

**SENATE
STATE OF MINNESOTA
NINETY-FIRST SESSION**

S.F. No. 2201

(SENATE AUTHORS: WESTROM, Ingebrigtsen, Dahms, Tomassoni and Dziedzic)		OFFICIAL STATUS
DATE	D-PG	
03/07/2019	710	Introduction and first reading Referred to Environment and Natural Resources Finance
03/14/2019		Comm report: To pass as amended and re-refer to Finance

1.1 A bill for an act

1.2 relating to natural resources; appropriating money from environment and natural
1.3 resources trust fund; modifying previous appropriations; amending Laws 2015,
1.4 chapter 76, section 2, subdivision 9, as amended; Laws 2017, chapter 96, section
1.5 2, subdivision 9.

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

1.7 Section 1. **APPROPRIATIONS.**

1.8 The sums shown in the columns marked "Appropriations" are appropriated to the agencies
1.9 and for the purposes specified in this act. The appropriations are from the environment and
1.10 natural resources trust fund, or another named fund, and are available for the fiscal years
1.11 indicated for each purpose. The figures "2020" and "2021" used in this act mean that the
1.12 appropriations listed under them are available for the fiscal year ending June 30, 2020, or
1.13 June 30, 2021, respectively. "The first year" is fiscal year 2020. "The second year" is fiscal
1.14 year 2021. "The biennium" is fiscal years 2020 and 2021.

1.15 **APPROPRIATIONS**
1.16 **Available for the Year**
1.17 **Ending June 30**
1.18 **2020** **2021**

1.19 Sec. 2. **MINNESOTA RESOURCES**

1.20 Subdivision 1. Total Appropriation \$ 61,387,000 \$ -0-

1.21 The amounts that may be spent for each

1.22 purpose are specified in the following

1.23 subdivisions. Appropriations are available for

1.24 three years beginning July 1, 2019, unless

1.25 otherwise stated in the appropriation. Any

2.1 unencumbered balance remaining in the first
2.2 year does not cancel and is available for the
2.3 second year or until the end of the
2.4 appropriation.

2.5 **Subd. 2. Definition**

2.6 "Trust fund" means the Minnesota
2.7 environment and natural resources trust fund
2.8 established under the Minnesota Constitution,
2.9 article XI, section 14.

2.10 **Subd. 3. Foundational Natural Resource Data**
2.11 **and Information**

9,918,000 -0-

2.12 **(a) Minnesota Biological Survey**

2.13 \$1,500,000 the first year is from the trust fund
2.14 to the commissioner of natural resources for
2.15 the Minnesota biological survey to complete
2.16 the statewide field surveys begun in 1987 to
2.17 provide a foundation for conserving biological
2.18 diversity by systematically collecting,
2.19 interpreting, and delivering data on native and
2.20 rare species, pollinators, and native plant
2.21 communities throughout Minnesota. Any
2.22 revenues generated through the publication of
2.23 books or other resources created through this
2.24 appropriation may be reinvested as described
2.25 in the work plan approved by the
2.26 Legislative-Citizen Commission on Minnesota
2.27 Resources according to Minnesota Statutes,
2.28 section 116P.10.

2.29 **(b) Restoring Native Mussels in Streams and**
2.30 **Lakes**

2.31 \$500,000 the first year is from the trust fund
2.32 to the commissioner of natural resources to
2.33 restore native freshwater mussel assemblages,
2.34 and the ecosystem services they provide, in
2.35 the Mississippi, Cedar, and Cannon Rivers

3.1 and to inform the public on mussels and
3.2 mussel conservation. This appropriation is
3.3 available until June 30, 2021, by which time
3.4 the project must be completed and final
3.5 products delivered.

3.6 **(c) Quantifying Exposure of Minnesota's**
3.7 **Raptors to Mercury and PFAS**

3.8 \$250,000 the first year is from the trust fund
3.9 to the commissioner of natural resources for
3.10 an agreement with the Hawk Ridge Bird
3.11 Observatory to quantify the exposure and
3.12 health risk of two environmental neurotoxins
3.13 to Minnesota raptors.

3.14 **(d) Minnesota Trumpeter Swan Migration**
3.15 **Ecology and Conservation**

3.16 \$300,000 the first year is from the trust fund
3.17 to the Board of Regents of the University of
3.18 Minnesota to document the movement and
3.19 habitat use of Minnesota trumpeter swans to
3.20 provide foundational information necessary
3.21 for trumpeter swan management and
3.22 conservation. This appropriation is available
3.23 until June 30, 2023, by which time the project
3.24 must be completed and final products
3.25 delivered.

3.26 **(e) Spruce Grouse as Indicators for Boreal**
3.27 **Forest Connectivity**

3.28 \$350,000 the first year is from the trust fund
3.29 to the Board of Regents of the University of
3.30 Minnesota for the Raptor Center to evaluate
3.31 how to best harvest timber in the boreal forest
3.32 to enable wildlife with small home ranges,
3.33 such as spruce grouse, to thrive in a changing
3.34 landscape. This appropriation is available until

4.1 June 30, 2023, by which time the project must
4.2 be completed and final products delivered.

4.3 **(f) Understanding Brainworm Transmission to**
4.4 **Find Solutions for Minnesota Moose Decline**

4.5 \$400,000 the first year is from the trust fund
4.6 to the Board of Regents of the University of
4.7 Minnesota to identify key habitats and vectors
4.8 of brainworm transmission between deer and
4.9 moose that may be targeted by resource
4.10 management to mitigate moose exposure to
4.11 this deadly condition.

4.12 **(g) Mapping Habitat Use and Disease of Urban**
4.13 **Carnivores**

4.14 \$500,000 the first year is from the trust fund
4.15 to the Board of Regents of the University of
4.16 Minnesota to map habitat use and diseases of
4.17 urban foxes and coyotes, evaluate risks these
4.18 animals may pose to people and pets, and
4.19 generate information needed to reduce
4.20 human-wildlife conflicts.

4.21 **(h) Accelerated Aggregate Resource Mapping**

4.22 \$700,000 the first year is from the trust fund
4.23 to the commissioner of natural resources to
4.24 map the aggregate resource potential for four
4.25 counties and make this information available
4.26 in print and electronic format to local units of
4.27 government for use in planning and zoning.

4.28 **(i) Den Boxes for Fishers and Other Nesting**
4.29 **Wildlife**

4.30 \$190,000 the first year is from the trust fund
4.31 to the Board of Regents of the University of
4.32 Minnesota for the Natural Resources Research
4.33 Institute in Duluth to build, install, and
4.34 evaluate den boxes as habitat enhancement
4.35 for fishers and other cavity-nesting wildlife in

5.1 managed forests where a lack of large trees
5.2 may be threatening population survival. The
5.3 final outcome for the project must include
5.4 guidelines and best practices for use of den
5.5 boxes for fisher habitat.

5.6 **(j) Red-Headed Woodpeckers as Indicators of**
5.7 **Oak Savanna Health**

5.8 \$171,000 the first year is from the trust fund
5.9 to the Board of Regents of the University of
5.10 Minnesota to evaluate red-headed woodpecker
5.11 survival and habitat needs and to use this data
5.12 to develop and disseminate a long-term oak
5.13 savanna management plan that supports
5.14 red-headed woodpeckers and other oak
5.15 savanna habitat-dependent species.

5.16 **(k) Implementing Conservation Plans for Avian**
5.17 **Species of Concern**

5.18 \$124,000 the first year is from the trust fund
5.19 to the commissioner of natural resources for
5.20 an agreement with the National Audubon
5.21 Society, Minnesota office, to establish
5.22 benchmark survey sites for implementing and
5.23 tracking outcomes of collaborative restoration
5.24 and enhancement activities within Important
5.25 Bird Areas for three bird species of
5.26 conservation concern.

5.27 **(l) Mapping Aquatic Habitats for Moose**

5.28 \$199,000 the first year is from the trust fund
5.29 to the Board of Regents of the University of
5.30 Minnesota to determine key water habitats
5.31 used by moose in northern forested regions of
5.32 Minnesota, measure the effects of moose
5.33 foraging on aquatic plant and fish diversity,
5.34 and provide educational programming
5.35 materials for the public.

6.1 **(m) Improving Statewide GIS Data by Restoring**
6.2 **the Public Land Survey**

6.3 \$135,000 the first year is from the trust fund
6.4 to the commissioner of natural resources for
6.5 an agreement with the Minnesota Association
6.6 of County Surveyors to conduct a pilot project
6.7 with Grant County to remonument and certify
6.8 the public land survey corners in Lawrence
6.9 Township. This appropriation is available until
6.10 June 30, 2021, by which time the project must
6.11 be completed and final products delivered.

6.12 **(n) County Geologic Atlases - Part A, Mapping**
6.13 **Geology**

6.14 \$2,000,000 the first year is from the trust fund
6.15 to the Board of Regents of the University of
6.16 Minnesota, Minnesota Geological Survey, to
6.17 continue producing county geologic atlases to
6.18 inform management of surface water and
6.19 groundwater resources. This appropriation is
6.20 to complete Part A, which focuses on the
6.21 properties and distribution of earth materials
6.22 to define aquifer boundaries and the
6.23 connection of aquifers to the land surface and
6.24 surface water resources.

