

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.

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

-0-

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

25.16 \$1,500,000 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. Availability of Appropriations**

26.7 Money appropriated in this section may not
26.8 be spent on activities unless they are directly
26.9 related to and necessary for a specific
26.10 appropriation and are specified in the work
26.11 plan approved by the Legislative-Citizen
26.12 Commission on Minnesota Resources. Money
26.13 appropriated in this section must not be spent
26.14 on indirect costs or other institutional overhead
26.15 charges that are not directly related to and
26.16 necessary for a specific appropriation. Costs
26.17 that are directly related to and necessary for
26.18 an appropriation, including financial services,
26.19 human resources, information services, rent,
26.20 and utilities, are eligible only if the costs can
26.21 be clearly justified and individually
26.22 documented specific to the appropriation's
26.23 purpose and would not be generated by the
26.24 recipient but for receipt of the appropriation.
26.25 No broad allocations for costs in either dollars
26.26 or percentages are allowed. Unless otherwise
26.27 provided, the amounts in this section are
26.28 available until June 30, 2022, when projects
26.29 must be completed and final products
26.30 delivered. For acquisition of real property, the
26.31 appropriations in this section are available for
26.32 an additional fiscal year if a binding contract
26.33 for acquisition of the real property is entered
26.34 into before the expiration date of the
26.35 appropriation. If a project receives a federal

27.1 grant, the time period of the appropriation is
27.2 extended to equal the federal grant period.

27.3 **Subd. 13. Data Availability Requirements**

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

27.24 **Subd. 14. Project Requirements**

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

28.1 Modifications to the approved work plan and
28.2 budget expenditures must be made through
28.3 the amendment process established by the
28.4 Legislative-Citizen Commission on Minnesota
28.5 Resources.

28.6 (b) A recipient of money appropriated in this
28.7 section that conducts a restoration using funds
28.8 appropriated in this section must use native
28.9 plant species according to the Board of Water
28.10 and Soil Resources' native vegetation
28.11 establishment and enhancement guidelines
28.12 and include an appropriate diversity of native
28.13 species selected to provide habitat for
28.14 pollinators throughout the growing season as
28.15 required under Minnesota Statutes, section
28.16 84.973.

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

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

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

31.1 natural resources or conservation lands that
31.2 provide natural buffers to water resources.

31.3 (j) For new lands acquired with money
31.4 appropriated under this section, a recipient
31.5 must prepare an ecological restoration and
31.6 management plan in compliance with
31.7 paragraph (c), including sufficient funding for
31.8 implementation unless the work plan addresses
31.9 why a portion of the money is not necessary
31.10 to achieve a high-quality restoration.

31.11 (k) To ensure public accountability for using
31.12 public funds, a recipient of money
31.13 appropriated under this section must, within
31.14 60 days of the transaction, provide to the
31.15 Legislative-Citizen Commission on Minnesota
31.16 Resources documentation of the selection
31.17 process used to identify parcels acquired and
31.18 provide documentation of all related
31.19 transaction costs, including but not limited to
31.20 appraisals, legal fees, recording fees,
31.21 commissions, other similar costs, and
31.22 donations. This information must be provided
31.23 for all parties involved in the transaction. The
31.24 recipient must also report to the
31.25 Legislative-Citizen Commission on Minnesota
31.26 Resources any difference between the
31.27 acquisition amount paid to the seller and the
31.28 state-certified or state-reviewed appraisal, if
31.29 a state-certified or state-reviewed appraisal
31.30 was conducted.

31.31 (l) A recipient of an appropriation from the
31.32 trust fund under this section must acknowledge
31.33 financial support from the environment and
31.34 natural resources trust fund in project
31.35 publications, signage, and other public

32.1 communications and outreach related to work
 32.2 completed using the appropriation.
 32.3 Acknowledgment may occur, as appropriate,
 32.4 through use of the trust fund logo or inclusion
 32.5 of language attributing support from the trust
 32.6 fund. Each direct recipient of money
 32.7 appropriated in this section, as well as each
 32.8 recipient of a grant awarded pursuant to this
 32.9 section, must satisfy all reporting and other
 32.10 requirements incumbent upon constitutionally
 32.11 dedicated funding recipients as provided in
 32.12 Minnesota Statutes, section 3.303, subdivision
 32.13 10, and chapter 116P.

