

M.L. 2018 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 (ENRTF). The Legislative-Citizen Commission on Minnesota Resources (LCCMR) selected 66 projects totaling \$45,828,000 to recommend to the 2018 Minnesota Legislature for funding from the ENRTF. The recommendations were the result of the LCCMR's 2018 Request for Proposal (RFP) process, in which 217 proposals requesting a total of approximately \$183 million were received and considered through a competitive, multi-stage evaluation process. The recommendations ranged from funding the full proposal and dollar amount requested to partial funding for specific proposal elements. On May 20, 2018 the legislature adopted 65 LCCMR recommendations, including three with reduced amounts, one with an increased amount, two added appropriations, and 8 new projects funded with appropriations bonds. On May 30, 2018, 67 appropriations totaling \$45,828,000 as M.L. 2018, Chapter 214, Article 4, from FY18 (\$89,000) and FY19 (\$45,739,000) and 8 projects totaling \$98,000,000 funded with appropriations bonds in M.L. 2018, Chapter 214, Article 6, Section 4 were signed into law by the Governor.

Minnesota Session Laws - 2018 , Chapter 214 (beginning July 1, 2018)

[Article 4, Section 2](#)

[Article 6, Section 4](#)

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 2018 Chapter 214, Article 4, Section 2

Subd. 03 Foundational Natural Resource Data and Information

County Geologic Atlases - Part A

Subd. 03a \$1,240,000 TF

Dale Setterholm

U of MN - MN Geological Survey

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Appropriation Language

\$1,240,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota, Minnesota Geological Survey, to continue producing county geologic atlases for the purpose of informed management of surface water and groundwater resources. This appropriation is to complete part A, which focuses on the properties and distribution of earth materials to define aquifer boundaries and the connection of aquifers to the land surface and surface water resources. 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](#)

Providing Critical Water-Quality Information for Lake Management

Subd. 03b \$250,000 TF

Jeffrey Peterson

U of MN

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Appropriation Language

\$250,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to develop a semiautomated system to acquire, process, and deliver new satellite-derived water-quality data in near real time on water clarity, algae, and turbidity for Minnesota lakes. 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: 6/30/2022 [Work Plan](#)

Minnesota Biodiversity Atlas - Phase 2

Subd. 03c \$350,000 TF

George Weiblen

U of MN - Bell Museum of Natural History

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Web: www.bellmuseum.umn.edu

Appropriation Language

\$350,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to expand the biodiversity atlas project by adding more than 800,000 records and images of Minnesota wildlife, plants, and fungi, including observations from state agencies and other museum collections, to enhance research, guide field surveys, and inform conservation planning. 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](#)

Peatland Forest Management

Subd. 03d \$600,000 TF

Marcella Windmuller-Campione

U of MN

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Web: <https://www.forestry.umn.edu/marcella-windmuller-campione>

Appropriation Language

\$600,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to identify management actions to maximize benefits to wildlife, water quality, timber production, and native plant communities in peatland forests. 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](#)

**Assessing Natural Resource Benefits Provided by Lichens and Mosses
Subd. 03e \$213,000 TF**

Daniel Stanton

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Appropriation Language

\$213,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to survey, map, and analyze mosses and lichens across the state, including their moisture-retention capacity, effects on hydrology, and ability to filter airborne pollutants. 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](#)

**Develop a System to Assess Wildlife Health Threats in Minnesota
Subd. 03f \$280,000 TF**

Kimberly VanderWaal

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Appropriation Language

\$280,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to develop a statewide information-management system that uses wildlife-rehabilitation data to identify emerging threats to wildlife health in Minnesota

Project due to be completed: 6/30/2020 [Work Plan](#)

**Conserving Minnesota's Forest Birds of Management Concern
Subd. 03g \$500,000 TF**

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Appropriation Language

\$500,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Natural Resources Research Institute in Duluth to identify forest-management actions and guidelines to conserve birds in Minnesota's forests. 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](#)

Mapping Avian Movement in Minnesota
Subd. 03h \$200,000 TF

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Duluth, MN 55811

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

Appropriation Language

\$200,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Natural Resources Research Institute in Duluth to pilot the establishment of a network of automated radio-telemetry stations to monitor bird migration and local movements and to develop strategic plans for using the infrastructure long term to monitor animal movement for conservation. 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](#)

Improve Trout-Stream Management by Understanding Variable Winter Thermal Conditions
Subd. 03i \$400,000 TF

Leonard Ferrington

U of MN
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Appropriation Language

\$400,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to identify how winter groundwater flows, air temperature, and streambed conditions affect insect productivity in order to guide restoration and management efforts in southeastern Minnesota trout streams. 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](#)

Develop Sonar Data Mapping on Three Rivers to Assess Suitability for Native Mussel Habitat
Subd. 03j \$200,000 TF

Nancy Duncan

National Park Service
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St. Paul, MN 55101

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Web: <https://www.nps.gov/miss/index.htm>

Appropriation Language

\$200,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with

the National Park Service to create high-resolution sonar data maps to identify critical native mussel habitat for the designated Lower St. Croix National Scenic Riverway and the Mississippi National River and Recreation Area including part of the Minnesota River.

