

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

**S.F. No. 4036**

(SENATE AUTHORS: WESTROM and Ingebrigtsen)

DATE  
03/16/2022

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Introduction and first reading  
Referred to Environment and Natural Resources Finance  
See HF3765

OFFICIAL STATUS

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. Any unencumbered balance remaining in the first year does  
1.13 not cancel and is available for the second year or until the end of the appropriation. These  
1.14 are onetime appropriations.

1.15		<b><u>APPROPRIATIONS</u></b>	
1.16		<b><u>Available for the Year</u></b>	
1.17		<b><u>Ending June 30</u></b>	
1.18		<b><u>2022</u></b>	<b><u>2023</u></b>

1.19 Sec. 2. MINNESOTA RESOURCES

1.20 Subdivision 1. Total Appropriation                    \$                    -0- \$                    70,959,000

1.21 This appropriation is from the environment  
1.22 and natural resources trust fund. The amounts  
1.23 that may be spent for each purpose are  
1.24 specified in the following subdivisions.

2.1 **Subd. 2. Definition**

2.2 "Trust fund" means the Minnesota  
2.3 environment and natural resources trust fund  
2.4 established under the Minnesota Constitution,  
2.5 article XI, section 14.

2.6 **Subd. 3. Foundational Natural Resource Data**  
2.7 **and Information**

-0-

9,727,000

2.8 **(a) Efficacy of Urban Archery Hunting to**  
2.9 **Manage Deer**

2.10 \$201,000 the second year is from the trust  
2.11 fund to the Board of Trustees of the Minnesota  
2.12 State Colleges and Universities for Bemidji  
2.13 State University to conduct an analysis of deer  
2.14 survival, habitat use, and hunter data in the  
2.15 city of Bemidji to improve special archery  
2.16 hunt management practices in urban areas of  
2.17 the state.

2.18 **(b) Improving Golden-Winged Warbler**  
2.19 **Conservation and Habitat Restoration**

2.20 \$197,000 the second year is from the trust  
2.21 fund to the Board of Regents of the University  
2.22 of Minnesota for the Natural Resources  
2.23 Research Institute in Duluth to develop  
2.24 restoration and habitat management guidelines  
2.25 for protecting the imperiled golden-winged  
2.26 warbler by assessing habitat use and behavior  
2.27 of this species.

2.28 **(c) Enhancing Natural Resource Conservation**  
2.29 **Through Species Distribution Modeling**

2.30 \$200,000 the second year is from the trust  
2.31 fund to the commissioner of natural resources  
2.32 to create distribution models for rare species  
2.33 in Minnesota to provide new tools for natural  
2.34 areas conservation.

3.1 **(d) Modernizing Minnesota's Digital Lake**  
3.2 **Inventory**

3.3 \$535,000 the second year is from the trust  
3.4 fund to the commissioner of natural resources  
3.5 to conduct a comprehensive update of  
3.6 Minnesota's lake and pond GIS data to  
3.7 enhance lake conservation planning by state  
3.8 and local partners while also creating  
3.9 efficiencies for ongoing data maintenance.

3.10 **(e) Strategic Framework to Guide Local Water**  
3.11 **Storage Implementation**

3.12 \$200,000 the second year is from the trust  
3.13 fund to the Board of Water and Soil Resources  
3.14 to create a framework for prioritizing water  
3.15 storage projects throughout the state. The  
3.16 framework will use existing data and local  
3.17 stakeholder input, be scalable, and will  
3.18 emphasize projects that provide multiple  
3.19 benefits, including for water quality, flood  
3.20 control, and habitat.

3.21 **(f) How Do Prescribed Fires Affect Native**  
3.22 **Prairie Bees?**

3.23 \$278,000 the second year is from the trust  
3.24 fund to the commissioner of natural resources  
3.25 for an agreement with Negaunee Institute for  
3.26 Plant Conservation Science and Action at the  
3.27 Chicago Horticultural Society to investigate  
3.28 how prescribed fire in Minnesota's tallgrass  
3.29 prairies affects the nesting habitat, food  
3.30 resources, and diversity of ground-nesting  
3.31 bees.