32.14 **Subd. 15. Payment Conditions and**
 32.15 **Capital-Equipment Expenditures**

32.16 (a) All agreements, grants, or contracts
 32.17 referred to in this section must be administered
 32.18 on a reimbursement basis unless otherwise
 32.19 provided in this section. Notwithstanding
 32.20 Minnesota Statutes, section 16A.41,
 32.21 expenditures made on or after July 1, 2019,
 32.22 or the date the work plan is approved,
 32.23 whichever is later, are eligible for
 32.24 reimbursement unless otherwise provided in
 32.25 this section. Periodic payments must be made
 32.26 upon receiving documentation that the
 32.27 deliverable items articulated in the approved
 32.28 work plan have been achieved, including
 32.29 partial achievements as evidenced by approved
 32.30 progress reports. Reasonable amounts may be
 32.31 advanced to projects to accommodate
 32.32 cash-flow needs or match federal money. The
 32.33 advances must be approved as part of the work
 32.34 plan. No expenditures for capital equipment
 32.35 are allowed unless expressly authorized in the
 32.36 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 is extended to June 30,
34.4 2020:
- 34.5 (1) Laws 2014, chapter 226, section 2,
34.6 subdivision 10, paragraph (c),
34.7 Legislative-Citizen Commission on Minnesota
34.8 Resources (LCCMR);
- 34.9 (2) Laws 2015, chapter 76, section 2,
34.10 subdivision 3, paragraph (g), Minnesota
34.11 Native Bee Atlas;
- 34.12 (3) Laws 2015, chapter 76, section 2,
34.13 subdivision 10, Emerging Issues Account;
- 34.14 (4) Laws 2016, chapter 186, section 2,
34.15 subdivision 3, paragraph (a), Data-Driven
34.16 Pollinator Conservation Strategies;
- 34.17 (5) Laws 2016, chapter 186, section 2,
34.18 subdivision 3, paragraph (c), Prairie Butterfly
34.19 Conservation, Research, and Breeding - Phase
34.20 II;
- 34.21 (6) Laws 2016, chapter 186, section 2,
34.22 subdivision 4, paragraph (r), Morrison County
34.23 Performance Drainage and Hydrology
34.24 Management;
- 34.25 (7) Laws 2016, chapter 186, section 2,
34.26 subdivision 6, paragraph (c), Advancing
34.27 Microbial Invasive Species Monitoring from
34.28 Ballast Discharge;
- 34.29 (8) Laws 2016, chapter 186, section 2,
34.30 subdivision 6, paragraph (e), Elimination of
34.31 Target Invasive Plant Species - Phase II;

- 35.1 (9) Laws 2016, chapter 186, section 2,
- 35.2 subdivision 8, paragraph (a), Bee Pollinator
- 35.3 Habitat Enhancement - Phase II;
- 35.4 (10) Laws 2016, chapter 186, section 2,
- 35.5 subdivision 8, paragraph (b), Measuring Pollen
- 35.6 and Seed Dispersal for Prairie Fragment
- 35.7 Connectivity;
- 35.8 (11) Laws 2016, chapter 186, section 2,
- 35.9 subdivision 8, paragraph (f), Forest
- 35.10 Management for Mississippi River Drinking
- 35.11 Water Protection;
- 35.12 (12) Laws 2016, chapter 186, section 2,
- 35.13 subdivision 9, paragraph (b), Minnesota Point
- 35.14 Pine Forest Scientific and Natural Area
- 35.15 Acquisition; and
- 35.16 (13) Laws 2017, chapter 96, section 2,
- 35.17 subdivision 4, paragraph (a), Assessment of
- 35.18 Household Chemicals and Herbicides in
- 35.19 Rivers and Lakes.
- 35.20 (b) The availability of the appropriation under
- 35.21 Laws 2017, chapter 96, section 2, subdivision
- 35.22 7, paragraph (b), Assessment of Urban Air
- 35.23 Quality, is extended to June 30, 2021.

35.24 Sec. 3. Laws 2015, chapter 76, section 2, subdivision 9, as amended by Laws 2018, chapter
 35.25 214, article 4, section 5, is amended to read:

35.26 **Subd. 9. Land Acquisition for Habitat and**
 35.27 **Recreation**

14,190,000

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35.28 **(a) State Parks and Trails Land**
 35.29 **Acquisitions**

35.30 \$1,500,000 the first year is from the trust fund
 35.31 to the commissioner of natural resources to
 35.32 acquire at least 335 acres for authorized state
 35.33 trails and critical parcels within the statutory

36.1 boundaries of state parks. State park land
36.2 acquired with this appropriation must be
36.3 sufficiently improved to meet at least
36.4 minimum management standards, as
36.5 determined by the commissioner of natural
36.6 resources. A list of proposed acquisitions must
36.7 be provided as part of the required work plan.
36.8 This appropriation is available until June 30,
36.9 2018, by which time the project must be
36.10 completed and final products delivered.

