

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.

	<b><u>APPROPRIATIONS</u></b>
	<b><u>Available for the Year</u></b>
	<b><u>Ending June 30</u></b>
	<b><u>2020</u>                      <u>2021</u></b>

1.19 Sec. 2. **MINNESOTA RESOURCES**

1.20 **Subdivision 1. Total Appropriation**                      **\$ 53,547,000** **\$ -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

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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

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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

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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.

21.1 **(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.

21.16 **(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.

21.29 **(i) Preserving Avon Hills with Reverse-Bidding**  
 21.30 **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

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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**

2,000,000

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

25.16 \$1,000,000 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. This appropriation  
 25.23 is available until June 30, 2023, by which time  
 25.24 projects must be completed and final products  
 25.25 delivered.

25.26 **(b) Point Source Implementation Program**

25.27 \$1,000,000 the first year is from the trust fund  
 25.28 to the Public Facilities Authority for grants  
 25.29 for wastewater projects under the point source  
 25.30 implementation grant program under  
 25.31 Minnesota Statutes, section 446A.073, to  
 25.32 home rule and statutory cities and towns with  
 25.33 a population under 5,000. This appropriation  
 25.34 is available until June 30, 2023, by which time

26.1 projects must be completed and final products  
26.2 delivered.

26.3 **Subd. 12. Availability of Appropriations**

26.4 Money appropriated in this section may not  
26.5 be spent on activities unless they are directly  
26.6 related to and necessary for a specific  
26.7 appropriation and are specified in the work  
26.8 plan approved by the Legislative-Citizen  
26.9 Commission on Minnesota Resources. Money  
26.10 appropriated in this section must not be spent  
26.11 on indirect costs or other institutional overhead  
26.12 charges that are not directly related to and  
26.13 necessary for a specific appropriation. Costs  
26.14 that are directly related to and necessary for  
26.15 an appropriation, including financial services,  
26.16 human resources, information services, rent,  
26.17 and utilities, are eligible only if the costs can  
26.18 be clearly justified and individually  
26.19 documented specific to the appropriation's  
26.20 purpose and would not be generated by the  
26.21 recipient but for receipt of the appropriation.

26.22 No broad allocations for costs in either dollars  
26.23 or percentages are allowed. Unless otherwise  
26.24 provided, the amounts in this section are  
26.25 available until June 30, 2022, when projects  
26.26 must be completed and final products  
26.27 delivered. For acquisition of real property, the  
26.28 appropriations in this section are available for  
26.29 an additional fiscal year if a binding contract  
26.30 for acquisition of the real property is entered  
26.31 into before the expiration date of the  
26.32 appropriation. If a project receives a federal  
26.33 grant, the time period of the appropriation is  
26.34 extended to equal the federal grant period.

27.1 **Subd. 13. Data Availability Requirements**

27.2 Data collected by the projects funded under  
27.3 this section must conform to guidelines and  
27.4 standards adopted by MN.IT Services. Spatial  
27.5 data must also conform to additional  
27.6 guidelines and standards designed to support  
27.7 data coordination and distribution that have  
27.8 been published by the Minnesota Geospatial  
27.9 Information Office. Descriptions of spatial  
27.10 data must be prepared as specified in the state's  
27.11 geographic metadata guideline and must be  
27.12 submitted to the Minnesota Geospatial  
27.13 Information Office. All data must be  
27.14 accessible and free to the public unless made  
27.15 private under the Data Practices Act,  
27.16 Minnesota Statutes, chapter 13. To the extent  
27.17 practicable, summary data and results of  
27.18 projects funded under this section should be  
27.19 readily accessible on the Internet and  
27.20 identified as having received funding from the  
27.21 environment and natural resources trust fund.

27.22 **Subd. 14. Project Requirements**

27.23 (a) As a condition of accepting an  
27.24 appropriation under this section, an agency or  
27.25 entity receiving an appropriation or a party to  
27.26 an agreement from an appropriation must  
27.27 comply with paragraphs (b) to (l) and  
27.28 Minnesota Statutes, chapter 116P, and must  
27.29 submit a work plan and annual or semiannual  
27.30 progress reports in the form determined by the  
27.31 Legislative-Citizen Commission on Minnesota  
27.32 Resources for any project funded in whole or  
27.33 in part with funds from the appropriation.  
27.34 Modifications to the approved work plan and  
27.35 budget expenditures must be made through

28.1 the amendment process established by the  
28.2 Legislative-Citizen Commission on Minnesota  
28.3 Resources.