Project due to be completed: 6/30/2020 [Work Plan](#)

Conserving Minnesota's Nine Species of Freshwater Turtles

Subd. 03k \$300,000 TF

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Minnesota Zoological Garden

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Apple Valley, MN 55124

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Appropriation Language

\$300,000 the second year is from the trust fund to the Minnesota Zoological Garden to improve the long-term viability of Minnesota's imperiled turtle populations by researching threats, identifying mitigation strategies, implementing mechanisms to reduce threats and mortality, and creating related outreach and educational materials. 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](#)

Subd. 04 Water Resources

Pilot Program to Optimize Local Mechanical and Pond Wastewater-Treatment Plants

Subd. 04a \$700,000 TF

Joel Peck

Minnesota Pollution Control Agency

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Appropriation Language

\$89,000 the first year and \$611,000 the second year are from the trust fund to the commissioner of the Minnesota Pollution Control Agency, in partnership with the Minnesota Rural Water Association and the University of Minnesota's Technical Assistance Program, to implement a pilot program to optimize existing local mechanical and pond wastewater-treatment systems to increase nutrient removal and improve efficiency without requiring costly upgrades.

Project due to be completed: 6/30/2020 [Work Plan](#)

Assess and Develop Strategies to Remove Microscopic Plastic-Particle Pollution from Minnesota Water

Subd. 04b \$300,000 TF

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U of MN

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Appropriation Language

\$300,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to assess, track, and develop methods to remove microscopic plastic particles that are dispersed and accumulating as pollution in Minnesota water bodies. This appropriation is subject to Minnesota Statutes, section 116P.10. 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](#)

**Reduce Chlorides in Minnesota Waters by Evaluating Road-Salt Alternatives and Pavement Innovations
Subd. 04c \$400,000 TF**

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Appropriation Language

\$400,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to investigate road-salt alternatives and pavement innovations to reduce lake, stream, and groundwater degradation caused by road-salt chlorides. 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](#)

**Protect Water Quality with Efficient Removal of Contaminants in Treatment Ponds for Storm Water
Subd. 04d \$325,000 TF**

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Appropriation Language

\$325,000 the second 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 evaluate the effectiveness of best management practices in removing contaminants from storm water to safeguard aquatic 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: 6/30/2021 [Work Plan](#)

**Develop Small and Inexpensive Purification System for Community Drinking Water
Subd. 04e \$425,000 TF**

Tianhong Cui

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Appropriation Language

\$425,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to develop a small and inexpensive purification-technology system for community drinking-water facilities to remove toxic contaminants, make water safe to drink, and improve drinking-water quality. This appropriation is subject to Minnesota Statutes, section 116P.10. 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](#)

Evaluate Emerging Pathogens in Lakes, Rivers, and Tap Water to Keep Drinking Water Safe

Subd. 04f \$325,000 TF

Timothy LaPara

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Appropriation Language

\$325,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to evaluate emerging pathogens including Legionella and mycobacteria to ensure that surface water used for drinking water and tap water is safe to drink. 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](#)

Characterize Unregulated Contaminants in Source Water and Drinking Water

Subd. 04g \$1,000,000 TF

Stephen Robertson

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Appropriation Language

\$1,000,000 the second year is from the trust fund to the commissioner of health to establish monitoring networks of public water-system wells and surface-water intakes to determine if contaminants persist after standard public water treatment. 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](#)

**Mapping Antibiotic Resistance in Minnesota to Help Protect Environmental, Animal, and Human Health
Subd. 04h \$750,000 TF**

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Appropriation Language

\$750,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to quantify and map antibiotic and antibiotic-resistance gene contamination in Minnesota waters and soils to identify locations in need of mitigation to protect environmental, animal, and human health. 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](#)

**Farmer-Led Expansion of Alfalfa Production to Increase Water Protection
Subd. 04i \$500,000 TF**

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Appropriation Language

\$500,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to develop a farmer-led, market-based working-lands approach to increase water protection in agricultural areas by targeted expansion of alfalfa production and development of methods to convert alfalfa to high-value bioproducts. 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](#)

**Using Perennial Grain Crops in Wellhead Protection Areas to Protect Groundwater
Subd. 04j \$250,000 TF**

Margaret Wagner

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Web: <https://www.mda.state.mn.us>

Appropriation Language

\$250,000 the second year is from the trust fund to the commissioner of agriculture to establish demonstration

plots of Kernza, a new intermediate perennial grain crop, to evaluate the potential to profitably reduce nitrate contamination of groundwater in vulnerable wellhead protection regions of Minnesota. Any income generated as part of this appropriation may be used to expand the project.

Project due to be completed: 6/30/2020 [Work Plan](#)

Implement a Pilot Credit-Trading System for Storm Water in Shell Rock River Watershed to Improve Water Quality

Subd. 04k \$300,000 TF

Courtney Christensen

Shell Rock River Watershed District

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Albert Lea, MN 56007

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

Appropriation Language

\$300,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Shell Rock River Watershed District to develop and implement a pilot water-quality credit-trading program for storm water that provides voluntary and cost-effective options to reduce pollution on a watershed scale.

Project due to be completed: 6/30/2020 [Work Plan](#)

Lake Agnes Treatment

Subd. 04I \$600,000 TF

Scott Gilbertson

Alexandria Lake Area Sanitary District (ALASD)

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Alexandria, MN 56308

Phone: 320-762-1135

Email: jbischoff@wenck.com

Appropriation Language

\$600,000 the second year is to the Board of Water and Soil Resources for a grant to the Alexandria Lake Area Sanitary District for lake management activities, including, but not limited to, alum treatment in Lake Agnes, carp removal in Lake Winona, and related management and reassessment measures that are intended to achieve and maintain compliance with water quality standards for phosphorus and the total maximum daily load for Lake Winona.