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

36.12 **Land Acquisition - Phase IV**

36.13 \$1,000,000 the first year is from the trust fund
36.14 to the Metropolitan Council for grants to
36.15 acquire ~~at least 133~~ approximately 90 acres of
36.16 lands within the approved park unit boundaries
36.17 of the metropolitan regional park system. This
36.18 appropriation may not be used to purchase
36.19 habitable residential structures. A list of
36.20 proposed fee title and easement acquisitions
36.21 must be provided as part of the required work
36.22 plan. This appropriation must be matched by
36.23 at least 40 percent of nonstate money that must
36.24 be committed by December 31, 2015, or the
36.25 appropriation cancels. This appropriation is
36.26 available until June 30, 2018, by which time
36.27 the project must be completed and final
36.28 products delivered.

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

36.30 **Enhancement, and Public Engagement**

36.31 \$4,000,000 the first year is from the trust fund
36.32 to the commissioner of natural resources to
36.33 acquire at least 350 acres of lands with
36.34 high-quality native plant communities and rare
36.35 features to be established as scientific and

37.1 natural areas as provided in Minnesota
37.2 Statutes, section 86A.05, subdivision 5, restore
37.3 and improve at least 550 acres of scientific
37.4 and natural areas, and provide technical
37.5 assistance and outreach. A list of proposed
37.6 acquisitions must be provided as part of the
37.7 required work plan. Land acquired with this
37.8 appropriation must be sufficiently improved
37.9 to meet at least minimum management
37.10 standards, as determined by the commissioner
37.11 of natural resources. This appropriation is
37.12 available until June 30, 2018, by which time
37.13 the project must be completed and final
37.14 products delivered.

37.15 **(d) Native Prairie Stewardship and Prairie**
37.16 **Bank Easement Acquisition**

37.17 \$3,325,000 the first year is from the trust fund
37.18 to the commissioner of natural resources to
37.19 acquire native prairie bank easements on at
37.20 least 675 acres, prepare baseline property
37.21 assessments, restore and enhance at least 1,000
37.22 acres of native prairie sites, and provide
37.23 technical assistance to landowners. Of this
37.24 amount, up to \$195,000 must be deposited in
37.25 a conservation easement stewardship account.
37.26 Deposits into the conservation easement
37.27 stewardship account must be made upon
37.28 closing on conservation easements or at a time
37.29 otherwise approved in the work plan. A list of
37.30 proposed easement acquisitions must be
37.31 provided as part of the required work plan.
37.32 This appropriation is available until June 30,
37.33 2018, by which time the project must be
37.34 completed and final products delivered.

38.1 **(e) Metro Conservation Corridors - Phase**
38.2 **VIII Coordination, Mapping, and**
38.3 **Conservation Easements**

38.4 \$515,000 the first year is from the trust fund
38.5 to the commissioner of natural resources for
38.6 an agreement with the Minnesota Land Trust
38.7 for Phase VIII of the Metro Conservation
38.8 Corridors partnership to provide coordination
38.9 and mapping for the partnership and to acquire
38.10 permanent conservation easements on at least
38.11 120 acres of strategic ecological landscapes
38.12 to protect priority natural areas in the
38.13 metropolitan area, as defined under Minnesota
38.14 Statutes, section 473.121, subdivision 2, and
38.15 portions of the surrounding counties. A list of
38.16 proposed easement acquisitions must be
38.17 provided as part of the required work plan.
38.18 Land acquired with this appropriation must
38.19 be sufficiently improved to meet at least
38.20 minimum management standards, as
38.21 determined by the commissioner of natural
38.22 resources. Expenditures are limited to the
38.23 identified project corridor areas as defined in
38.24 the work plan. Up to \$40,000 may be used for
38.25 coordination and mapping for the Metro
38.26 Conservation Corridors. All conservation
38.27 easements must be perpetual and have a
38.28 natural resource management plan. A list of
38.29 proposed easement acquisitions must be
38.30 provided as part of the required work plan.
38.31 This appropriation is available June 30, 2018,
38.32 by which time the project must be completed
38.33 and final products delivered.

