

SENATE
STATE OF MINNESOTA
NINETY-SECOND SESSION

S.F. No. 690

(SENATE AUTHORS: INGEBRIGTSEN, Tomassoni, Westrom, Hawj and Dziedzic)

DATE D-PG OFFICIAL STATUS

02/04/2021 255 Introduction and first reading
Referred to Environment and Natural Resources Finance
See First Special Session 2021, SF20, Art. 5, Sec. 2, Sub. 1(a), (c), Sub. 5(b), Sub. 8(a), Sub. 9(a)-(c), Sub. 11-19, Art. 6

1.1 A bill for an act
1.2 relating to natural resources; appropriating money from environment and natural
1.3 resources trust fund.

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

1.5 Section 1. APPROPRIATIONS.

1.6 The sums shown in the columns marked "Appropriations" are appropriated to the agencies
1.7 and for the purposes specified in this act. The appropriations are from the environment and
1.8 natural resources trust fund and are available for the fiscal years indicated for each purpose.
1.9 The figures "2022" and "2023" used in this act mean that the appropriations listed under
1.10 them are available for the fiscal year ending June 30, 2022, or June 30, 2023, respectively.
1.11 "The first year" is fiscal year 2022. "The second year" is fiscal year 2023. "The biennium"
1.12 is fiscal years 2022 and 2023.

Table with columns for APPROPRIATIONS Available for the Year Ending June 30, 2022, and 2023.

1.17 Sec. 2. MINNESOTA RESOURCES

1.18 Subdivision 1. Total Appropriation \$ 70,881,000 \$ -0-

1.19 The amounts that may be spent for each
1.20 purpose are specified in the following
1.21 subdivisions. Appropriations in the first year
1.22 are available for three years beginning July 1,
1.23 2021, unless otherwise stated in the
1.24 appropriation. Any unencumbered balance

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

2.4 **Subd. 2. Definition**

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

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

10,459,000

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2.11 **(a) What's Bugging Minnesota's Insect-Eating**  
 2.12 **Birds?**

2.13 \$199,000 the first year is from the trust fund  
 2.14 to the Board of Regents of the University of  
 2.15 Minnesota for the Natural Resources Research  
 2.16 Institute to examine the relationship between  
 2.17 insect abundance, timing of insect availability,  
 2.18 and breeding success for multiple bird species  
 2.19 across land-use intensities to develop  
 2.20 comprehensive guidelines to conserve bird  
 2.21 and insect diversity.

2.22 **(b) Protecting Minnesota's Beneficial**  
 2.23 **Macroalgae: All Stoneworts Aren't Starry**

2.24 \$811,000 the first year is from the trust fund  
 2.25 to the commissioner of natural resources to  
 2.26 conduct a statewide inventory to provide  
 2.27 baseline data and build in-state knowledge of  
 2.28 Minnesota's native stoneworts, a diverse group  
 2.29 of aquatic plants that support clear lakes and  
 2.30 healthy fish habitat.

2.31 **(c) County Groundwater Atlas**

2.32 \$1,875,000 the first year is from the trust fund  
 2.33 to the commissioner of natural resources to  
 2.34 continue producing county groundwater

3.1 atlases to inform management of surface water  
3.2 and groundwater resources for drinking and  
3.3 other purposes. This appropriation is for Part  
3.4 B, to characterize the potential water yields of  
3.5 aquifers and aquifers' sensitivity to  
3.6 contamination.

3.7 **(d) Improving Resiliency and Conservation**  
3.8 **Outcomes for Minnesota Turtles**

3.9 \$391,000 the first year is from the trust fund  
3.10 to the Minnesota Zoological Garden to  
3.11 improve the conservation of Minnesota's  
3.12 imperiled turtles through animal husbandry,  
3.13 field conservation, and educational  
3.14 programming. This appropriation is available  
3.15 until June 30, 2025, by which time the project  
3.16 must be completed and final products  
3.17 delivered.

3.18 **(e) Minnesota Biological Survey**

3.19 \$1,500,000 the first year is from the trust fund  
3.20 to the commissioner of natural resources to  
3.21 complete the statewide baseline biological  
3.22 survey by finalizing data, analyses, and  
3.23 publications and by conducting targeted field  
3.24 surveys to fill missing gaps of information  
3.25 needed to support conservation of Minnesota's  
3.26 biodiversity. Any revenues generated through  
3.27 the publication of books or other resources  
3.28 created through this appropriation may be  
3.29 reinvested as described in the work plan  
3.30 approved by the Legislative-Citizen  
3.31 Commission on Minnesota Resources  
3.32 according to Minnesota Statutes, section  
3.33 116P.10.

3.34 **(f) Groundwater Contamination Mapping**  
3.35 **Project - Phase II**

4.1 \$800,000 the first year is from the trust fund  
4.2 to the commissioner of the Pollution Control  
4.3 Agency to improve protection of groundwater  
4.4 resources for drinking water by expanding the  
4.5 web-based interactive groundwater  
4.6 contamination mapping system to include all  
4.7 other state hazardous and solid waste cleanup  
4.8 programs and by upgrading the system to  
4.9 collect monitoring data.

4.10 **(g) Geologic Atlases for Water Resource**  
4.11 **Management**

4.12 \$3,092,000 the first year is from the trust fund  
4.13 to the Board of Regents of the University of  
4.14 Minnesota, Minnesota Geological Survey, to  
4.15 continue producing county geologic atlases to  
4.16 inform management of surface water and  
4.17 groundwater resources. This appropriation is  
4.18 to complete Part A, which focuses on the  
4.19 properties and distribution of earth materials  
4.20 to define aquifer boundaries and the  
4.21 connection of aquifers to the land surface and  
4.22 surface water resources.

4.23 **(h) Redwood County Reinvest in Minnesota**  
4.24 **Easement Evaluation and Public Outreach**

4.25 \$197,000 the first year is from the trust fund  
4.26 to the commissioner of natural resources for  
4.27 an agreement with Redwood County for the  
4.28 Redwood Soil and Water Conservation District  
4.29 to inventory vegetation, evaluate wetland  
4.30 conditions, and create a countywide  
4.31 stewardship plan for lands protected with  
4.32 permanent conservation easements. This  
4.33 appropriation may also be spent to conduct  
4.34 outreach to volunteers and landowners on  
4.35 effective prairie and wetland habitat  
4.36 management.

5.1 **(i) Collaborative State and Tribal Wild Rice**  
5.2 **Monitoring Program**

5.3 \$644,000 the first year is from the trust fund  
5.4 to the commissioner of natural resources to  
5.5 work with tribal partners to create a  
5.6 collaborative and comprehensive monitoring  
5.7 program to conserve wild-rice waters, develop  
5.8 remote sensing tools for statewide estimates  
5.9 of wild rice coverage, and collect consistent  
5.10 field data on wild rice health and abundance.

5.11 **(j) Morrison County Performance Drainage and**  
5.12 **Hydrology Management II**

5.13 \$197,000 the first year is from the trust fund  
5.14 to the commissioner of natural resources for  
5.15 an agreement with the Morrison Soil and  
5.16 Water Conservation District to complete the  
5.17 Morrison County culvert inventory started in  
5.18 2016 to help solve landowner conflicts, protect  
5.19 wetlands, improve water quality, and design  
5.20 additional water storage throughout the  
5.21 county.

5.22 **(k) Exploring Minnesota's Wetlands: Our**  
5.23 **Resource for Future Medicine**

5.24 \$210,000 the first year is from the trust fund  
5.25 to the Board of Regents of the University of  
5.26 Minnesota, Crookston, to work with White  
5.27 Earth Tribal and Community College to  
5.28 catalog bog microbe diversity in Minnesota's  
5.29 ecoregions, test for potential  
5.30 antibiotic-producing microorganisms, and  
5.31 establish methods to enhance any antibiotic  
5.32 cultures discovered.