28.4 (b) A recipient of money appropriated in this  
28.5 section that conducts a restoration using funds  
28.6 appropriated in this section must use native  
28.7 plant species according to the Board of Water  
28.8 and Soil Resources' native vegetation  
28.9 establishment and enhancement guidelines  
28.10 and include an appropriate diversity of native  
28.11 species selected to provide habitat for  
28.12 pollinators throughout the growing season as  
28.13 required under Minnesota Statutes, section  
28.14 84.973.

28.15 (c) For all restorations conducted with money  
28.16 appropriated under this section, a recipient  
28.17 must prepare an ecological restoration and  
28.18 management plan that, to the degree  
28.19 practicable, is consistent with the  
28.20 highest-quality conservation and ecological  
28.21 goals for the restoration site. Consideration  
28.22 should be given to soil, geology, topography,  
28.23 and other relevant factors that would provide  
28.24 the best chance for long-term success and  
28.25 durability of the restoration project. The plan  
28.26 must include the proposed timetable for  
28.27 implementing the restoration, including site  
28.28 preparation, establishment of diverse plant  
28.29 species, maintenance, and additional  
28.30 enhancement to establish the restoration;  
28.31 identify long-term maintenance and  
28.32 management needs of the restoration and how  
28.33 the maintenance, management, and  
28.34 enhancement will be financed; and take  
28.35 advantage of the best-available science and

- 29.1 include innovative techniques to achieve the  
29.2 best restoration.
- 29.3 (d) An entity receiving an appropriation in this  
29.4 section for restoration activities must provide  
29.5 an initial restoration evaluation at the  
29.6 completion of the appropriation and an  
29.7 evaluation three years after the completion of  
29.8 the expenditure. Restorations must be  
29.9 evaluated relative to the stated goals and  
29.10 standards in the restoration plan, current  
29.11 science, and, when applicable, the Board of  
29.12 Water and Soil Resources' native vegetation  
29.13 establishment and enhancement guidelines.  
29.14 The evaluation must determine whether the  
29.15 restorations are meeting planned goals,  
29.16 identify any problems with implementing the  
29.17 restorations, and, if necessary, give  
29.18 recommendations on improving restorations.  
29.19 The evaluation must be focused on improving  
29.20 future restorations.
- 29.21 (e) All restoration and enhancement projects  
29.22 funded with money appropriated in this section  
29.23 must be on land permanently protected by a  
29.24 conservation easement or public ownership.
- 29.25 (f) A recipient of money from an appropriation  
29.26 under this section must give consideration to  
29.27 contracting with Conservation Corps  
29.28 Minnesota for contract restoration and  
29.29 enhancement services.
- 29.30 (g) All conservation easements acquired with  
29.31 money appropriated under this section must:
- 29.32 (1) be permanent;  
29.33 (2) specify the parties to an easement in the  
29.34 easement;

- 30.1 (3) specify all of the provisions of an  
30.2 agreement that are permanent;
- 30.3 (4) be sent to the Legislative-Citizen  
30.4 Commission on Minnesota Resources in an  
30.5 electronic format at least ten business days  
30.6 before closing;
- 30.7 (5) include a long-term monitoring and  
30.8 enforcement plan and funding for monitoring  
30.9 and enforcing the easement agreement; and
- 30.10 (6) include requirements in the easement  
30.11 document to protect the quantity and quality  
30.12 of groundwater and surface water through  
30.13 specific activities such as keeping water on  
30.14 the landscape, reducing nutrient and  
30.15 contaminant loading, and not permitting  
30.16 artificial hydrological modifications.
- 30.17 (h) For any acquisition of lands or interest in  
30.18 lands, a recipient of money appropriated under  
30.19 this section must not agree to pay more than  
30.20 100 percent of the appraised value for a parcel  
30.21 of land using this money to complete the  
30.22 purchase, in part or in whole, except that up  
30.23 to ten percent above the appraised value may  
30.24 be allowed to complete the purchase, in part  
30.25 or in whole, using this money if permission is  
30.26 received in advance of the purchase from the  
30.27 Legislative-Citizen Commission on Minnesota  
30.28 Resources.
- 30.29 (i) For any acquisition of land or interest in  
30.30 land, a recipient of money appropriated under  
30.31 this section must give priority to high-quality  
30.32 natural resources or conservation lands that  
30.33 provide natural buffers to water resources.

