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State of Minnesota

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HOUSE OF REPRESENTATIVES

NINETIETH SESSION

H. F. No. 3352

03/05/2018 Authored by Heintzeman, Ecklund and Lueck
The bill was read for the first time and referred to the Committee on Environment and Natural Resources Policy and Finance
03/29/2018 Adoption of Report: Amended and re-referred to the Committee on Ways and Means
05/18/2018 Adoption of Report: Placed on the General Register as Amended
Read for the Second Time

1.1 A bill for an act
1.2 relating to natural resources; appropriating money from environment and natural
1.3 resources trust fund; correcting previous appropriations; requiring notice to local
1.4 government for certain land acquisitions; providing for lake management in
1.5 Alexandria Lake Area Sanitary District; amending Minnesota Statutes 2016, section
1.6 116P.08, by adding a subdivision; Laws 2015, chapter 76, section 2, subdivision
1.7 9; Laws 2017, chapter 96, section 2, subdivision 8.

1.8 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:

1.9 Section 1. APPROPRIATIONS.

1.10 The sums shown in the columns marked "Appropriations" are appropriated to the agencies
1.11 and for the purposes specified in this act. The appropriations are from the environment and
1.12 natural resources trust fund, or another named fund, and are available for the fiscal years
1.13 indicated for each purpose. The figures "2018" and "2019" used in this act mean that the
1.14 appropriations listed under them are available for the fiscal year ending June 30, 2018, or
1.15 June 30, 2019, respectively. "The first year" is fiscal year 2018. "The second year" is fiscal
1.16 year 2019. "The biennium" is fiscal years 2018 and 2019. Appropriations for fiscal year
1.17 2018 are effective the day following final enactment.

Table with 2 columns: 2018, 2019. Header: APPROPRIATIONS Available for the Year Ending June 30

1.22 Sec. 2. MINNESOTA RESOURCES

1.23 Subdivision 1. Total Appropriation \$ 89,000 \$ 45,042,000

1.24 The amounts that may be spent for each
1.25 purpose are specified in the following

2.1 subdivisions. Appropriations are available for
 2.2 two years beginning July 1, 2018, unless
 2.3 otherwise stated in the appropriation. Any
 2.4 unencumbered balance remaining in the first
 2.5 year does not cancel and is available for the
 2.6 second year or until the end of the
 2.7 appropriation.

2.8 **Subd. 2. Definition**

2.9 "Trust fund" means the Minnesota
 2.10 environment and natural resources trust fund
 2.11 established under the Minnesota Constitution,
 2.12 article XI, section 14.

2.13 **Subd. 3. Foundational Natural Resource Data**
 2.14 **and Information**

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7,293,000

2.15 **(a) County Geologic Atlases - Part A**

2.16 \$2,500,000 the second year is from the trust
 2.17 fund to the Board of Regents of the University
 2.18 of Minnesota, Minnesota Geological Survey,
 2.19 to continue producing county geologic atlases
 2.20 for the purpose of informed management of
 2.21 surface water and groundwater resources. This
 2.22 appropriation is to complete part A, which
 2.23 focuses on the properties and distribution of
 2.24 earth materials to define aquifer boundaries
 2.25 and the connection of aquifers to the land
 2.26 surface and surface water resources. This
 2.27 appropriation is available until June 30, 2022,
 2.28 by which time the project must be completed
 2.29 and final products delivered.

2.30 **(b) County Geologic Atlases - Part B**

2.31 \$1,500,000 the second year is from the trust
 2.32 fund to the commissioner of natural resources
 2.33 to continue producing county geologic atlases
 2.34 for the purpose of informed management of
 2.35 surface water and groundwater resources for

3.1 drinking water and other purposes. This
3.2 appropriation is to complete part B, which
3.3 uses the geologic formations mapped in part
3.4 A of the county geologic atlas project to
3.5 characterize the potential water yields of
3.6 aquifers and their sensitivity to contamination.
3.7 This appropriation is available until June 30,
3.8 2021, by which time the project must be
3.9 completed and final products delivered.

3.10 **(c) Providing Critical Water-Quality**
3.11 **Information for Lake Management**

3.12 \$250,000 the second year is from the trust
3.13 fund to the Board of Regents of the University
3.14 of Minnesota to develop a semiautomated
3.15 system to acquire, process, and deliver new
3.16 satellite-derived water-quality data in near real
3.17 time on water clarity, algae, and turbidity for
3.18 Minnesota lakes. This appropriation is
3.19 available until June 30, 2021, by which time
3.20 the project must be completed and final
3.21 products delivered.

3.22 **(d) Minnesota Biodiversity Atlas - Phase 2**

3.23 \$350,000 the second year is from the trust
3.24 fund to the Board of Regents of the University
3.25 of Minnesota to expand the biodiversity atlas
3.26 project by adding more than 800,000 records
3.27 and images of Minnesota wildlife, plants, and
3.28 fungi, including observations from state
3.29 agencies and other museum collections, to
3.30 enhance research, guide field surveys, and
3.31 inform conservation planning. This
3.32 appropriation is available until June 30, 2021,
3.33 by which time the project must be completed
3.34 and final products delivered.

3.35 **(e) Peatland Forest Management**

4.1 \$600,000 the second year is from the trust
4.2 fund to the Board of Regents of the University
4.3 of Minnesota to identify management actions
4.4 to maximize benefits to wildlife, water quality,
4.5 timber production, and native plant
4.6 communities in peatland forests. This
4.7 appropriation is available until June 30, 2022,
4.8 by which time the project must be completed
4.9 and final products delivered.

4.10 **(f) Assessing Natural Resource Benefits Provided**
4.11 **by Lichens and Mosses**

4.12 \$213,000 the second year is from the trust
4.13 fund to the Board of Regents of the University
4.14 of Minnesota to survey, map, and analyze
4.15 mosses and lichens across the state, including
4.16 their moisture-retention capacity, effects on
4.17 hydrology, and ability to filter airborne
4.18 pollutants. This appropriation is available until
4.19 June 30, 2021, by which time the project must
4.20 be completed and final products delivered.

4.21 **(g) Develop a System to Assess Wildlife Health**
4.22 **Threats in Minnesota**

4.23 \$280,000 the second year is from the trust
4.24 fund to the Board of Regents of the University
4.25 of Minnesota to develop a statewide
4.26 information-management system that uses
4.27 wildlife-rehabilitation data to identify
4.28 emerging threats to wildlife health in
4.29 Minnesota.

4.30 **(h) Conserving Minnesota's Forest Birds of**
4.31 **Management Concern**

4.32 \$500,000 the second year is from the trust
4.33 fund to the Board of Regents of the University
4.34 of Minnesota for the Natural Resources
4.35 Research Institute in Duluth to identify
4.36 forest-management actions and guidelines to

5.1 conserve birds in Minnesota's forests. This
5.2 appropriation is available until June 30, 2021,
5.3 by which time the project must be completed
5.4 and final products delivered.

5.5 **(i) Mapping Avian Movement in Minnesota**

5.6 \$200,000 the second year is from the trust
5.7 fund to the Board of Regents of the University
5.8 of Minnesota for the Natural Resources
5.9 Research Institute in Duluth to pilot the
5.10 establishment of a network of automated
5.11 radio-telemetry stations to monitor bird
5.12 migration and local movements and to develop
5.13 strategic plans for using the infrastructure long
5.14 term to monitor animal movement for
5.15 conservation. This appropriation is available
5.16 until June 30, 2021, by which time the project
5.17 must be completed and final products
5.18 delivered.

5.19 **(j) Improve Trout-Stream Management by**
5.20 **Understanding Variable Winter Thermal**
5.21 **Conditions**

5.22 \$400,000 the second year is from the trust
5.23 fund to the Board of Regents of the University
5.24 of Minnesota to identify how winter
5.25 groundwater flows, air temperature, and
5.26 streambed conditions affect insect productivity
5.27 in order to guide restoration and management
5.28 efforts in southeastern Minnesota trout
5.29 streams. This appropriation is available until
5.30 June 30, 2021, by which time the project must
5.31 be completed and final products delivered.

5.32 **(k) Conserving Minnesota's Nine Species of**
5.33 **Freshwater Turtles**

5.34 \$300,000 the second year is from the trust
5.35 fund to the Minnesota Zoological Garden to
5.36 improve the long-term viability of Minnesota's

6.1 imperiled turtle populations by researching
 6.2 threats, identifying mitigation strategies,
 6.3 implementing mechanisms to reduce threats
 6.4 and mortality, and creating related outreach
 6.5 and educational materials. This appropriation
 6.6 is available until June 30, 2021, by which time
 6.7 the project must be completed and final
 6.8 products delivered.

6.9 **(l) Develop Sonar Data Mapping on Three**
 6.10 **Rivers to Assess Suitability for Native Mussel**
 6.11 **Habitat**

6.12 \$200,000 the second year is from the trust
 6.13 fund to the commissioner of natural resources
 6.14 for an agreement with the National Park
 6.15 Service to create high-resolution sonar data
 6.16 maps to identify critical native mussel habitat
 6.17 for the designated Lower St. Croix National
 6.18 Scenic Riverway and the Mississippi National
 6.19 River and Recreation Area including part of
 6.20 the Minnesota River.

6.21	<u>Subd. 4. Water Resources</u>	<u>89,000</u>	<u>5,889,000</u>
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6.22 **(a) Pilot Program to Optimize Local Mechanical**
 6.23 **and Pond Wastewater-Treatment Plants**

6.24 \$89,000 the first year and \$714,000 the second
 6.25 year are from the trust fund to the
 6.26 commissioner of the Minnesota Pollution
 6.27 Control Agency, in partnership with the
 6.28 Minnesota Rural Water Association and the
 6.29 University of Minnesota's Technical
 6.30 Assistance Program, to implement a pilot
 6.31 program to optimize existing local mechanical
 6.32 and pond wastewater-treatment systems to
 6.33 increase nutrient removal and improve
 6.34 efficiency without requiring costly upgrades.