Project due to be completed: 6/30/2020 [Work Plan](#)

Subd. 05 Technical Assistance, Outreach, and Environmental Education

Prairie Sportsman Statewide Environmental Broadcasts and Videos

Subd. 05a \$300,000 TF

Cindy Dorn

Pioneer Public Television

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Appleton, MN 56265

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Email: cdorn@pioneer.org

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

Appropriation Language

\$300,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Pioneer Public Television to provide outreach on outdoor recreation, conservation, and natural resource issues, including water quality, wildlife habitat, and invasive species, through a series of interrelated educational and training videos and statewide broadcast television programs.

Project due to be completed: 6/30/2020 [Work Plan](#)

YES! Students Take on Minnesota Water-Quality Challenge

Subd. 05b \$213,000 TF

Shelli-Kae Foster

Prairie Woods Environmental Learning Center
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Spicer, MN 56288

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Web: www.youthenergysummit.org

Appropriation Language

\$213,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Prairie Woods Environmental Learning Center to expand the Youth Energy Summit (YES!) model to improve local waterways by training and mobilizing over 20 youth-led teams in Minnesota communities to complete 30 or more projects related to water quality including monitoring and reporting.

Project due to be completed: 6/30/2020 [Work Plan](#)

Get Outdoors After-School Training

Subd. 05c \$30,000 TF

Sara Holger

Project Get Outdoors Inc
PO Box 244
Wabasha, MN 55981

Phone: (507) 951-5885

Email: sara.grover@yahoo.com

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

Appropriation Language

\$30,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Project Get Outdoors to train and equip youth leaders at out-of-school youth organizations across Minnesota with knowledge, skills, and resources to incorporate outdoor nature activities into after-school programs for at least 6,000 children, including those from underserved populations.

Project due to be completed: 6/30/2020 [Work Plan](#)

Connecting Students with Water Stewardship through Hands-on Learning
Subd. 05d \$400,000 TF

John Lenczewski

Minnesota Trout Unlimited

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Email: jlenczewski@comcast.net

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

Appropriation Language

\$400,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Minnesota Trout Unlimited to engage students in classroom and outdoor hands-on learning focused on water quality, groundwater, aquatic life, and watershed stewardship and providing youth and their families with fishing experiences. 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](#)

Expanding River Watch Program on the Minnesota River With High School Teams
Subd. 05e \$100,000 TF

Ted Suss

Friends of the Minnesota Valley

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Bloomington, MN 55438

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Appropriation Language

\$100,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Friends of the Minnesota Valley to expand a River Watch program on the Minnesota River to recruit at least 15 additional teams of high school students in monthly monitoring and reporting of water quality.

Project due to be completed: 6/30/2020 [Work Plan](#)

Pollinator Ambassadors Program for Gardens
Subd. 05f \$250,000 TF

Elaine Evans

U of MN

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Appropriation Language

\$250,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to increase knowledge of pollinators in gardens and yards and improve pollinator habitat by expanding outreach, training, and

tools for Minnesota communities as part of the Pollinator Ambassadors 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: 6/30/2021 [Work Plan](#)

Morris Prairie Pollinator Demonstration Area and Education

Subd. 05g \$550,000 TF

Steven Poppe

U of MN - Morris

WC Research and Outreach Ctr

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Web: <http://www.wcroc.cfans.umn.edu>

Appropriation Language

\$550,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the West Central Research and Outreach Center at Morris to restore 17 acres of native prairie for pollinators and to construct wayside shelters and kiosks along an existing trail to provide information to visitors on the importance of pollinators and native prairie ecosystems. 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](#)

Expanding Nature Knowledge and Experience with New Interactive Exhibits at North Mississippi Regional Park

Subd. 05h \$500,000 TF

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Minneapolis Parks and Recreation Board

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

Appropriation Language

\$500,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Minneapolis Park and Recreation Board to develop new interactive exhibits at North Mississippi Regional Park to encourage the approximately 326,000 annual visitors to better understand and explore the river and surrounding natural area.

Project due to be completed: 6/30/2020 [Work Plan](#)

Update International Wolf Center Exhibits

Subd. 05i \$1,000,000 TF

Rob Schultz

International Wolf Center

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Brooklyn Park, MN 55428

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Email: rob@wolf.org

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

Appropriation Language

\$1,000,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the International Wolf Center to design, construct, and install new interactive educational exhibits to help Minnesotans understand coexistence with the state's wolf populations and ongoing wolf- management efforts.

Project due to be completed: 6/30/2020 [Work Plan](#)

Expanding the State's Reuse Economy to Conserve Natural Resources

Subd. 05j \$275,000 TF

Steve Thomas

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Web: <https://www.reusemn.org/>

Appropriation Language

\$275,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with ReUSE Minnesota to provide outreach and technical assistance to communities and small businesses to create and expand opportunities for reusing, renting, and repairing consumer goods as an alternative to using new materials so solid-waste disposal and its impacts are measurably reduced and more local reuse jobs are created. Net income generated as part of this appropriation may be reinvested in the project if a plan for reinvestment is approved in the work plan.