- 31.1 (j) For new lands acquired with money  
31.2 appropriated under this section, a recipient  
31.3 must prepare an ecological restoration and  
31.4 management plan in compliance with  
31.5 paragraph (c), including sufficient funding for  
31.6 implementation unless the work plan addresses  
31.7 why a portion of the money is not necessary  
31.8 to achieve a high-quality restoration.
- 31.9 (k) To ensure public accountability for using  
31.10 public funds, a recipient of money  
31.11 appropriated under this section must, within  
31.12 60 days of the transaction, provide to the  
31.13 Legislative-Citizen Commission on Minnesota  
31.14 Resources documentation of the selection  
31.15 process used to identify parcels acquired and  
31.16 provide documentation of all related  
31.17 transaction costs, including but not limited to  
31.18 appraisals, legal fees, recording fees,  
31.19 commissions, other similar costs, and  
31.20 donations. This information must be provided  
31.21 for all parties involved in the transaction. The  
31.22 recipient must also report to the  
31.23 Legislative-Citizen Commission on Minnesota  
31.24 Resources any difference between the  
31.25 acquisition amount paid to the seller and the  
31.26 state-certified or state-reviewed appraisal, if  
31.27 a state-certified or state-reviewed appraisal  
31.28 was conducted.
- 31.29 (l) A recipient of an appropriation from the  
31.30 trust fund under this section must acknowledge  
31.31 financial support from the environment and  
31.32 natural resources trust fund in project  
31.33 publications, signage, and other public  
31.34 communications and outreach related to work  
31.35 completed using the appropriation.

32.1 Acknowledgment may occur, as appropriate,  
32.2 through use of the trust fund logo or inclusion  
32.3 of language attributing support from the trust  
32.4 fund. Each direct recipient of money  
32.5 appropriated in this section, as well as each  
32.6 recipient of a grant awarded pursuant to this  
32.7 section, must satisfy all reporting and other  
32.8 requirements incumbent upon constitutionally  
32.9 dedicated funding recipients as provided in  
32.10 Minnesota Statutes, section 3.303, subdivision  
32.11 10, and chapter 116P.

32.12 **Subd. 15. Payment Conditions and**  
32.13 **Capital-Equipment Expenditures**

32.14 (a) All agreements, grants, or contracts  
32.15 referred to in this section must be administered  
32.16 on a reimbursement basis unless otherwise  
32.17 provided in this section. Notwithstanding  
32.18 Minnesota Statutes, section 16A.41,  
32.19 expenditures made on or after July 1, 2019,  
32.20 or the date the work plan is approved,  
32.21 whichever is later, are eligible for  
32.22 reimbursement unless otherwise provided in  
32.23 this section. Periodic payments must be made  
32.24 upon receiving documentation that the  
32.25 deliverable items articulated in the approved  
32.26 work plan have been achieved, including  
32.27 partial achievements as evidenced by approved  
32.28 progress reports. Reasonable amounts may be  
32.29 advanced to projects to accommodate  
32.30 cash-flow needs or match federal money. The  
32.31 advances must be approved as part of the work  
32.32 plan. No expenditures for capital equipment  
32.33 are allowed unless expressly authorized in the  
32.34 project work plan.



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

33.3 **Subd. 16. Purchase of Recycled and Recyclable**  
 33.4 **Materials**

33.5 A political subdivision, public or private  
 33.6 corporation, or other entity that receives an  
 33.7 appropriation under this section must use the  
 33.8 appropriation in compliance with Minnesota  
 33.9 Statutes, section 16C.0725, regarding  
 33.10 purchasing recycled, repairable, and durable  
 33.11 materials and Minnesota Statutes, section  
 33.12 16C.073, regarding purchasing and using  
 33.13 paper stock and printing.