3.32 **(g) Status of Minnesota Blueberries and Related**  
3.33 **Berry Species**

3.34 \$191,000 the second year is from the trust  
3.35 fund to the Board of Regents of the University

4.1 of Minnesota, Duluth, to assess how land  
4.2 management practices impact the genetic  
4.3 health and reproduction of several native  
4.4 edible blueberry and related berry species of  
4.5 Minnesota. This appropriation is available  
4.6 until June 30, 2026, by which time the project  
4.7 must be completed and final products  
4.8 delivered.

4.9 **(h) Distribution and Movements of Fishers in**  
4.10 **Southern Minnesota**

4.11 \$212,000 the second year is from the trust  
4.12 fund to the Board of Regents of the University  
4.13 of Minnesota for the Natural Resources  
4.14 Research Institute in Duluth to determine the  
4.15 distribution, status, and habitat use of fishers  
4.16 in southern Minnesota to inform fisher  
4.17 management.

4.18 **(i) Offal Wildlife Watching: How Do Hunters'**  
4.19 **Provisions Impact Scavengers?**

4.20 \$372,000 the second year is from the trust  
4.21 fund to the Board of Regents of the University  
4.22 of Minnesota to recruit hunters statewide and  
4.23 use remote cameras at field-dressed deer gut  
4.24 piles to study the impacts of these offal  
4.25 resources on scavengers and other wildlife.

4.26 **(j) Land-Use and Climate Impacts on**  
4.27 **Minnesota's Whitewater River**

4.28 \$199,000 the second year is from the trust  
4.29 fund to the Board of Regents of the University  
4.30 of Minnesota for the St. Anthony Falls  
4.31 Laboratory to augment, digitize, and  
4.32 disseminate unique and historic topographical  
4.33 survey data showing changes in the  
4.34 Whitewater River valley to inform future land  
4.35 and water management.

5.1 **(k) Protecting Minnesota's Spruce-Fir Forests**  
5.2 **from Tree-Killing Budworm**

5.3 \$189,000 the second year is from the trust  
5.4 fund to the Board of Regents of the University  
5.5 of Minnesota to evaluate conditions  
5.6 contributing to Minnesota's uniquely high  
5.7 population of the native and lethal spruce  
5.8 budworm to provide better management  
5.9 options for protecting the state's spruce-balsam  
5.10 fir forests.

5.11 **(l) Restoration of Eastern Hemlock, Minnesota's**  
5.12 **Endangered Tree Species**

5.13 \$199,000 the second year is from the trust  
5.14 fund to the Board of Regents of the University  
5.15 of Minnesota to develop guidelines for  
5.16 restoring eastern hemlock, Minnesota's only  
5.17 endangered tree species, by testing methods  
5.18 and seed sources at different sites across  
5.19 northern Minnesota.

5.20 **(m) Maximizing Lowland Conifer Ecosystem**  
5.21 **Services - Phase 2**

5.22 \$315,000 the second year is from the trust  
5.23 fund to the Board of Regents of the University  
5.24 of Minnesota to continue monitoring forested  
5.25 peatland hydrology and wildlife, conduct new  
5.26 wildlife and habitat surveys, and quantify  
5.27 carbon storage to assess trade-offs in  
5.28 management decisions.

5.29 **(n) Establishing a Center for Prion Research**  
5.30 **and Outreach**

5.31 \$3,528,000 the second year is from the trust  
5.32 fund to the Board of Regents of the University  
5.33 of Minnesota to form a multidisciplinary  
5.34 center to perform coordinated research on the  
5.35 detection, prevention, and treatment of chronic

6.1 wasting and other prion diseases threatening  
6.2 wildlife across Minnesota. Money  
6.3 appropriated in this paragraph may also be  
6.4 spent on a strategic plan, capital equipment,  
6.5 and staff as approved in the work plan required  
6.6 under Minnesota Statutes, section 116P.05.  
6.7 Money appropriated in this paragraph may not  
6.8 be spent on activities unless they are directly  
6.9 related to and necessary for the purposes of  
6.10 this paragraph. Money appropriated in this  
6.11 paragraph must not be spent on indirect costs  
6.12 or other institutional overhead charges that are  
6.13 not directly related to and necessary for the  
6.14 purposes of this paragraph. This appropriation  
6.15 is subject to Minnesota Statutes, section  
6.16 116P.10. This is a onetime appropriation and  
6.17 is available until June 30, 2026.