5.33 **(l) A Biodiversity Checkup for Minnesota's Big**  
5.34 **Woods**

6.1 \$109,000 the first year is from the trust fund  
 6.2 to the Board of Regents of the University of  
 6.3 Minnesota to inform conservation strategies  
 6.4 by comparing the historic and contemporary  
 6.5 flora of Minnesota's Big Woods to determine  
 6.6 if all species have survived in the small  
 6.7 remaining remnants of that ecosystem.

6.8 **(m) Microbiome in Raptors: A New Tool for**  
 6.9 **Conservation**

6.10 \$129,000 the first year is from the trust fund  
 6.11 to the Board of Regents of the University of  
 6.12 Minnesota for the Raptor Center to improve  
 6.13 wildlife care and environmental stewardship  
 6.14 by evaluating the impact of antibiotics  
 6.15 administered during captivity on raptor gut  
 6.16 microbiome, rehabilitation success, and the  
 6.17 potential spread of antimicrobial resistance in  
 6.18 the natural environment.

6.19 **(n) Bioacoustics for Broad-Scale Species**  
 6.20 **Monitoring and Conservation**

6.21 \$305,000 the first year is from the trust fund  
 6.22 to the Board of Regents of the University of  
 6.23 Minnesota to improve wildlife conservation  
 6.24 efforts by using passive acoustic monitoring  
 6.25 devices to determine statewide distribution  
 6.26 and reproduction of red-headed woodpeckers  
 6.27 and developing a protocol for future use of  
 6.28 this technology to monitor population trends  
 6.29 and responses to habitat management. This  
 6.30 appropriation is available until June 30, 2025,  
 6.31 by which time the project must be completed  
 6.32 and final products delivered.

6.33 **Subd. 4. Water Resources**

4,771,000

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6.34 **(a) Trout Stream Habitat Restoration Success**

7.1 \$319,000 the first year is from the trust fund  
7.2 to the Board of Regents of the University of  
7.3 Minnesota for the Natural Resources Research  
7.4 Institute to evaluate the effectiveness and  
7.5 durability of previous trout stream habitat  
7.6 restoration projects to improve the success and  
7.7 cost effectiveness of future projects. This  
7.8 appropriation is available until June 30, 2025,  
7.9 by which time the project must be completed  
7.10 and final products delivered.

7.11 **(b) Novel Nutrient Recovery Process from**  
7.12 **Wastewater Treatment Plants**

7.13 \$200,000 the first year is from the trust fund  
7.14 to the Board of Regents of the University of  
7.15 Minnesota to conduct lab- and pilot-scale tests  
7.16 of a new process to promote nutrient removal  
7.17 and recovery at rural municipal and industrial  
7.18 wastewater treatment plants for water  
7.19 protection and renewable energy production.

7.20 **(c) Monitoring Emerging Viruses in Minnesota's**  
7.21 **Urban Water Cycles**

7.22 \$416,000 the first year is from the trust fund  
7.23 to the Board of Regents of the University of  
7.24 Minnesota to develop rapid testing,  
7.25 quantification, and human exposure risk  
7.26 assessment models for enveloped viruses such  
7.27 as coronaviruses in urban wastewater and  
7.28 drinking water treatment processes.

7.29 **(d) Microgeographic Impact of Antibiotics**  
7.30 **Released from Identified Hotspots**

7.31 \$508,000 the first year is from the trust fund  
7.32 to the Board of Regents of the University of  
7.33 Minnesota to inform protection of  
7.34 environmental, animal, and human health from  
7.35 proliferation of antibiotic resistance by

8.1 quantifying and mapping the extent of  
8.2 antibiotic spread in waters and soils from  
8.3 locations identified as release hot spots.

8.4 **(e) Sustainable Irrigation Management:**  
8.5 **Expanding a Web Application**

8.6 \$1,139,000 the first year is from the trust fund  
8.7 to the Board of Regents of the University of  
8.8 Minnesota to promote responsible use of  
8.9 Minnesota's groundwater resources by  
8.10 expanding an existing irrigation management  
8.11 assistance tool into a mobile-compatible web  
8.12 application for the top agricultural-producing  
8.13 counties in the state. This appropriation is  
8.14 available until June 30, 2025, by which time  
8.15 the project must be completed and final  
8.16 products delivered.

8.17 **(f) Assessing Membrane Bioreactor Wastewater**  
8.18 **Treatment Efficacy**

8.19 \$419,000 the first year is from the trust fund  
8.20 to the Board of Trustees of the Minnesota  
8.21 State Colleges and Universities system for St.  
8.22 Cloud State University to conduct a  
8.23 comprehensive assessment of membrane  
8.24 bioreactor treatment of wastewater to inform  
8.25 managers of options for updating or replacing  
8.26 aging wastewater infrastructure.

8.27 **(g) Evaluating Coronavirus and Other**  
8.28 **Microbiological Contamination of Drinking**  
8.29 **Water Sources from Wastewater**

8.30 \$594,000 the first year is from the trust fund  
8.31 to the Board of Regents of the University of  
8.32 Minnesota to survey public and private wells  
8.33 to identify sources of and evaluate solutions  
8.34 to microbiological contamination of drinking  
8.35 water sources by wastewater, including from  
8.36 the virus that causes COVID-19.



9.1 **(h) St. James Pit Water-Level Control Study**

9.2 \$259,000 the first year is from the trust fund  
9.3 to the commissioner of natural resources for  
9.4 an agreement with the city of Aurora to install  
9.5 sampling wells and conduct a study to  
9.6 determine appropriate mitigation of the  
9.7 abandoned St. James pit mine to protect  
9.8 surface and drinking water and prevent harm  
9.9 to homes and residents.

9.10 **(i) Long-Term Nitrate Mitigation by**  
9.11 **Maintaining Profitable Kernza Production**

9.12 \$485,000 the first year is from the trust fund  
9.13 to the commissioner of natural resources for  
9.14 an agreement with the Stearns County Soil  
9.15 and Water Conservation District to evaluate  
9.16 the effectiveness of aging Kernza stands on  
9.17 water quality and to continue to develop a  
9.18 sustainable supply chain with a focus on  
9.19 post-harvest processing of Kernza for water  
9.20 protection and local economies.

9.21 **(j) Antibiotic Resistance and Wastewater**  
9.22 **Treatment: Problems and Solutions**

9.23 \$432,000 the first year is from the trust fund  
9.24 to the commissioner of natural resources for  
9.25 an agreement with the University of St.  
9.26 Thomas to quantify the ability of full-scale  
9.27 wastewater treatment plants to eliminate  
9.28 antibiotic resistance genes entering or created  
9.29 in the water treatment process before these  
9.30 genes are released into the natural  
9.31 environment.

9.32 **Subd. 5. Environmental Education**

2,687,000

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9.33 **(a) Increasing Outdoor Learning for Young**  
9.34 **Minnesotans**

10.1 \$383,000 the first year is from the trust fund  
10.2 to the commissioner of natural resources for  
10.3 an agreement with Wolf Ridge Environmental  
10.4 Learning Center to provide scholarships for  
10.5 equitable access to hands-on learning  
10.6 experiences in the outdoors related to outdoor  
10.7 recreation, air and energy, water, habitat, and  
10.8 fish and wildlife. This appropriation is  
10.9 available until June 30, 2025, by which time  
10.10 the project must be completed and final  
10.11 products delivered.

10.12 **(b) Pollinator Education in the Science**  
10.13 **Classroom**

10.14 \$366,000 the first year is from the trust fund  
10.15 to the Board of Regents of the University of  
10.16 Minnesota to educate approximately 5,000  
10.17 students about pollinator conservation by  
10.18 providing professional development for  
10.19 science teachers to integrate pollinator  
10.20 education curriculum and materials into their  
10.21 classrooms and by evaluating the program to  
10.22 improve its effectiveness.