33.14 **Subd. 17. Energy Conservation and Sustainable**  
 33.15 **Building Guidelines**

33.16 A recipient to whom an appropriation is made  
 33.17 under this section for a capital improvement  
 33.18 project must ensure that the project complies  
 33.19 with the applicable energy conservation and  
 33.20 sustainable building guidelines and standards  
 33.21 contained in law, including Minnesota  
 33.22 Statutes, sections 16B.325, 216C.19, and  
 33.23 216C.20, and rules adopted under those  
 33.24 sections. The recipient may use the energy  
 33.25 planning, advocacy, and State Energy Office  
 33.26 units of the Department of Commerce to  
 33.27 obtain information and technical assistance  
 33.28 on energy conservation and alternative-energy  
 33.29 development relating to planning and  
 33.30 constructing the capital improvement project.

33.31 **Subd. 18. Accessibility**

33.32 Structural and nonstructural facilities must  
 33.33 meet the design standards in the Americans  
 33.34 with Disabilities Act (ADA) accessibility  
 33.35 guidelines.

34.1 **Subd. 19. Carryforward; Extension**

34.2 (a) The availability of the appropriations for  
34.3 the following projects are extended to June  
34.4 30, 2020:

34.5 (1) Laws 2015, chapter 76, section 2,  
34.6 subdivision 3, paragraph (g), Minnesota  
34.7 Native Bee Atlas;

34.8 (2) Laws 2016, chapter 186, section 2,  
34.9 subdivision 3, paragraph (a), Data-Driven  
34.10 Pollinator Conservation Strategies;

34.11 (3) Laws 2016, chapter 186, section 2,  
34.12 subdivision 3, paragraph (c), Prairie Butterfly  
34.13 Conservation, Research, and Breeding - Phase  
34.14 II;

34.15 (4) Laws 2016, chapter 186, section 2,  
34.16 subdivision 8, paragraph (a), Bee Pollinator  
34.17 Habitat Enhancement - Phase II; and

34.18 (5) Laws 2017, chapter 96, section 2,  
34.19 subdivision 4, paragraph (a), Assessment of  
34.20 Household Chemicals and Herbicides in  
34.21 Rivers and Lakes.

34.22 (b) The availability of the appropriation under  
34.23 Laws 2017, chapter 96, section 2, subdivision  
34.24 7, paragraph (b), Assessment of Urban Air  
34.25 Quality, is extended to June 30, 2021.

34.26 Sec. 3. Laws 2015, chapter 76, section 2, subdivision 9, as amended by Laws 2018, chapter  
34.27 214, article 4, section 5, is amended to read:

34.28 **Subd. 9. Land Acquisition for Habitat and**  
34.29 **Recreation**

14,190,000

-0-

34.30 **(a) State Parks and Trails Land**  
34.31 **Acquisitions**

35.1 \$1,500,000 the first year is from the trust fund  
35.2 to the commissioner of natural resources to  
35.3 acquire at least 335 acres for authorized state  
35.4 trails and critical parcels within the statutory  
35.5 boundaries of state parks. State park land  
35.6 acquired with this appropriation must be  
35.7 sufficiently improved to meet at least  
35.8 minimum management standards, as  
35.9 determined by the commissioner of natural  
35.10 resources. A list of proposed acquisitions must  
35.11 be provided as part of the required work plan.  
35.12 This appropriation is available until June 30,  
35.13 2018, by which time the project must be  
35.14 completed and final products delivered.

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

35.16 **Land Acquisition - Phase IV**

35.17 \$1,000,000 the first year is from the trust fund  
35.18 to the Metropolitan Council for grants to  
35.19 acquire ~~at least 133~~ approximately 90 acres of  
35.20 lands within the approved park unit boundaries  
35.21 of the metropolitan regional park system. This  
35.22 appropriation may not be used to purchase  
35.23 habitable residential structures. A list of  
35.24 proposed fee title and easement acquisitions  
35.25 must be provided as part of the required work  
35.26 plan. This appropriation must be matched by  
35.27 at least 40 percent of nonstate money that must  
35.28 be committed by December 31, 2015, or the  
35.29 appropriation cancels. This appropriation is  
35.30 available until June 30, 2018, by which time  
35.31 the project must be completed and final  
35.32 products delivered.