6.35 **(b) Assess and Develop Strategies to Remove**
 6.36 **Microscopic Plastic-Particle Pollution from**
 6.37 **Minnesota Water Bodies**

7.1 \$300,000 the second year is from the trust
7.2 fund to the Board of Regents of the University
7.3 of Minnesota to assess, track, and develop
7.4 methods to remove microscopic plastic
7.5 particles that are dispersed and accumulating
7.6 as pollution in Minnesota water bodies. This
7.7 appropriation is subject to Minnesota Statutes,
7.8 section 116P.10. This appropriation is
7.9 available until June 30, 2021, by which time
7.10 the project must be completed and final
7.11 products delivered.

7.12 **(c) Reduce Chlorides in Minnesota Waters by**
7.13 **Evaluating Road-Salt Alternatives and**
7.14 **Pavement Innovations**

7.15 \$400,000 the second year is from the trust
7.16 fund to the Board of Regents of the University
7.17 of Minnesota to investigate road-salt
7.18 alternatives and pavement innovations to
7.19 reduce lake, stream, and groundwater
7.20 degradation caused by road-salt chlorides. This
7.21 appropriation is available until June 30, 2021,
7.22 by which time the project must be completed
7.23 and final products delivered.

7.24 **(d) Protect Water Quality with Efficient**
7.25 **Removal of Contaminants in Treatment Ponds**
7.26 **for Storm Water**

7.27 \$325,000 the second year is from the trust
7.28 fund to the Board of Trustees of the Minnesota
7.29 State Colleges and Universities system for St.
7.30 Cloud State University to evaluate the
7.31 effectiveness of best management practices in
7.32 removing contaminants from storm water to
7.33 safeguard aquatic habitats. This appropriation
7.34 is available until June 30, 2021, by which time
7.35 the project must be completed and final
7.36 products delivered.

8.1 **(e) Develop Small and Inexpensive Purification**
8.2 **System for Community Drinking Water**

8.3 \$425,000 the second year is from the trust
8.4 fund to the Board of Regents of the University
8.5 of Minnesota to develop a small and
8.6 inexpensive purification-technology system
8.7 for community drinking-water facilities to
8.8 remove toxic contaminants, make water safe
8.9 to drink, and improve drinking-water quality.
8.10 This appropriation is subject to Minnesota
8.11 Statutes, section 116P.10. This appropriation
8.12 is available until June 30, 2021, by which time
8.13 the project must be completed and final
8.14 products delivered.

8.15 **(f) Evaluate Emerging Pathogens in Lakes,**
8.16 **Rivers, and Tap Water to Keep Drinking Water**
8.17 **Safe**

8.18 \$325,000 the second year is from the trust
8.19 fund to the Board of Regents of the University
8.20 of Minnesota to evaluate emerging pathogens
8.21 including Legionella and mycobacteria to
8.22 ensure that surface water used for drinking
8.23 water and tap water is safe to drink. This
8.24 appropriation is available until June 30, 2021,
8.25 by which time the project must be completed
8.26 and final products delivered.

8.27 **(g) Characterize Unregulated Contaminants in**
8.28 **Source Water and Drinking Water**

8.29 \$1,000,000 the second year is from the trust
8.30 fund to the commissioner of health to establish
8.31 monitoring networks of public water-system
8.32 wells and surface-water intakes to determine
8.33 if contaminants persist after standard public
8.34 water treatment. This appropriation is
8.35 available until June 30, 2022, by which time

9.1 the project must be completed and final
9.2 products delivered.

9.3 **(h) Mapping Antibiotic Resistance in Minnesota**
9.4 **to Help Protect Environmental, Animal, and**
9.5 **Human Health**

9.6 \$750,000 the second year is from the trust
9.7 fund to the Board of Regents of the University
9.8 of Minnesota to quantify and map antibiotic
9.9 and antibiotic-resistance gene contamination
9.10 in Minnesota waters and soils to identify
9.11 locations in need of mitigation to protect
9.12 environmental, animal, and human health. This
9.13 appropriation is available until June 30, 2021,
9.14 by which time the project must be completed
9.15 and final products delivered.

9.16 **(i) Farmer-Led Expansion of Alfalfa Production**
9.17 **to Increase Water Protection**

9.18 \$500,000 the second year is from the trust
9.19 fund to the Board of Regents of the University
9.20 of Minnesota to develop a farmer-led,
9.21 market-based working-lands approach to
9.22 increase water protection in agricultural areas
9.23 by targeted expansion of alfalfa production
9.24 and development of methods to convert alfalfa
9.25 to high-value bioproducts. This appropriation
9.26 is available until June 30, 2021, by which time
9.27 the project must be completed and final
9.28 products delivered.

9.29 **(j) Using Perennial Grain Crops in Wellhead**
9.30 **Protection Areas to Protect Groundwater**

9.31 \$250,000 the second year is from the trust
9.32 fund to the commissioner of agriculture to
9.33 establish demonstration plots of Kernza, a new
9.34 intermediate perennial grain crop, to evaluate
9.35 the potential to profitably reduce nitrate
9.36 contamination of groundwater in vulnerable

10.1 wellhead protection regions of Minnesota.

10.2 Any income generated as part of this

10.3 appropriation may be used to expand the

10.4 project.

10.5 **(k) Implement Pilot Credit-Trading System for**
 10.6 **Storm Water in Shell Rock River Watershed to**
 10.7 **Improve Water Quality**

10.8 \$300,000 the second year is from the trust

10.9 fund to the commissioner of natural resources

10.10 for an agreement with the Shell Rock River

10.11 Watershed District to develop and implement

10.12 a pilot water-quality credit-trading program

10.13 for storm water that provides voluntary and

10.14 cost-effective options to reduce pollution on

10.15 a watershed scale.

10.16 **(l) Lake Agnes Treatment**

10.17 \$600,000 the second year is to the Board of

10.18 Water and Soil Resources for a grant to the

10.19 Alexandria Lake Area Sanitary District for

10.20 lake management activities, including, but not

10.21 limited to, alum treatment in Lake Agnes, carp

10.22 removal in Lake Winona, and related

10.23 management and reassessment measures that

10.24 are intended to achieve and maintain

10.25 compliance with water quality standards for

10.26 phosphorus and the total maximum daily load

10.27 for Lake Winona.

10.28 **Subd. 5. Technical Assistance, Outreach, and**
 10.29 **Environmental Education**

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5,168,000

10.30 **(a) Prairie Sportsman Statewide Environmental**
 10.31 **Broadcasts and Videos**

10.32 \$300,000 the second year is from the trust

10.33 fund to the commissioner of natural resources

10.34 for an agreement with Pioneer Public

10.35 Television to provide outreach on outdoor

10.36 recreation, conservation, and natural resource

- 11.1 issues, including water quality, wildlife
11.2 habitat, and invasive species, through a series
11.3 of interrelated educational and training videos
11.4 and statewide broadcast television programs.
- 11.5 **(b) YES! Students Take on Minnesota Water-**
11.6 **Quality Challenge**
- 11.7 \$213,000 the second year is from the trust
11.8 fund to the commissioner of natural resources
11.9 for an agreement with Prairie Woods
11.10 Environmental Learning Center to expand the
11.11 Youth Energy Summit (YES!) model to
11.12 improve local waterways by training and
11.13 mobilizing over 20 youth-led teams in
11.14 Minnesota communities to complete 30 or
11.15 more projects related to water quality
11.16 including monitoring and reporting.
- 11.17 **(c) Get Outdoors After-School Training**
- 11.18 \$30,000 the second year is from the trust fund
11.19 to the commissioner of natural resources for
11.20 an agreement with Project Get Outdoors to
11.21 train and equip youth leaders at out-of-school
11.22 youth organizations across Minnesota with
11.23 knowledge, skills, and resources to incorporate
11.24 outdoor nature activities into after-school
11.25 programs for at least 6,000 children, including
11.26 those from underserved populations.
- 11.27 **(d) Connecting Students with Water**
11.28 **Stewardship through Hands-on Learning**
- 11.29 \$400,000 the second year is from the trust
11.30 fund to the commissioner of natural resources
11.31 for an agreement with Minnesota Trout
11.32 Unlimited to engage students in classroom and
11.33 outdoor hands-on learning focused on water
11.34 quality, groundwater, aquatic life, and
11.35 watershed stewardship and providing youth

12.1 and their families with fishing experiences.
12.2 This appropriation is available until June 30,
12.3 2021, by which time the project must be
12.4 completed and final products delivered.

12.5 **(e) Expanding River Watch Program on the**
12.6 **Minnesota River With High School Teams**

12.7 \$100,000 the second year is from the trust
12.8 fund to the commissioner of natural resources
12.9 for an agreement with Friends of the
12.10 Minnesota Valley to expand a River Watch
12.11 program on the Minnesota River to recruit at
12.12 least 15 additional teams of high school
12.13 students in monthly monitoring and reporting
12.14 of water quality.

12.15 **(f) Increase Diversity in Environmental Careers**
12.16 **to Serve Minnesota's Changing Demographics**

12.17 \$750,000 the second year is from the trust
12.18 fund to the commissioner of natural resources
12.19 in cooperation with Conservation Corps
12.20 Minnesota and Iowa to provide a
12.21 college-to-work pathway for students of
12.22 diversity to pursue natural resources careers
12.23 through internships and mentorships with state
12.24 agencies. This appropriation is available until
12.25 June 30, 2023, by which time the project must
12.26 be completed and final products delivered.

12.27 **(g) Pollinator Ambassadors Program for**
12.28 **Gardens**

12.29 \$250,000 the second year is from the trust
12.30 fund to the Board of Regents of the University
12.31 of Minnesota to increase knowledge of
12.32 pollinators in gardens and yards and improve
12.33 pollinator habitat by expanding outreach,
12.34 training, and tools for Minnesota communities
12.35 as part of the Pollinator Ambassadors program.
12.36 This appropriation is available until June 30,

13.1 2021, by which time the project must be
13.2 completed and final products delivered.