10.23 **(c) Minnesota Freshwater Quest: Environmental**  
10.24 **Education for Youth**

10.25 \$699,000 the first year is from the trust fund  
10.26 to the commissioner of natural resources for  
10.27 an agreement with Wilderness Inquiry to  
10.28 provide place-based STEM environmental  
10.29 education to approximately 15,000 diverse  
10.30 and underserved Minnesota youth through  
10.31 exploration of local ecosystems and waterways  
10.32 in the Minnesota Freshwater Quest program.

10.33 **(d) Minnesota Master Naturalist: Nature for**  
10.34 **New Minnesotans**

11.1 \$293,000 the first year is from the trust fund  
 11.2 to the Board of Regents of the University of  
 11.3 Minnesota in partnership with  
 11.4 English-language-learning organizations to  
 11.5 adapt and incorporate materials developed for  
 11.6 Minnesota Master Naturalists into  
 11.7 English-language-learning programs to  
 11.8 introduce immigrants and English-language  
 11.9 learners to Minnesota's great outdoors.

11.10 **(e) The Voyageurs Classroom Initiative**

11.11 \$348,000 the first year is from the trust fund  
 11.12 to the commissioner of natural resources for  
 11.13 an agreement with Voyageurs Conservancy  
 11.14 to launch a new initiative to connect  
 11.15 Minnesota youth, young adults, and their  
 11.16 families to Voyageurs National Park by  
 11.17 learning about the park's waters, wildlife, and  
 11.18 forests and by engaging in the park's  
 11.19 preservation.

11.20 **(f) Restoring Land and Reviving Heritage:**  
 11.21 **Conservation Through Indigenous Culture**

11.22 \$420,000 the first year is from the trust fund  
 11.23 to the commissioner of natural resources for  
 11.24 an agreement with Belwin Conservancy in  
 11.25 partnership with Anishinabe Academy to  
 11.26 conduct environmental education  
 11.27 programming that incorporates ecology and  
 11.28 indigenous land traditions and to restore an  
 11.29 ecologically significant area of land using  
 11.30 modern scientific standards and traditional  
 11.31 ecological knowledge.

11.32 **(g) Expanding Access to Environmental**  
 11.33 **Education for Underserved Communities**

11.34 \$178,000 the first year is from the trust fund  
 11.35 to the Board of Regents of the University of

12.1 Minnesota for the Raptor Center to build  
 12.2 environmental literacy and engagement by  
 12.3 delivering an environmental education  
 12.4 program featuring live raptors and  
 12.5 standards-based curriculum to approximately  
 12.6 300 classrooms in underserved communities  
 12.7 throughout Minnesota.

12.8 **Subd. 6. Aquatic and Terrestrial Invasive**  
 12.9 **Species**

6,148,000

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12.10 **(a) Starch Allocation Patterns of Invasive Starry**  
 12.11 **Stonewort Harvested from Lake Koronis**

12.12 \$101,000 the first year is from the trust fund  
 12.13 to the Board of Trustees of the Minnesota  
 12.14 State Colleges and Universities System for  
 12.15 Minnesota State University, Mankato, to  
 12.16 evaluate the starch allocation patterns of the  
 12.17 invasive starry stonewort to identify  
 12.18 weaknesses in the plant's growth that could be  
 12.19 targeted for management.

12.20 **(b) Long-Term Efficacy of Invasive Removal in**  
 12.21 **Floodplain Forests**

12.22 \$25,000 the first year is from the trust fund to  
 12.23 the commissioner of natural resources for an  
 12.24 agreement with Macalester College to begin  
 12.25 a long-term scientific study at the Ordway  
 12.26 Field Station to provide information to land  
 12.27 managers on protecting Minnesota's floodplain  
 12.28 forests from combined threats of overabundant  
 12.29 deer, invasive shrubs, and earthworms. This  
 12.30 appropriation is available until June 30, 2025,  
 12.31 by which time the project must be completed  
 12.32 and final products delivered. A report on the  
 12.33 results of the long-term study must be  
 12.34 submitted at the end of the appropriation and  
 12.35 an update must be submitted five years after

13.1 the appropriation ends or at the study's  
13.2 conclusion, whichever is first.

13.3 **(c) Oak Wilt Suppression at the Northern Edge**  
13.4 **- Phase II**

13.5 \$423,000 the first year is from the trust fund  
13.6 to the commissioner of natural resources for  
13.7 an agreement with the Morrison Soil and  
13.8 Water Conservation District to continue to  
13.9 eradicate the northernmost occurrences of oak  
13.10 wilt in the state through mechanical means on  
13.11 select private properties to prevent oak wilt's  
13.12 spread to healthy state forests.

13.13 **(d) Biocontrol of Invasive Species in Bee Lawns**  
13.14 **and Parklands**

13.15 \$425,000 the first year is from the trust fund  
13.16 to the Board of Regents of the University of  
13.17 Minnesota to establish a biocontrol program  
13.18 to manage the invasive Japanese beetle in a  
13.19 way that reduces insecticide use in bee lawns  
13.20 and pollinator restorations and the associated  
13.21 economic and environmental costs to wildlife  
13.22 and humans.

13.23 **(e) Building Knowledge and Capacity for AIS**  
13.24 **Solutions**

13.25 \$3,750,000 the first year is from the trust fund  
13.26 to the Board of Regents of the University of  
13.27 Minnesota for the Minnesota Aquatic Invasive  
13.28 Species Research Center to conduct  
13.29 high-priority projects aimed at solving  
13.30 Minnesota's aquatic invasive species problems  
13.31 using rigorous science and a collaborative  
13.32 process. Additionally, the appropriation may  
13.33 be spent to deliver research findings to end  
13.34 users through strategic communication and  
13.35 outreach. This appropriation is available until

14.1 June 30, 2025, by which time the project must  
14.2 be completed and final products delivered.

14.3 **(f) Evaluating Minnesota's Last Best Chance to**  
14.4 **Stop Carp**

14.5 \$424,000 the first year is from the trust fund  
14.6 to the Board of Regents of the University of  
14.7 Minnesota, in cooperation with the United  
14.8 States Army Corps of Engineers and the  
14.9 Department of Natural Resources, to evaluate  
14.10 invasive carp passage and the costs, processes,  
14.11 and potential for a state-of-the-art deterrent  
14.12 system installed at Mississippi River Lock and  
14.13 Dam Number 5 to impede passage of invasive  
14.14 carp at this location to protect the upper river.

14.15 **(g) Stop Starry Invasion with Community**  
14.16 **Invasive Species Containment**

14.17 \$1,000,000 the first year is from the trust fund  
14.18 to the commissioner of natural resources for  
14.19 an agreement with Minnesota Lakes and  
14.20 Rivers Advocates to work with civic leaders  
14.21 to purchase, install, and operate waterless  
14.22 cleaning stations for watercraft; conduct  
14.23 aquatic invasive species education; and  
14.24 implement education upgrades at public  
14.25 accesses to prevent invasive starry stonewort  
14.26 spread beyond the 16 lakes already infested.  
14.27 This appropriation is available until June 30,  
14.28 2025, by which time the project must be  
14.29 completed and final products delivered.

14.30 **Subd. 7. Air Quality, Climate Change, and**  
14.31 **Renewable Energy**

6,205,000

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14.32 **(a) Enhanced Thermo-Active Foundations for**  
14.33 **Space Heating in Minnesota**

14.34 \$312,000 the first year is from the trust fund  
14.35 to the Board of Regents of the University of

15.1 Minnesota, Duluth, to design and optimize  
 15.2 cost-competitive thermally enhanced heat  
 15.3 exchanger systems for use in building  
 15.4 foundations to improve energy efficiency and  
 15.5 conservation of natural resources in  
 15.6 Minnesota's cold climate.