6.25 **(o) County Geologic Atlases - Part B, Mapping**
6.26 **Aquifer Hydrology**

6.27 \$2,400,000 the first year is from the trust fund
6.28 to the commissioner of natural resources to
6.29 continue producing county geologic atlases to
6.30 inform management of surface water and
6.31 groundwater resources for drinking water and
6.32 other purposes. This appropriation is for Part
6.33 B, which uses the geologic formations mapped
6.34 in Part A of the county geologic atlases to
6.35 characterize the potential water yields of

7.1 aquifers and the aquifers' sensitivity to
7.2 contamination.

7.3 **(p) Unlocking Science of Minnesota's Moose**
7.4 **Decline**

7.5 \$199,000 the first year is from the trust fund
7.6 to the Minnesota Zoological Garden to
7.7 develop educational displays, interactive
7.8 exhibits, and engaging online programs that
7.9 summarize and share scientific findings about
7.10 moose decline in Minnesota. This
7.11 appropriation is available until June 30, 2021,
7.12 by which time the project must be completed
7.13 and final products delivered.

7.14 Subd. 4. Water Resources 5,066,000 -0-

7.15 **(a) Determining Influence of Insecticides on**
7.16 **Algal Blooms**

7.17 \$350,000 the first year is from the trust fund
7.18 to the Board of Regents of the University of
7.19 Minnesota to quantify the occurrence of
7.20 neonicotinoid insecticides in Minnesota's
7.21 surface waters and groundwaters and assess
7.22 if the insecticides are contributing to the
7.23 formation of algal blooms.

7.24 **(b) Benign Design: Environmental Studies**
7.25 **Leading to Sustainable Pharmaceuticals**

7.26 \$415,000 the first year is from the trust fund
7.27 to the Board of Regents of the University of
7.28 Minnesota to determine how to best remove
7.29 harmful fluorinated pharmaceuticals during
7.30 wastewater treatment and to develop alternate
7.31 versions of these compounds that are
7.32 medically useful but environmentally
7.33 harmless. This appropriation is subject to
7.34 Minnesota Statutes, section 116P.10.

8.1 **(c) Wastewater Nutrient Reduction through**
8.2 **Industrial Source Reduction Assistance**

8.3 \$200,000 the first year is from the trust fund
8.4 to the Board of Regents of the University of
8.5 Minnesota to provide technical assistance for
8.6 industrial facilities to optimize their processes,
8.7 reduce nutrient loads to wastewater treatment
8.8 facilities, and improve water quality. The
8.9 economic savings and water quality
8.10 improvements achieved through this work
8.11 must be documented.

8.12 **(d) Quantifying Microplastics in Minnesota's**
8.13 **Inland Lakes**

8.14 \$200,000 the first year is from the trust fund
8.15 to the Board of Regents of the University of
8.16 Minnesota for the Natural Resources Research
8.17 Institute in Duluth to quantify the amount,
8.18 type, and source of microplastics in the water,
8.19 sediment, and fishes of a range of Minnesota
8.20 lakes.

8.21 **(e) Improving Nitrogen Removal in Greater**
8.22 **Minnesota Wastewater Treatment Ponds**

8.23 \$325,000 the first year is from the trust fund
8.24 to the Board of Regents of the University of
8.25 Minnesota to assess cold weather nitrogen
8.26 cycling and different aeration methods to
8.27 improve the efficacy of Minnesota's
8.28 underperforming wastewater treatment ponds.

8.29 **(f) Improving Drinking Water for Minnesotans**
8.30 **through Pollution Prevention**

8.31 \$345,000 the first year is from the trust fund
8.32 to the Board of Regents of the University of
8.33 Minnesota to reduce exposure of Minnesotans
8.34 to a toxic, cancer-causing chemical by
8.35 identifying key pollutant precursor sources in

9.1 the upper Mississippi River watershed and
9.2 assessing options to reduce the formation of
9.3 this chemical during drinking water treatment.

9.4 **(g) Protecting Minnesota Waters by Removing**
9.5 **Contaminants from Wastewater**

9.6 \$250,000 the first year is from the trust fund
9.7 to the Board of Regents of the University of
9.8 Minnesota to develop methods for treatment
9.9 plants to remove harmful polyfluoroalkyl
9.10 substances and microplastics from wastewater
9.11 before the wastewater is released to the
9.12 environment. This appropriation is subject to
9.13 Minnesota Statutes, section 116P.10.

9.14 **(h) Reducing Municipal Wastewater Mercury**
9.15 **Pollution to Lake Superior**

9.16 \$250,000 the first year is from the trust fund
9.17 to the commissioner of the Minnesota
9.18 Pollution Control Agency to evaluate and
9.19 summarize current technologies to help
9.20 municipal wastewater plants in the Lake
9.21 Superior basin save money and reduce
9.22 mercury pollution to Lake Superior and other
9.23 Minnesota waters.

9.24 **(i) Extracting Deicing Salt from Roadside Soils**
9.25 **with Plants**

9.26 \$360,000 the first year is from the trust fund
9.27 to the Board of Regents of the University of
9.28 Minnesota to collaborate with the Department
9.29 of Transportation to evaluate potential native
9.30 plants that can be grown on roadsides to
9.31 adsorb and remove toxic salts accumulated
9.32 from deicing roads and assess uses for the
9.33 harvested material.

9.34 **(j) Transformation of Plastic Waste into Valued**
9.35 **Resource**

10.1 \$225,000 the first year is from the trust fund
10.2 to the Board of Regents of the University of
10.3 Minnesota to develop technologies that use
10.4 microbes to convert plastic waste into useful
10.5 chemical compounds and fuels, lowering the
10.6 likelihood that these materials end up in the
10.7 environment. This appropriation is subject to
10.8 Minnesota Statutes, section 116P.10.

10.9 **(k) Accelerating Perennial Crop Production to**
10.10 **Prevent Nitrate Leaching**

10.11 \$440,000 the first year is from the trust fund
10.12 to the commissioner of natural resources for
10.13 an agreement with the Stearns County Soil
10.14 and Water Conservation District to reduce
10.15 nitrate leaching on sandy soils of central
10.16 Minnesota by developing water-efficient
10.17 production methods, supply chains, and
10.18 end-use markets for three perennial crops:
10.19 Kernza, prairie species, and alfalfa. Net
10.20 income from the sale of products or assets
10.21 developed or acquired through this project
10.22 may be reinvested as described in the work
10.23 plan approved by the Legislative-Citizen
10.24 Commission on Minnesota Resources
10.25 according to Minnesota Statutes, section
10.26 116P.10.

10.27 **(l) Farm-Ready Cover Crops for Protecting**
10.28 **Water Quality**

10.29 \$741,000 the first year is from the trust fund
10.30 to the Minnesota State Colleges and
10.31 Universities System for Central Lakes College
10.32 to demonstrate conservation benefits of using
10.33 camelina and kura clover as continuous living
10.34 cover with corn-soybean rotations and to
10.35 develop secondary markets to increase farmer
10.36 adoption of this practice for protecting water

11.1 quality in vulnerable wellhead protection
11.2 areas. This appropriation is subject to
11.3 Minnesota Statutes, section 116P.10.

11.4 **(m) Setting Realistic Nitrate Reduction Goals in**
11.5 **Southeast Minnesota**

11.6 \$350,000 the first year is from the trust fund
11.7 to the Board of Regents of the University of
11.8 Minnesota to develop advanced water-flow
11.9 and age-dating tools to improve the ability of
11.10 state agencies to assess how well nitrate
11.11 reduction best management practices are
11.12 working in southeastern Minnesota.

11.13 **(n) Mapping Unprofitable Cropland for Water**
11.14 **and Wildlife**

11.15 \$100,000 the first year is from the trust fund
11.16 to the Science Museum of Minnesota for the
11.17 St. Croix Watershed Research Station to
11.18 conduct the first statewide analysis that maps
11.19 the extent of Minnesota's unprofitable
11.20 cropland and estimates both the water-quality
11.21 and habitat benefits of converting these lands
11.22 to perennial crops and vegetation. This
11.23 appropriation is available until June 30, 2021,
11.24 by which time the project must be completed
11.25 and final products delivered.

11.26 **(o) Evaluating Locally Sourced Materials for**
11.27 **Road Salt Reduction**

11.28 \$162,000 the first year is from the trust fund
11.29 to the Board of Regents of the University of
11.30 Minnesota for the Natural Resources Research
11.31 Institute in Duluth to evaluate the effectiveness
11.32 and benefits of using locally sourced wood
11.33 chips, corncobs, and iron-bearing minerals as
11.34 alternative abrasive materials to lower salt use
11.35 for protecting Minnesota's water resources.

12.1 This appropriation is subject to Minnesota
12.2 Statutes, section 116P.10. This appropriation
12.3 is available until June 30, 2021, by which time
12.4 the project must be completed and final
12.5 products delivered.

12.6 **(p) Minnesota Spring Inventory Final Phase**

12.7 \$71,000 the first year is from the trust fund to
12.8 the commissioner of natural resources to
12.9 complete the Minnesota Spring Inventory that
12.10 identifies, catalogs, and assists resource
12.11 managers in monitoring, assessing, and
12.12 protecting important and threatened statewide
12.13 water springs. This appropriation is available
12.14 until June 30, 2021, by which time the project
12.15 must be completed and final products
12.16 delivered.