Project due to be completed: 6/30/2020 [Work Plan](#)

Expand Materials Reuse and Recycling Jobs Program

Subd. 05k \$800,000 TF

Steve Thomas

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

Appropriation Language

\$665,000 the second 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 Community Development Corporation, and \$135,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Natural Resources Research Institute in Duluth to expand building deconstruction and material-reuse practices and jobs in partnership with counties, tribes, and municipalities statewide and to document the environmental, health, and economic benefits of these practices. Net income generated by Better Futures as part of this or a previous related appropriation from the environment and natural resources trust fund may be reinvested in the project if a plan for reinvestment is approved in the work plan.

Project due to be completed: 6/30/2020 [Work Plan](#)

Increase Diversity in Environmental Careers to Serve Minnesota's Changing Demographics
Subd. 05I \$550,000 TF

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Appropriation Language

\$550,000 the second year is from the trust fund to the commissioner of natural resources in cooperation with Conservation Corps Minnesota and Iowa to provide a college-to-work pathway for students of diversity to pursue natural resources careers through internships and mentorships with state agencies. 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](#)

Subd. 06 Aquatic and Terrestrial Invasive Species

Minnesota Invasive Terrestrial Plants and Pests Center - Phase 4

Subd. 06a \$3,500,000 TF

Robert Venette

U of MN - MITTPC

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Appropriation Language

\$3,500,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for high-priority research at the Invasive Terrestrial Plants and Pests Center to protect Minnesota's natural and agricultural resources from terrestrial invasive plants, pathogens, and pests as identified through the center's strategic prioritization process. 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](#)

Palmer Amaranth Detection and Eradication Continuation

Subd. 06b \$431,000 TF

Monika Chandler

Minnesota Department of Agriculture

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St. Paul, MN 55155

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Appropriation Language

\$431,000 the second year is from the trust fund to the commissioner of agriculture to continue to monitor, ground survey, and control Palmer amaranth primarily in conservation plantings and to develop and implement aerial-survey methods to prevent infestation and protect prairies, other natural areas, and agricultural crops.

Project due to be completed: 6/30/2020 [Work Plan](#)

Evaluate Control Methods for Invasive Hybrid Cattails

Subd. 06c \$131,000 TF

Steve Windels

Voyageurs National Park

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International Falls, MN 56649

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Appropriation Language

\$131,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Voyageurs National Park to evaluate the effectiveness of mechanical harvesting and managing muskrat populations to remove exotic hybrid cattails and restore fish and wildlife habitat in Minnesota wetlands. 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](#)

Developing RNA Interference to Control Zebra Mussels

Subd. 06d \$500,000 TF

Christopher Merkes

U.S. Geological Survey

2630 Fanta Reed Rd

La Crosse, WI 54603

Phone: (608) 781-6316

Email: cmerkes@usgs.gov

Web: <https://www.usgs.gov/staff-profiles/chris-m-merkes>

Appropriation Language

\$500,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the United States Geological Survey to develop a genetic control tool that exploits the natural process of RNA silencing to specifically target and effectively control zebra mussels without affecting other species or causing other nontarget effects. 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](#)

Install and Evaluate an Invasive Carp Deterrent for Mississippi River Locks and Dams

Subd. 06e \$998,000 TF

Peter Sorensen

U of MN - AIS Center

1980 Folwell Ave

St. Paul, MN 55108

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

Appropriation Language

\$998,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota in cooperation with the United States Army Corps of Engineers and the United States Fish and Wildlife Service to install, evaluate, and optimize a system in Mississippi River locks and dams to deter passage of invasive carp without negatively impacting native fish and to evaluate the ability of predator fish in the pools above the locks and dams to consume young carp. The project must conduct a cost comparison of equipment purchase versus lease options and choose the most effective option. 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](#)

Determining Risk of a Toxic Alga in Minnesota Lakes

Subd. 06f \$200,000 TF

Adam Heathcote

Science Museum of Minnesota - St. Croix Research Station

16910 152nd Street N

Marine on St. Croix, MN 55047

Phone: (651) 433-5953

Email: aheathcote@smm.org

Web: <https://www.smm.org/scwrs>

Appropriation Language

\$200,000 the second year is from the trust fund to the Science Museum of Minnesota for the St. Croix Watershed Research Station to determine the historical distribution, abundance, and toxicity of the invasive blue-green alga, *Cylindrospermopsis raciborskii*, in about 20 lakes across Minnesota and inform managers and the public about the alga's spread and health risks. 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](#)

Subd. 07 Air Quality and Renewable Energy

Develop Solar Window Concentrators for Electricity

Subd. 07a \$350,000 TF

Uwe Kortshagen

U of MN

111 Church St SE

Minneapolis, MN 55455

Phone: (612) 625-4028

Email: kortshagen@umn.edu

Appropriation Language

\$350,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to develop, evaluate, and optimize thin film silicon-based luminescent solar window concentrators in order to produce inexpensive, clean energy and reduce air pollution. This appropriation is subject to Minnesota Statutes, section 116P.10. 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](#)

**Demonstrations for Community-Scale Storage System for Renewable Energy
Subd. 07b \$550,000 TF**

Ellen Anderson

U of MN - I on E
1954 Buford Ave, 229 19th Avenue S
Minneapolis, MN 55455
Phone: (612) 625-1981
Email: ellena@umn.edu

Appropriation Language

\$550,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to install, demonstrate, and evaluate three community-scale storage systems for renewable energy and develop a guidebook on storing renewable energy for statewide use. 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](#)

**Develop Inexpensive Energy from Simple Roll-to-Roll Manufacturing
Subd. 07c \$300,000 TF**

Tianhong Cui

U of MN
111 Church St SE
Minneapolis, MN 55455
Phone: (612) 626-1636
Email: tcui@me.umn.edu