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

35.34 **Enhancement, and Public Engagement**

36.1 \$4,000,000 the first year is from the trust fund  
36.2 to the commissioner of natural resources to  
36.3 acquire at least 350 acres of lands with  
36.4 high-quality native plant communities and rare  
36.5 features to be established as scientific and  
36.6 natural areas as provided in Minnesota  
36.7 Statutes, section 86A.05, subdivision 5, restore  
36.8 and improve at least 550 acres of scientific  
36.9 and natural areas, and provide technical  
36.10 assistance and outreach. A list of proposed  
36.11 acquisitions must be provided as part of the  
36.12 required work plan. Land acquired with this  
36.13 appropriation must be sufficiently improved  
36.14 to meet at least minimum management  
36.15 standards, as determined by the commissioner  
36.16 of natural resources. This appropriation is  
36.17 available until June 30, 2018, by which time  
36.18 the project must be completed and final  
36.19 products delivered.

36.20 **(d) Native Prairie Stewardship and Prairie**  
36.21 **Bank Easement Acquisition**

36.22 \$3,325,000 the first year is from the trust fund  
36.23 to the commissioner of natural resources to  
36.24 acquire native prairie bank easements on at  
36.25 least 675 acres, prepare baseline property  
36.26 assessments, restore and enhance at least 1,000  
36.27 acres of native prairie sites, and provide  
36.28 technical assistance to landowners. Of this  
36.29 amount, up to \$195,000 must be deposited in  
36.30 a conservation easement stewardship account.  
36.31 Deposits into the conservation easement  
36.32 stewardship account must be made upon  
36.33 closing on conservation easements or at a time  
36.34 otherwise approved in the work plan. A list of  
36.35 proposed easement acquisitions must be

37.1 provided as part of the required work plan.

37.2 This appropriation is available until June 30,

37.3 2018, by which time the project must be

37.4 completed and final products delivered.

37.5 **(e) Metro Conservation Corridors - Phase**

37.6 **VIII Coordination, Mapping, and**

37.7 **Conservation Easements**

37.8 \$515,000 the first year is from the trust fund

37.9 to the commissioner of natural resources for

37.10 an agreement with the Minnesota Land Trust

37.11 for Phase VIII of the Metro Conservation

37.12 Corridors partnership to provide coordination

37.13 and mapping for the partnership and to acquire

37.14 permanent conservation easements on at least

37.15 120 acres of strategic ecological landscapes

37.16 to protect priority natural areas in the

37.17 metropolitan area, as defined under Minnesota

37.18 Statutes, section 473.121, subdivision 2, and

37.19 portions of the surrounding counties. A list of

37.20 proposed easement acquisitions must be

37.21 provided as part of the required work plan.

37.22 Land acquired with this appropriation must

37.23 be sufficiently improved to meet at least

37.24 minimum management standards, as

37.25 determined by the commissioner of natural

37.26 resources. Expenditures are limited to the

37.27 identified project corridor areas as defined in

37.28 the work plan. Up to \$40,000 may be used for

37.29 coordination and mapping for the Metro

37.30 Conservation Corridors. All conservation

37.31 easements must be perpetual and have a

37.32 natural resource management plan. A list of

37.33 proposed easement acquisitions must be

37.34 provided as part of the required work plan.

37.35 This appropriation is available June 30, 2018,

38.1 by which time the project must be completed  
38.2 and final products delivered.