13.3 **(h) Morris Prairie Pollinator Demonstration**
13.4 **Area and Education**

13.5 \$550,000 the second year is from the trust
13.6 fund to the Board of Regents of the University
13.7 of Minnesota for the West Central Research
13.8 and Outreach Center at Morris to restore 17
13.9 acres of native prairie for pollinators and to
13.10 construct wayside shelters and kiosks along
13.11 an existing trail to provide information to
13.12 visitors on the importance of pollinators and
13.13 native prairie ecosystems. This appropriation
13.14 is available until June 30, 2021, by which time
13.15 the project must be completed and final
13.16 products delivered.

13.17 **(i) Expanding Nature Knowledge and**
13.18 **Experience with New Interactive Exhibits at**
13.19 **North Mississippi Regional Park**

13.20 \$500,000 the second year is from the trust
13.21 fund to the commissioner of natural resources
13.22 for an agreement with the Minneapolis Park
13.23 and Recreation Board to develop new
13.24 interactive exhibits at North Mississippi
13.25 Regional Park to encourage the approximately
13.26 326,000 annual visitors to better understand
13.27 and explore the river and surrounding natural
13.28 area.

13.29 **(j) Update International Wolf Center Exhibits**

13.30 \$1,000,000 the second year is from the trust
13.31 fund to the commissioner of natural resources
13.32 for an agreement with the International Wolf
13.33 Center to design, construct, and install new
13.34 interactive educational exhibits to help
13.35 Minnesotans understand coexistence with the

14.1 state's wolf populations and ongoing wolf-
14.2 management efforts.

14.3 **(k) Expanding the State's Reuse Economy to**
14.4 **Conserve Natural Resources**

14.5 \$275,000 the second year is from the trust
14.6 fund to the commissioner of natural resources
14.7 for an agreement with ReUSE Minnesota to
14.8 provide outreach and technical assistance to
14.9 communities and small businesses to create
14.10 and expand opportunities for reusing, renting,
14.11 and repairing consumer goods as an alternative
14.12 to using new materials so solid-waste disposal
14.13 and its impacts are measurably reduced and
14.14 more local reuse jobs are created. Net income
14.15 generated as part of this appropriation may be
14.16 reinvested in the project if a plan for
14.17 reinvestment is approved in the work plan.

14.18 **(l) Expand Materials Reuse and Recycling Jobs**
14.19 **Program**

14.20 \$665,000 the second year is from the trust
14.21 fund to the commissioner of natural resources
14.22 for an agreement with Better Futures
14.23 Minnesota, in cooperation with the Northwest
14.24 Indian Community Development Corporation,
14.25 and \$135,000 the second year is from the trust
14.26 fund to the Board of Regents of the University
14.27 of Minnesota for the Natural Resources
14.28 Research Institute in Duluth to expand
14.29 building deconstruction and material-reuse
14.30 practices and jobs in partnership with counties,
14.31 tribes, and municipalities statewide and to
14.32 document the environmental, health, and
14.33 economic benefits of these practices. Net
14.34 income generated by Better Futures as part of
14.35 this or a previous related appropriation from
14.36 the environment and natural resources trust

15.1 fund may be reinvested in the project if a plan
 15.2 for reinvestment is approved in the work plan.

15.3 **Subd. 6. Aquatic and Terrestrial Invasive Species** -0- 5,760,000

15.4 **(a) Minnesota Invasive Terrestrial Plants and**
 15.5 **Pests Center - Phase 4**

15.6 \$3,500,000 the second year is from the trust
 15.7 fund to the Board of Regents of the University
 15.8 of Minnesota for high-priority research at the
 15.9 Invasive Terrestrial Plants and Pests Center
 15.10 to protect Minnesota’s natural and agricultural
 15.11 resources from terrestrial invasive plants,
 15.12 pathogens, and pests as identified through the
 15.13 center's strategic prioritization process. This
 15.14 appropriation is available until June 30, 2023,
 15.15 by which time the project must be completed
 15.16 and final products delivered.

15.17 **(b) Palmer Amaranth Detection and Eradication**
 15.18 **Continuation**

15.19 \$431,000 the second year is from the trust
 15.20 fund to the commissioner of agriculture to
 15.21 continue to monitor, ground survey, and
 15.22 control Palmer amaranth primarily in
 15.23 conservation plantings and to develop and
 15.24 implement aerial-survey methods to prevent
 15.25 infestation and protect prairies, other natural
 15.26 areas, and agricultural crops.

15.27 **(c) Evaluate Control Methods for Invasive**
 15.28 **Hybrid Cattails**

15.29 \$131,000 the second year is from the trust
 15.30 fund to the commissioner of natural resources
 15.31 for an agreement with Voyageurs National
 15.32 Park to evaluate the effectiveness of
 15.33 mechanical harvesting and managing muskrat
 15.34 populations to remove exotic hybrid cattails
 15.35 and restore fish and wildlife habitat in
 15.36 Minnesota wetlands. This appropriation is

16.1 available until June 30, 2021, by which time
16.2 the project must be completed and final
16.3 products delivered.

16.4 **(d) Developing RNA Interference to Control**
16.5 **Zebra Mussels**

16.6 \$500,000 the second year is from the trust
16.7 fund to the commissioner of natural resources
16.8 for an agreement with the United States
16.9 Geological Survey to develop a genetic control
16.10 tool that exploits the natural process of RNA
16.11 silencing to specifically target and effectively
16.12 control zebra mussels without affecting other
16.13 species or causing other nontarget effects. This
16.14 appropriation is available until June 30, 2021,
16.15 by which time the project must be completed
16.16 and final products delivered.

16.17 **(e) Install and Evaluate an Invasive Carp**
16.18 **Deterrent for Mississippi River Locks and Dams**

16.19 \$998,000 the second year is from the trust
16.20 fund to the Board of Regents of the University
16.21 of Minnesota in cooperation with the United
16.22 States Army Corps of Engineers and the
16.23 United States Fish and Wildlife Service to
16.24 install, evaluate, and optimize a system in
16.25 Mississippi River locks and dams to deter
16.26 passage of invasive carp without negatively
16.27 impacting native fish and to evaluate the
16.28 ability of predator fish in the pools above the
16.29 locks and dams to consume young carp. The
16.30 project must conduct a cost comparison of
16.31 equipment purchase versus lease options and
16.32 choose the most effective option. This
16.33 appropriation is available until June 30, 2021,
16.34 by which time the project must be completed
16.35 and final products delivered.

17.1 **(f) Determining Risk of Toxic Alga in Minnesota**
 17.2 **Lakes**

17.3 \$200,000 the second year is from the trust
 17.4 fund to the Science Museum of Minnesota for
 17.5 the St. Croix Watershed Research Station to
 17.6 determine the historical distribution,
 17.7 abundance, and toxicity of the invasive
 17.8 blue-green alga, *Cylindrospermopsis*
 17.9 *raciborskii*, in about 20 lakes across Minnesota
 17.10 and inform managers and the public about the
 17.11 alga's spread and health risks. This
 17.12 appropriation is available until June 30, 2021,
 17.13 by which time the project must be completed
 17.14 and final products delivered.

17.15 **Subd. 7. Air Quality and Renewable Energy** -0- 350,000

17.16 **Develop Solar Window Concentrators for**
 17.17 **Electricity**

17.18 \$350,000 the second year is from the trust
 17.19 fund to the Board of Regents of the University
 17.20 of Minnesota to develop, evaluate, and
 17.21 optimize thin film silicon-based luminescent
 17.22 solar window concentrators in order to
 17.23 produce inexpensive, clean energy and reduce
 17.24 air pollution. This appropriation is subject to
 17.25 Minnesota Statutes, section 116P.10. This
 17.26 appropriation is available until June 30, 2021,
 17.27 by which time the project must be completed
 17.28 and final products delivered.

17.29 **Subd. 8. Methods to Protect or Restore Land,** -0- 2,969,000
 17.30 **Water, and Habitat**

17.31 **(a) Nongame Wildlife Program Acceleration**

17.32 \$1,000,000 the second year is from the trust
 17.33 fund to the commissioner of natural resources
 17.34 to accelerate the nongame wildlife program
 17.35 including rare wildlife data collection, habitat
 17.36 management, collaborative land protection,

18.1 conservation education, and a new emphasis
18.2 on promoting nature tourism to benefit
18.3 wildlife, visitors, and rural communities.

18.4 **(b) Develop Biomulch to Replace Plastic Soil**
18.5 **Covering in Vegetable and Fruit Production to**
18.6 **Increase Yield and Reduce Waste**

18.7 \$310,000 the second year is from the trust
18.8 fund to the Board of Regents of the University
18.9 of Minnesota to develop and test the
18.10 performance of biodegradable biomulch to
18.11 increase yield, conserve water, suppress weeds
18.12 and pests, add nutrients to the soil, and replace
18.13 large amounts of nonrecyclable and
18.14 nondegradable plastic used in vegetable and
18.15 fruit production. This appropriation is
18.16 available until June 30, 2021, by which time
18.17 the project must be completed and final
18.18 products delivered.

18.19 **(c) Develop Market-Based Alternatives for**
18.20 **Perennial Crops to Benefit Water Quality and**
18.21 **Wildlife**

18.22 \$150,000 the second year is from the trust
18.23 fund to the Science Museum of Minnesota for
18.24 the St. Croix Watershed Research Station to
18.25 design and evaluate at least six market-based
18.26 scenarios for perennial cropping systems in
18.27 Minnesota, including technological and
18.28 economic feasibility, and estimate their
18.29 potential to improve water quality and provide
18.30 wildlife habitat. This appropriation is available
18.31 until June 30, 2021, by which time the project
18.32 must be completed and final products
18.33 delivered.

18.34 **(d) Restoring Forests in Minnesota State Parks**

18.35 \$250,000 the second year is from the trust
18.36 fund to the commissioner of natural resources

19.1 to restore at least 255 acres of high-quality
19.2 forests in state parks such as Itasca, Jay Cooke,
19.3 and Forestville Mystery Cave State Parks and
19.4 Greenleaf Lake State Recreation Area. This
19.5 appropriation is available until June 30, 2023,
19.6 by which time the project must be completed
19.7 and final products delivered.