15.7 **(b) Storing Renewable Energy in Flow Battery**  
 15.8 **for Grid Use**

15.9 \$2,408,000 the first year is from the trust fund  
 15.10 to the Board of Regents of the University of  
 15.11 Minnesota, Morris, to implement a rural,  
 15.12 community-scale project that demonstrates  
 15.13 how a large flow battery connected to solar  
 15.14 and wind generation improves grid stability  
 15.15 and enhances use of renewable energy.

15.16 **(c) Agrivoltaics to Improve the Environment**  
 15.17 **and Farm Resiliency**

15.18 \$646,000 the first year is from the trust fund  
 15.19 to the Board of Regents of the University of  
 15.20 Minnesota, West Central Research and  
 15.21 Outreach Center, Morris, to model and  
 15.22 evaluate alternative solar energy system  
 15.23 designs to maximize energy production while  
 15.24 providing other benefits to cattle and farmers.

15.25 **(d) Behavioral Response of Bald Eagles to**  
 15.26 **Acoustic Stimuli**

15.27 \$261,000 the first year is from the trust fund  
 15.28 to the Board of Regents of the University of  
 15.29 Minnesota, St. Anthony Falls Laboratory, to  
 15.30 protect wildlife by designing and  
 15.31 implementing an acoustic deterrence protocol  
 15.32 to discourage bald eagles from entering  
 15.33 hazardous air space near wind energy  
 15.34 installations.

16.1 **(e) Create Jobs Statewide by Diverting Materials**  
16.2 **from Landfills**

16.3 \$2,244,000 the first year is from the trust fund  
16.4 to the commissioner of natural resources for  
16.5 agreements with Better Futures Minnesota and  
16.6 the Natural Resources Research Institute to  
16.7 partner with cities, counties, and businesses  
16.8 to create and implement a collection,  
16.9 restoration, reuse, and repurpose program that  
16.10 diverts used household goods and building  
16.11 materials from entering the waste stream and  
16.12 thereby reduces greenhouse gas emissions.  
16.13 Net income generated by Better Futures  
16.14 Minnesota as part of this appropriation may  
16.15 be reinvested in the project if a plan for  
16.16 reinvestment is approved in the work plan.

16.17 **(f) Strengthening Minnesota's Reuse Economy**  
16.18 **to Conserve Natural Resources**

16.19 \$334,000 the first year is from the trust fund  
16.20 to the commissioner of natural resources for  
16.21 an agreement with ReUSE Minnesota to  
16.22 provide outreach and technical assistance to  
16.23 communities and small businesses to increase  
16.24 reuse, rental, and repair of consumer goods as  
16.25 an alternative to using new materials; to reduce  
16.26 solid-waste disposal impacts; and to create  
16.27 more local reuse jobs. A fiscal management  
16.28 and staffing plan must be approved in the work  
16.29 plan before any trust fund dollars are spent.

16.30 **Subd. 8. Methods to Protect, Restore, and**  
16.31 **Enhance Land, Water, and Habitat**

6,429,000

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16.32 **(a) Camp Ripley Sentinel Landscape Forest**  
16.33 **Restoration and Enhancements**

16.34 \$731,000 the first year is from the trust fund  
16.35 to the commissioner of natural resources for  
16.36 an agreement with the Crow Wing Soil and



17.1 Water Conservation District to partner with  
 17.2 the Nature Conservancy and Great River  
 17.3 Greening to develop forest stewardship plans,  
 17.4 restore habitat, and conduct prescribed burns  
 17.5 to advance forest restoration and enhancement  
 17.6 on public and private lands within an  
 17.7 approximate ten-mile radius around Camp  
 17.8 Ripley. Notwithstanding subdivision 13,  
 17.9 paragraph (e), this appropriation may be spent  
 17.10 on forest management plans, fires, and  
 17.11 restoration on lands with a long-term contract  
 17.12 commitment for forest conservation. The  
 17.13 restoration must follow the Board of Water  
 17.14 and Soil Resources' native vegetation  
 17.15 establishment and enhancement guidelines.

17.16 **(b) Restoring Mussels in Streams and Lakes -**  
 17.17 **Continuation**

17.18 \$619,000 the first year is from the trust fund  
 17.19 to the commissioner of natural resources to  
 17.20 restore native freshwater mussel assemblages  
 17.21 and the ecosystem services they provide in the  
 17.22 Mississippi, Cedar, and Cannon Rivers and to  
 17.23 inform the public on mussels and mussel  
 17.24 conservation.

17.25 **(c) Pollinator Central II: Habitat Improvement**  
 17.26 **With Community Monitoring**

17.27 \$631,000 the first year is from the trust fund  
 17.28 to the commissioner of natural resources for  
 17.29 an agreement with Great River Greening to  
 17.30 restore and enhance pollinator habitat in the  
 17.31 metropolitan area to benefit pollinators and  
 17.32 people and to build knowledge of the impact  
 17.33 through community-based monitoring.

17.34 **(d) Preserving Minnesota's Only Ball Cactus**  
 17.35 **Population**

18.1 \$103,000 the first year is from the trust fund  
18.2 to the Board of Regents of the University of  
18.3 Minnesota for the Minnesota Landscape  
18.4 Arboretum to move the only known remaining  
18.5 ball cactus population in the state from private  
18.6 to protected land and to propagate and bank  
18.7 ball cactus seeds for education and  
18.8 preservation.

18.9 **(e) Prescribed-Fire Management for Roadside**  
18.10 **Prairies - Phase II**

18.11 \$217,000 the first year is from the trust fund  
18.12 to the commissioner of transportation to  
18.13 continue to protect biodiversity and enhance  
18.14 pollinator habitat on roadsides by helping to  
18.15 create a self-sufficient prescribed-fire program  
18.16 at the Department of Transportation.

18.17 **(f) Restoring Upland Forests for Birds**

18.18 \$193,000 the first year is from the trust fund  
18.19 to the commissioner of natural resources for  
18.20 an agreement with the American Bird  
18.21 Conservancy to restore deciduous forest in  
18.22 partnership with Aitkin, Beltrami, and Cass  
18.23 Counties using science-based best  
18.24 management practices to rejuvenate  
18.25 noncommercial stands for focal wildlife  
18.26 species.

18.27 **(g) Minnesota Green Schoolyards**

18.28 \$250,000 the first year is from the trust fund  
18.29 to the commissioner of natural resources for  
18.30 an agreement with The Trust for Public Land  
18.31 to assess, promote, and demonstrate how  
18.32 schoolyards can be adapted to improve water,  
18.33 air, and habitat quality and to foster  
18.34 next-generation environmental stewards while

19.1 improving health, education, and community  
19.2 outcomes.

19.3 **(h) Plumbing the Muddy Depths of Superior**  
19.4 **Hiking Trail**

19.5 \$187,000 the first year is from the trust fund  
19.6 to the commissioner of natural resources for  
19.7 an agreement with the Superior Hiking Trail  
19.8 Association to install and implement water  
19.9 management practices to prevent erosion and  
19.10 improve access to the Superior Hiking Trail.

19.11 **(i) Reducing Plastic Pollution with**  
19.12 **Biodegradable Erosion Control Products**

19.13 \$200,000 the first year is from the trust fund  
19.14 to the Agricultural Utilization Research  
19.15 Institute in partnership with the Departments  
19.16 of Transportation, Agriculture, and Natural  
19.17 Resources to demonstrate use of regionally  
19.18 grown industrial hemp to create biodegradable  
19.19 alternatives to plastic-based erosion and  
19.20 sediment control products used in  
19.21 transportation construction projects.

19.22 **(j) Remote Sensing and Super-Resolution**  
19.23 **Imaging of Microplastics**

19.24 \$309,000 the first year is from the trust fund  
19.25 to the Board of Regents of the University of  
19.26 Minnesota, St. Anthony Falls Laboratory, to  
19.27 develop and test remote sensing techniques  
19.28 for cost-effective monitoring of microplastics  
19.29 in lakes, rivers, and streams as well as in  
19.30 wastewater treatment plants. This  
19.31 appropriation is available until June 30, 2025,  
19.32 by which time the project must be completed  
19.33 and final products delivered.