6.18 **(o) Native Plant Community Data in Duluth**

6.19 \$198,000 the second year is from the trust  
6.20 fund to the commissioner of natural resources  
6.21 for an agreement with Minnesota Land Trust  
6.22 to develop field-verified native plant  
6.23 community data and maps for the city of  
6.24 Duluth to support conservation and restoration  
6.25 activities in the city and the St. Louis River  
6.26 estuary.

6.27 **(p) Neonicotinoid Impacts on Minnesota Deer**  
6.28 **and Prairie Chickens**

6.29 \$700,000 the second year is from the trust  
6.30 fund to the commissioner of natural resources  
6.31 to examine impacts of neonicotinoid exposure  
6.32 on the reproduction and survival of  
6.33 Minnesota's game species, including deer and  
6.34 prairie chicken. This appropriation is available  
6.35 until June 30, 2026, by which time the project

7.1 must be completed and final products  
7.2 delivered.

7.3 **(q) Expanding the Minnesota Ecological**  
7.4 **Monitoring Network**

7.5 \$472,000 the second year is from the trust  
7.6 fund to the commissioner of natural resources  
7.7 to expand the Ecological Monitoring Network  
7.8 to inform the conservation and management  
7.9 of Minnesota's native forests, wetlands, and  
7.10 prairies.

7.11 **(r) Minnesota Biodiversity Atlas - Phase 3**

7.12 \$356,000 the second year is from the trust  
7.13 fund to the Board of Regents of the University  
7.14 of Minnesota for the Bell Museum of Natural  
7.15 History to expand the Minnesota Biodiversity  
7.16 Atlas to include more than 2,000,000  
7.17 Minnesota wildlife, plants, and fungi records  
7.18 and images from multiple organizations. This  
7.19 appropriation is available until June 30, 2026,  
7.20 by which time the project must be completed  
7.21 and final products delivered.

7.22 **(s) Sweetening the Crop: Perennial Flax for**  
7.23 **Ecosystem Benefits**

7.24 \$490,000 the second year is from the trust  
7.25 fund to the Board of Regents of the University  
7.26 of Minnesota to produce, select, and evaluate  
7.27 how perennial flax provides pollinator and  
7.28 other ecosystem services while enhancing  
7.29 yield for oilseed, fiber, and honey production.

7.30 **(t) Beavers, Trees, and Climate - Increasing**  
7.31 **Floodplain Forest Resilience**

7.32 \$297,000 the second year is from the trust  
7.33 fund to the commissioner of natural resources  
7.34 for an agreement with the National Park  
7.35 Service, Mississippi National River and

8.1 Recreation Area, to identify solutions for  
 8.2 saving floodplain wildlife habitat from beaver  
 8.3 herbivory, changes in climate, and emerald  
 8.4 ash borer.

8.5 **(u) What's Causing Declines in Black Bear**  
 8.6 **Reproduction**

8.7 \$398,000 the second year is from the trust  
 8.8 fund to the commissioner of natural resources  
 8.9 to examine why bear reproduction has  
 8.10 declined in central and northwestern  
 8.11 Minnesota using citizen science to collect  
 8.12 samples from hunters to assess reproduction,  
 8.13 health, and exposure to disease and pesticides.  
 8.14 This appropriation is available until December  
 8.15 31, 2025.

8.16 **Subd. 4. Water Resources** -0- 5,757,000

8.17 **(a) Scaling a Market-Driven Water-Quality**  
 8.18 **Solution for Row-Crop Farming**

8.19 \$476,000 the second year is from the trust  
 8.20 fund to the Board of Regents of the University  
 8.21 of Minnesota to work with farmers to  
 8.22 accelerate adoption of grain-camelina rotations  
 8.23 in targeted watersheds as a scalable and  
 8.24 market-driven way to enhance stewardship of  
 8.25 soil, water, and wildlife.

8.26 **(b) Methods to Destroy PFAS in Landfill**  
 8.27 **Leachates**

8.28 \$200,000 the second year is from the trust  
 8.29 fund to the Board of Regents of the University  
 8.30 of Minnesota to develop and examine methods  
 8.31 for destruction of per- and polyfluoroalkyl  
 8.32 substances (PFAS) in landfill leachate. This  
 8.33 appropriation is subject to Minnesota Statutes,  
 8.34 section 116P.10.