38.34 **(f) Metro Conservation Corridors - Phase**
38.35 **VIII Strategic Lands Protection**

39.1 \$750,000 the first year is from the trust fund
39.2 to the commissioner of natural resources for
39.3 an agreement with The Trust for Public Land
39.4 for Phase VIII of the Metro Conservation
39.5 Corridors partnership to acquire in fee at least
39.6 35 acres of high-quality priority state and local
39.7 natural areas in the metropolitan area, as
39.8 defined under Minnesota Statutes, section
39.9 473.121, subdivision 2, and portions of the
39.10 surrounding counties. A list of proposed
39.11 acquisitions must be provided as part of the
39.12 required work plan. Land acquired with this
39.13 appropriation must be sufficiently improved
39.14 to meet at least minimum management
39.15 standards, as determined by the commissioner
39.16 of natural resources. Expenditures are limited
39.17 to the identified project corridor areas as
39.18 defined in the work plan. This appropriation
39.19 may not be used to purchase habitable
39.20 residential structures, unless expressly
39.21 approved in the work plan. A list of fee title
39.22 acquisitions must be provided as part of the
39.23 required work plan. This appropriation is
39.24 available until June 30, 2018, by which time
39.25 the project must be completed and final
39.26 products delivered.

39.27 **(g) Metro Conservation Corridors - Phase**
39.28 **VIII Priority Expansion of Minnesota**
39.29 **Valley National Wildlife Refuge**

39.30 \$500,000 the first year is from the trust fund
39.31 to the commissioner of natural resources for
39.32 an agreement with the Minnesota Valley
39.33 National Wildlife Refuge Trust, Inc. for Phase
39.34 VIII of the Metro Conservation Corridors
39.35 partnership to acquire in fee at least 100 acres

40.1 of priority habitat for the Minnesota Valley
40.2 National Wildlife Refuge in the metropolitan
40.3 area, as defined under Minnesota Statutes,
40.4 section 473.121, subdivision 2, and portions
40.5 of the surrounding counties. A list of proposed
40.6 acquisitions must be provided as part of the
40.7 required work plan. Land acquired with this
40.8 appropriation must be sufficiently improved
40.9 to meet at least minimum management
40.10 standards. Expenditures are limited to the
40.11 identified project corridor areas as defined in
40.12 the work plan. This appropriation may not be
40.13 used to purchase habitable residential
40.14 structures, unless expressly approved in the
40.15 work plan. This appropriation is available until
40.16 June 30, 2018, by which time the project must
40.17 be completed and final products delivered.

40.18 **(h) Metro Conservation Corridors - Phase**
40.19 **VIII Wildlife Management Area**
40.20 **Acquisition**

40.21 \$400,000 the first year is from the trust fund
40.22 to the commissioner of natural resources for
40.23 Phase VIII of the Metro Conservation
40.24 Corridors partnership to acquire in fee at least
40.25 82 acres along the lower reaches of the
40.26 Vermillion River in Dakota County within the
40.27 Gores Pool Wildlife Management Area. Land
40.28 acquired with this appropriation must be
40.29 sufficiently improved to meet at least
40.30 minimum management standards. This
40.31 appropriation may not be used to purchase
40.32 habitable residential structures, unless
40.33 expressly approved in the work plan. This
40.34 appropriation is available until June 30, 2018,

41.1 by which time the project must be completed
41.2 and final products delivered.

41.3 **(i) Mesabi Trail Development Soudan to**
41.4 **Ely - Phase II**

41.5 \$1,000,000 the first year is from the trust fund
41.6 to the commissioner of natural resources for
41.7 an agreement with the St. Louis and Lake
41.8 Counties Regional Railroad Authority for the
41.9 right-of-way acquisition, design, and
41.10 construction of segments of the Mesabi Trail,
41.11 totaling approximately seven miles between
41.12 Soudan and Ely. This appropriation is
41.13 available until June 30, 2018, by which time
41.14 the project must be completed and final
41.15 products delivered.