19.34 **(k) Woodcrest Trail Expansion**

20.1 \$16,000 the first year is from the trust fund to  
 20.2 the commissioner of natural resources for an  
 20.3 agreement with Foundation for Health Care  
 20.4 Continuum, doing business as Country Manor  
 20.5 Campus, LLC, to construct a trail for public  
 20.6 recreational use on land owned by the senior  
 20.7 living facility in central Minnesota.

20.8 **(l) Urban Pollinator and Native American**  
 20.9 **Cultural Site Restoration**

20.10 \$213,000 the first year is from the trust fund  
 20.11 to the commissioner of natural resources for  
 20.12 an agreement with Friends of the Mississippi  
 20.13 River to restore three urban natural areas,  
 20.14 including an iconic Native American cultural  
 20.15 site, to native prairie and forest with a focus  
 20.16 on important pollinator and culturally  
 20.17 significant native plants.

20.18 **(m) Demonstrating Real-World Economic and**  
 20.19 **Soil Benefits of Cover Crops and Alternative**  
 20.20 **Tillage**

20.21 \$288,000 the first year is from the trust fund  
 20.22 to the commissioner of natural resources for  
 20.23 an agreement with Redwood County for the  
 20.24 Redwood Soil and Water Conservation District  
 20.25 to increase farmer adoption of conservation  
 20.26 practices by demonstrating soil improvements  
 20.27 and cost savings of cover crops and alternative  
 20.28 tillage compared to conventional practices on  
 20.29 working farms. This appropriation is available  
 20.30 until June 30, 2025, by which time the project  
 20.31 must be completed and final products  
 20.32 delivered.

20.33 **(n) Creating Cost-Effective Forage and**  
 20.34 **Management Actions for Pollinators**

20.35 \$198,000 the first year is from the trust fund  
 20.36 to the Board of Regents of the University of

21.1 Minnesota to evaluate pollinator forage across  
 21.2 time and in response to burning and mowing  
 21.3 and to design an open-access web-based tool  
 21.4 to share these data for land managers across  
 21.5 Minnesota to inform restoration seed mix  
 21.6 selection.

21.7 **(o) Shoreline Stabilization, Fishing, and ADA**  
 21.8 **Improvements at Silverwood Park**

21.9 \$200,000 the first year is from the trust fund  
 21.10 to the commissioner of natural resources for  
 21.11 an agreement with the Three Rivers Park  
 21.12 District to provide water quality improvements  
 21.13 through shoreline stabilization, shoreline  
 21.14 fishing improvements, and shoreline ADA  
 21.15 access on the island in Silver Lake within  
 21.16 Silverwood Park.

21.17 **(p) Lawns to Legumes Program - Phase II**

21.18 \$993,000 the first year is from the trust fund  
 21.19 to the Board of Water and Soil Resources to  
 21.20 provide grants, cost-sharing, and technical  
 21.21 assistance to plant residential lawns,  
 21.22 community parks, and school landscapes with  
 21.23 native vegetation and pollinator-friendly forbs  
 21.24 and legumes to protect a diversity of  
 21.25 pollinators. Notwithstanding subdivision 13,  
 21.26 paragraph (e), this appropriation may be spent  
 21.27 on pollinator plantings on lands with a  
 21.28 long-term commitment from the landowner.

21.29 **(q) Reintroducing Bison to Spring Lake Park**  
 21.30 **Reserve**

21.31 \$560,000 the first year is from the trust fund  
 21.32 to the commissioner of natural resources for  
 21.33 an agreement with Dakota County, in  
 21.34 partnership with the Minnesota Bison  
 21.35 Conservation Herd, to establish the holding

22.1 facilities and infrastructure needed to  
 22.2 reintroduce American plains bison (*Bison*  
 22.3 *bison*) to improve the resiliency and  
 22.4 biodiversity of the prairie at Spring Lake Park  
 22.5 Reserve.

22.6 **(r) Elm Creek Habitat Restoration Final Phase**

22.7 \$521,000 the first year is from the trust fund  
 22.8 to the commissioner of natural resources for  
 22.9 an agreement with the city of Champlin to  
 22.10 conduct habitat and stream restoration in Elm  
 22.11 Creek upstream of Mill Ponds.

22.12 **Subd. 9. Land Acquisition for Habitat and**  
 22.13 **Recreation**

32,062,000

-0-

22.14 **(a) Perham to Pelican Rapids Regional Trail**  
 22.15 **(McDonald Segment)**

22.16 \$2,245,000 the first year is from the trust fund  
 22.17 to the commissioner of natural resources for  
 22.18 an agreement with Otter Tail County to  
 22.19 construct the McDonald Segment of the  
 22.20 Perham to Pelican Rapids Regional Trail to  
 22.21 connect the cities of Perham and Pelican  
 22.22 Rapids to Maplewood State Park.

22.23 **(b) Mesabi Trail CSAH 88 to Ely**

22.24 \$1,650,000 the first year is from the trust fund  
 22.25 to the commissioner of natural resources for  
 22.26 an agreement with the St. Louis and Lake  
 22.27 Counties Regional Railroad Authority to  
 22.28 acquire, engineer, and construct a segment of  
 22.29 the Mesabi Trail beginning at the intersection  
 22.30 of County State-Aid Highway 88 toward Ely.

22.31 **(c) Southwest Minnesota Single-Track Trail**

22.32 \$190,000 the first year is from the trust fund  
 22.33 to the commissioner of natural resources for  
 22.34 an agreement with Jackson County to create

23.1 a single-track mountain bike trail and expand  
 23.2 an associated parking lot in Belmont County  
 23.3 Park to address a lack of opportunity for this  
 23.4 kind of outdoor recreation in southwest  
 23.5 Minnesota.

23.6 **(d) Local Parks, Trails, and Natural Areas**  
 23.7 **Grant Programs**

23.8 \$2,250,000 the first year is from the trust fund  
 23.9 to the commissioner of natural resources to  
 23.10 solicit and rank applications for and fund  
 23.11 competitive matching grants for local parks,  
 23.12 trail connections, and natural and scenic areas  
 23.13 under Minnesota Statutes, section 85.019.  
 23.14 Priority must be given to funding projects in  
 23.15 the metropolitan area or in other areas of  
 23.16 southern Minnesota. For purposes of this  
 23.17 paragraph, southern Minnesota is defined as  
 23.18 the area of the state south of and including St.  
 23.19 Cloud. This appropriation is for local  
 23.20 nature-based recreation, connections to  
 23.21 regional and state natural areas, and recreation  
 23.22 facilities and may not be used for athletic  
 23.23 facilities such as sport fields, courts, and  
 23.24 playgrounds.

23.25 **(e) Metropolitan Regional Parks System Land**  
 23.26 **Acquisition - Phase VII**

23.27 \$2,250,000 the first year is from the trust fund  
 23.28 to the Metropolitan Council for grants to  
 23.29 acquire land within the approved park  
 23.30 boundaries of the metropolitan regional park  
 23.31 system. This appropriation must be matched  
 23.32 by an equal amount from a combination of  
 23.33 Metropolitan Council and local agency funds.

23.34 **(f) Sauk Rapids Lions Park Riverfront**  
 23.35 **Improvements**

24.1 \$463,000 the first year is from the trust fund  
24.2 to the commissioner of natural resources for  
24.3 an agreement with the city of Sauk Rapids to  
24.4 design and construct a second phase of  
24.5 upgrades to Lions and Southside Parks  
24.6 including trails, lighting, riverbank restoration,  
24.7 and a canoe and kayak launch to enhance  
24.8 access to the Mississippi River.