38.3 **(f) Metro Conservation Corridors - Phase**  
38.4 **VIII Strategic Lands Protection**

38.5 \$750,000 the first year is from the trust fund  
38.6 to the commissioner of natural resources for  
38.7 an agreement with The Trust for Public Land  
38.8 for Phase VIII of the Metro Conservation  
38.9 Corridors partnership to acquire in fee at least  
38.10 35 acres of high-quality priority state and local  
38.11 natural areas in the metropolitan area, as  
38.12 defined under Minnesota Statutes, section  
38.13 473.121, subdivision 2, and portions of the  
38.14 surrounding counties. A list of proposed  
38.15 acquisitions must be provided as part of the  
38.16 required work plan. Land acquired with this  
38.17 appropriation must be sufficiently improved  
38.18 to meet at least minimum management  
38.19 standards, as determined by the commissioner  
38.20 of natural resources. Expenditures are limited  
38.21 to the identified project corridor areas as  
38.22 defined in the work plan. This appropriation  
38.23 may not be used to purchase habitable  
38.24 residential structures, unless expressly  
38.25 approved in the work plan. A list of fee title  
38.26 acquisitions must be provided as part of the  
38.27 required work plan. This appropriation is  
38.28 available until June 30, 2018, by which time  
38.29 the project must be completed and final  
38.30 products delivered.

38.31 **(g) Metro Conservation Corridors - Phase**  
38.32 **VIII Priority Expansion of Minnesota**  
38.33 **Valley National Wildlife Refuge**

38.34 \$500,000 the first year is from the trust fund  
38.35 to the commissioner of natural resources for

39.1 an agreement with the Minnesota Valley  
39.2 National Wildlife Refuge Trust, Inc. for Phase  
39.3 VIII of the Metro Conservation Corridors  
39.4 partnership to acquire in fee at least 100 acres  
39.5 of priority habitat for the Minnesota Valley  
39.6 National Wildlife Refuge in the metropolitan  
39.7 area, as defined under Minnesota Statutes,  
39.8 section 473.121, subdivision 2, and portions  
39.9 of the surrounding counties. A list of proposed  
39.10 acquisitions must be provided as part of the  
39.11 required work plan. Land acquired with this  
39.12 appropriation must be sufficiently improved  
39.13 to meet at least minimum management  
39.14 standards. Expenditures are limited to the  
39.15 identified project corridor areas as defined in  
39.16 the work plan. This appropriation may not be  
39.17 used to purchase habitable residential  
39.18 structures, unless expressly approved in the  
39.19 work plan. This appropriation is available until  
39.20 June 30, 2018, by which time the project must  
39.21 be completed and final products delivered.

39.22 **(h) Metro Conservation Corridors - Phase**  
39.23 **VIII Wildlife Management Area**  
39.24 **Acquisition**

39.25 \$400,000 the first year is from the trust fund  
39.26 to the commissioner of natural resources for  
39.27 Phase VIII of the Metro Conservation  
39.28 Corridors partnership to acquire in fee at least  
39.29 82 acres along the lower reaches of the  
39.30 Vermillion River in Dakota County within the  
39.31 Gores Pool Wildlife Management Area. Land  
39.32 acquired with this appropriation must be  
39.33 sufficiently improved to meet at least  
39.34 minimum management standards. This  
39.35 appropriation may not be used to purchase

40.1 habitable residential structures, unless  
40.2 expressly approved in the work plan. This  
40.3 appropriation is available until June 30, 2018,  
40.4 by which time the project must be completed  
40.5 and final products delivered.

40.6 **(i) Mesabi Trail Development Soudan to**  
40.7 **Ely - Phase II**

40.8 \$1,000,000 the first year is from the trust fund  
40.9 to the commissioner of natural resources for  
40.10 an agreement with the St. Louis and Lake  
40.11 Counties Regional Railroad Authority for the  
40.12 right-of-way acquisition, design, and  
40.13 construction of segments of the Mesabi Trail,  
40.14 totaling approximately seven miles between  
40.15 Soudan and Ely. This appropriation is  
40.16 available until June 30, 2018, by which time  
40.17 the project must be completed and final  
40.18 products delivered.