19.8 **(e) Develop Strategies for Timber Harvest to**
19.9 **Minimize Soil Impacts to Maintain Healthy and**
19.10 **Diverse Forests**

19.11 \$200,000 the second year is from the trust
19.12 fund to the Board of Regents of the University
19.13 of Minnesota to develop strategies and
19.14 practical tools to minimize soil compaction
19.15 and other impacts across a range of conditions
19.16 during timber harvest to maintain timber
19.17 availability, improve regeneration of diverse
19.18 forests, and benefit wildlife habitat. This
19.19 appropriation is available until June 30, 2022,
19.20 by which time the project must be completed
19.21 and final products delivered.

19.22 **(f) Restoring Wetland Invertebrates to Revive**
19.23 **Wildlife Habitat**

19.24 \$400,000 the second year is from the trust
19.25 fund to the commissioner of natural resources
19.26 to assess invertebrate amphipods in wetlands
19.27 and explore stocking them as a valuable food
19.28 source for ducks and other wildlife in the
19.29 Prairie Pothole Region of the state. This
19.30 appropriation is available until June 30, 2021,
19.31 by which time the project must be completed
19.32 and final products delivered.

19.33 **(g) Preserving Minnesota's Native Orchids -**
19.34 **Phase 2**

19.35 \$259,000 the second year is from the trust
19.36 fund to the Board of Regents of the University

20.1 of Minnesota for the Minnesota Landscape
 20.2 Arboretum to expand collection and
 20.3 preservation efforts to enable long-term
 20.4 conservation of at least 25 of the 48 native
 20.5 orchid species in Minnesota and to continue
 20.6 propagation and cultivation research. This
 20.7 appropriation is available until June 30, 2021,
 20.8 by which time the project must be completed
 20.9 and final products delivered.

20.10 **(h) Restoring Wild-Rice Waters**

20.11 \$400,000 the second year is from the trust
 20.12 fund to the commissioner of natural resources
 20.13 for competitive grants to bands of the
 20.14 Minnesota Chippewa tribe to restore and
 20.15 enhance wild-rice waters. The commissioner
 20.16 must develop forms and procedures for
 20.17 soliciting and reviewing the applications for
 20.18 grants.

20.19 **Subd. 9. Land Acquisition, Habitat, and**
 20.20 **Recreation**

-0-

17,439,000

20.21 **(a) Grants for Local Parks, Trails, and Natural**
 20.22 **Areas**

20.23 \$2,000,000 the second year is from the trust
 20.24 fund to the commissioner of natural resources
 20.25 to solicit, rank, and fund competitive matching
 20.26 grants for local parks, trail connections, and
 20.27 natural and scenic areas under Minnesota
 20.28 Statutes, section 85.019. The appropriation is
 20.29 for local nature-based recreation and
 20.30 connections to regional and state natural areas
 20.31 and recreation facilities and does not include
 20.32 athletic facilities such as sport fields, courts,
 20.33 and playgrounds. This appropriation is
 20.34 available until June 30, 2021, by which time
 20.35 the project must be completed and final
 20.36 products delivered.

21.1 **(b) Develop Mesabi Trail Segment From County**
21.2 **Road 88 to Ely**

21.3 \$600,000 the second year is from the trust
21.4 fund to the commissioner of natural resources
21.5 for an agreement with the St. Louis and Lake
21.6 Counties Regional Railroad Authority for
21.7 environmental assessment, permitting,
21.8 right-of-way easements or other acquisition
21.9 as needed, engineering, and construction of
21.10 an approximately three-mile-long bituminous
21.11 surface section of the Mesabi Trail between
21.12 Ely and the intersection of Highway 169 and
21.13 County Road 88. This appropriation is
21.14 available until June 30, 2022, by which time
21.15 the project must be completed and final
21.16 products delivered.

21.17 **(c) Harmony State Trail Extension Land**
21.18 **Acquisition**

21.19 \$235,000 the second year is from the trust
21.20 fund to the commissioner of natural resources
21.21 for an agreement with the city of Harmony to
21.22 acquire fee title of about 16 parcels to allow
21.23 for the approximate six-mile extension of the
21.24 legislatively authorized state trail from
21.25 Harmony south to the Iowa state border with
21.26 a spur to Niagara Cave. The land must be
21.27 transferred to the state after it has been
21.28 purchased.

21.29 **(d) Mississippi Blufflands State Trail - Red Wing**
21.30 **Barn Bluff to Colvill Park Segment**

21.31 \$550,000 the second year is from the trust
21.32 fund to the commissioner of natural resources
21.33 for an agreement with the city of Red Wing
21.34 to be used with other funds to construct an
21.35 approximate three-quarter-mile-long
21.36 hard-surfaced segment of the Mississippi

22.1 Blufflands State Trail along Red Wing's
22.2 Mississippi River riverfront from Barn Bluff
22.3 Regional Park to Colvill Park. This
22.4 appropriation is available until June 30, 2021,
22.5 by which time the project must be completed
22.6 and final products delivered.

22.7 **(e) Swedish Immigrant Regional Trail Segment**
22.8 **within Interstate State Park**

22.9 \$2,254,000 the second year is from the trust
22.10 fund to the commissioner of natural resources
22.11 for an agreement with Chisago County
22.12 Environmental Services to construct an
22.13 approximate one-half-mile regional county
22.14 trail segment within Interstate State Park from
22.15 the end point of the existing trail at the park
22.16 boundary to city hall including a trail bridge
22.17 over the ravine and parking and trailhead
22.18 improvements and to conduct a natural and
22.19 cultural review to determine the feasibility and
22.20 route of a future section of the trail through
22.21 the park. This appropriation is available until
22.22 June 30, 2021, by which time the project must
22.23 be completed and final products delivered.

22.24 **(f) Enhancement Plan for Superior Hiking Trail**

22.25 \$100,000 the second year is from the trust
22.26 fund to the commissioner of natural resources
22.27 for an agreement with the Superior Hiking
22.28 Trail Association to evaluate improvements
22.29 to the 310-mile-long Superior Hiking Trail
22.30 including routing, safety, water management,
22.31 maintenance, and other environmental,
22.32 recreational, and design issues and to develop
22.33 an interactive trail-management system to
22.34 capture efficiencies and best management
22.35 practices.

23.1 **(g) Protecting Mississippi River Headwaters**
23.2 **Lands through Local, State, and Federal**
23.3 **Partnership**

23.4 \$700,000 the second year is from the trust
23.5 fund to the commissioner of natural resources
23.6 for an agreement with the city of Baxter, in
23.7 cooperation with Brainerd Public Schools and
23.8 the Camp Ripley Sentinel Landscape Program,
23.9 to acquire about 200 acres of forested land on
23.10 the upper Mississippi River adjacent to
23.11 Mississippi River Overlook Park for multiple
23.12 public benefits, including being an outdoor
23.13 classroom for local schools. To be eligible for
23.14 reimbursement, costs for real estate
23.15 transactions must be specific to this acquisition
23.16 and documented as required in subdivision 14,
23.17 paragraph (k).

23.18 **(h) Protecting North-Central Minnesota Lakes**

23.19 \$750,000 the second year is from the trust
23.20 fund to the commissioner of natural resources
23.21 for an agreement with the Crow Wing County
23.22 Soil and Water Conservation District to
23.23 increase watershed protection to maintain and
23.24 improve water quality in lakes and rivers in
23.25 Aitkin and Crow Wing Counties with about
23.26 ten permanent RIM conservation easements
23.27 and 12 forest stewardship plans and by
23.28 implementing six best management practices.
23.29 Of this amount, up to \$59,000 may be
23.30 contributed to an easement stewardship
23.31 account established under Minnesota Statutes,
23.32 section 103B.103, as approved in the work
23.33 plan.

23.34 **(i) Easement Program for Native Prairie Bank**

23.35 \$2,000,000 the second year is from the trust
23.36 fund to the commissioner of natural resources

24.1 to provide technical stewardship assistance to
24.2 private landowners, restore and enhance about
24.3 270 acres of native prairie protected by
24.4 easements in the native prairie bank, and
24.5 acquire easements for the native prairie bank
24.6 in accordance with Minnesota Statutes, section
24.7 84.96, on about 275 acres, including preparing
24.8 initial baseline property assessments. Up to
24.9 \$120,000 of this appropriation may be
24.10 deposited in the natural resources conservation
24.11 easement stewardship account, created in
24.12 Minnesota Statutes, section 84.69, proportional
24.13 to the number of easement acres acquired. A
24.14 list of proposed easement acquisitions and
24.15 restoration sites for the native prairie bank are
24.16 required in the work plan. This appropriation
24.17 is available until June 30, 2021, by which time
24.18 the project must be completed and final
24.19 products delivered.

24.20 **(j) Minnesota State Trail Development**

24.21 \$2,500,000 the second year is from the trust
24.22 fund to the commissioner of natural resources
24.23 to expand high-priority recreational
24.24 opportunities on Minnesota's state trails by
24.25 developing new trail segments and
24.26 rehabilitating, improving, and enhancing
24.27 existing state trails. High-priority trail
24.28 segments to develop and enhance include but
24.29 are not limited to the Gateway, Gitchi Gami,
24.30 Paul Bunyan, and Heartland State Trails. A
24.31 proposed list of trail projects on legislatively
24.32 authorized state trails is required in the work
24.33 plan. This appropriation is available until June
24.34 30, 2021, by which time the project must be
24.35 completed and final products delivered.