12.17 **(q) Restoring Impaired Lakes through**
12.18 **Citizen-Aided Carp Management**

12.19 \$106,000 the first year is from the trust fund
12.20 to the commissioner of natural resources for
12.21 an agreement with the Carver County Water
12.22 Management Organization to quantify water
12.23 quality improvements and the
12.24 cost-effectiveness of a new citizen-aided carp
12.25 management method for restoring impaired
12.26 lakes in Minnesota.

12.27 **(r) Spring Biological Nitrate Removal to Protect**
12.28 **Drinking Water**

12.29 \$175,000 the first year is from the trust fund
12.30 to the commissioner of natural resources for
12.31 an agreement with the city of Fairmont to
12.32 build and demonstrate the effectiveness of an
12.33 experimental passive biological treatment
12.34 system to reduce nitrates that enter the city's
12.35 springtime water supply source.

13.1 **(s) Degrading Chlorinated Industrial**
13.2 **Contaminants with Bacteria**

13.3 \$1,000 the first year is from the trust fund to
13.4 the Board of Regents of the University of
13.5 Minnesota to determine the best way to
13.6 stimulate bacteria to more quickly and
13.7 completely remove industrial chlorinated
13.8 pollutants from contaminated sites. On the day
13.9 following final enactment, the following
13.10 amounts from unobligated appropriations to
13.11 the Board of Regents of the University of
13.12 Minnesota are transferred and added to this
13.13 appropriation: \$75,000 in Laws 2016, chapter
13.14 186, section 2, subdivision 4, paragraph (l),
13.15 and \$74,000 in Laws 2016, chapter 186,
13.16 section 2, subdivision 6, paragraph (b).

13.17 **Subd. 5. Technical Assistance, Outreach, and**
13.18 **Environmental Education**

886,000 -0-

13.19 **(a) Expanding Camp Sunrise Environmental**
13.20 **Program**

13.21 \$237,000 the first year is from the trust fund
13.22 to the commissioner of natural resources for
13.23 an agreement with YouthCare Minnesota to
13.24 expand camp opportunities to more school
13.25 districts and implement improved hands-on
13.26 environmental education programs for
13.27 economically disadvantaged youth.

13.28 **(b) Connecting Students to Boundary Waters**

13.29 \$450,000 the first year is from the trust fund
13.30 to the commissioner of natural resources for
13.31 an agreement with Friends of the Boundary
13.32 Waters Wilderness to connect approximately
13.33 6,500 students to the boundary waters through
13.34 classroom education and wilderness canoe
13.35 experiences for diverse and underserved

14.1 populations across Minnesota. This
14.2 appropriation is available until June 30, 2023,
14.3 by which time the project must be completed
14.4 and final products delivered.

14.5 **(c) Mississippi National River and Recreation**
14.6 **Area Forest Restoration**

14.7 \$199,000 the first year is from the trust fund
14.8 to the commissioner of natural resources for
14.9 an agreement with the Mississippi Park
14.10 Connection to work with Conservation Corps
14.11 Minnesota, local communities, and volunteers
14.12 to address the loss of ash trees to emerald ash
14.13 borer by planting approximately 15,000 native
14.14 trees and plants in affected areas in the
14.15 Mississippi National River and Recreation
14.16 Area.

14.17 **Subd. 6. Aquatic and Terrestrial Invasive**
14.18 **Species**

3,100,000 -0-

14.19 **(a) Building Knowledge and Capacity to Solve**
14.20 **AIS Problems**

14.21 \$3,000,000 the first year is from the trust fund
14.22 to the Board of Regents of the University of
14.23 Minnesota to support the Minnesota Aquatic
14.24 Invasive Species Research Center in
14.25 developing solutions to Minnesota's aquatic
14.26 invasive species problems through research,
14.27 control, prevention, outreach, and early
14.28 detection of existing and emerging aquatic
14.29 invasive species threats. This appropriation is
14.30 available until June 30, 2023, by which time
14.31 the project must be completed and final
14.32 products delivered.

14.33 **(b) Oak Wilt Suppression at its Northern Edge**

14.34 \$100,000 the first year is from the trust fund
14.35 to the commissioner of natural resources for

15.1 an agreement with Morrison Soil and Water
15.2 Conservation District to eradicate the
15.3 northern-most occurrences of oak wilt in the
15.4 state through mechanical means on select
15.5 private properties to prevent oak wilt's spread
15.6 to healthy state forest habitats.

15.7 Subd. 7. Air Quality and Renewable Energy 1,485,000 -0-

15.8 **(a) Development of Clean Energy Storage**
15.9 **Systems for Farms**

15.10 \$650,000 the first year is from the trust fund
15.11 to the Board of Regents of the University of
15.12 Minnesota for the West Central Research and
15.13 Outreach Center at Morris to develop and test
15.14 novel clean energy storage systems for farms
15.15 using wind-generated ammonia to displace
15.16 fossil fuels and reduce greenhouse gas
15.17 emissions. This appropriation is subject to
15.18 Minnesota Statutes, section 116P.10.

15.19 **(b) White Earth Nation Community Solar for**
15.20 **Economic Resilience**

15.21 \$500,000 the first year is from the trust fund
15.22 to the commissioner of natural resources for
15.23 an agreement with Rural Renewable Energy
15.24 Alliance to install a 200-kW White Earth
15.25 community-owned solar garden to reduce
15.26 greenhouse gas emissions, increase economic
15.27 development through environmental education
15.28 and solar workforce training, and improve
15.29 energy resilience.

15.30 **(c) Sustainable Solar Energy from Agricultural**
15.31 **Plant By-Products**

15.32 \$185,000 the first year is from the trust fund
15.33 to the Board of Regents of the University of
15.34 Minnesota, Morris, to use regional plant-based

16.1 agricultural by-products to fabricate solar cells
16.2 for creating renewable and affordable energy.

16.3 **(d) Morris Energy and Environment Community**
16.4 **Resilience Plan**

16.5 \$150,000 the first year is from the trust fund
16.6 to the commissioner of natural resources for
16.7 an agreement with the city of Morris to
16.8 develop and begin implementing community
16.9 resilience plans for energy and the
16.10 environment and to create a model guide for
16.11 other Minnesota communities to create and
16.12 implement their own plans.

16.13 **Subd. 8. Methods to Protect or Restore Land,**
16.14 **Water, and Habitat**

4,453,000 -0-

16.15 **(a) Saving Endangered Pollinators through**
16.16 **Data-Driven Prairie Restoration**

16.17 \$800,000 the first year is from the trust fund.
16.18 Of this amount, \$630,000 is to the Minnesota
16.19 Zoological Garden and \$170,000 is to the
16.20 commissioner of natural resources to
16.21 reestablish populations of Minnesota's
16.22 imperiled butterflies through reintroductions
16.23 and prairie restorations and by developing
16.24 foundational habitat recommendations for
16.25 preventing future extinctions. This
16.26 appropriation is available until June 30, 2023,
16.27 by which time the project must be completed
16.28 and final products delivered.

16.29 **(b) Promoting and Restoring Oak Savanna**
16.30 **Using Silvopasture**

16.31 \$750,000 the first year is from the trust fund
16.32 to the Board of Regents of the University of
16.33 Minnesota to demonstrate, evaluate, and
16.34 increase adoption of the combined use of
16.35 intensive tree, forage, and livestock

17.1 management as a method to restore threatened
17.2 oak savanna habitats.

17.3 **(c) Sauk River Dam Removal and Rock Rapids**
17.4 **Replacement**

17.5 \$2,768,000 the first year is from the trust fund
17.6 to the commissioner of natural resources for
17.7 an agreement with the city of Melrose to
17.8 remove an existing fixed-elevation dam,
17.9 construct a rock arch rapids, and conduct
17.10 in-stream and shoreline habitat restoration to
17.11 improve water quality and native fish passage
17.12 in the Sauk River. This project requires a
17.13 match of at least \$1,400,000 that must be
17.14 secured before trust fund money is spent. At
17.15 least \$700,000 of this match must come from
17.16 the city of Melrose. City of Melrose expenses
17.17 for the Sauk River dam removal and rock
17.18 rapids replacement incurred before July 1,
17.19 2019, may be counted toward the match.

17.20 **(d) Conserving and Monitoring Minnesota's**
17.21 **Rare Arctic Plants**

17.22 \$135,000 the first year is from the trust fund
17.23 to the Board of Regents of the University of
17.24 Minnesota to provide monitoring and invasive
17.25 species removal to conserve rare and
17.26 endangered arctic plants on Minnesota's North
17.27 Shore. This appropriation is available until
17.28 June 30, 2023, by which time the project must
17.29 be completed and final products delivered.