9.1 **(c) High Temperature Anaerobic Digestion of**  
9.2 **Sewage Sludge**

9.3 \$208,000 the second year is from the trust  
9.4 fund to the Board of Regents of the University  
9.5 of Minnesota to demonstrate that high  
9.6 temperature anaerobic digestion is effective  
9.7 at treating sewage sludge and preventing  
9.8 disease-causing microorganisms and antibiotic  
9.9 resistance genes from being released into the  
9.10 environment.

9.11 **(d) Evaluating Locally Sourced Biochar for**  
9.12 **Restoring Impaired Water Bodies**

9.13 \$200,000 the second year is from the trust  
9.14 fund to the commissioner of the Pollution  
9.15 Control Agency to evaluate locally produced  
9.16 biochar as a method for remediating  
9.17 moderate-level contamination in aquatic  
9.18 habitats. This appropriation is available until  
9.19 June 30, 2026, by which time the project must  
9.20 be completed and final products delivered.

9.21 **(e) Mitigating Cyanobacterial Blooms and**  
9.22 **Toxins Using Clay-Algae Flocculation**

9.23 \$264,000 the second year is from the trust  
9.24 fund to the Board of Regents of the University  
9.25 of Minnesota for St. Anthony Falls Laboratory  
9.26 to develop and test a clay-algae flocculation  
9.27 method to mitigate cyanobacterial blooms that  
9.28 can contaminate drinking water and cause  
9.29 mass fish mortality. This appropriation is  
9.30 subject to Minnesota Statutes, section 116P.10.

9.31 **(f) Changing Winters and Game Fish in**  
9.32 **Minnesota Lakes**

9.33 \$200,000 the second year is from the trust  
9.34 fund to the Board of Regents of the University  
9.35 of Minnesota for the Large Lakes Observatory

10.1 in Duluth to determine how changing winter  
10.2 conditions such as ice cover, snowfall patterns,  
10.3 and water quality affect Minnesota's game fish  
10.4 populations.

10.5 **(g) Rainy River Drivers of Lake of the Woods**  
10.6 **Algal Blooms**

10.7 \$526,000 the second year is from the trust  
10.8 fund to the commissioner of natural resources  
10.9 for an agreement with the United States  
10.10 Geological Survey, Upper Midwest Water  
10.11 Science Center, to guide the reduction of  
10.12 phosphorus inputs to Lake of the Woods by  
10.13 examining sources, mobility, and storage of  
10.14 sediment-bound phosphorus in the Rainy  
10.15 River. This appropriation is available until  
10.16 June 30, 2026, by which time the project must  
10.17 be completed and final products delivered.

10.18 **(h) Water and Climate Information to Enhance**  
10.19 **Community Resilience**

10.20 \$355,000 the second year is from the trust  
10.21 fund to the Board of Regents of the University  
10.22 of Minnesota to provide information on  
10.23 potential future water resources to  
10.24 communities and individuals to guide  
10.25 adaptation planning.

10.26 **(i) Catch and Reveal: Discovering Unknown**  
10.27 **Fish Contamination Threats**

10.28 \$201,000 the second year is from the trust  
10.29 fund to the Board of Regents of the University  
10.30 of Minnesota for the Natural Resources  
10.31 Research Institute in Duluth to identify  
10.32 contaminants present in Minnesota water  
10.33 bodies using passive sampling and  
10.34 discovery-based chemical analysis and rank  
10.35 the contaminants' potential threat to

11.1 Minnesota's fisheries. This appropriation is  
11.2 available until June 30, 2026, by which time  
11.3 the project must be completed and final  
11.4 products delivered.

11.5 **(j) Leveraging Data Analytics Innovations for**  
11.6 **Watershed District Planning**

11.7 \$483,000 the second year is from the trust  
11.8 fund to the commissioner of natural resources  
11.9 for an agreement with Minnehaha Creek  
11.10 Watershed District to develop a reproducible  
11.11 and automated data processing system and a  
11.12 watershed model that integrates local and  
11.13 statewide datasets into a quantitative tool for  
11.14 evaluating projects to improve water quality,  
11.15 ecological integrity, and flood prevention.  
11.16 Minnehaha Creek Watershed District may  
11.17 license third parties to use products developed  
11.18 with this appropriation without further  
11.19 approval from the legislature or the  
11.20 Legislative-Citizen Commission on Minnesota  
11.21 Resources, provided the licensing does not  
11.22 generate income. This appropriation is subject  
11.23 to Minnesota Statutes, section 116P.10.