25.1 **(k) Minnesota State Parks and State Trails**

25.2 \$2,500,000 the second year is from the trust
25.3 fund to the commissioner of natural resources
25.4 to acquire about 163 acres of high-priority
25.5 inholdings from willing sellers within the
25.6 legislatively authorized boundaries of state
25.7 parks and trails in order to protect Minnesota's
25.8 natural heritage, enhance outdoor recreational
25.9 opportunities, and improve the efficiency of
25.10 public land management. Priorities include
25.11 but are not limited to Tettegouche, Sibley, and
25.12 Minneopa State Parks and the Goodhue
25.13 Pioneer State Trail. A list of proposed
25.14 acquisitions is required in the work plan. This
25.15 appropriation is available until June 30, 2021,
25.16 by which time the project must be completed
25.17 and final products delivered.

25.18 **(l) Scientific and Natural Areas Program**

25.19 \$3,250,000 the second year is from the trust
25.20 fund to the commissioner of natural resources
25.21 for the scientific and natural areas program.
25.22 Of this amount, \$1,500,000 is for habitat
25.23 restoration activities, \$500,000 is for scientific
25.24 and natural areas public engagement and
25.25 outreach, and \$1,250,000 is to acquire strategic
25.26 high-quality lands that meet criteria for
25.27 scientific and natural areas under Minnesota
25.28 Statutes, section 86A.05, from willing sellers
25.29 in southern Minnesota. For each acre acquired
25.30 with this appropriation, the Department of
25.31 Natural Resources must document that the
25.32 department has sold an acre of state land. If
25.33 these acquisition requirements cannot be met,
25.34 the appropriation may be used for scientific
25.35 and natural areas restoration. A list of

26.1 proposed acquisitions and restorations is
 26.2 required in the work plan. This appropriation
 26.3 is available until June 30, 2021, by which time
 26.4 the project must be completed and final
 26.5 products delivered.

26.6 **Subd. 10. Emerging Issues Account** -0- 39,000

26.7 \$39,000 the second year is from the trust fund
 26.8 to an emerging issues account authorized in
 26.9 Minnesota Statutes, section 116P.08,
 26.10 subdivision 4, paragraph (d).

26.11 **Subd. 11. Contract Agreement Reimbursement** -0- 135,000

26.12 \$135,000 the second year is from the trust
 26.13 fund to the commissioner of natural resources,
 26.14 at the direction of the Legislative-Citizen
 26.15 Commission on Minnesota Resources, for
 26.16 expenses incurred for preparing and
 26.17 administering contracts for the agreements
 26.18 specified in this section. The commissioner
 26.19 must provide documentation to the
 26.20 Legislative-Citizen Commission on Minnesota
 26.21 Resources on the expenditure of these funds.

26.22 **Subd. 12. Availability of Appropriations**

26.23 Money appropriated in this section may not
 26.24 be spent on activities unless they are directly
 26.25 related to and necessary for a specific
 26.26 appropriation and are specified in the work
 26.27 plan approved by the Legislative-Citizen
 26.28 Commission on Minnesota Resources. Money
 26.29 appropriated in this section must not be spent
 26.30 on indirect costs or other institutional overhead
 26.31 charges that are not directly related to and
 26.32 necessary for a specific appropriation. Costs
 26.33 that are directly related to and necessary for
 26.34 an appropriation, including financial services,
 26.35 human resources, information services, rent,

27.1 and utilities, are eligible only if the costs can
27.2 be clearly justified and individually
27.3 documented specific to the appropriation's
27.4 purpose and would not be generated by the
27.5 recipient but for receipt of the appropriation.
27.6 No broad allocations for costs in either dollars
27.7 or percentages are allowed. Unless otherwise
27.8 provided, the amounts in this section are
27.9 available until June 30, 2020, when projects
27.10 must be completed and final products
27.11 delivered. For acquisition of real property, the
27.12 appropriations in this section are available for
27.13 an additional fiscal year if a binding contract
27.14 for acquisition of the real property is entered
27.15 into before the expiration date of the
27.16 appropriation. If a project receives a federal
27.17 grant, the period of the appropriation is
27.18 extended to equal the federal grant period.
27.19 **Subd. 13. Data Availability Requirements**
27.20 Data collected by the projects funded under
27.21 this section must conform to guidelines and
27.22 standards adopted by the Office of MN.IT
27.23 Services. Spatial data must also conform to
27.24 additional guidelines and standards designed
27.25 to support data coordination and distribution
27.26 that have been published by the Minnesota
27.27 Geospatial Information Office. Descriptions
27.28 of spatial data must be prepared as specified
27.29 in the state's geographic metadata guideline
27.30 and must be submitted to the Minnesota
27.31 Geospatial Information Office. All data must
27.32 be accessible and free to the public unless
27.33 made private under the Data Practices Act,
27.34 Minnesota Statutes, chapter 13. To the extent
27.35 practicable, summary data and results of
27.36 projects funded under this section should be

28.1 readily accessible on the Internet and
28.2 identified as having received funding from the
28.3 environment and natural resources trust fund.

28.4 **Subd. 14. Project Requirements**

28.5 (a) As a condition of accepting an
28.6 appropriation under this section, an agency or
28.7 entity receiving an appropriation or a party to
28.8 an agreement from an appropriation must
28.9 comply with paragraphs (b) to (l) and
28.10 Minnesota Statutes, chapter 116P, and must
28.11 submit a work plan and annual or semiannual
28.12 progress reports in the form determined by the
28.13 Legislative-Citizen Commission on Minnesota
28.14 Resources for any project funded in whole or
28.15 in part with funds from the appropriation.

28.16 Modifications to the approved work plan and
28.17 budget expenditures must be made through
28.18 the amendment process established by the
28.19 Legislative-Citizen Commission on Minnesota
28.20 Resources.

28.21 (b) A recipient of money appropriated in this
28.22 section that conducts a restoration using funds
28.23 appropriated in this section must use native
28.24 plant species according to the Board of Water
28.25 and Soil Resources' native vegetation
28.26 establishment and enhancement guidelines
28.27 and include an appropriate diversity of native
28.28 species selected to provide habitat for
28.29 pollinators throughout the growing season as
28.30 required under Minnesota Statutes, section
28.31 84.973.

28.32 (c) For all restorations conducted with money
28.33 appropriated under this section, a recipient
28.34 must prepare an ecological restoration and
28.35 management plan that, to the degree

29.1 practicable, is consistent with the
29.2 highest-quality conservation and ecological
29.3 goals for the restoration site. Consideration
29.4 should be given to soil, geology, topography,
29.5 and other relevant factors that would provide
29.6 the best chance for long-term success and
29.7 durability of the restoration project. The plan
29.8 must include the proposed timetable for
29.9 implementing the restoration, including site
29.10 preparation, establishment of diverse plant
29.11 species, maintenance, and additional
29.12 enhancement to establish the restoration;
29.13 identify long-term maintenance and
29.14 management needs of the restoration and how
29.15 the maintenance, management, and
29.16 enhancement will be financed; and take
29.17 advantage of the best-available science and
29.18 include innovative techniques to achieve the
29.19 best restoration.

29.20 (d) An entity receiving an appropriation in this
29.21 section for restoration activities must provide
29.22 an initial restoration evaluation at the
29.23 completion of the appropriation and an
29.24 evaluation three years after the completion of
29.25 the expenditure. Restorations must be
29.26 evaluated relative to the stated goals and
29.27 standards in the restoration plan, current
29.28 science, and, when applicable, the Board of
29.29 Water and Soil Resources' native vegetation
29.30 establishment and enhancement guidelines.
29.31 The evaluation must determine whether the
29.32 restorations are meeting planned goals,
29.33 identify any problems with implementing the
29.34 restorations, and, if necessary, give
29.35 recommendations on improving restorations.

30.1 The evaluation must be focused on improving
30.2 future restorations.

30.3 (e) All restoration and enhancement projects
30.4 funded with money appropriated in this section
30.5 must be on land permanently protected by a
30.6 conservation easement or public ownership.

30.7 (f) A recipient of money from an appropriation
30.8 under this section must give consideration to
30.9 contracting with Conservation Corps
30.10 Minnesota for contract restoration and
30.11 enhancement services.

30.12 (g) All conservation easements acquired with
30.13 money appropriated under this section must:

30.14 (1) be permanent;

30.15 (2) specify the parties to an easement in the
30.16 easement;

30.17 (3) specify all the provisions of an agreement
30.18 that are permanent;

30.19 (4) be sent to the Legislative-Citizen
30.20 Commission on Minnesota Resources in an
30.21 electronic format at least ten business days
30.22 before closing;

30.23 (5) include a long-term monitoring and
30.24 enforcement plan and funding for monitoring
30.25 and enforcing the easement agreement; and

30.26 (6) include requirements in the easement
30.27 document to protect the quantity and quality
30.28 of groundwater and surface water through
30.29 specific activities such as keeping water on
30.30 the landscape, reducing nutrient and
30.31 contaminant loading, and not permitting
30.32 artificial hydrological modifications.

31.1 (h) For any acquisition of lands or interest in
31.2 lands, a recipient of money appropriated under
31.3 this section must not agree to pay more than
31.4 100 percent of the appraised value for a parcel
31.5 of land using this money to complete the
31.6 purchase, in part or in whole, except that up
31.7 to ten percent above the appraised value may
31.8 be allowed to complete the purchase, in part
31.9 or in whole, using this money if permission is
31.10 received in advance of the purchase from the
31.11 Legislative-Citizen Commission on Minnesota
31.12 Resources.

31.13 (i) For any acquisition of land or interest in
31.14 land, a recipient of money appropriated under
31.15 this section must give priority to high-quality
31.16 natural resources or conservation lands that
31.17 provide natural buffers to water resources.

31.18 (j) For new lands acquired with money
31.19 appropriated under this section, a recipient
31.20 must prepare an ecological restoration and
31.21 management plan in compliance with
31.22 paragraph (c), including sufficient funding for
31.23 implementation unless the work plan addresses
31.24 why a portion of the money is not necessary
31.25 to achieve a high-quality restoration.