Appropriation Language

\$300,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to develop inexpensive, high-efficiency solar energy with simple roll-to-roll advanced manufacturing technology, using new materials such as perovskite to make solar cells. This appropriation is subject to Minnesota Statutes, section 116P.10. 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](#)

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

Nongame Wildlife Program Acceleration

Subd. 08a \$220,000 TF

Carrol Henderson

MN DNR
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St. Paul, MN 55155
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Web: <http://www.dnr.state.mn.us>

Appropriation Language

\$220,000 the second year is from the trust fund to the commissioner of natural resources to accelerate the nongame wildlife program including rare wildlife data collection, habitat management, collaborative land protection, conservation education, and a new emphasis on promoting nature tourism to benefit wildlife, visitors, and rural communities.

Project due to be completed: 6/30/2020 [Work Plan](#)

Develop BioMulch to Replace Plastic Soil Covering in Vegetable and Fruit Production to Increase Yield and Reduce Waste

Subd. 08b \$310,000 TF

Paulo Pagliari

U of MN - Lamberton

23669 130th Street

Lamberton, MN 56152

Phone: (507) 752-5065

Email: pagli005@umn.edu

Appropriation Language

\$310,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to develop and test the performance of biodegradable biomulch to increase yield, conserve water, suppress weeds and pests, add nutrients to the soil, and replace large amounts of nonrecyclable and nondegradable plastic used in vegetable and fruit production. 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](#)

Develop Market-Based Alternatives for Perennial Crops to Benefit Water Quality and Wildlife

Subd. 08c \$150,000 TF

Shawn Schottler

Science Museum of Minnesota

16910 152nd St N

Marine on St Croix, MN 55047

Phone: (651) 433-5953

Email: schottler@smm.org

Appropriation Language

\$150,000 the second year is from the trust fund to the Science Museum of Minnesota for the St. Croix Watershed Research Station to design and evaluate at least six market-based scenarios for perennial cropping systems in Minnesota, including technological and economic feasibility, and estimate their potential to improve water quality and provide wildlife habitat. 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](#)

Agricultural Weed Control Using Autonomous Mowers

Subd. 08d \$750,000 TF

Eric Buchanan

U of MN - Morris

46352 State Hwy 329

Morris, MN 56267

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Web: <http://renewables.morris.umn.edu/>

Appropriation Language

\$750,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the West Central Research and Outreach Center at Morris to design, integrate, and field-test new technology mowers to control weeds, reduce herbicide use, reduce energy costs, and improve native vegetation and forage quality on agricultural lands. This appropriation is subject to Minnesota Statutes, section 116P.10. 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](#)

Restoring Forests in Minnesota State Parks

Subd. 08e \$250,000 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

\$250,000 the second year is from the trust fund to the commissioner of natural resources to restore at least 255 acres of high-quality forests in state parks such as Itasca, Jay Cooke, and Forestville Mystery Cave State Parks and Greenleaf Lake State Recreation Area. 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](#)

Develop Strategies for Timber Harvest to Minimize Soil Impacts to Maintain Healthy and Diverse Forests

Subd. 08f \$200,000 TF

Robert Slesak

U of MN

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St. Paul, MN 55108

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Web: <https://www.forestry.umn.edu>

Appropriation Language

\$200,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to develop strategies and practical tools to minimize soil compaction and other impacts across a range of conditions during timber harvest to maintain timber availability, improve regeneration of diverse forests, and benefit wildlife habitat. 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](#)

**Restoring Wetland Invertebrates to Revive Wildlife Habitat
Subd. 08g \$400,000 TF**

Danelle Larson

MN DNR

102 23rd Street NE

Bemidji, MN 56601

Phone: (507) 313-9897

Email: danellelarson77@gmail.com

Appropriation Language

\$400,000 the second year is from the trust fund to the commissioner of natural resources to assess invertebrate amphipods in wetlands and explore stocking them as a valuable food source for ducks and other wildlife in the Prairie Pothole Region of the state. 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](#)

Preserving Minnesota's Native Orchids - Phase 2

Subd. 08h \$259,000 TF

David Remucal

U of MN - Landscape Arboretum

3675 Arboretum Dr

Chaska, MN 55318

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Web: www.arboretum.umn.edu

Appropriation Language

\$259,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Minnesota Landscape Arboretum to expand collection and preservation efforts to enable long-term conservation of at least 25 of the 48 native orchid species in Minnesota and to continue propagation and cultivation research. 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](#)

Subd. 09 Land Acquisition, Habitat, and Recreation

Grants for Local Parks, Trails, and Natural Areas

Subd. 09a \$2,000,000 TF

Audrey Mularie

MN DNR

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St. Paul, MN 55155

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

Appropriation Language

\$2,000,000 the second year is from the trust fund to the commissioner of natural resources to solicit, rank, and fund competitive matching grants for local parks, trail connections, and natural and scenic areas under Minnesota Statutes, section 85.019. The appropriation is for local nature-based recreation and connections to regional and state natural areas and recreation facilities and does not include athletic facilities such as sport fields, courts, and playgrounds. 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](#)