41.16 **(j) Multi-benefit Watershed Scale**
41.17 **Conservation on North Central Lakes**

41.18 \$950,000 the first year is from the trust fund
41.19 to the Board of Water and Soil Resources to
41.20 secure permanent conservation easements on
41.21 at least 480 acres of high-quality habitat in
41.22 Crow Wing and Cass Counties. Of this
41.23 amount, up to \$65,000 must be deposited in a
41.24 conservation easement stewardship account;
41.25 and \$54,000 is for an agreement with the
41.26 Leech Lake Area Watershed Foundation in
41.27 cooperation with Crow Wing County Soil and
41.28 Water Conservation District and Cass County
41.29 Soil and Water Conservation District. Deposits
41.30 into the conservation easement stewardship
41.31 account must be made upon closing on
41.32 conservation easements or at a time otherwise
41.33 approved in the work plan. A list of proposed
41.34 easement acquisitions must be provided as
41.35 part of the required work plan. This

42.1 appropriation is available until June 30, 2018,
 42.2 by which time the project must be completed
 42.3 and final products delivered.

42.4 **(k) Conservation Easement Assessment and**
 42.5 **Valuation System Development**

42.6 \$250,000 the first year is from the trust fund
 42.7 to the Board of Regents of the University of
 42.8 Minnesota to assess the effectiveness of
 42.9 existing conservation easements acquired
 42.10 through state expenditures at achieving their
 42.11 intended outcomes of public value and
 42.12 ecological benefits and to develop a
 42.13 standardized, objective conservation easement
 42.14 valuation system for guiding future state
 42.15 investments in conservation easements to
 42.16 ensure the proposed environmental benefits
 42.17 are being achieved in a cost-effective manner.

42.18 This appropriation is available until June 30,
 42.19 2018, by which time the project must be
 42.20 completed and final products delivered.

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

42.22	Subd. 9. Land Acquisition,			
42.23	Habitat, and Recreation	999,000	13,533,000	-0-

42.24 **(a) Metropolitan Regional Parks System Land**
 42.25 **Acquisition**

42.26 \$1,500,000 the first year is from the trust fund
 42.27 to the Metropolitan Council for grants to
 42.28 acquire approximately ~~197~~ 70 acres of land
 42.29 within the approved park boundaries of the
 42.30 metropolitan regional park system. This
 42.31 appropriation may not be used to purchase
 42.32 habitable residential structures. A list of
 42.33 proposed fee title acquisitions must be
 42.34 provided as part of the required work plan.
 42.35 This appropriation must be matched by at least

43.1 40 percent of nonstate money that must be
 43.2 committed by December 31, 2017. This
 43.3 appropriation is available until June 30, 2020,
 43.4 by which time the project must be completed
 43.5 and final products delivered.

43.6 **(b) Scientific and Natural Areas Acquisition and**
 43.7 **Restoration, Citizen Science, and Engagement**

43.8 \$2,500,000 the first year is from the trust fund
 43.9 to the commissioner of natural resources to
 43.10 acquire ~~at least 250 acres of~~ land with
 43.11 high-quality native plant communities and rare
 43.12 features to be established as scientific and
 43.13 natural areas as provided in Minnesota
 43.14 Statutes, section 86A.05, subdivision 5, restore
 43.15 and improve ~~at least 1,000 acres of~~ scientific
 43.16 and natural areas, and provide technical
 43.17 assistance and outreach, including site steward
 43.18 events. At least one-third of the appropriation
 43.19 must be spent on restoration activities. A list
 43.20 of proposed acquisitions and restorations must
 43.21 be provided as part of the required work plan.
 43.22 Land acquired with this appropriation must
 43.23 be sufficiently improved to meet at least
 43.24 minimum management standards, as
 43.25 determined by the commissioner of natural
 43.26 resources. When feasible, consideration must
 43.27 be given to accommodate trails on lands
 43.28 acquired. This appropriation is available until
 43.29 June 30, 2020, by which time the project must
 43.30 be completed and final products delivered.

43.31 **(c) Minnesota State Parks and State Trails Land**
 43.32 **Acquisition**

43.33 \$1,500,000 the first year is from the trust fund
 43.34 to the commissioner of natural resources to
 43.35 acquire approximately 373 acres from willing
 43.36 sellers for authorized state trails and critical

44.1 parcels within the statutory boundaries of state
 44.2 parks. State park land acquired with this
 44.3 appropriation must be sufficiently improved
 44.4 to meet at least minimum management
 44.5 standards, as determined by the commissioner
 44.6 of natural resources. A list of proposed
 44.7 acquisitions must be provided as part of the
 44.8 required work plan. This appropriation is
 44.9 available until June 30, 2020, by which time
 44.10 the project must be completed and final
 44.11 products delivered.

