Phone: (651) 259-5088 Email: <u>peggy.booth@state.mn.us</u> Web: http://www.dnr.state.mn.us/snas/index.html

#### **Appropriation Language**

\$2,500,000 the first year is from the trust fund to the commissioner of natural resources to acquire at least 250 acres of land 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 1,000 acres of scientific and natural areas, and provide technical assistance and outreach, including site steward events. At least one-third of the appropriation must be spent on restoration activities. A list of proposed acquisitions and restorations 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. When feasible, consideration must be given to accommodate trails on lands acquired. 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: 06/30/2020 Work Plan

Minnesota State Parks and State Trails Land Acquisition Subd. 09c \$1,500,000 TF (FY2018)

Jennifer Christie MN DNR 500 Lafayette Rd, Box 25 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 approximately 373 acres from willing sellers 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, 2020, by which time the project must be completed and final products delivered.

Project due to be completed: 06/30/2020 Work Plan

## Minnesota State Trails Acquisition, Development and Enhancement Subd. 09d \$1,038,000 TF (FY2017 - \$999,000 / FY2018 - \$39,000)

# Kent Skaar

MN DNR, Division of Parks and Trails 500 Lafayette Rd, Box 25 St. Paul, MN 55155 Phone: (651) 259-5636 Email: <u>Kent.skaar@state.mn.us</u> Web: <u>http://www.mndnr.gov</u>

#### **Appropriation Language**

\$999,000 in fiscal year 2017 and \$39,000 the first year are from the trust fund to the commissioner of natural resources for state trail acquisition, development, and enhancement in southern Minnesota. A proposed list of trail projects on authorized state trails must be provided as part of the required work plan. 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:** 06/30/2020 Work Plan

Native Prairie Stewardship and Prairie Bank Easement Acquisition Subd. 09e \$2,675,000 TF (FY2018)

Judy Schulte MN DNR - SNA Program 1241 Bridge St E Redwood Falls, MN 56283 Phone: (507) 637-6016 Email: judy.schulte@state.mn.us Web: http://www.dnr.state.mn.us/snas/index.html

## **Appropriation Language**

\$2,675,000 the first year is from the trust fund to the commissioner of natural resources to acquire native prairie bank easements in accordance with Minnesota Statutes, section 84.96, on approximately 335 acres, prepare baseline property assessments, restore and enhance at least 570 acres of native prairie sites, and provide technical assistance to landowners. Of this amount, up to \$132,000 may 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, 2020, by which time the project must be completed and final products delivered. **Project due to be completed:** 06/30/2020 <u>Work Plan</u>

Leech Lake Acquisition Subd. 09f \$1,500,000 TF (FY2018)

## Levi Brown

Leech Lake Division of Resource Management 190 Sail Star Dr NE Cass Lake, MN 56633 Phone: (218) 335-7400 Email: <u>levib@lldrm.org</u> Web: <u>http://www.llojibwe.org/drm/index.html</u>

## **Appropriation Language**

\$1,500,000 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 acquire approximately 45 acres, including 0.67 miles of shoreline of high-quality aquatic and wildlife habitat at the historic meeting place between Henry Schoolcraft and the Anishinabe people. The land must be open to public use including hunting and fishing. The band must provide a commitment that land will not be put in a federal trust through the Bureau of Indian Affairs. **Project due to be completed:** 08/30/2017 Work Plan

Mesabi Trail Development Subd. 09g \$2,269,000 TF (FY2018)

## **Bob Manzoline**

St. Louis & Lake Counties Regional Railroad Authority 111 Station 44 Rd Eveleth, MN 55734 Phone: (218) 744-2653 Email: <u>bamnzoline@rrauth.com</u>

## **Appropriation Language**

\$2,269,000 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 engineering and constructing segments of the Mesabi Trail. 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: 06/30/2020 Work Plan

# Tower Trailhead Boat Landing and Habitat Improvement - Phase II Subd. 09h \$600,000 TF (FY2018)

Linda Keith City of Tower PO Box 576 Tower, MN 55790 Phone: (218) 753-4070 Email: linda@cityoftower.com

# **Appropriation Language**

\$600,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Tower to construct a trailhead and boat landing and restore vegetative habitat on city-owned property. Plant and seed materials must follow the Board of Water and Soil Resources' native vegetation establishment and enhancement guidelines. 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: 12/31/2019 Work Plan

# Land Acquisition for Voyageurs National Park Crane Lake Visitors Center Subd. 09i \$950,000 TF (FY2018)

Jim Janssen Town of Crane Lake PO Box 402 Crane Lake, MN 55725 Phone: (218) 993-1303 Email: <u>info@cranelaketwp.com</u> Web: <u>http://www.cranelaketwp.com</u>

# **Appropriation Language**

\$950,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the town of Crane Lake, in partnership with Voyageurs National Park and the Department of Natural Resources, to acquire approximately 30 acres to be used for a visitor center and campground. Income generated by the campground may be used to support the facility. **Project due to be completed:** 07/01/2018 Work Plan

Subd. 10Administration

Contract Agreement Reimbursement Subd. 10a \$135,000 TF (FY2018)

Katherine Sherman-Hoehn MN DNR 500 Lafayette Rd, Box 10 St. Paul, MN 55155 Phone: (651) 259-5533 Email: Katherine.Sherman-Hoehn@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:** 06/30/2019 **Work Plan** 

Legislative-Citizen Commission on Minnesota Resources (LCCMR) Subd. 10b \$1,200,000 TF (FY2018)

#### **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: <u>susan.thornton@lccmr.leg.mn</u> Web: <u>https://www.lccmr.leg.mn</u>

#### **Appropriation Language**

\$1,200,000 the first year is from the trust fund to the Legislative-Citizen Commission on Minnesota Resources for administration in fiscal years 2018 and 2019 as provided in Minnesota Statutes, section 116P.09, subdivision 5. **Project due to be completed:** 06/30/2019

## Legislative Coordinating Commission Legacy Website Subd. 10c \$5,000 TF (FY2018)

#### Sally Olson

Legislative Coordinating Commission 100 Rev Dr Martin Luther King Jr Blvd, Rm 72 St. Paul, MN 55155 Phone: (651) 296-9002 Email: <u>sally.olson@lcc.leg.mn</u> Web: <u>https://www.lccmr.leg.mn</u>

#### **Appropriation Language**

\$5,000 the first year is from the trust fund to the Legislative Coordinating Commission for the Web site required in Minnesota Statutes, section 3.303, subdivision 10. **Project due to be completed:** 06/30/2019