Develop Mesabi Trail Segment From County Road 88 to Ely

Subd. 09b \$600,000 TF

Bob Manzoline

St. Louis & Lake Counties Regional Railroad Authority

111 Station Rd

Eveleth, MN 55734

Phone: (218) 744-2653

Email: bmanzoline@rrauth.com

Appropriation Language

\$600,000 the second 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 environmental assessment, permitting, right-of-way easements or other acquisition as needed, engineering, and construction of an approximately three-mile-long bituminous surface section of the Mesabi Trail between Ely and the intersection of Highway 169 and County Road 88. 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](#)

Harmony State Trail Extension Land Acquisition

Subd. 09c \$235,000 TF

Jerome Illg

City of Harmony

225 3rd Ave SW, PO Box 488

Harmony, MN 55939

Phone: (507) 886-8122

Email: cityoffice@harmony.mn.us

Web: <http://www.harmony.mn.us>

Appropriation Language

\$235,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Harmony to acquire fee title of about 16 parcels to allow for the approximate six-mile extension of the legislatively authorized state trail from Harmony south to the Iowa state border with a spur to Niagara Cave. The land must be transferred to the state after it has been purchased.

Project due to be completed: 6/30/2020 [Work Plan](#)

Mississippi Blufflands State Trail - Red Wing Barn Bluff to Colvill Park Segment

Subd. 09d \$550,000 TF

Jay Owens

City of Red Wing

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Red Wing, MN 55066
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Web: <http://www.red-wing.org>

Appropriation Language

\$550,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Red Wing to be used with other funds to construct an approximate three-quarter-mile-long hard-surfaced segment of the Mississippi Blufflands State Trail along Red Wing's Mississippi River riverfront from Barn Bluff Regional Park to Colvill Park. 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](#)

Swedish Immigrant Regional Trail Segment within Interstate State Park

Subd. 09e \$2,254,000 TF

Laird Mork

Chisago County
38694 Tanger Dr
North Branch, MN 55056
Phone: (612) 674-8919
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Appropriation Language

\$2,254,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Chisago County Environmental Services to construct an approximate one-half-mile regional county trail segment within Interstate State Park from the end point of the existing trail at the park boundary to city hall including a trail bridge over the ravine and parking and trailhead improvements and to conduct a natural and cultural review to determine the feasibility and route of a future section of the trail through the park. 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](#)

Enhancement Plan for Superior Hiking Trail

Subd. 09f \$100,000 TF

Denny Caneff

Superior Hiking Trail Association
731 Seventh Ave, PO Box 4
Two Harbors, MN 55616
Phone: (218) 834-2700
Email: hike@shta.org
Web: <http://www.shta.org>

Appropriation Language

\$100,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Superior Hiking Trail Association to evaluate improvements to the 310-mile-long Superior Hiking Trail including routing, safety, water management, maintenance, and other environmental, recreational, and design issues and to develop an interactive trail-management system to capture efficiencies and best management practices.

Project due to be completed: 6/30/2020 [Work Plan](#)

**Protecting Mississippi River Headwaters Lands through Local, State, and Federal Partnership
Subd. 09g \$700,000 TF**

Josh Doty

City of Baxter
13190 Memorywood Dr
Baxter, MN 56425

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Email: jdoty@baxtermn.gov

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

Appropriation Language

\$700,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Baxter, in cooperation with Brainerd Public Schools and the Camp Ripley Sentinel Landscape Program, to acquire about 200 acres of forested land on the upper Mississippi River adjacent to Mississippi River Overlook Park for multiple public benefits, including being an outdoor classroom for local schools. To be eligible for reimbursement, costs for real estate transactions must be specific to this acquisition and documented as required in subdivision 15, paragraph (k).

Project due to be completed: 6/30/2020 [Work Plan](#)

Protecting North-Central Minnesota Lakes

Subd. 09h \$750,000 TF

Sheila Boldt

Crow Wing Soil and Water Conservation District
322 Laurel St, Ste 13
Brainerd, MN 56401

Phone: (218) 828-6197

Email: sheila.boldt@crowwingswcd.org

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

Appropriation Language

\$750,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Crow Wing County Soil and Water Conservation District to increase watershed protection to maintain and improve water quality in lakes and rivers in Aitkin and Crow Wing Counties with about ten permanent RIM conservation easements and 12 forest stewardship plans and by implementing six best management practices. Of this amount, up to \$59,000 may be contributed to an easement stewardship account established under Minnesota Statutes, section 103B.103, as approved in the work plan.

Project due to be completed: 6/30/2020 [Work Plan](#)

Easement Program for Native Prairie Bank

Subd. 09i \$2,000,000 TF

Judy Schulte

MN DNR
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Redwood Falls, MN 56283

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

Appropriation Language

\$2,000,000 the second year is from the trust fund to the commissioner of natural resources to provide technical stewardship assistance to private landowners, restore and enhance about 270 acres of native prairie protected by easements in the native prairie bank, and acquire easements for the native prairie bank in accordance with Minnesota Statutes, section 84.96, on about 275 acres, including preparing initial baseline property assessments. Up to \$120,000 of this appropriation may be deposited in the natural resources conservation easement stewardship account, created in Minnesota Statutes, section 84.69, proportional to the number of easement acres acquired. A list of proposed easement acquisitions and restoration sites for the native prairie bank are required in the work plan. 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](#)

Minnesota State Trail Development

Subd. 09j \$2,500,000 TF

Kent Skaar

MN DNR

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Redwood Falls, MN 56283

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Email: kent.skaar@state.mn.us