17.30 **Subd. 9. Land Acquisition, Habitat, and**
17.31 **Recreation**

25,101,000

-0-

17.32 **(a) Minnesota Scientific and Natural Areas**

17.33 \$3,500,000 the first year is from the trust fund
17.34 to the commissioner of natural resources for
17.35 the scientific and natural areas (SNA) program

18.1 to restore and enhance wildlife habitat on
18.2 SNAs, increase public involvement and
18.3 outreach, and strategically acquire high-quality
18.4 lands that meet criteria for SNAs under
18.5 Minnesota Statutes, section 86A.05, from
18.6 willing sellers. A list of proposed acquisitions
18.7 and restorations is required in the work plan.

18.8 **(b) Grants for Local Parks, Trails, and Natural**
18.9 **Areas**

18.10 \$3,000,000 the first year is from the trust fund
18.11 to the commissioner of natural resources to
18.12 solicit, rank, and fund competitive matching
18.13 grants for local parks, trail connections, and
18.14 natural and scenic areas under Minnesota
18.15 Statutes, section 85.019. The appropriation is
18.16 for local nature-based recreation, connections
18.17 to regional and state natural areas, and
18.18 recreation facilities and not for athletic
18.19 facilities such as sport fields, courts, and
18.20 playgrounds.

18.21 **(c) Minnesota State Parks and State Trails**
18.22 **In-Holdings**

18.23 \$2,000,000 the first year is from the trust fund
18.24 to the commissioner of natural resources to
18.25 acquire high-priority in-holdings from willing
18.26 sellers within the legislatively authorized
18.27 boundaries of state parks and trails to protect
18.28 Minnesota's natural heritage, enhance outdoor
18.29 recreational opportunities, and improve the
18.30 efficiency of public land management.
18.31 Priorities include but are not limited to
18.32 Minneopa, St. Croix, Frontenac, and Crow
18.33 Wing State Parks. A list of proposed
18.34 acquisitions is required in the work plan.

18.35 **(d) Minnesota State Trails Development**

19.1 \$5,000,000 the first year is from the trust fund
19.2 to the commissioner of natural resources to
19.3 expand high-priority recreational opportunities
19.4 on Minnesota's state trails by developing new
19.5 trail segments and rehabilitating, improving,
19.6 and enhancing existing state trails.

19.7 High-priority trail bridges to rehabilitate or
19.8 replace include, but are not limited to, those
19.9 on the Arrowhead, Central Lakes,
19.10 Harmony-Preston Valley, Matthew Lourey,
19.11 and North Shore State Trails. High-priority
19.12 trail segments to develop and enhance include,
19.13 but are not limited to, the Paul Bunyan,
19.14 Gateway, Heartland, Gitchi Gami, and
19.15 Minnesota Valley State Trails. A proposed list
19.16 of trail projects on legislatively authorized
19.17 state trails is required in the work plan. This
19.18 appropriation is available until June 30, 2021,
19.19 by which time the project must be completed
19.20 and final products delivered.

19.21 **(e) National Loon Center**

19.22 \$4,000,000 the first year is from the trust fund
19.23 to the commissioner of natural resources for
19.24 an agreement with the National Loon Center
19.25 Foundation, in partnership with a fiscal agent
19.26 to be approved by the Legislative-Citizen
19.27 Commission on Minnesota Resources, to
19.28 construct an approximately 15,000-square-foot
19.29 National Loon Center in Cross Lake dedicated
19.30 to loon survival, loon habitat protection and
19.31 research, and recreation. Of this amount, up
19.32 to \$1,449,000 is for planning, design, and
19.33 construction of approximately six outdoor
19.34 demonstration learning kiosks, interpretive
19.35 trails, boardwalks and boat docks, a fishing

20.1 dock, and native landscaping along
20.2 approximately 3,100 feet of shoreline. Any
20.3 remaining funds are for planning, engineering,
20.4 and constructing the building and indoor
20.5 exhibits. A land lease commitment of at least
20.6 25 years and fiscal sponsorship must be
20.7 secured before any trust fund money is spent.
20.8 This project requires a match of at least
20.9 \$6,000,000. At least \$2,000,000 of this match
20.10 must come from nonstate sources. If naming
20.11 rights will be conveyed, the National Loon
20.12 Center Foundation must include a plan for this
20.13 in the work plan. All matching funds must be
20.14 legally committed before any trust fund money
20.15 may be spent on planning activities for or
20.16 construction of the building and indoor
20.17 exhibits. Net income generated from
20.18 admissions, naming rights, and memberships
20.19 to the National Loon Center as a result of trust
20.20 fund contributions may be reinvested in the
20.21 center's long-term loon conservation efforts
20.22 as described in the work plan approved by the
20.23 Legislative-Citizen Commission on Minnesota
20.24 Resources according to Minnesota Statutes,
20.25 section 116P.10.

20.26 **(f) Accessible Fishing Piers**

20.27 \$320,000 the first year is from the trust fund
20.28 to the commissioner of natural resources to
20.29 provide accessible fishing piers in locations
20.30 that have a high potential to serve new angling
20.31 communities, underserved populations, and
20.32 anglers with physical disabilities. This
20.33 appropriation is available until June 30, 2021,
20.34 by which time the project must be completed
20.35 and final products delivered.

(g) Mesabi Trail Extensions

21.2 \$3,000,000 the first year is from the trust fund
21.3 to the commissioner of natural resources for
21.4 an agreement with the St. Louis and Lake
21.5 Counties Regional Railroad Authority for
21.6 environmental assessment, permitting,
21.7 right-of-way easements or other acquisition
21.8 as needed, and engineering for and
21.9 construction of four trail segments beginning
21.10 and ending at the following approximate
21.11 locations: Darwin Meyers Wildlife
21.12 Management Area to County Road 21,
21.13 Embarrass to Kugler, County Road 128 to the
21.14 Eagles Nest Town Hall, and Wolf Creek to
21.15 the Highway 169 underpass.

(h) Britton Peak to Lutsen Mountain Bike Trail

21.17 \$300,000 the first year is from the trust fund
21.18 to the commissioner of natural resources for
21.19 an agreement with the Superior Cycling
21.20 Association to create a sustainably designed
21.21 single-track mountain bike trail connecting
21.22 trail clusters and trailheads between Britton
21.23 Peak in Tofte and Lutsen Mountains as part
21.24 of northeast Minnesota's effort to become a
21.25 national recreation destination. This
21.26 appropriation is available until June 30, 2021,
21.27 by which time the project must be completed
21.28 and final products delivered.

(i) Preserving Avon Hills with Reverse-Bidding Easements

21.31 \$1,600,000 the first year is from the trust fund
21.32 to the commissioner of natural resources for
21.33 an agreement with Saint John's University in
21.34 cooperation with Minnesota Land Trust to
21.35 restore and enhance protected lands, provide

22.1 public outreach, and prepare management
22.2 plans for and use a reverse-bid ranking system
22.3 to secure permanent conservation easements
22.4 on high-quality natural habitat in the Avon
22.5 Hills area of Stearns County. Of this amount,
22.6 up to \$168,000 is for use by Minnesota Land
22.7 Trust in a monitoring fund as approved in the
22.8 work plan and subject to Minnesota Statutes,
22.9 section 116P.20. An annual financial report is
22.10 required for any monitoring, management, and
22.11 enforcement fund, including expenditures from
22.12 the fund. A proposed list of acquisitions and
22.13 restorations must be provided in the work plan.
22.14 This appropriation is available until June 30,
22.15 2024, by which time the project must be
22.16 completed and final products delivered.

22.17 **(j) Birch Lake Recreation Area Campground**

22.18 \$350,000 the first year is from the trust fund
22.19 to the commissioner of natural resources for
22.20 an agreement with the city of Babbitt to
22.21 expand Birch Lake Recreation Area by adding
22.22 a new campground for recreational vehicles
22.23 and tent campers. This project requires a
22.24 match of at least \$2,800,000 that must be
22.25 secured before trust fund money is spent. At
22.26 least \$800,000 of this match must come from
22.27 the city of Babbitt. Net income generated from
22.28 admissions to the campground created as a
22.29 result of trust fund contributions may be
22.30 reinvested into the campground's long-term
22.31 operations as described in the work plan
22.32 approved by the Legislative-Citizen
22.33 Commission on Minnesota Resources
22.34 according to Minnesota Statutes, section
22.35 116P.10.

23.1 **(k) Bailey Lake Trail and Fishing Pier**

23.2 \$550,000 the first year is from the trust fund
23.3 to the commissioner of natural resources for
23.4 an agreement with the city of Virginia to
23.5 reconstruct the existing Bailey Lake Trail and
23.6 construct a new fishing pier on Bailey Lake
23.7 that is accessible from the trail.

23.8 **(l) Vergas Long Lake Trail**

23.9 \$290,000 the first year is from the trust fund
23.10 to the commissioner of natural resources for
23.11 an agreement with the city of Vergas to
23.12 construct a bicycle and pedestrian bridge, trail,
23.13 and floating boardwalk along Long Lake
23.14 including shoreline restoration and
23.15 stabilization with native plants. This
23.16 appropriation is available until June 30, 2021,
23.17 by which time the project must be completed
23.18 and final products delivered.

23.19 **(m) Glacial Edge Trail and Downtown**
23.20 **Pedestrian Bridge**

23.21 \$600,000 the first year is from the trust fund
23.22 to the commissioner of natural resources for
23.23 an agreement with the city of Fergus Falls to
23.24 acquire easements for and construct a trail
23.25 along the Otter Tail River in downtown Fergus
23.26 Falls and a bicycle and pedestrian bridge
23.27 crossing the river. This appropriation is
23.28 available until June 30, 2021, by which time
23.29 the project must be completed and final
23.30 products delivered.