44.12 **(d) Minnesota State Trails Acquisition,**
 44.13 **Development, and Enhancement**

44.14 \$999,000 in fiscal year 2017 and \$39,000 the
 44.15 first year are from the trust fund to the
 44.16 commissioner of natural resources for state
 44.17 trail acquisition, development, and
 44.18 enhancement in southern Minnesota. A
 44.19 proposed list of trail projects on authorized
 44.20 state trails must be provided as part of the
 44.21 required work plan. This appropriation is
 44.22 available until June 30, 2020, by which time
 44.23 the project must be completed and final
 44.24 products delivered.

44.25 **(e) Native Prairie Stewardship and Prairie Bank**
 44.26 **Easement Acquisition**

44.27 \$2,675,000 the first year is from the trust fund
 44.28 to the commissioner of natural resources to
 44.29 acquire native prairie bank easements in
 44.30 accordance with Minnesota Statutes, section
 44.31 84.96, on approximately ~~335~~ 250 acres,
 44.32 prepare baseline property assessments, restore
 44.33 and enhance ~~at least 570 acres of~~ native prairie
 44.34 sites, and provide technical assistance to
 44.35 landowners. Of this amount, up to \$132,000
 44.36 may be deposited in a conservation easement

45.1 stewardship account. Deposits into the
45.2 conservation easement stewardship account
45.3 must be made upon closing on conservation
45.4 easements or at a time otherwise approved in
45.5 the work plan. A list of proposed easement
45.6 acquisitions must be provided as part of the
45.7 required work plan. This appropriation is
45.8 available until June 30, 2020, by which time
45.9 the project must be completed and final
45.10 products delivered.

45.11 **(f) Leech Lake Acquisition**

45.12 \$1,500,000 the first year is from the trust fund
45.13 to the commissioner of natural resources for
45.14 an agreement with the Leech Lake Band of
45.15 Ojibwe to acquire approximately 45 acres,
45.16 including 0.67 miles of shoreline of
45.17 high-quality aquatic and wildlife habitat at the
45.18 historic meeting place between Henry
45.19 Schoolcraft and the Anishinabe people. The
45.20 land must be open to public use including
45.21 hunting and fishing. The band must provide a
45.22 commitment that land will not be put in a
45.23 federal trust through the Bureau of Indian
45.24 Affairs.

45.25 **(g) Mesabi Trail Development**

45.26 \$2,269,000 the first year is from the trust fund
45.27 to the commissioner of natural resources for
45.28 an agreement with the St. Louis and Lake
45.29 Counties Regional Railroad Authority for
45.30 engineering and constructing segments of the
45.31 Mesabi Trail. This appropriation is available
45.32 until June 30, 2020, by which time the project
45.33 must be completed and final products
45.34 delivered.

46.1 **(h) Tower Trailhead Boat Landing and Habitat**
46.2 **Improvement - Phase II**

46.3 \$600,000 the first year is from the trust fund
46.4 to the commissioner of natural resources for
46.5 an agreement with the city of Tower to
46.6 construct a trailhead and boat landing and
46.7 restore vegetative habitat on city-owned
46.8 property. Plant and seed materials must follow
46.9 the Board of Water and Soil Resources' native
46.10 vegetation establishment and enhancement
46.11 guidelines. This appropriation is available until
46.12 June 30, 2020, by which time the project must
46.13 be completed and final products delivered.

46.14 **(i) Land Acquisition for Voyageurs National**
46.15 **Park Crane Lake Visitors Center**

46.16 \$950,000 the first year is from the trust fund
46.17 to the commissioner of natural resources for
46.18 an agreement with the town of Crane Lake, in
46.19 partnership with Voyageurs National Park and
46.20 the Department of Natural Resources, to
46.21 acquire approximately 30 acres to be used for
46.22 a visitor center and campground. Income
46.23 generated by the campground may be used to
46.24 support the facility.

46.25 **Sec. 5. TRANSFER.**

46.26 On June 30, 2019, any unencumbered money from Laws 2017, chapter 96, section 2,
46.27 subdivision 10, paragraph (b), is transferred to the grants management system under Laws
46.28 2016, chapter 186, section 2, subdivision 10, paragraph (b).

46.29 **EFFECTIVE DATE.** This section is effective the day following final enactment.