31.26 (k) To ensure public accountability for using
31.27 public funds, a recipient of money
31.28 appropriated under this section must, within
31.29 60 days of the transaction, provide to the
31.30 Legislative-Citizen Commission on Minnesota
31.31 Resources documentation of the selection
31.32 process used to identify parcels acquired and
31.33 provide documentation of all related
31.34 transaction costs, including but not limited to
31.35 appraisals, legal fees, recording fees,

32.1 commissions, other similar costs, and
32.2 donations. This information must be provided
32.3 for all parties involved in the transaction. The
32.4 recipient must also report to the
32.5 Legislative-Citizen Commission on Minnesota
32.6 Resources any difference between the
32.7 acquisition amount paid to the seller and the
32.8 state-certified or state-reviewed appraisal, if
32.9 a state-certified or state-reviewed appraisal
32.10 was conducted.

32.11 (l) A recipient of an appropriation from the
32.12 trust fund under this section must acknowledge
32.13 financial support from the environment and
32.14 natural resources trust fund in project
32.15 publications, signage, and other public
32.16 communications and outreach related to work
32.17 completed using the appropriation.

32.18 Acknowledgment may occur, as appropriate,
32.19 through use of the trust fund logo or inclusion
32.20 of language attributing support from the trust
32.21 fund. Each direct recipient of money
32.22 appropriated in this section, as well as each
32.23 recipient of a grant awarded pursuant to this
32.24 section, must satisfy all reporting and other
32.25 requirements incumbent upon constitutionally
32.26 dedicated funding recipients as provided in
32.27 Minnesota Statutes, section 3.303, subdivision
32.28 10, and Minnesota Statutes, chapter 116P.

32.29 **Subd. 15. Payment Conditions and**
32.30 **Capital-Equipment Expenditures**

32.31 (a) All agreements, grants, or contracts
32.32 referred to in this section must be administered
32.33 on a reimbursement basis unless otherwise
32.34 provided in this section. Notwithstanding
32.35 Minnesota Statutes, section 16A.41,
32.36 expenditures made on or after July 1, 2018,

33.1 or the date the work plan is approved,
33.2 whichever is later, are eligible for
33.3 reimbursement unless otherwise provided in
33.4 this section. Periodic payments must be made
33.5 upon receiving documentation that the
33.6 deliverable items articulated in the approved
33.7 work plan have been achieved, including
33.8 partial achievements as evidenced by approved
33.9 progress reports. Reasonable amounts may be
33.10 advanced to projects to accommodate
33.11 cash-flow needs or match federal money. The
33.12 advances must be approved as part of the work
33.13 plan. No expenditures for capital equipment
33.14 are allowed unless expressly authorized in the
33.15 project work plan.

33.16 (b) Single-source contracts as specified in the
33.17 approved work plan are allowed.

33.18 **Subd. 16. Purchasing Recycled and Recyclable**
33.19 **Materials**

33.20 A political subdivision, public or private
33.21 corporation, or other entity that receives an
33.22 appropriation under this section must use the
33.23 appropriation in compliance with Minnesota
33.24 Statutes, section 16C.0725, regarding
33.25 purchasing recycled, repairable, and durable
33.26 materials and Minnesota Statutes, section
33.27 16C.073, regarding purchasing and using
33.28 paper stock and printing.

33.29 **Subd. 17. Energy Conservation and Sustainable**
33.30 **Building Guidelines**

33.31 A recipient to whom an appropriation is made
33.32 under this section for a capital improvement
33.33 project must ensure that the project complies
33.34 with the applicable energy conservation and
33.35 sustainable building guidelines and standards
33.36 contained in law, including Minnesota

34.1 Statutes, sections 16B.325, 216C.19, and
34.2 216C.20, and rules adopted under those
34.3 sections. The recipient may use the energy
34.4 planning, advocacy, and State Energy Office
34.5 units of the Department of Commerce to
34.6 obtain information and technical assistance
34.7 on energy conservation and alternative-energy
34.8 development relating to planning and
34.9 constructing the capital improvement project.

34.10 **Subd. 18. Accessibility**

34.11 Structural and nonstructural facilities must
34.12 meet the design standards in the Americans
34.13 with Disabilities Act (ADA) accessibility
34.14 guidelines.

34.15 **Subd. 19. Carryforward; Extension**

34.16 (a) The availability of the appropriations for
34.17 the following projects are extended to June
34.18 30, 2019:

34.19 (1) Laws 2014, chapter 226, section 2,
34.20 subdivision 6, paragraph (j), Dredged
34.21 Sediment for Forest Restoration on
34.22 Unproductive Minelands;

34.23 (2) Laws 2014, chapter 226, section 2,
34.24 subdivision 7, paragraph (b), Metropolitan
34.25 Regional Park System Acquisition, as
34.26 extended by Laws 2017, chapter 96, section
34.27 2, subdivision 18, paragraph (a), clause (5);

34.28 (3) Laws 2015, chapter 76, section 2,
34.29 subdivision 3, paragraph (b), County Geologic
34.30 Atlases - Part B;

34.31 (4) Laws 2015, chapter 76, section 2,
34.32 subdivision 4, paragraph (a), Understanding
34.33 Water Scarcity, Threats, and Values to
34.34 Improve Management;

- 35.1 (5) Laws 2015, chapter 76, section 2,
35.2 subdivision 6, paragraph (c), Biological
35.3 Control of Canada Thistle;
- 35.4 (6) Laws 2015, chapter 76, section 2,
35.5 subdivision 6, paragraph (d), Preventing New
35.6 Disease of Pines in Minnesota;
- 35.7 (7) Laws 2015, chapter 76, section 2,
35.8 subdivision 9, paragraph (d), Native Prairie
35.9 Stewardship and Prairie Bank Easement
35.10 Acquisition;
- 35.11 (8) Laws 2015, chapter 76, section 2,
35.12 subdivision 9, paragraph (g), Metro
35.13 Conservation Corridors Phase VIII - Priority
35.14 Expansion of Minnesota Valley National
35.15 Wildlife Refuge;
- 35.16 (9) Laws 2015, chapter 76, section 2,
35.17 subdivision 10, Emerging Issues Account; and
- 35.18 (10) Laws 2016, chapter 186, section 2,
35.19 subdivision 9, paragraph (g), Otter Tail River
35.20 Recreational Trail Acquisition.
- 35.21 (b) The availability of the appropriations for
35.22 the following projects are extended to June
35.23 30, 2020:
- 35.24 (1) Laws 2015, chapter 76, section 2,
35.25 subdivision 9, paragraph (b), Metropolitan
35.26 Regional Park System Land Acquisition -
35.27 Phase IV;
- 35.28 (2) Laws 2016, chapter 186, section 2,
35.29 subdivision 10, paragraph (b), Grants
35.30 Management System; and
- 35.31 (3) Laws 2017, chapter 96, section 2,
35.32 subdivision 6, paragraph (d), Adapting Stream
35.33 Barriers to Remove Common Carp.

36.1 (c) The availability of the appropriation under
 36.2 Laws 2017, chapter 96, section 2, subdivision
 36.3 8, paragraph (l), Conservation Reserve
 36.4 Enhancement Program (CREP), is extended
 36.5 to June 30, 2022.

36.6 (d) The availability of the appropriation under
 36.7 Laws 2017, chapter 96, section 2, subdivision
 36.8 3, paragraph (n), Pollinator Research and
 36.9 Outreach, is extended to June 30, 2023.

36.10 Sec. 3. Minnesota Statutes 2016, section 116P.08, is amended by adding a subdivision to
 36.11 read:

36.12 Subd. 8. **Nongovernmental organization acquisition; local government notice.** A
 36.13 nongovernmental organization submitting a proposal to the commission for a fee title
 36.14 acquisition of land to be acquired in whole or in part with money from the environment and
 36.15 natural resources trust fund must notify, in writing, the county board and the town board
 36.16 where the land is located and furnish them a description of the land to be acquired on or
 36.17 before the date of the proposal's submission. The county board and town board may provide
 36.18 to the commission resolutions favoring or opposing the land sale. For the purposes of this
 36.19 subdivision, a proposal includes a proposal submitted in response to a request for proposal
 36.20 issued by the commission and a proposed parcel submitted to the commission after the
 36.21 initial proposal has been submitted.

36.22 Sec. 4. Laws 2015, chapter 76, section 2, subdivision 9, is amended to read:

36.23 Subd. 9. Land Acquisition for Habitat and		
36.24 Recreation	14,190,000	-0-

36.25 **(a) State Parks and Trails Land**
 36.26 **Acquisitions**

36.27 \$1,500,000 the first year is from the trust fund
 36.28 to the commissioner of natural resources to
 36.29 acquire at least 335 acres for authorized state
 36.30 trails and critical parcels within the statutory
 36.31 boundaries of state parks. State park land
 36.32 acquired with this appropriation must be
 36.33 sufficiently improved to meet at least

37.1 minimum management standards, as
37.2 determined by the commissioner of natural
37.3 resources. A list of proposed acquisitions must
37.4 be provided as part of the required work plan.
37.5 This appropriation is available until June 30,
37.6 2018, by which time the project must be
37.7 completed and final products delivered.

37.8 **(b) Metropolitan Regional Park System**

37.9 **Land Acquisition - Phase IV**

37.10 \$1,000,000 the first year is from the trust fund
37.11 to the Metropolitan Council for grants to
37.12 acquire at least 133 acres of lands within the
37.13 approved park unit boundaries of the
37.14 metropolitan regional park system. This
37.15 appropriation may not be used to purchase
37.16 habitable residential structures. A list of
37.17 proposed fee title and easement acquisitions
37.18 must be provided as part of the required work
37.19 plan. This appropriation must be matched by
37.20 at least 40 percent of nonstate money that must
37.21 be committed by December 31, 2015, or the
37.22 appropriation cancels. This appropriation is
37.23 available until June 30, 2018, by which time
37.24 the project must be completed and final
37.25 products delivered.