23.31 **(n) Crane Lake to Vermilion Falls Trail**

23.32 \$400,000 the first year is from the trust fund
23.33 to the commissioner of natural resources for
23.34 an agreement with St. Louis County in

24.1 cooperation with Voyageur Country ATV
24.2 Club to designate and improve a wooded trail
24.3 from Crane Lake to Vermilion Falls to
24.4 accommodate all-terrain vehicle and
24.5 snowmobile users. This appropriation is
24.6 available until June 30, 2021, by which time
24.7 the project must be completed and final
24.8 products delivered.

24.9 **(o) Restoring Five Sections of Superior Hiking**
24.10 **Trail**

24.11 \$191,000 the first year is from the trust fund
24.12 to the commissioner of natural resources for
24.13 an agreement with the Superior Hiking Trail
24.14 Association to restore and repair the most
24.15 damaged parts of five sections of the Superior
24.16 Hiking Trail and restore an abandoned route
24.17 to a natural footpath for hikers.

24.18 **Subd. 10. Administration and Contract**
24.19 **Agreement Reimbursement** 1,538,000

-0-

24.20 **(a) Contract Agreement Reimbursement**

24.21 \$135,000 the first year is from the trust fund
24.22 to the commissioner of natural resources, at
24.23 the direction of the Legislative-Citizen
24.24 Commission on Minnesota Resources, for
24.25 expenses incurred for preparing and
24.26 administering contracts for the agreements
24.27 specified in this section. The commissioner
24.28 must provide documentation to the
24.29 Legislative-Citizen Commission on Minnesota
24.30 Resources on the expenditure of these funds.
24.31 This appropriation is available until June 30,
24.32 2021, by which time the project must be
24.33 completed and final products delivered.

24.34 **(b) Legislative-Citizen Commission on**
24.35 **Minnesota Resources (LCCMR) Administration**

25.1 \$1,400,000 the first year is from the trust fund
25.2 to the Legislative-Citizen Commission on
25.3 Minnesota Resources for administration in
25.4 fiscal years 2020 and 2021 as provided in
25.5 Minnesota Statutes, section 116P.09,
25.6 subdivision 5.

25.7 **(c) Legislative Coordinating Commission (LCC)**
25.8 **Administration**

25.9 \$3,000 the first year is from the trust fund to
25.10 the Legislative Coordinating Commission for
25.11 the website required in Minnesota Statutes,
25.12 section 3.303, subdivision 10.

25.13 **Subd. 11. Wastewater Treatment**
25.14 **Recommendations**

9,840,000 -0-

25.15 **(a) Water Infrastructure Funding Program**

25.16 \$9,340,000 the first year is from the trust fund
25.17 to the Public Facilities Authority for grants
25.18 for wastewater projects under the water
25.19 infrastructure funding program under
25.20 Minnesota Statutes, section 446A.072, to
25.21 home rule and statutory cities and towns with
25.22 a population under 5,000. The commissioner
25.23 of the Pollution Control Agency must work
25.24 with communities that receive grants under
25.25 this paragraph to identify pollutant reduction
25.26 opportunities related to wastewater projects
25.27 funded under this paragraph. This
25.28 appropriation is available until June 30, 2023,
25.29 by which time projects must be completed and
25.30 final products delivered.

25.31 **(b) Optimizing Local Mechanical and Pond**
25.32 **Wastewater-Treatment Plants**

25.33 \$500,000 the first year is from the trust fund
25.34 to the commissioner of the Pollution Control
25.35 Agency for the pilot program created under

26.1 Laws 2018, chapter 214, article 4, section 2,
26.2 subdivision 4, paragraph (a). This
26.3 appropriation is available until June 30, 2021,
26.4 by which time projects must be completed and
26.5 final products delivered.

26.6 **Subd. 12. Fiscal Year 2019 Appropriations**

26.7 **(a) Diagnostic Test for Chronic Wasting**
26.8 **Disease**

26.9 \$1,804,000 in fiscal year 2019 is appropriated
26.10 from the environment and natural resources
26.11 trust fund to the Board of Regents of the
26.12 University of Minnesota to develop a
26.13 diagnostic test for chronic wasting disease that
26.14 uses samples from living deer. This
26.15 appropriation is subject to Minnesota Statutes,
26.16 section 116P.10. This is a onetime
26.17 appropriation and is available until June 30,
26.18 2021, by which time projects must be
26.19 completed and final products delivered.

26.20 **(b) Wastewater Infrastructure Funding**

26.21 \$1,136,000 in fiscal year 2019 is appropriated
26.22 from the environment and natural resources
26.23 trust fund to the Public Facilities Authority
26.24 for grants for wastewater projects under the
26.25 water infrastructure funding program under
26.26 Minnesota Statutes, section 446A.072, to
26.27 home rule and statutory cities and towns with
26.28 a population under 5,000. The commissioner
26.29 of the Pollution Control Agency must work
26.30 with communities that receive grants under
26.31 this paragraph to identify pollutant reduction
26.32 opportunities related to wastewater projects
26.33 funded under this paragraph. This is a onetime
26.34 appropriation and is available until June 30,

27.1 2023, by which time projects must be
27.2 completed and final products delivered.

27.3 **Subd. 13. Availability of Appropriations**

27.4 Money appropriated in this section may not
27.5 be spent on activities unless they are directly
27.6 related to and necessary for a specific
27.7 appropriation and are specified in the work
27.8 plan approved by the Legislative-Citizen
27.9 Commission on Minnesota Resources. Money
27.10 appropriated in this section must not be spent
27.11 on indirect costs or other institutional overhead
27.12 charges that are not directly related to and
27.13 necessary for a specific appropriation. Costs
27.14 that are directly related to and necessary for
27.15 an appropriation, including financial services,
27.16 human resources, information services, rent,
27.17 and utilities, are eligible only if the costs can
27.18 be clearly justified and individually
27.19 documented specific to the appropriation's
27.20 purpose and would not be generated by the
27.21 recipient but for receipt of the appropriation.
27.22 No broad allocations for costs in either dollars
27.23 or percentages are allowed. Unless otherwise
27.24 provided, the amounts in this section are
27.25 available until June 30, 2022, when projects
27.26 must be completed and final products
27.27 delivered. For acquisition of real property, the
27.28 appropriations in this section are available for
27.29 an additional fiscal year if a binding contract
27.30 for acquisition of the real property is entered
27.31 into before the expiration date of the
27.32 appropriation. If a project receives a federal
27.33 grant, the time period of the appropriation is
27.34 extended to equal the federal grant period.

28.1 **Subd. 14. Data Availability Requirements**

28.2 Data collected by the projects funded under
28.3 this section must conform to guidelines and
28.4 standards adopted by MN.IT Services. Spatial
28.5 data must also conform to additional
28.6 guidelines and standards designed to support
28.7 data coordination and distribution that have
28.8 been published by the Minnesota Geospatial
28.9 Information Office. Descriptions of spatial
28.10 data must be prepared as specified in the state's
28.11 geographic metadata guideline and must be
28.12 submitted to the Minnesota Geospatial
28.13 Information Office. All data must be
28.14 accessible and free to the public unless made
28.15 private under the Data Practices Act,
28.16 Minnesota Statutes, chapter 13. To the extent
28.17 practicable, summary data and results of
28.18 projects funded under this section should be
28.19 readily accessible on the Internet and
28.20 identified as having received funding from the
28.21 environment and natural resources trust fund.

28.22 **Subd. 15. Project Requirements**

28.23 (a) As a condition of accepting an
28.24 appropriation under this section, an agency or
28.25 entity receiving an appropriation or a party to
28.26 an agreement from an appropriation must
28.27 comply with paragraphs (b) to (l) and
28.28 Minnesota Statutes, chapter 116P, and must
28.29 submit a work plan and annual or semiannual
28.30 progress reports in the form determined by the
28.31 Legislative-Citizen Commission on Minnesota
28.32 Resources for any project funded in whole or
28.33 in part with funds from the appropriation.
28.34 Modifications to the approved work plan and
28.35 budget expenditures must be made through

29.1 the amendment process established by the
29.2 Legislative-Citizen Commission on Minnesota
29.3 Resources.

29.4 (b) A recipient of money appropriated in this
29.5 section that conducts a restoration using funds
29.6 appropriated in this section must use native
29.7 plant species according to the Board of Water
29.8 and Soil Resources' native vegetation
29.9 establishment and enhancement guidelines
29.10 and include an appropriate diversity of native
29.11 species selected to provide habitat for
29.12 pollinators throughout the growing season as
29.13 required under Minnesota Statutes, section
29.14 84.973.