40.19 **(j) Multi-benefit Watershed Scale**  
40.20 **Conservation on North Central Lakes**

40.21 \$950,000 the first year is from the trust fund  
40.22 to the Board of Water and Soil Resources to  
40.23 secure permanent conservation easements on  
40.24 at least 480 acres of high-quality habitat in  
40.25 Crow Wing and Cass Counties. Of this  
40.26 amount, up to \$65,000 must be deposited in a  
40.27 conservation easement stewardship account;  
40.28 and \$54,000 is for an agreement with the  
40.29 Leech Lake Area Watershed Foundation in  
40.30 cooperation with Crow Wing County Soil and  
40.31 Water Conservation District and Cass County  
40.32 Soil and Water Conservation District. Deposits  
40.33 into the conservation easement stewardship  
40.34 account must be made upon closing on  
40.35 conservation easements or at a time otherwise



41.1 approved in the work plan. A list of proposed  
 41.2 easement acquisitions must be provided as  
 41.3 part of the required work plan. This  
 41.4 appropriation is available until June 30, 2018,  
 41.5 by which time the project must be completed  
 41.6 and final products delivered.

41.7 **(k) Conservation Easement Assessment and**  
 41.8 **Valuation System Development**

41.9 \$250,000 the first year is from the trust fund  
 41.10 to the Board of Regents of the University of  
 41.11 Minnesota to assess the effectiveness of  
 41.12 existing conservation easements acquired  
 41.13 through state expenditures at achieving their  
 41.14 intended outcomes of public value and  
 41.15 ecological benefits and to develop a  
 41.16 standardized, objective conservation easement  
 41.17 valuation system for guiding future state  
 41.18 investments in conservation easements to  
 41.19 ensure the proposed environmental benefits  
 41.20 are being achieved in a cost-effective manner.  
 41.21 This appropriation is available until June 30,  
 41.22 2018, by which time the project must be  
 41.23 completed and final products delivered.

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

41.25	<b>Subd. 9. Land Acquisition,</b>			
41.26	<b>Habitat, and Recreation</b>	999,000	13,533,000	-0-

41.27 **(a) Metropolitan Regional Parks System Land**  
 41.28 **Acquisition**

41.29 \$1,500,000 the first year is from the trust fund  
 41.30 to the Metropolitan Council for grants to  
 41.31 acquire approximately ~~197~~ 70 acres of land  
 41.32 within the approved park boundaries of the  
 41.33 metropolitan regional park system. This  
 41.34 appropriation may not be used to purchase  
 41.35 habitable residential structures. A list of

42.1 proposed fee title acquisitions must be  
42.2 provided as part of the required work plan.  
42.3 This appropriation must be matched by at least  
42.4 40 percent of nonstate money that must be  
42.5 committed by December 31, 2017. This  
42.6 appropriation is available until June 30, 2020,  
42.7 by which time the project must be completed  
42.8 and final products delivered.

42.9 **(b) Scientific and Natural Areas Acquisition and**  
42.10 **Restoration, Citizen Science, and Engagement**

42.11 \$2,500,000 the first year is from the trust fund  
42.12 to the commissioner of natural resources to  
42.13 acquire at least 250 acres of land with  
42.14 high-quality native plant communities and rare  
42.15 features to be established as scientific and  
42.16 natural areas as provided in Minnesota  
42.17 Statutes, section 86A.05, subdivision 5, restore  
42.18 and improve at least 1,000 acres of scientific  
42.19 and natural areas, and provide technical  
42.20 assistance and outreach, including site steward  
42.21 events. At least one-third of the appropriation  
42.22 must be spent on restoration activities. A list  
42.23 of proposed acquisitions and restorations must  
42.24 be provided as part of the required work plan.  
42.25 Land acquired with this appropriation must  
42.26 be sufficiently improved to meet at least  
42.27 minimum management standards, as  
42.28 determined by the commissioner of natural  
42.29 resources. When feasible, consideration must  
42.30 be given to accommodate trails on lands  
42.31 acquired. This appropriation is available until  
42.32 June 30, 2020, by which time the project must  
42.33 be completed and final products delivered.

42.34 **(c) Minnesota State Parks and State Trails Land**  
42.35 **Acquisition**

43.1 \$1,500,000 the first year is from the trust fund  
43.2 to the commissioner of natural resources to  
43.3 acquire approximately 373 acres from willing  
43.4 sellers for authorized state trails and critical  
43.5 parcels within the statutory boundaries of state  
43.6 parks. State park land acquired with this  
43.7 appropriation must be sufficiently improved  
43.8 to meet at least minimum management  
43.9 standards, as determined by the commissioner  
43.10 of natural resources. A list of proposed  
43.11 acquisitions must be provided as part of the  
43.12 required work plan. This appropriation is  
43.13 available until June 30, 2020, by which time  
43.14 the project must be completed and final  
43.15 products delivered.