24.9 **(g) City of Brainerd - Mississippi Landing**  
24.10 **Trailhead**

24.11 \$2,850,000 the first year is from the trust fund  
24.12 to the commissioner of natural resources for  
24.13 an agreement with the city of Brainerd to  
24.14 design and construct Mississippi Landing  
24.15 Trailhead Park to help connect residents and  
24.16 visitors to the Mississippi River through  
24.17 recreation, education, and restoration.

24.18 **(h) Native Prairie Stewardship and Prairie Bank**  
24.19 **Easement Acquisition**

24.20 \$1,341,000 the first year is from the trust fund  
24.21 to the commissioner of natural resources to  
24.22 provide technical stewardship assistance to  
24.23 private landowners, restore and enhance native  
24.24 prairie protected by easements in the native  
24.25 prairie bank, and acquire easements for the  
24.26 native prairie bank in accordance with  
24.27 Minnesota Statutes, section 84.96, including  
24.28 preparing initial baseline property assessments.  
24.29 Up to \$60,000 of this appropriation may be  
24.30 deposited in the natural resources conservation  
24.31 easement stewardship account created in  
24.32 Minnesota Statutes, section 84.69, proportional  
24.33 to the number of easement acres acquired.

24.34 **(i) Moose Lake - Trunk Highway 73 Trail**



25.1 \$330,000 the first year is from the trust fund  
25.2 to the commissioner of natural resources for  
25.3 an agreement with the city of Moose Lake to  
25.4 design and construct a nonmotorized  
25.5 recreational trail in an off-street pedestrian  
25.6 corridor along Highway 73 to connect to  
25.7 several existing regional trails in the Moose  
25.8 Lake area.

25.9 **(j) SNA Acquisition, Restoration,**  
25.10 **Citizen-Science, and Outreach**

25.11 \$3,336,000 the first year is from the trust fund  
25.12 to the commissioner of natural resources for  
25.13 the scientific and natural areas (SNA) program  
25.14 to restore, improve, and enhance wildlife  
25.15 habitat on SNAs; increase public involvement  
25.16 and outreach; and strategically acquire lands  
25.17 that meet criteria for SNAs under Minnesota  
25.18 Statutes, section 86A.05, from willing sellers.

25.19 **(k) Precision Acquisition for Restoration,**  
25.20 **Groundwater Recharge, and Habitat**

25.21 \$467,000 the first year is from the trust fund  
25.22 to the commissioner of natural resources for  
25.23 an agreement with the Shell Rock River  
25.24 Watershed District to acquire and restore to  
25.25 wetland a key parcel of land to reduce  
25.26 downstream flooding while providing water  
25.27 storage, groundwater recharge, nutrient  
25.28 reduction, and pollinator and wildlife habitat.

25.29 **(l) Lake Brophy Single-Track Trail Expansion**

25.30 \$100,000 the first year is from the trust fund  
25.31 to the commissioner of natural resources for  
25.32 an agreement with Douglas County in  
25.33 partnership with the Big Ole Bike Club to  
25.34 design and build new expert single-track  
25.35 segments and an asphalt pump track for the

26.1 existing trail system at Lake Brophy Park to  
 26.2 improve outdoor recreation experiences in  
 26.3 west-central Minnesota.

26.4 **(m) Veterans on the Lake**

26.5 \$553,000 the first year is from the trust fund  
 26.6 to the commissioner of natural resources for  
 26.7 an agreement with Lake County for Veterans  
 26.8 on the Lake to conduct accessibility upgrades  
 26.9 to Veterans on the Lake's existing trails,  
 26.10 roadway, and buildings to improve access to  
 26.11 the wilderness and outdoor recreation for  
 26.12 disabled American veterans.

26.13 **(n) Crane Lake Voyageurs National Park Visitor**  
 26.14 **Center - Continuation**

26.15 \$2,700,000 the first year is from the trust fund  
 26.16 to the commissioner of natural resources for  
 26.17 an agreement with the city of Crane Lake to  
 26.18 design and construct an approximate 4,500 to  
 26.19 7,000 square-foot visitor center building to  
 26.20 serve as an access point to Voyageurs National  
 26.21 Park. A fiscal agent or fiscal management plan  
 26.22 must be approved in the work plan before any  
 26.23 trust fund money is spent. A copy of a  
 26.24 resolution or other documentation of the city's  
 26.25 commitment to fund operations of the visitor  
 26.26 center must be included in the work plan  
 26.27 submitted to the Legislative-Citizen  
 26.28 Commission on Minnesota Resources.

26.29 **(o) Brookston Campground, Boat Launch, and**  
 26.30 **Outdoor Recreational Facility Planning**

26.31 \$425,000 the first year is from the trust fund  
 26.32 to the commissioner of natural resources for  
 26.33 an agreement with the city of Brookston to  
 26.34 design a campground, boat launch, and  
 26.35 outdoor recreation area on the banks of the St.

27.1 Louis River in northeastern Minnesota. A  
27.2 fiscal agent must be approved in the work plan  
27.3 before any trust fund dollars are spent.

27.4 **(p) Moose and Seven Beaver Multiuse Trails**  
27.5 **Upgrade**

27.6 \$900,000 the first year is from the trust fund  
27.7 to the commissioner of natural resources for  
27.8 an agreement with the city of Hoyt Lakes, in  
27.9 partnership with the Ranger Snowmobile and  
27.10 ATV Club, to design and construct upgrades  
27.11 and extensions to the Moose and Seven Beaver  
27.12 multiuse trails to enhance access for recreation  
27.13 use and connect to regional trails.

27.14 **(q) Above the Falls Regional Park Acquisition**

27.15 \$950,000 the first year is from the trust fund  
27.16 to the commissioner of natural resources for  
27.17 an agreement with the Minneapolis Parks and  
27.18 Recreation Board to develop a restoration plan  
27.19 and acquire approximately 3.25 acres of  
27.20 industrial land for public access and habitat  
27.21 connectivity along the Mississippi River as  
27.22 part of Above the Falls Regional Park.

27.23 **(r) Silver Lake Trail Improvement Project**

27.24 \$1,071,000 the first year is from the trust fund  
27.25 to the commissioner of natural resources for  
27.26 an agreement with the city of Virginia to  
27.27 reconstruct and renovate the walking trail  
27.28 around Silver Lake to allow safe multimodal  
27.29 transportation between schools, parks,  
27.30 community recreation facilities, and other  
27.31 community activity centers in downtown  
27.32 Virginia.

27.33 **(s) Minnesota State Trails Development**

28.1 \$4,266,000 the first year is from the trust fund  
28.2 to the commissioner of natural resources to  
28.3 expand recreational opportunities on  
28.4 Minnesota state trails by rehabilitating and  
28.5 enhancing existing state trails and replacing  
28.6 or repairing existing state trail bridges. Priority  
28.7 must be given to funding projects in the  
28.8 metropolitan area or in other areas of southern  
28.9 Minnesota. For purposes of this paragraph,  
28.10 southern Minnesota is defined as the area of  
28.11 the state south of and including St. Cloud.

28.12 **(t) Highbanks Ravine Bat Hibernaculum Project**

28.13 \$825,000 the first year is from the trust fund  
28.14 to the commissioner of natural resources for  
28.15 an agreement with the city of St. Cloud to  
28.16 reroute and upgrade an existing stormwater  
28.17 system in the Highbanks Ravine area to  
28.18 improve an existing bat hibernaculum, reduce  
28.19 erosion, and create additional green space for  
28.20 wildlife habitat.

28.21 **(u) State Parks and State Trails Inholdings**

28.22 \$2,560,000 the first year is from the trust fund  
28.23 to the commissioner of natural resources to  
28.24 acquire high-priority inholdings from willing  
28.25 sellers within the legislatively authorized  
28.26 boundaries of state parks, recreation areas, and  
28.27 trails to protect Minnesota's natural heritage,  
28.28 enhance outdoor recreation, and improve the  
28.29 efficiency of public land management.