29.15 (c) For all restorations conducted with money
29.16 appropriated under this section, a recipient
29.17 must prepare an ecological restoration and
29.18 management plan that, to the degree
29.19 practicable, is consistent with the
29.20 highest-quality conservation and ecological
29.21 goals for the restoration site. Consideration
29.22 should be given to soil, geology, topography,
29.23 and other relevant factors that would provide
29.24 the best chance for long-term success and
29.25 durability of the restoration project. The plan
29.26 must include the proposed timetable for
29.27 implementing the restoration, including site
29.28 preparation, establishment of diverse plant
29.29 species, maintenance, and additional
29.30 enhancement to establish the restoration;
29.31 identify long-term maintenance and
29.32 management needs of the restoration and how
29.33 the maintenance, management, and
29.34 enhancement will be financed; and take
29.35 advantage of the best-available science and

30.1 include innovative techniques to achieve the
30.2 best restoration.

30.3 (d) An entity receiving an appropriation in this
30.4 section for restoration activities must provide
30.5 an initial restoration evaluation at the
30.6 completion of the appropriation and an
30.7 evaluation three years after the completion of
30.8 the expenditure. Restorations must be
30.9 evaluated relative to the stated goals and
30.10 standards in the restoration plan, current
30.11 science, and, when applicable, the Board of
30.12 Water and Soil Resources' native vegetation
30.13 establishment and enhancement guidelines.
30.14 The evaluation must determine whether the
30.15 restorations are meeting planned goals,
30.16 identify any problems with implementing the
30.17 restorations, and, if necessary, give
30.18 recommendations on improving restorations.
30.19 The evaluation must be focused on improving
30.20 future restorations.

30.21 (e) All restoration and enhancement projects
30.22 funded with money appropriated in this section
30.23 must be on land permanently protected by a
30.24 conservation easement or public ownership.

30.25 (f) A recipient of money from an appropriation
30.26 under this section must give consideration to
30.27 contracting with Conservation Corps
30.28 Minnesota for contract restoration and
30.29 enhancement services.

30.30 (g) All conservation easements acquired with
30.31 money appropriated under this section must:

30.32 (1) be permanent;
30.33 (2) specify the parties to an easement in the
30.34 easement;

31.1 (3) specify all of the provisions of an
31.2 agreement that are permanent;

31.3 (4) be sent to the Legislative-Citizen
31.4 Commission on Minnesota Resources in an
31.5 electronic format at least ten business days
31.6 before closing;

31.7 (5) include a long-term monitoring and
31.8 enforcement plan and funding for monitoring
31.9 and enforcing the easement agreement; and

31.10 (6) include requirements in the easement
31.11 document to protect the quantity and quality
31.12 of groundwater and surface water through
31.13 specific activities such as keeping water on
31.14 the landscape, reducing nutrient and
31.15 contaminant loading, and not permitting
31.16 artificial hydrological modifications.

31.17 (h) For any acquisition of lands or interest in
31.18 lands, a recipient of money appropriated under
31.19 this section must not agree to pay more than
31.20 100 percent of the appraised value for a parcel
31.21 of land using this money to complete the
31.22 purchase, in part or in whole, except that up
31.23 to ten percent above the appraised value may
31.24 be allowed to complete the purchase, in part
31.25 or in whole, using this money if permission is
31.26 received in advance of the purchase from the
31.27 Legislative-Citizen Commission on Minnesota
31.28 Resources.

31.29 (i) For any acquisition of land or interest in
31.30 land, a recipient of money appropriated under
31.31 this section must give priority to high-quality
31.32 natural resources or conservation lands that
31.33 provide natural buffers to water resources.

32.1 (j) For new lands acquired with money
32.2 appropriated under this section, a recipient
32.3 must prepare an ecological restoration and
32.4 management plan in compliance with
32.5 paragraph (c), including sufficient funding for
32.6 implementation unless the work plan addresses
32.7 why a portion of the money is not necessary
32.8 to achieve a high-quality restoration.

32.9 (k) To ensure public accountability for using
32.10 public funds, a recipient of money
32.11 appropriated under this section must, within
32.12 60 days of the transaction, provide to the
32.13 Legislative-Citizen Commission on Minnesota
32.14 Resources documentation of the selection
32.15 process used to identify parcels acquired and
32.16 provide documentation of all related
32.17 transaction costs, including but not limited to
32.18 appraisals, legal fees, recording fees,
32.19 commissions, other similar costs, and
32.20 donations. This information must be provided
32.21 for all parties involved in the transaction. The
32.22 recipient must also report to the
32.23 Legislative-Citizen Commission on Minnesota
32.24 Resources any difference between the
32.25 acquisition amount paid to the seller and the
32.26 state-certified or state-reviewed appraisal, if
32.27 a state-certified or state-reviewed appraisal
32.28 was conducted.

32.29 (l) A recipient of an appropriation from the
32.30 trust fund under this section must acknowledge
32.31 financial support from the environment and
32.32 natural resources trust fund in project
32.33 publications, signage, and other public
32.34 communications and outreach related to work
32.35 completed using the appropriation.

33.1 Acknowledgment may occur, as appropriate,
33.2 through use of the trust fund logo or inclusion
33.3 of language attributing support from the trust
33.4 fund. Each direct recipient of money
33.5 appropriated in this section, as well as each
33.6 recipient of a grant awarded pursuant to this
33.7 section, must satisfy all reporting and other
33.8 requirements incumbent upon constitutionally
33.9 dedicated funding recipients as provided in
33.10 Minnesota Statutes, section 3.303, subdivision
33.11 10, and chapter 116P.

33.12 **Subd. 16. Payment Conditions and**
33.13 **Capital-Equipment Expenditures**

33.14 (a) All agreements, grants, or contracts
33.15 referred to in this section must be administered
33.16 on a reimbursement basis unless otherwise
33.17 provided in this section. Notwithstanding
33.18 Minnesota Statutes, section 16A.41,
33.19 expenditures made on or after July 1, 2019,
33.20 or the date the work plan is approved,
33.21 whichever is later, are eligible for
33.22 reimbursement unless otherwise provided in
33.23 this section. Periodic payments must be made
33.24 upon receiving documentation that the
33.25 deliverable items articulated in the approved
33.26 work plan have been achieved, including
33.27 partial achievements as evidenced by approved
33.28 progress reports. Reasonable amounts may be
33.29 advanced to projects to accommodate
33.30 cash-flow needs or match federal money. The
33.31 advances must be approved as part of the work
33.32 plan. No expenditures for capital equipment
33.33 are allowed unless expressly authorized in the
33.34 project work plan.

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

34.3 **Subd. 17. Purchase of Recycled and Recyclable**
34.4 **Materials**

34.5 A political subdivision, public or private
34.6 corporation, or other entity that receives an
34.7 appropriation under this section must use the
34.8 appropriation in compliance with Minnesota
34.9 Statutes, section 16C.0725, regarding
34.10 purchasing recycled, repairable, and durable
34.11 materials and Minnesota Statutes, section
34.12 16C.073, regarding purchasing and using
34.13 paper stock and printing.

34.14 **Subd. 18. Energy Conservation and Sustainable**
34.15 **Building Guidelines**

34.16 A recipient to whom an appropriation is made
34.17 under this section for a capital improvement
34.18 project must ensure that the project complies
34.19 with the applicable energy conservation and
34.20 sustainable building guidelines and standards
34.21 contained in law, including Minnesota
34.22 Statutes, sections 16B.325, 216C.19, and
34.23 216C.20, and rules adopted under those
34.24 sections. The recipient may use the energy
34.25 planning, advocacy, and State Energy Office
34.26 units of the Department of Commerce to
34.27 obtain information and technical assistance
34.28 on energy conservation and alternative-energy
34.29 development relating to planning and
34.30 constructing the capital improvement project.

34.31 **Subd. 19. Accessibility**

34.32 Structural and nonstructural facilities must
34.33 meet the design standards in the Americans
34.34 with Disabilities Act (ADA) accessibility
34.35 guidelines.

35.1 Subd. 20. Carryforward; Extension35.2 (a) The availability of the appropriations for
35.3 the following projects is extended to June 30,
35.4 2020:35.5 (1) Laws 2015, chapter 76, section 2,
35.6 subdivision 3, paragraph (g), Minnesota
35.7 Native Bee Atlas;35.8 (2) Laws 2015, chapter 76, section 2,
35.9 subdivision 4, paragraph (f), Southeast
35.10 Minnesota Subsurface Drainage Impacts on
35.11 Groundwater Recharge;35.12 (3) Laws 2015, chapter 76, section 2,
35.13 subdivision 10, Emerging Issues Account;35.14 (4) Laws 2016, chapter 186, section 2,
35.15 subdivision 3, paragraph (a), Data-Driven
35.16 Pollinator Conservation Strategies;35.17 (5) Laws 2016, chapter 186, section 2,
35.18 subdivision 3, paragraph (c), Prairie Butterfly
35.19 Conservation, Research, and Breeding - Phase35.20 II;35.21 (6) Laws 2016, chapter 186, section 2,
35.22 subdivision 4, paragraph (h), Protection of
35.23 State's Confined Drinking Water Aquifers -
35.24 Phase II;35.25 (7) Laws 2016, chapter 186, section 2,
35.26 subdivision 4, paragraph (r), Morrison County
35.27 Performance Drainage and Hydrology
35.28 Management;35.29 (8) Laws 2016, chapter 186, section 2,
35.30 subdivision 6, paragraph (c), Advancing
35.31 Microbial Invasive Species Monitoring from
35.32 Ballast Discharge;