37.26 **(c) SNA Acquisition, Restoration,**

37.27 **Enhancement, and Public Engagement**

37.28 \$4,000,000 the first year is from the trust fund
37.29 to the commissioner of natural resources to
37.30 acquire at least 350 acres of lands with
37.31 high-quality native plant communities and rare
37.32 features to be established as scientific and
37.33 natural areas as provided in Minnesota
37.34 Statutes, section 86A.05, subdivision 5, restore
37.35 and improve at least 550 acres of scientific

38.1 and natural areas, and provide technical
38.2 assistance and outreach. A list of proposed
38.3 acquisitions must be provided as part of the
38.4 required work plan. Land acquired with this
38.5 appropriation must be sufficiently improved
38.6 to meet at least minimum management
38.7 standards, as determined by the commissioner
38.8 of natural resources. This appropriation is
38.9 available until June 30, 2018, by which time
38.10 the project must be completed and final
38.11 products delivered.

38.12 **(d) Native Prairie Stewardship and Prairie**
38.13 **Bank Easement Acquisition**

38.14 \$3,325,000 the first year is from the trust fund
38.15 to the commissioner of natural resources to
38.16 acquire native prairie bank easements on at
38.17 least 675 acres, prepare baseline property
38.18 assessments, restore and enhance at least 1,000
38.19 acres of native prairie sites, and provide
38.20 technical assistance to landowners. Of this
38.21 amount, up to ~~\$135,000~~ \$195,000 must be
38.22 deposited in a conservation easement
38.23 stewardship account. Deposits into the
38.24 conservation easement stewardship account
38.25 must be made upon closing on conservation
38.26 easements or at a time otherwise approved in
38.27 the work plan. A list of proposed easement
38.28 acquisitions must be provided as part of the
38.29 required work plan. This appropriation is
38.30 available until June 30, 2018, by which time
38.31 the project must be completed and final
38.32 products delivered.

38.33 **(e) Metro Conservation Corridors - Phase**
38.34 **VIII Coordination, Mapping, and**
38.35 **Conservation Easements**

39.1 \$515,000 the first year is from the trust fund
39.2 to the commissioner of natural resources for
39.3 an agreement with the Minnesota Land Trust
39.4 for Phase VIII of the Metro Conservation
39.5 Corridors partnership to provide coordination
39.6 and mapping for the partnership and to acquire
39.7 permanent conservation easements on at least
39.8 120 acres of strategic ecological landscapes
39.9 to protect priority natural areas in the
39.10 metropolitan area, as defined under Minnesota
39.11 Statutes, section 473.121, subdivision 2, and
39.12 portions of the surrounding counties. A list of
39.13 proposed easement acquisitions must be
39.14 provided as part of the required work plan.
39.15 Land acquired with this appropriation must
39.16 be sufficiently improved to meet at least
39.17 minimum management standards, as
39.18 determined by the commissioner of natural
39.19 resources. Expenditures are limited to the
39.20 identified project corridor areas as defined in
39.21 the work plan. Up to \$40,000 may be used for
39.22 coordination and mapping for the Metro
39.23 Conservation Corridors. All conservation
39.24 easements must be perpetual and have a
39.25 natural resource management plan. A list of
39.26 proposed easement acquisitions must be
39.27 provided as part of the required work plan.
39.28 This appropriation is available June 30, 2018,
39.29 by which time the project must be completed
39.30 and final products delivered.

39.31 **(f) Metro Conservation Corridors - Phase**
39.32 **VIII Strategic Lands Protection**

39.33 \$750,000 the first year is from the trust fund
39.34 to the commissioner of natural resources for
39.35 an agreement with The Trust for Public Land

40.1 for Phase VIII of the Metro Conservation
40.2 Corridors partnership to acquire in fee at least
40.3 35 acres of high-quality priority state and local
40.4 natural areas in the metropolitan area, as
40.5 defined under Minnesota Statutes, section
40.6 473.121, subdivision 2, and portions of the
40.7 surrounding counties. A list of proposed
40.8 acquisitions must be provided as part of the
40.9 required work plan. Land acquired with this
40.10 appropriation must be sufficiently improved
40.11 to meet at least minimum management
40.12 standards, as determined by the commissioner
40.13 of natural resources. Expenditures are limited
40.14 to the identified project corridor areas as
40.15 defined in the work plan. This appropriation
40.16 may not be used to purchase habitable
40.17 residential structures, unless expressly
40.18 approved in the work plan. A list of fee title
40.19 acquisitions must be provided as part of the
40.20 required work plan. This appropriation is
40.21 available until June 30, 2018, by which time
40.22 the project must be completed and final
40.23 products delivered.

40.24 **(g) Metro Conservation Corridors - Phase**
40.25 **VIII Priority Expansion of Minnesota**
40.26 **Valley National Wildlife Refuge**

40.27 \$500,000 the first year is from the trust fund
40.28 to the commissioner of natural resources for
40.29 an agreement with the Minnesota Valley
40.30 National Wildlife Refuge Trust, Inc. for Phase
40.31 VIII of the Metro Conservation Corridors
40.32 partnership to acquire in fee at least 100 acres
40.33 of priority habitat for the Minnesota Valley
40.34 National Wildlife Refuge in the metropolitan
40.35 area, as defined under Minnesota Statutes,

41.1 section 473.121, subdivision 2, and portions
41.2 of the surrounding counties. A list of proposed
41.3 acquisitions must be provided as part of the
41.4 required work plan. Land acquired with this
41.5 appropriation must be sufficiently improved
41.6 to meet at least minimum management
41.7 standards. Expenditures are limited to the
41.8 identified project corridor areas as defined in
41.9 the work plan. This appropriation may not be
41.10 used to purchase habitable residential
41.11 structures, unless expressly approved in the
41.12 work plan. This appropriation is available until
41.13 June 30, 2018, by which time the project must
41.14 be completed and final products delivered.

41.15 **(h) Metro Conservation Corridors - Phase**
41.16 **VIII Wildlife Management Area**
41.17 **Acquisition**

41.18 \$400,000 the first year is from the trust fund
41.19 to the commissioner of natural resources for
41.20 Phase VIII of the Metro Conservation
41.21 Corridors partnership to acquire in fee at least
41.22 82 acres along the lower reaches of the
41.23 Vermillion River in Dakota County within the
41.24 Gores Pool Wildlife Management Area. Land
41.25 acquired with this appropriation must be
41.26 sufficiently improved to meet at least
41.27 minimum management standards. This
41.28 appropriation may not be used to purchase
41.29 habitable residential structures, unless
41.30 expressly approved in the work plan. This
41.31 appropriation is available until June 30, 2018,
41.32 by which time the project must be completed
41.33 and final products delivered.

41.34 **(i) Mesabi Trail Development Soudan to**
41.35 **Ely - Phase II**

42.1 \$1,000,000 the first year is from the trust fund
42.2 to the commissioner of natural resources for
42.3 an agreement with the St. Louis and Lake
42.4 Counties Regional Railroad Authority for the
42.5 right-of-way acquisition, design, and
42.6 construction of segments of the Mesabi Trail,
42.7 totaling approximately seven miles between
42.8 Soudan and Ely. This appropriation is
42.9 available until June 30, 2018, by which time
42.10 the project must be completed and final
42.11 products delivered.

42.12 **(j) Multi-benefit Watershed Scale**

42.13 **Conservation on North Central Lakes**

42.14 \$950,000 the first year is from the trust fund
42.15 to the Board of Water and Soil Resources to
42.16 secure permanent conservation easements on
42.17 at least 480 acres of high-quality habitat in
42.18 Crow Wing and Cass Counties. Of this
42.19 amount, up to \$65,000 must be deposited in a
42.20 conservation easement stewardship account;
42.21 and \$54,000 is for an agreement with the
42.22 Leech Lake Area Watershed Foundation in
42.23 cooperation with Crow Wing County Soil and
42.24 Water Conservation District and Cass County
42.25 Soil and Water Conservation District. Deposits
42.26 into the conservation easement stewardship
42.27 account must be made upon closing on
42.28 conservation easements or at a time otherwise
42.29 approved in the work plan. A list of proposed
42.30 easement acquisitions must be provided as
42.31 part of the required work plan. This
42.32 appropriation is available until June 30, 2018,
42.33 by which time the project must be completed
42.34 and final products delivered.

43.1 **(k) Conservation Easement Assessment and**
 43.2 **Valuation System Development**

43.3 \$250,000 the first year is from the trust fund
 43.4 to the Board of Regents of the University of
 43.5 Minnesota to assess the effectiveness of
 43.6 existing conservation easements acquired
 43.7 through state expenditures at achieving their
 43.8 intended outcomes of public value and
 43.9 ecological benefits and to develop a
 43.10 standardized, objective conservation easement
 43.11 valuation system for guiding future state
 43.12 investments in conservation easements to
 43.13 ensure the proposed environmental benefits
 43.14 are being achieved in a cost-effective manner.
 43.15 This appropriation is available until June 30,
 43.16 2018, by which time the project must be
 43.17 completed and final products delivered.

43.18 Sec. 5. Laws 2017, chapter 96, section 2, subdivision 8, is amended to read:

43.19 **Subd. 8. Methods to Protect**
 43.20 **or Restore Land, Water, and**
 43.21 **Habitat**

	2,729,000	16,554,000	5,000,000
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43.22 **(a) Optimizing the Nutrition of Roadside Plants**
 43.23 **for Pollinators**

43.24 \$815,000 the first year is from the trust fund
 43.25 to the Board of Regents of the University of
 43.26 Minnesota in cooperation with the
 43.27 Departments of Agriculture, Natural
 43.28 Resources, and Transportation and the Board
 43.29 of Water and Soil Resources to produce
 43.30 site-specific recommendations for roadside
 43.31 plantings in Minnesota to maximize the
 43.32 nutritional health of native bees and monarch
 43.33 butterflies that rely on roadside habitat
 43.34 corridors. This appropriation is available until
 43.35 June 30, 2020, by which time the project must
 43.36 be completed and final products delivered.