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

Appropriation Language

\$2,500,000 the second year is from the trust fund to the commissioner of natural resources to expand high-priority recreational opportunities on Minnesota's state trails by developing new trail segments and rehabilitating, improving, and enhancing existing state trails. High-priority trail segments to develop and enhance include but are not limited to the Gateway, Gitchi Gami, Paul Bunyan, and Heartland State Trails. A proposed list of trail projects on legislatively authorized state trails is required in the work plan. 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](#)

Minnesota State Trail Development

Subd. 09k \$2,500,000 TF

Kent Skaar

MN DNR

1241 Bridge St E

Redwood Falls, MN 56283

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Email: kent.skaar@state.mn.us

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

Appropriation Language

\$2,500,000 the second year is from the trust fund to the commissioner of natural resources to acquire about 163 acres of high-priority in holdings from willing sellers within the legislatively authorized boundaries of state parks and trails in order to protect Minnesota's natural heritage, enhance outdoor recreational opportunities, and improve the efficiency of public land management. Priorities include but are not limited to Tettegouche, Sibley, and Minneopa State Parks and the Goodhue Pioneer State Trail. A list of proposed acquisitions is required in the

work plan. 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](#)

Scientific and Natural Areas Program

Subd. 09I \$3,250,000 TF

Ann Pierce

MN DNR

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St. Paul, MN 55155

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

Appropriation Language

\$3,250,000 the second year is from the trust fund to the commissioner of natural resources for the scientific and natural areas program. Of this amount, \$1,500,000 is for habitat restoration activities, \$500,000 is for scientific and natural areas public engagement and outreach, and \$1,250,000 is to acquire strategic high-quality lands that meet criteria for scientific and natural areas under Minnesota Statutes, section 86A.05, from willing sellers. A list of proposed acquisitions and restorations is required in the work plan. 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](#)

Subd. 10 Emerging Issues Account

Emerging Issues Account

Subd. 10 \$439,000 TF

Becca Nash

LCCMR

100 Rev Dr Martin Luther King Jr Blvd

St. Paul, MN 55155

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

Appropriation Language

\$439,000 the second 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: 6/30/2020

Subd. 11 Wastewater Treatment Recommendation

Wastewater Treatment System Grants

Subd. 11 \$0 TF

Public Facilities Authority (PFA)

Appropriation Language

Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up

to \$10,000,000 of the available money from the trust fund to match appropriations from the bond proceeds fund for wastewater infrastructure funding that exceed \$10,000,000 per year for expenditure by the Public Facilities Authority for wastewater treatment grants to home rule charter and statutory cities and towns with a population under 5,000. The grants must be issued under Minnesota Statutes, sections 446A.072 and 446A.073. The recommendations may include a technical assistance program for recipients eligible under this subdivision. The commission must work with the Public Facilities Authority in developing its recommendations. Any deadlines established by the commission for submission of proposals for the commission's fiscal year 2020 recommendations are waived until July 1, 2018, for proposals authorized under this subdivision.

Project due to be completed: N/A

Wastewater Treatment System Grants

Subd. 11b \$0 TF

Public Facilities Authority (PFA)

Appropriation Language

The commission must consider recommending up to five percent of the corpus of the trust fund for loans to the Public Facilities Authority to issue loans under Minnesota Statutes, section 446A.07, to home rule charter and statutory cities and towns with a population under 5,000.

Project due to be completed: N/A

Subd. 12.Contract Agreement Reimbursement

Contract Agreement Reimbursement

Subd. 12 \$135,000 TF

Katherine Sherman-Hoehn

MN DNR

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St. Paul, MN 55155

Phone: (651) 259-5533

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

Appropriation Language

\$135,000 the second 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 preparing and administering contracts for the agreements specified in this section. The commissioner must provide documentation to the Legislative-Citizen Commission on Minnesota Resources on the expenditure of these funds.

Project due to be completed: 6/30/2020 [Work Plan](#)

MN Laws 2018, Chapter 214, Article 6, Section 4

FY2019 Debt Service on Appropriations Bonds

Subd. 04 \$2,940,000 TF

Minnesota Management and Budget (MMB)

Appropriation Language

Up to \$2,940,000 is appropriated in fiscal year 2019 and up to \$7,840,000 is appropriated each fiscal year beginning in fiscal year 2020 and through fiscal year 2039, from the environment and natural resources trust fund

to the commissioner of management and budget to pay principal and interest on appropriation bonds issued under this section, as provided in Minnesota Statutes, section 16A.969, subdivision 7.

Project due to be completed: 6/30/2020

MN Laws 2018, Chapter 214, Article 6, Section 4

Natural Resources Asset Preservation

Subd. 05-1 \$3,419,000 TF

David C. Johnson

MN DNR

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St. Paul, MN 55155

Phone: (651) 259-5501

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

Appropriation Language

For the renovation of state -owned facilities and recreational assets within units of the outdoor recreation system classified under Minnesota Statutes, section 86A.05, operated by the commissioner of natural resources to be spent in accordance with Minnesota Statutes, section 84.946. Notwithstanding Minnesota Statutes, section 84.946, the commissioner may use this appropriation to replace buildings if, considering the embedded energy in the building, that is the most energy-efficient and carbon reducing method of renovation.

Project due to be completed: 6/30/2022 [Work Plan](#)

Elk River - Lake Orono

Subd. 05-2 \$1,500,000 TF

Brandon Wisner

City of Elk River

13065 Orono Pkwy

Elk River, MN 55330

Phone: (763) 635-1000

Email: bwisner@elkrivernm.gov

Web: <https://www.elkrivernm.gov/1569/Lake-Orono-Restoration-and-Enhancement>

Appropriation Language

For a grant to the city of Elk River to Dredge Lake Orono.