36.1 (9) Laws 2016, chapter 186, section 2,
36.2 subdivision 6, paragraph (e), Elimination of
36.3 Target Invasive Plant Species - Phase II;
36.4 (10) Laws 2016, chapter 186, section 2,
36.5 subdivision 8, paragraph (a), Bee Pollinator
36.6 Habitat Enhancement - Phase II;
36.7 (11) Laws 2016, chapter 186, section 2,
36.8 subdivision 8, paragraph (b), Measuring Pollen
36.9 and Seed Dispersal for Prairie Fragment
36.10 Connectivity;
36.11 (12) Laws 2016, chapter 186, section 2,
36.12 subdivision 8, paragraph (f), Forest
36.13 Management for Mississippi River Drinking
36.14 Water Protection;
36.15 (13) Laws 2016, chapter 186, section 2,
36.16 subdivision 9, paragraph (b), Minnesota Point
36.17 Pine Forest Scientific and Natural Area
36.18 Acquisition; and
36.19 (14) Laws 2017, chapter 96, section 2,
36.20 subdivision 4, paragraph (a), Assessment of
36.21 Household Chemicals and Herbicides in
36.22 Rivers and Lakes.
36.23 (b) The availability of the appropriation under
36.24 Laws 2017, chapter 96, section 2, subdivision
36.25 7, paragraph (b), Assessment of Urban Air
36.26 Quality, is extended to June 30, 2021.
36.27 Sec. 3. Laws 2015, chapter 76, section 2, subdivision 9, as amended by Laws 2018, chapter
36.28 214, article 4, section 5, is amended to read:
36.29 **Subd. 9. Land Acquisition for Habitat and**
36.30 **Recreation** 14,190,000 -0-
36.31 **(a) State Parks and Trails Land**
36.32 **Acquisitions**

37.1 \$1,500,000 the first year is from the trust fund
37.2 to the commissioner of natural resources to
37.3 acquire at least 335 acres for authorized state
37.4 trails and critical parcels within the statutory
37.5 boundaries of state parks. State park land
37.6 acquired with this appropriation must be
37.7 sufficiently improved to meet at least
37.8 minimum management standards, as
37.9 determined by the commissioner of natural
37.10 resources. A list of proposed acquisitions must
37.11 be provided as part of the required work plan.
37.12 This appropriation is available until June 30,
37.13 2018, by which time the project must be
37.14 completed and final products delivered.

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

37.16 **Land Acquisition - Phase IV**

37.17 \$1,000,000 the first year is from the trust fund
37.18 to the Metropolitan Council for grants to
37.19 acquire ~~at least 133~~ approximately 90 acres of
37.20 lands within the approved park unit boundaries
37.21 of the metropolitan regional park system. This
37.22 appropriation may not be used to purchase
37.23 habitable residential structures. A list of
37.24 proposed fee title and easement acquisitions
37.25 must be provided as part of the required work
37.26 plan. This appropriation must be matched by
37.27 at least 40 percent of nonstate money that must
37.28 be committed by December 31, 2015, or the
37.29 appropriation cancels. This appropriation is
37.30 available until June 30, 2018, by which time
37.31 the project must be completed and final
37.32 products delivered.

37.33 **(c) SNA Acquisition, Restoration,
37.34 Enhancement, and Public Engagement**

38.1 \$4,000,000 the first year is from the trust fund
38.2 to the commissioner of natural resources to
38.3 acquire at least 350 acres of lands with
38.4 high-quality native plant communities and rare
38.5 features to be established as scientific and
38.6 natural areas as provided in Minnesota
38.7 Statutes, section 86A.05, subdivision 5, restore
38.8 and improve at least 550 acres of scientific
38.9 and natural areas, and provide technical
38.10 assistance and outreach. A list of proposed
38.11 acquisitions must be provided as part of the
38.12 required work plan. Land acquired with this
38.13 appropriation must be sufficiently improved
38.14 to meet at least minimum management
38.15 standards, as determined by the commissioner
38.16 of natural resources. This appropriation is
38.17 available until June 30, 2018, by which time
38.18 the project must be completed and final
38.19 products delivered.

38.20 **(d) Native Prairie Stewardship and Prairie
38.21 Bank Easement Acquisition**

38.22 \$3,325,000 the first year is from the trust fund
38.23 to the commissioner of natural resources to
38.24 acquire native prairie bank easements on at
38.25 least 675 acres, prepare baseline property
38.26 assessments, restore and enhance at least 1,000
38.27 acres of native prairie sites, and provide
38.28 technical assistance to landowners. Of this
38.29 amount, up to \$195,000 must be deposited in
38.30 a conservation easement stewardship account.
38.31 Deposits into the conservation easement
38.32 stewardship account must be made upon
38.33 closing on conservation easements or at a time
38.34 otherwise approved in the work plan. A list of
38.35 proposed easement acquisitions must be

39.1 provided as part of the required work plan.
39.2 This appropriation is available until June 30,
39.3 2018, by which time the project must be
39.4 completed and final products delivered.

39.5 **(e) Metro Conservation Corridors - Phase**
39.6 **VIII Coordination, Mapping, and**
39.7 **Conservation Easements**

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

40.1 by which time the project must be completed
40.2 and final products delivered.

40.3 **(f) Metro Conservation Corridors - Phase**

40.4 **VIII Strategic Lands Protection**

40.5 \$750,000 the first year is from the trust fund
40.6 to the commissioner of natural resources for
40.7 an agreement with The Trust for Public Land
40.8 for Phase VIII of the Metro Conservation
40.9 Corridors partnership to acquire in fee at least
40.10 35 acres of high-quality priority state and local
40.11 natural areas in the metropolitan area, as
40.12 defined under Minnesota Statutes, section
40.13 473.121, subdivision 2, and portions of the
40.14 surrounding counties. A list of proposed
40.15 acquisitions must be provided as part of the
40.16 required work plan. Land acquired with this
40.17 appropriation must be sufficiently improved
40.18 to meet at least minimum management
40.19 standards, as determined by the commissioner
40.20 of natural resources. Expenditures are limited
40.21 to the identified project corridor areas as
40.22 defined in the work plan. This appropriation
40.23 may not be used to purchase habitable
40.24 residential structures, unless expressly
40.25 approved in the work plan. A list of fee title
40.26 acquisitions must be provided as part of the
40.27 required work plan. This appropriation is
40.28 available until June 30, 2018, by which time
40.29 the project must be completed and final
40.30 products delivered.

40.31 **(g) Metro Conservation Corridors - Phase**

40.32 **VIII Priority Expansion of Minnesota**

40.33 **Valley National Wildlife Refuge**

40.34 \$500,000 the first year is from the trust fund
40.35 to the commissioner of natural resources for

41.1 an agreement with the Minnesota Valley
41.2 National Wildlife Refuge Trust, Inc. for Phase
41.3 VIII of the Metro Conservation Corridors
41.4 partnership to acquire in fee at least 100 acres
41.5 of priority habitat for the Minnesota Valley
41.6 National Wildlife Refuge in the metropolitan
41.7 area, as defined under Minnesota Statutes,
41.8 section 473.121, subdivision 2, and portions
41.9 of the surrounding counties. A list of proposed
41.10 acquisitions must be provided as part of the
41.11 required work plan. Land acquired with this
41.12 appropriation must be sufficiently improved
41.13 to meet at least minimum management
41.14 standards. Expenditures are limited to the
41.15 identified project corridor areas as defined in
41.16 the work plan. This appropriation may not be
41.17 used to purchase habitable residential
41.18 structures, unless expressly approved in the
41.19 work plan. This appropriation is available until
41.20 June 30, 2018, by which time the project must
41.21 be completed and final products delivered.

41.22 **(h) Metro Conservation Corridors - Phase**
41.23 **VIII Wildlife Management Area**
41.24 **Acquisition**

41.25 \$400,000 the first year is from the trust fund
41.26 to the commissioner of natural resources for
41.27 Phase VIII of the Metro Conservation
41.28 Corridors partnership to acquire in fee at least
41.29 82 acres along the lower reaches of the
41.30 Vermillion River in Dakota County within the
41.31 Gores Pool Wildlife Management Area. Land
41.32 acquired with this appropriation must be
41.33 sufficiently improved to meet at least
41.34 minimum management standards. This
41.35 appropriation may not be used to purchase

42.1 habitable residential structures, unless
42.2 expressly approved in the work plan. This
42.3 appropriation is available until June 30, 2018,
42.4 by which time the project must be completed
42.5 and final products delivered.

42.6 **(i) Mesabi Trail Development Soudan to
42.7 Ely - Phase II**

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

42.19 **(j) Multi-benefit Watershed Scale
42.20 Conservation on North Central Lakes**

42.21 \$950,000 the first year is from the trust fund
42.22 to the Board of Water and Soil Resources to
42.23 secure permanent conservation easements on
42.24 at least 480 acres of high-quality habitat in
42.25 Crow Wing and Cass Counties. Of this
42.26 amount, up to \$65,000 must be deposited in a
42.27 conservation easement stewardship account;
42.28 and \$54,000 is for an agreement with the
42.29 Leech Lake Area Watershed Foundation in
42.30 cooperation with Crow Wing County Soil and
42.31 Water Conservation District and Cass County
42.32 Soil and Water Conservation District. Deposits
42.33 into the conservation easement stewardship
42.34 account must be made upon closing on
42.35 conservation easements or at a time otherwise

43.1 approved in the work plan. A list of proposed
43.2 easement acquisitions must be provided as
43.3 part of the required work plan. This
43.4 appropriation is available until June 30, 2018,
43.5 by which time the project must be completed
43.6 and final products delivered.