44.1 **(b) Promoting Conservation Biocontrol of**
44.2 **Beneficial Insects**

44.3 \$400,000 the first year is from the trust fund
44.4 to the Board of Regents of the University of
44.5 Minnesota to research integrated pest
44.6 management strategies, including insecticide
44.7 alternatives, and overwintering habitat sites
44.8 to conserve beneficial insects, including bees,
44.9 butterflies, and predator insects. The integrated
44.10 pest management strategies will be used to
44.11 develop best management practices to increase
44.12 pollinator and beneficial insect diversity and
44.13 abundance in various restored habitats. This
44.14 appropriation is available until June 30, 2020,
44.15 by which time the project must be completed
44.16 and final products delivered.

44.17 **(c) Evaluating the Use of Bison to Restore and**
44.18 **Preserve Savanna Habitat**

44.19 \$388,000 the first year is from the trust fund
44.20 to the Board of Regents of the University of
44.21 Minnesota, Cedar Creek Ecosystem Science
44.22 Reserve, to research combined bison grazing
44.23 and fire management strategies to restore
44.24 Minnesota's oak savanna ecosystems. This
44.25 appropriation is available until June 30, 2020,
44.26 by which time the project must be completed
44.27 and final products delivered.

44.28 **(d) State Park Pollinator Habitat Restoration**

44.29 \$672,000 the first year is from the trust fund
44.30 to the commissioner of natural resources to
44.31 restore at least 520 acres of monarch butterfly
44.32 and other native pollinator habitats in at least
44.33 seven state parks in the Minnesota Prairie
44.34 Conservation Plan core areas and establish
44.35 pollinator plantings and interpretive exhibits
44.36 in at least ten state parks. This appropriation

45.1 is available until June 30, 2021, by which time
45.2 the project must be completed and final
45.3 products delivered.

45.4 **(e) Enhancing Spawning Habitat Restoration in**
45.5 **Minnesota Lakes**

45.6 \$294,000 the first year is from the trust fund
45.7 to the Board of Regents of the University of
45.8 Minnesota, St. Anthony Falls Laboratory, in
45.9 cooperation with the Department of Natural
45.10 Resources to enhance efforts to increase
45.11 natural reproduction of fish in Minnesota lakes
45.12 by assessing wave energy impacts on
45.13 near-shore spawning habitat. This
45.14 appropriation is available until June 30, 2020,
45.15 by which time the project must be completed
45.16 and final products delivered.

45.17 **(f) Prescribed-Fire Management for Roadside**
45.18 **Prairies**

45.19 \$345,000 the first year is from the trust fund
45.20 to the commissioner of transportation to
45.21 enhance the prescribed-fire program to manage
45.22 roadsides to protect and increase biodiversity
45.23 and pollinator habitat. This appropriation is
45.24 available until June 30, 2020, by which time
45.25 the project must be completed and final
45.26 products delivered.

45.27 **(g) Minnesota Bee and Beneficial Species Habitat**
45.28 **Restoration**

45.29 \$732,000 the first year is from the trust fund
45.30 to the commissioner of natural resources for
45.31 an agreement with Pheasants Forever in
45.32 cooperation with the University of Minnesota
45.33 and the Minnesota Honey Producers
45.34 Association to restore approximately 800 acres
45.35 of permanently protected land to enhance bee,
45.36 butterfly, beneficial insect, and grassland bird

46.1 habitats. This appropriation is available until
46.2 June 30, 2021, by which time the project must
46.3 be completed and final products delivered.

46.4 **(h) Mississippi and Vermillion Rivers**
46.5 **Restoration of Prairie, Savanna, and Forest**
46.6 **Habitat - Phase X**

46.7 \$213,000 the first year is from the trust fund
46.8 to the commissioner of natural resources for
46.9 an agreement with Friends of the Mississippi
46.10 River for continued implementation of the
46.11 Metro Conservation Corridors partnership by
46.12 improving at least 80 acres of habitat at
46.13 approximately seven sites along the
46.14 Mississippi River and Vermillion River
46.15 corridors. Expenditures are limited to the
46.16 identified project corridor areas as defined in
46.17 the work plan. A list of proposed restoration
46.18 sites must be provided as part of the required
46.19 work plan. Plant and seed materials must
46.20 follow the Board of Water and Soil Resources'
46.21 native vegetation establishment and
46.22 enhancement guidelines. This appropriation
46.23 is available until June 30, 2020, by which time
46.24 the project must be completed and final
46.25 products delivered.

46.26 **(i) Community Stewardship to Restore Urban**
46.27 **Natural Resources - Phase X**

46.28 \$524,000 the first year is from the trust fund
46.29 to the commissioner of natural resources for
46.30 an agreement with Great River Greening to
46.31 work with volunteers for continued
46.32 implementation of the Metro Conservation
46.33 Corridors partnership to restore approximately
46.34 250 acres of forest, prairie, woodland, wetland,
46.35 and shoreline throughout the greater Twin
46.36 Cities metropolitan area. Expenditures are
46.37 limited to the identified project corridor areas

47.1 as defined in the work plan. A list of proposed
47.2 restoration sites and evaluations must be
47.3 provided as part of the required work plan.
47.4 Plant and seed materials must follow the Board
47.5 of Water and Soil Resources' native vegetation
47.6 establishment and enhancement guidelines.
47.7 This appropriation is available until June 30,
47.8 2020, by which time the project must be
47.9 completed and final products delivered.

47.10 **(j) Economic Assessment of Precision**
47.11 **Conservation and Agriculture**

47.12 \$400,000 the first year is from the trust fund
47.13 to the commissioner of natural resources for
47.14 an agreement with Pheasants Forever to
47.15 demonstrate a new approach to promote
47.16 conservation practices utilizing
47.17 return-on-investment analysis and identifying
47.18 revenue-negative acres on agricultural land to
47.19 assist farmers in implementing conservation
47.20 practices that will provide environmental and
47.21 economic benefits. This appropriation is
47.22 available until June 30, 2020, by which time
47.23 the project must be completed and final
47.24 products delivered.

47.25 **(k) Conservation Reserve Enhancement**
47.26 **Program (CREP) Outreach and Implementation**

47.27 \$6,000,000 the first year is from the trust fund
47.28 to the Board of Water and Soil Resources to
47.29 fund staff at soil and water conservation
47.30 districts to assist landowners participating in
47.31 the federal Conservation Reserve
47.32 Enhancement Program. This appropriation is
47.33 contingent upon receipt of federal funds for
47.34 implementation. This appropriation is
47.35 available until June 30, 2020, by which time

48.1 the project must be completed and final
48.2 products delivered.

48.3 **(l) Conservation Reserve Enhancement Program**
48.4 **(CREP)**

48.5 \$2,729,000 in fiscal year 2017 and \$5,771,000
48.6 the first year and \$5,000,000 the second year
48.7 are from the trust fund to the Board of Water
48.8 and Soil Resources to acquire permanent
48.9 conservation easements and restore land under
48.10 Minnesota Statutes, section 103F.515. Of this
48.11 amount, up to \$2,184,000 is for establishing
48.12 a monitoring and enforcement fund as
48.13 approved in the work plan and subject to
48.14 Minnesota Statutes, section 103B.103. This
48.15 work may be done in cooperation with the
48.16 federal Conservation Reserve Enhancement
48.17 Program. This appropriation is available until
48.18 June 30, 2021, by which time the project must
48.19 be completed and final products delivered.

48.20 **Sec. 6. LAKE WINONA MANAGEMENT; USING OFFSET, ADAPTIVE**
48.21 **PLANNING.**

48.22 (a) To facilitate implementation of the Lake Winona total maximum daily load, the
48.23 Alexandria Lake Area Sanitary District may fund or perform lake management activities
48.24 in Lake Winona and in Lake Agnes. Lake management activities may include, but are not
48.25 limited to, carp removal and alum treatment. If the district agrees to fund or perform lake
48.26 management activities in Lake Winona and in Lake Agnes, the commissioner of the Pollution
48.27 Control Agency shall do one of the following unless the district chooses another path to
48.28 compliance that conforms to state and federal law, such as facility construction:

48.29 (1) approve an offset of the phosphorous loading proportional to the reduction achievable
48.30 through lake management activities in Lake Winona and Lake Agnes creditable to the
48.31 Alexandria Lake Area Sanitary District's wastewater treatment facility and issue or amend
48.32 the district's NPDES permit MN004738 to include the offset. The approved offset may be
48.33 related to the lake eutrophication response variable chlorophyll-a, but shall ensure the district
48.34 can achieve compliance with phosphorus effluent limits through wastewater optimization
48.35 techniques without performing capital upgrades to the wastewater treatment facility. The

49.1 lake management activities contemplated under paragraph (a) need not be completed before
49.2 the commissioner approves the offset and related discharge limits or issues the permit, but
49.3 the permit may include a schedule of compliance outlining the required lake management
49.4 activities and requiring that lake management activities in Lake Winona and Lake Agnes
49.5 begin immediately upon permit issuance. The approved offset and related permit language
49.6 must be consistent with Clean Water Act requirements and Minnesota Statutes, section
49.7 115.03, subdivision 10; or

49.8 (2) amend the district's NPDES permit MN004738 in a manner consistent with state and
49.9 federal law to include an integrated and adaptive lake management plan and to extend the
49.10 final compliance deadline for the final phosphorus concentration effluent limit related to
49.11 the site specific standard for Lake Winona contained in the district's permit until the time
49.12 that the adaptive lake management plan, including carp removal in Lake Winona, can be
49.13 completed and the lake can be reassessed. The permit may include a schedule of compliance
49.14 outlining the required lake management activities and requiring that lake management
49.15 activities in Lake Winona and Lake Agnes begin immediately upon permit issuance.

49.16 (b) If the district agrees to fund or perform the lake management activities identified in
49.17 paragraph (a), the district may cooperate with the city of Alexandria in those efforts. The
49.18 district's responsibility for lake management activities in Lake Winona and Lake Agnes
49.19 terminates upon completion of the lake management activities identified in the schedule of
49.20 compliance contemplated under paragraph (a).

49.21 **EFFECTIVE DATE.** This section is effective the day after the governing body of the
49.22 Alexandria Lake Area Sanitary District and its chief clerical officer timely complete their
49.23 compliance with Minnesota Statutes, section 645.021, subdivisions 2 and 3.