Project due to be completed: 6/30/2022 [Work Plan](#)

South St. Paul - Seidl's Lake

Subd. 05-3 \$781,000 TF

Chris Hartzell

City of South St. Paul

125 3rd Avenue North

South St. Paul, MN 55075

Phone: (651) 554-3210

Email: chartzell@southstpaul.org

Web: <https://www.southstpaul.org>

Appropriation Language

For a grant to the city of South St. Paul for capital improvements to improve the water quality of Seidl's Lake. The capital improvements include design, engineering, construction, and equipping of a storm water lift station to discharge excess storm water into the city of South St. Paul's storm sewer system to minimize the fluctuating water levels of the lake. This project would be implemented jointly by the cities of South St. Paul, Inver Grove Heights, and West St. Paul.

Project due to be completed: 6/30/2022 [Work Plan](#)

**Anoka County-Waste Disposal Engineering (WDE) Closed Landfill Cleanup
Subd. 06-1 \$6,000,000 TF****Jamie Wallerstedt**

Minnesota Pollution Control Agency
520 Lafayette Road
St. Paul, MN 55155

Phone: (651) 757-2094

Email: Jamie.Wallerstedt@state.mn.us

Web: <https://www.pca.state.mn.us/featured/cleaning-hazardous-waste-wde-landfill>

Appropriation Language

Notwithstanding Minnesota Statutes, section 116P.08, subdivision 2, to design and construct remedial systems, including cleanup and removal of a leaking hazardous waste pit and protection of groundwater, at the Waste Disposal Engineering site in Anoka County in accordance with the closed landfill program under Minnesota Statutes, sections 115B.39 to 115B.42.

Project due to be completed: 6/30/2019 [Work Plan](#)

**Lake Redwood Reclamation
Subd. 06-2 \$7,300,000 TF****Kerry Netzke**

Redwood-Cottonwood Rivers Control Area (RCRCA)
1424 E. College Drive, Suite 300
Marshall, MN 56258

Phone: (507) 532-1325

Email: kerry.netzke@rcrca.com

Web: <https://www.rcrca.com>

Appropriation Language

For a grant to the Redwood-Cottonwood Rivers Control Area, a joint powers entity, to predesign, design, construct, and equip the reservoir reclamation and enhancement of the 66-acre Lake Redwood Reservoir, to remove approximately 650,000 cubic yards of sediment and increase its depth from approximately 2.8 feet to 20 feet in order to secure renewable energy capacity of the hydroelectric dam which is impeded by lack of water capacity, reduce the flow of pollutants to the Minnesota River, and increase fish habitat and enhance recreational opportunities.

Project due to be completed: 6/30/2022 [Work Plan](#)

**Reinvest in Minnesota (RIM) Reserve Program
Subd. 07 \$7,300,000 TF****Dave Rickert**

Minnesota Board of Water and Soil Resources

520 Lafayette Road North
St. Paul, MN 55155

Phone: (651) 539-2569

Email: dave.rickert@state.mn.us

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

Appropriation Language

(a) To acquire conservation easements from landowners to preserve, restore, create, and enhance wetlands and associated uplands of prairie and grasslands, and restore and enhance rivers and streams, riparian lands, and associated uplands of prairie and grasslands in order to protect soil and water quality, support fish and wildlife habitat, reduce flood damage, and provide other public benefits. The provisions of Minnesota Statutes, section 103F.515, apply to this program.

(b) The board shall give priority to leveraging federal money by enrolling targeted new lands or enrolling environmentally sensitive lands that have expiring federal conservation agreements.

(c) The board is authorized to enter into new agreements and amend past agreements with landowners as required by Minnesota Statutes, section 103F.515, subdivision 5, to allow for restoration.

(d) Of this appropriation, up to five percent may be used for restoration, rehabilitation, and enhancement; and no more than \$1,000,000 may be used to acquire working lands easements.

Project due to be completed: 6/30/2022 [Work Plan](#)

Public Facilities Authority

Subd. 08 \$59,000,000 TF

Jeff Freeman

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Appropriation Language

(1) State Match for Federal Grants - \$6,000,000

To match federal grants for the clean water revolving fund for wastewater treatment under Minnesota Statutes, section 446A.07. This appropriation must be used for qualified capital projects.

(2) Water Infrastructure Funding Program - \$14,652,000

For grants to eligible municipalities under the wastewater infrastructure funding program under Minnesota Statutes, section 446A.072, for wastewater projects listed on the Pollution Control Agency's project priority list in the fundable range under the clean water revolving fund program.

(3) Point Source Implementation Grants Program - \$38,348,000

For grants to eligible municipalities under the point source implementation grants program under Minnesota Statutes, section 446A.073. This appropriation must be used for qualified capital projects.

Project due to be completed: 6/30/2022 [Work Plan](#)

Metropolitan Regional Parks and Trails Capital Improvements

Subd. 09 \$10,000,000 TF

Deb Jensen

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Appropriation Language

For the cost of improvements and betterments of a capital nature and acquisition by the council and local government units of regional recreational open-space lands in accordance with the council's policy plan as provided in Minnesota Statutes, section 473.147. This appropriation must not be used to purchase easements.

Project due to be completed: 6/30/2022