28.30 **(v) Accessible Fishing Piers and Shore Fishing**  
28.31 **Areas**

28.32 \$340,000 the first year is from the trust fund  
28.33 to the commissioner of natural resources to  
28.34 provide accessible fishing piers and develop  
28.35 shore fishing sites to serve new angling

29.1 communities, underserved populations, and  
 29.2 anglers with disabilities.

29.3 **Subd. 10. Administrative and Emerging Issues** 2,120,000 -0-

29.4 **(a) Contract Agreement Reimbursement**

29.5 \$135,000 the first year is from the trust fund  
 29.6 to the commissioner of natural resources, at  
 29.7 the direction of the Legislative-Citizen  
 29.8 Commission on Minnesota Resources, for  
 29.9 expenses incurred in preparing and  
 29.10 administering contracts for the agreements  
 29.11 specified in this section. The commissioner  
 29.12 must provide documentation to the  
 29.13 Legislative-Citizen Commission on Minnesota  
 29.14 Resources on the expenditure of these funds.

29.15 **(b) Legislative-Citizen Commission on**  
 29.16 **Minnesota Resources (LCCMR) Administration**

29.17 \$1,750,000 the first year is from the trust fund  
 29.18 to the Legislative-Citizen Commission on  
 29.19 Minnesota Resources for administration in  
 29.20 fiscal years 2022 and 2023 as provided in  
 29.21 Minnesota Statutes, section 116P.09,  
 29.22 subdivision 5. This appropriation is available  
 29.23 until June 30, 2023. Notwithstanding  
 29.24 Minnesota Statutes, section 116P.11,  
 29.25 paragraph (b), Minnesota Statutes, section  
 29.26 16A.281, applies to this appropriation.

29.27 **(c) Emerging Issues Account**

29.28 \$233,000 the first year is from the trust fund  
 29.29 to an emerging issues account authorized in  
 29.30 Minnesota Statutes, section 116P.08,  
 29.31 subdivision 4, paragraph (d).

29.32 **(d) Legislative Coordinating Commission (LCC)**  
 29.33 **Administration**

30.1 \$2,000 the first year is from the trust fund to  
30.2 the Legislative Coordinating Commission for  
30.3 the website required in Minnesota Statutes,  
30.4 section 3.303, subdivision 10.

30.5 **Subd. 11. Availability of Appropriations**

30.6 Money appropriated in this section may not  
30.7 be spent on activities unless they are directly  
30.8 related to and necessary for a specific  
30.9 appropriation and are specified in the work  
30.10 plan approved by the Legislative-Citizen  
30.11 Commission on Minnesota Resources. Money  
30.12 appropriated in this section must not be spent  
30.13 on indirect costs or other institutional overhead  
30.14 charges that are not directly related to and  
30.15 necessary for a specific appropriation. Costs  
30.16 that are directly related to and necessary for  
30.17 an appropriation, including financial services,  
30.18 human resources, information services, rent,  
30.19 and utilities, are eligible only if the costs can  
30.20 be clearly justified and individually  
30.21 documented specific to the appropriation's  
30.22 purpose and would not be generated by the  
30.23 recipient but for receipt of the appropriation.  
30.24 No broad allocations for costs in either dollars  
30.25 or percentages are allowed. Unless otherwise  
30.26 provided, the amounts in this section are  
30.27 available until June 30, 2024, when projects  
30.28 must be completed and final products  
30.29 delivered. For acquisition of real property, the  
30.30 appropriations in this section are available for  
30.31 an additional fiscal year if a binding contract  
30.32 for acquisition of the real property is entered  
30.33 into before the expiration date of the  
30.34 appropriation. If a project receives a federal

- 31.1 grant, the period of the appropriation is  
31.2 extended to equal the federal grant period.
- 31.3 **Subd. 12. Data Availability Requirements**
- 31.4 Data collected by the projects funded under  
31.5 this section must conform to guidelines and  
31.6 standards adopted by Minnesota IT Services.  
31.7 Spatial data must also conform to additional  
31.8 guidelines and standards designed to support  
31.9 data coordination and distribution that have  
31.10 been published by the Minnesota Geospatial  
31.11 Information Office. Descriptions of spatial  
31.12 data must be prepared as specified in the state's  
31.13 geographic metadata guideline and must be  
31.14 submitted to the Minnesota Geospatial  
31.15 Information Office. All data must be  
31.16 accessible and free to the public unless made  
31.17 private under the Data Practices Act,  
31.18 Minnesota Statutes, chapter 13. To the extent  
31.19 practicable, summary data and results of  
31.20 projects funded under this section should be  
31.21 readily accessible on the Internet and  
31.22 identified as having received funding from the  
31.23 environment and natural resources trust fund.
- 31.24 **Subd. 13. Project Requirements**
- 31.25 (a) As a condition of accepting an  
31.26 appropriation under this section, an agency or  
31.27 entity receiving an appropriation or a party to  
31.28 an agreement from an appropriation must  
31.29 comply with paragraphs (b) to (l) and  
31.30 Minnesota Statutes, chapter 116P, and must  
31.31 submit a work plan and annual or semiannual  
31.32 progress reports in the form determined by the  
31.33 Legislative-Citizen Commission on Minnesota  
31.34 Resources for any project funded in whole or  
31.35 in part with funds from the appropriation.

32.1 Modifications to the approved work plan and  
32.2 budget expenditures must be made through  
32.3 the amendment process established by the  
32.4 Legislative-Citizen Commission on Minnesota  
32.5 Resources.

32.6 (b) A recipient of money appropriated in this  
32.7 section that conducts a restoration using funds  
32.8 appropriated in this section must use native  
32.9 plant species according to the Board of Water  
32.10 and Soil Resources' native vegetation  
32.11 establishment and enhancement guidelines  
32.12 and include an appropriate diversity of native  
32.13 species selected to provide habitat for  
32.14 pollinators throughout the growing season as  
32.15 required under Minnesota Statutes, section  
32.16 84.973.

32.17 (c) For all restorations conducted with money  
32.18 appropriated under this section, a recipient  
32.19 must prepare an ecological restoration and  
32.20 management plan that, to the degree  
32.21 practicable, is consistent with the  
32.22 highest-quality conservation and ecological  
32.23 goals for the restoration site. Consideration  
32.24 should be given to soil, geology, topography,  
32.25 and other relevant factors that would provide  
32.26 the best chance for long-term success and  
32.27 durability of the restoration project. The plan  
32.28 must include the proposed timetable for  
32.29 implementing the restoration, including site  
32.30 preparation, establishment of diverse plant  
32.31 species, maintenance, and additional  
32.32 enhancement to establish the restoration;  
32.33 identify long-term maintenance and  
32.34 management needs of the restoration and how  
32.35 the maintenance, management, and



- 33.1 enhancement will be financed; and take  
33.2 advantage of the best-available science and  
33.3 include innovative techniques to achieve the  
33.4 best restoration.
- 33.5 (d) An entity receiving an appropriation in this  
33.6 section for restoration activities must provide  
33.7 an initial restoration evaluation at the  
33.8 completion of the appropriation and an  
33.9 evaluation three years after the completion of  
33.10 the expenditure. Restorations must be  
33.11 evaluated relative to the stated goals and  
33.12 standards in the restoration plan, current  
33.13 science, and, when applicable, the Board of  
33.14 Water and Soil Resources' native vegetation  
33.15 establishment and enhancement guidelines.  
33.16 The evaluation must determine whether the  
33.17 restorations are meeting planned goals,  
33.18 identify any problems with implementing the  
33.19 restorations, and, if necessary, give  
33.20 recommendations on improving restorations.  
33.21 The evaluation must be focused on improving  
33.22 future restorations.
- 33.23 (e) All restoration and enhancement projects  
33.24 funded with money appropriated in this section  
33.25 must be on land permanently protected by a  
33.26 conservation easement or public ownership.
- 33.27 (f) A recipient of money from an appropriation  
33.28 under this section must give consideration to  
33.29 contracting with Conservation Corps  
33.30 Minnesota for contract restoration and  
33.31 enhancement services.
- 33.32 (g) All conservation easements acquired with  
33.33 money appropriated under this section must:
- 33.34 (1) be permanent;