43.7 **(k) Conservation Easement Assessment and**
43.8 **Valuation System Development**

43.9 \$250,000 the first year is from the trust fund
43.10 to the Board of Regents of the University of
43.11 Minnesota to assess the effectiveness of
43.12 existing conservation easements acquired
43.13 through state expenditures at achieving their
43.14 intended outcomes of public value and
43.15 ecological benefits and to develop a
43.16 standardized, objective conservation easement
43.17 valuation system for guiding future state
43.18 investments in conservation easements to
43.19 ensure the proposed environmental benefits
43.20 are being achieved in a cost-effective manner.
43.21 This appropriation is available until June 30,
43.22 2018, by which time the project must be
43.23 completed and final products delivered.

43.24 Sec. 4. Laws 2017, chapter 96, section 2, subdivision 9, is amended to read:

43.25 **Subd. 9. Land Acquisition,**
43.26 **Habitat, and Recreation** 999,000 13,533,000 -0-

43.27 **(a) Metropolitan Regional Parks System Land**
43.28 **Acquisition**

43.29 \$1,500,000 the first year is from the trust fund
43.30 to the Metropolitan Council for grants to
43.31 acquire approximately ~~197~~ 70 acres of land
43.32 within the approved park boundaries of the
43.33 metropolitan regional park system. This
43.34 appropriation may not be used to purchase
43.35 habitable residential structures. A list of

44.1 proposed fee title acquisitions must be
44.2 provided as part of the required work plan.
44.3 This appropriation must be matched by at least
44.4 40 percent of nonstate money that must be
44.5 committed by December 31, 2017. This
44.6 appropriation is available until June 30, 2020,
44.7 by which time the project must be completed
44.8 and final products delivered.

44.9 **(b) Scientific and Natural Areas Acquisition and**
44.10 **Restoration, Citizen Science, and Engagement**

44.11 \$2,500,000 the first year is from the trust fund
44.12 to the commissioner of natural resources to
44.13 acquire ~~at least 250 acres~~ of land with
44.14 high-quality native plant communities and rare
44.15 features to be established as scientific and
44.16 natural areas as provided in Minnesota
44.17 Statutes, section 86A.05, subdivision 5, restore
44.18 and improve ~~at least 1,000 acres~~ of scientific
44.19 and natural areas, and provide technical
44.20 assistance and outreach, including site steward
44.21 events. At least one-third of the appropriation
44.22 must be spent on restoration activities. A list
44.23 of proposed acquisitions and restorations must
44.24 be provided as part of the required work plan.
44.25 Land acquired with this appropriation must
44.26 be sufficiently improved to meet at least
44.27 minimum management standards, as
44.28 determined by the commissioner of natural
44.29 resources. When feasible, consideration must
44.30 be given to accommodate trails on lands
44.31 acquired. This appropriation is available until
44.32 June 30, 2020, by which time the project must
44.33 be completed and final products delivered.

44.34 **(c) Minnesota State Parks and State Trails Land**
44.35 **Acquisition**

45.1 \$1,500,000 the first year is from the trust fund
45.2 to the commissioner of natural resources to
45.3 acquire approximately 373 acres from willing
45.4 sellers for authorized state trails and critical
45.5 parcels within the statutory boundaries of state
45.6 parks. State park land acquired with this
45.7 appropriation must be sufficiently improved
45.8 to meet at least minimum management
45.9 standards, as determined by the commissioner
45.10 of natural resources. A list of proposed
45.11 acquisitions must be provided as part of the
45.12 required work plan. This appropriation is
45.13 available until June 30, 2020, by which time
45.14 the project must be completed and final
45.15 products delivered.

45.16 **(d) Minnesota State Trails Acquisition,**
45.17 **Development, and Enhancement**

45.18 \$999,000 in fiscal year 2017 and \$39,000 the
45.19 first year are from the trust fund to the
45.20 commissioner of natural resources for state
45.21 trail acquisition, development, and
45.22 enhancement in southern Minnesota. A
45.23 proposed list of trail projects on authorized
45.24 state trails must be provided as part of the
45.25 required work plan. This appropriation is
45.26 available until June 30, 2020, by which time
45.27 the project must be completed and final
45.28 products delivered.

45.29 **(e) Native Prairie Stewardship and Prairie Bank**
45.30 **Easement Acquisition**

45.31 \$2,675,000 the first year is from the trust fund
45.32 to the commissioner of natural resources to
45.33 acquire native prairie bank easements in
45.34 accordance with Minnesota Statutes, section
45.35 84.96, on approximately 335 250 acres,
45.36 prepare baseline property assessments, restore

46.1 and enhance ~~at least 570 acres~~ of native prairie
46.2 sites, and provide technical assistance to
46.3 landowners. Of this amount, up to \$132,000
46.4 may be deposited in a conservation easement
46.5 stewardship account. Deposits into the
46.6 conservation easement stewardship account
46.7 must be made upon closing on conservation
46.8 easements or at a time otherwise approved in
46.9 the work plan. A list of proposed easement
46.10 acquisitions must be provided as part of the
46.11 required work plan. This appropriation is
46.12 available until June 30, 2020, by which time
46.13 the project must be completed and final
46.14 products delivered.

46.15 **(f) Leech Lake Acquisition**

46.16 \$1,500,000 the first year is from the trust fund
46.17 to the commissioner of natural resources for
46.18 an agreement with the Leech Lake Band of
46.19 Ojibwe to acquire approximately 45 acres,
46.20 including 0.67 miles of shoreline of
46.21 high-quality aquatic and wildlife habitat at the
46.22 historic meeting place between Henry
46.23 Schoolcraft and the Anishinabe people. The
46.24 land must be open to public use including
46.25 hunting and fishing. The band must provide a
46.26 commitment that land will not be put in a
46.27 federal trust through the Bureau of Indian
46.28 Affairs.

46.29 **(g) Mesabi Trail Development**

46.30 \$2,269,000 the first year is from the trust fund
46.31 to the commissioner of natural resources for
46.32 an agreement with the St. Louis and Lake
46.33 Counties Regional Railroad Authority for
46.34 engineering and constructing segments of the
46.35 Mesabi Trail. This appropriation is available

47.1 until June 30, 2020, by which time the project
47.2 must be completed and final products
47.3 delivered.

47.4 **(h) Tower Trailhead Boat Landing and Habitat
47.5 Improvement - Phase II**

47.6 \$600,000 the first year is from the trust fund
47.7 to the commissioner of natural resources for
47.8 an agreement with the city of Tower to
47.9 construct a trailhead and boat landing and
47.10 restore vegetative habitat on city-owned
47.11 property. Plant and seed materials must follow
47.12 the Board of Water and Soil Resources' native
47.13 vegetation establishment and enhancement
47.14 guidelines. This appropriation is available until
47.15 June 30, 2020, by which time the project must
47.16 be completed and final products delivered.

47.17 **(i) Land Acquisition for Voyageurs National
47.18 Park Crane Lake Visitors Center**

47.19 \$950,000 the first year is from the trust fund
47.20 to the commissioner of natural resources for
47.21 an agreement with the town of Crane Lake, in
47.22 partnership with Voyageurs National Park and
47.23 the Department of Natural Resources, to
47.24 acquire approximately 30 acres to be used for
47.25 a visitor center and campground. Income
47.26 generated by the campground may be used to
47.27 support the facility.

47.28 **Sec. 5. TRANSFER OF FUNDS; EXTENSION OF AVAILABILITY OF
47.29 APPROPRIATIONS.**

47.30 Subdivision 1. Transfer of unencumbered funds. On June 30, 2019, any unencumbered
47.31 money from the following appropriations is transferred to the appropriation for the grants
47.32 management system under Laws 2016, chapter 186, section 2, subdivision 10, paragraph
47.33 (b):

47.34 (1) Laws 2014, chapter 226, section 2, subdivision 10, paragraph (c);

48.1 (2) Laws 2015, chapter 76, section 2, subdivision 9, paragraph (c);
48.2 (3) Laws 2015, chapter 76, section 2, subdivision 9, paragraph (d);
48.3 (4) Laws 2015, chapter 76, section 2, subdivision 9, paragraph (f);
48.4 (5) Laws 2016, chapter 186, section 2, subdivision 9, paragraph (a);
48.5 (6) Laws 2016, chapter 186, section 2, subdivision 9, paragraph (c); and
48.6 (7) Laws 2017, chapter 96, section 2, subdivision 10, paragraph (b).
48.7 Subd. 2. Extension of availability of appropriations. The availability of the
48.8 appropriations for the grants management system under Laws 2016, chapter 186, section
48.9 2, subdivision 10, paragraph (b), and the funds transferred to that project under subdivision
48.10 1 are extended to June 30, 2022.