43.16 **(d) Minnesota State Trails Acquisition,**  
43.17 **Development, and Enhancement**

43.18 \$999,000 in fiscal year 2017 and \$39,000 the  
43.19 first year are from the trust fund to the  
43.20 commissioner of natural resources for state  
43.21 trail acquisition, development, and  
43.22 enhancement in southern Minnesota. A  
43.23 proposed list of trail projects on authorized  
43.24 state trails must be provided as part of the  
43.25 required work plan. This appropriation is  
43.26 available until June 30, 2020, by which time  
43.27 the project must be completed and final  
43.28 products delivered.

43.29 **(e) Native Prairie Stewardship and Prairie Bank**  
43.30 **Easement Acquisition**

43.31 \$2,675,000 the first year is from the trust fund  
43.32 to the commissioner of natural resources to  
43.33 acquire native prairie bank easements in  
43.34 accordance with Minnesota Statutes, section  
43.35 84.96, on approximately 335 acres, prepare  
43.36 baseline property assessments, restore and

44.1 enhance at least 570 acres of native prairie  
44.2 sites, and provide technical assistance to  
44.3 landowners. Of this amount, up to \$132,000  
44.4 may be deposited in a conservation easement  
44.5 stewardship account. Deposits into the  
44.6 conservation easement stewardship account  
44.7 must be made upon closing on conservation  
44.8 easements or at a time otherwise approved in  
44.9 the work plan. A list of proposed easement  
44.10 acquisitions must be provided as part of the  
44.11 required work plan. This appropriation is  
44.12 available until June 30, 2020, by which time  
44.13 the project must be completed and final  
44.14 products delivered.

44.15 **(f) Leech Lake Acquisition**

44.16 \$1,500,000 the first year is from the trust fund  
44.17 to the commissioner of natural resources for  
44.18 an agreement with the Leech Lake Band of  
44.19 Ojibwe to acquire approximately 45 acres,  
44.20 including 0.67 miles of shoreline of  
44.21 high-quality aquatic and wildlife habitat at the  
44.22 historic meeting place between Henry  
44.23 Schoolcraft and the Anishinabe people. The  
44.24 land must be open to public use including  
44.25 hunting and fishing. The band must provide a  
44.26 commitment that land will not be put in a  
44.27 federal trust through the Bureau of Indian  
44.28 Affairs.

44.29 **(g) Mesabi Trail Development**

44.30 \$2,269,000 the first year is from the trust fund  
44.31 to the commissioner of natural resources for  
44.32 an agreement with the St. Louis and Lake  
44.33 Counties Regional Railroad Authority for  
44.34 engineering and constructing segments of the  
44.35 Mesabi Trail. This appropriation is available

45.1 until June 30, 2020, by which time the project  
45.2 must be completed and final products  
45.3 delivered.

45.4 **(h) Tower Trailhead Boat Landing and Habitat**  
45.5 **Improvement - Phase II**

45.6 \$600,000 the first year is from the trust fund  
45.7 to the commissioner of natural resources for  
45.8 an agreement with the city of Tower to  
45.9 construct a trailhead and boat landing and  
45.10 restore vegetative habitat on city-owned  
45.11 property. Plant and seed materials must follow  
45.12 the Board of Water and Soil Resources' native  
45.13 vegetation establishment and enhancement  
45.14 guidelines. This appropriation is available until  
45.15 June 30, 2020, by which time the project must  
45.16 be completed and final products delivered.

45.17 **(i) Land Acquisition for Voyageurs National**  
45.18 **Park Crane Lake Visitors Center**

45.19 \$950,000 the first year is from the trust fund  
45.20 to the commissioner of natural resources for  
45.21 an agreement with the town of Crane Lake, in  
45.22 partnership with Voyageurs National Park and  
45.23 the Department of Natural Resources, to  
45.24 acquire approximately 30 acres to be used for  
45.25 a visitor center and campground. Income  
45.26 generated by the campground may be used to  
45.27 support the facility.