- 34.1 (2) specify the parties to an easement in the  
34.2 easement;
- 34.3 (3) specify all provisions of an agreement that  
34.4 are permanent;
- 34.5 (4) be sent to the Legislative-Citizen  
34.6 Commission on Minnesota Resources in an  
34.7 electronic format at least ten business days  
34.8 before closing;
- 34.9 (5) include a long-term monitoring and  
34.10 enforcement plan and funding for monitoring  
34.11 and enforcing the easement agreement; and
- 34.12 (6) include requirements in the easement  
34.13 document to protect the quantity and quality  
34.14 of groundwater and surface water through  
34.15 specific activities such as keeping water on  
34.16 the landscape, reducing nutrient and  
34.17 contaminant loading, and not permitting  
34.18 artificial hydrological modifications.
- 34.19 (h) For any acquisition of lands or interest in  
34.20 lands, a recipient of money appropriated under  
34.21 this section must not agree to pay more than  
34.22 100 percent of the appraised value for a parcel  
34.23 of land using this money to complete the  
34.24 purchase, in part or in whole, except that up  
34.25 to ten percent above the appraised value may  
34.26 be allowed to complete the purchase, in part  
34.27 or in whole, using this money if permission is  
34.28 received in advance of the purchase from the  
34.29 Legislative-Citizen Commission on Minnesota  
34.30 Resources.
- 34.31 (i) For any acquisition of land or interest in  
34.32 land, a recipient of money appropriated under  
34.33 this section must give priority to high-quality

35.1 natural resources or conservation lands that  
35.2 provide natural buffers to water resources.

35.3 (j) For new lands acquired with money  
35.4 appropriated under this section, a recipient  
35.5 must prepare an ecological restoration and  
35.6 management plan in compliance with  
35.7 paragraph (c), including sufficient funding for  
35.8 implementation unless the work plan addresses  
35.9 why a portion of the money is not necessary  
35.10 to achieve a high-quality restoration.

35.11 (k) To ensure public accountability for using  
35.12 public funds, a recipient of money  
35.13 appropriated under this section must, within  
35.14 60 days of the transaction, provide to the  
35.15 Legislative-Citizen Commission on Minnesota  
35.16 Resources documentation of the selection  
35.17 process used to identify parcels acquired and  
35.18 provide documentation of all related  
35.19 transaction costs, including but not limited to  
35.20 appraisals, legal fees, recording fees,  
35.21 commissions, other similar costs, and  
35.22 donations. This information must be provided  
35.23 for all parties involved in the transaction. The  
35.24 recipient must also report to the  
35.25 Legislative-Citizen Commission on Minnesota  
35.26 Resources any difference between the  
35.27 acquisition amount paid to the seller and the  
35.28 state-certified or state-reviewed appraisal, if  
35.29 a state-certified or state-reviewed appraisal  
35.30 was conducted.

35.31 (l) A recipient of an appropriation from the  
35.32 trust fund under this section must acknowledge  
35.33 financial support from the environment and  
35.34 natural resources trust fund in project  
35.35 publications, signage, and other public

36.1 communications and outreach related to work  
36.2 completed using the appropriation.  
36.3 Acknowledgment may occur, as appropriate,  
36.4 through use of the trust fund logo or inclusion  
36.5 of language attributing support from the trust  
36.6 fund. Each direct recipient of money  
36.7 appropriated in this section, as well as each  
36.8 recipient of a grant awarded pursuant to this  
36.9 section, must satisfy all reporting and other  
36.10 requirements incumbent upon constitutionally  
36.11 dedicated funding recipients as provided in  
36.12 Minnesota Statutes, section 3.303, subdivision  
36.13 10, and chapter 116P.

36.14 **Subd. 14. Payment Conditions and**  
36.15 **Capital-Equipment Expenditures**

36.16 (a) All agreements, grants, or contracts  
36.17 referred to in this section must be administered  
36.18 on a reimbursement basis unless otherwise  
36.19 provided in this section. Notwithstanding  
36.20 Minnesota Statutes, section 16A.41,  
36.21 expenditures made on or after July 1, 2021,  
36.22 or the date the work plan is approved,  
36.23 whichever is later, are eligible for  
36.24 reimbursement unless otherwise provided in  
36.25 this section. Periodic payments must be made  
36.26 upon receiving documentation that the  
36.27 deliverable items articulated in the approved  
36.28 work plan have been achieved, including  
36.29 partial achievements as evidenced by approved  
36.30 progress reports. Reasonable amounts may be  
36.31 advanced to projects to accommodate  
36.32 cash-flow needs or match federal money. The  
36.33 advances must be approved as part of the work  
36.34 plan. No expenditures for capital equipment  
36.35 are allowed unless expressly authorized in the  
36.36 project work plan.

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

37.3 **Subd. 15. Purchasing Recycled and Recyclable**  
37.4 **Materials**

37.5 A political subdivision, public or private  
37.6 corporation, or other entity that receives an  
37.7 appropriation under this section must use the  
37.8 appropriation in compliance with Minnesota  
37.9 Statutes, section 16C.0725, regarding  
37.10 purchasing recycled, repairable, and durable  
37.11 materials and Minnesota Statutes, section  
37.12 16C.073, regarding purchasing and using  
37.13 paper stock and printing.

37.14 **Subd. 16. Energy Conservation and Sustainable**  
37.15 **Building Guidelines**

37.16 A recipient to whom an appropriation is made  
37.17 under this section for a capital improvement  
37.18 project must ensure that the project complies  
37.19 with the applicable energy conservation and  
37.20 sustainable building guidelines and standards  
37.21 contained in law, including Minnesota  
37.22 Statutes, sections 16B.325, 216C.19, and  
37.23 216C.20, and rules adopted under those  
37.24 sections. The recipient may use the energy  
37.25 planning, advocacy, and State Energy Office  
37.26 units of the Department of Commerce to  
37.27 obtain information and technical assistance  
37.28 on energy conservation and alternative-energy  
37.29 development relating to planning and  
37.30 constructing the capital improvement project.

37.31 **Subd. 17. Accessibility**

37.32 Structural and nonstructural facilities must  
37.33 meet the design standards in the Americans  
37.34 with Disabilities Act (ADA) accessibility  
37.35 guidelines.

38.1 **Subd. 18. Carryforward; Extension**

38.2 (a) Notwithstanding Minnesota Statutes,  
38.3 section 16A.28, or any other law to the  
38.4 contrary, the availability of any appropriation  
38.5 or grant of money from the environment and  
38.6 natural resources trust fund that would  
38.7 otherwise cancel, lapse, or expire on June 30,  
38.8 2021, is extended to June 30, 2022, if the  
38.9 recipient or grantee does both of the following:

38.10 (1) by April 30, 2021, notifies the  
38.11 Legislative-Citizen Commission on Minnesota  
38.12 Resources in the manner specified by the  
38.13 commission that the recipient or grantee  
38.14 intends to avail itself of the extension available  
38.15 under this section; and

38.16 (2) modifies the applicable work plan where  
38.17 required by Minnesota Statutes, section  
38.18 116P.05, subdivision 2, in accordance with  
38.19 the work plan amendment procedures adopted  
38.20 under that section.

38.21 (b) The commission must notify the  
38.22 commissioner of management and budget and  
38.23 the commissioner of natural resources of any  
38.24 extension granted under this section.

38.25 **EFFECTIVE DATE.** Subdivision 18 is effective the day following final enactment.