11.24 **(k) Increased Intense Rain and Flooding in**  
11.25 **Minnesota's Watersheds**

11.26 \$192,000 the second year is from the trust  
11.27 fund to the Science Museum of Minnesota for  
11.28 the St. Croix Watershed Research Station to  
11.29 partner with local communities to determine  
11.30 the causes of increased flooding and the most  
11.31 cost-effective solutions for reducing flood risk  
11.32 in the Cottonwood River watershed and other  
11.33 agricultural watersheds in southern Minnesota.

11.34 **(l) Removing CECs from Stormwater with**  
11.35 **Biofiltration**

12.1 \$439,000 the second year is from the trust  
 12.2 fund to the Board of Regents of the University  
 12.3 of Minnesota for the St. Anthony Falls  
 12.4 Laboratory to optimize designs for removing  
 12.5 contaminants of emerging concern (CECs)  
 12.6 from stormwater runoff with biofiltration and  
 12.7 to develop guidance on biofiltration use for  
 12.8 Minnesota stormwater managers.

12.9 **(m) Is the Tire Chemical 6PPDq Killing**  
 12.10 **Minnesota's Fish?**

12.11 \$354,000 the second year is from the trust  
 12.12 fund to the Board of Regents of the University  
 12.13 of Minnesota to optimize detection methods,  
 12.14 determine environmental occurrence, and  
 12.15 evaluate risk to Minnesota's fish populations  
 12.16 of the toxic tire-derived chemical 6PPDq.

12.17 **(n) Mitigation Strategies for Agroplastic PFAS**  
 12.18 **and Microplastic Contamination**

12.19 \$169,000 the second year is from the trust  
 12.20 fund to the Board of Regents of the University  
 12.21 of Minnesota for the West Central Research  
 12.22 and Outreach Center, Morris, to study plastic  
 12.23 use in the agricultural supply chain and to  
 12.24 research and communicate strategies to reduce  
 12.25 impacts of this plastic use, including water  
 12.26 and land contamination from microplastics,  
 12.27 PFAS, and related compounds.

12.28 **(o) Innovative Technology for PFAS Destruction**  
 12.29 **in Drinking Water**

12.30 \$350,000 the second year is from the trust  
 12.31 fund to the Board of Regents of the University  
 12.32 of Minnesota for the Southern Research and  
 12.33 Outreach Center to develop and demonstrate  
 12.34 a treatment process based on continuous  
 12.35 liquid-phase plasma discharge technology to

13.1 destroy per- and polyfluoroalkyl substances  
 13.2 (PFAS) in drinking water. This appropriation  
 13.3 is subject to Minnesota Statutes, section  
 13.4 116P.10.

13.5 **(p) Salt Threatens Minnesota Water Quality**  
 13.6 **and Fisheries**

13.7 \$774,000 the second year is from the trust  
 13.8 fund to the Science Museum of Minnesota for  
 13.9 the St. Croix Watershed Research Station to  
 13.10 determine chloride tipping points that lead to  
 13.11 water-quality and food-web degradations,  
 13.12 measure how and when lakes are salinized,  
 13.13 identify lake and food-web resilience to  
 13.14 chloride, and test impacts of deicing  
 13.15 alternatives.

13.16 **(q) PFAS Contaminant Mitigation Using Hybrid**  
 13.17 **Engineered Wetlands**

13.18 \$366,000 the second year is from the trust  
 13.19 fund to the commissioner of natural resources  
 13.20 for an agreement with St. Louis County to  
 13.21 design, implement, and evaluate an innovative  
 13.22 method for protecting water resources through  
 13.23 mitigation of per- and polyfluoroalkyl  
 13.24 substances (PFAS) from landfill leachate using  
 13.25 engineered wetland treatment systems.

13.26 **Subd. 5. Environmental Education** -0- 4,326,000

13.27 **(a) Teacher Field School: Stewardship through**  
 13.28 **Nature-Based Education**

13.29 \$310,000 the second year is from the trust  
 13.30 fund to the commissioner of natural resources  
 13.31 for an agreement with Hamline University to  
 13.32 create an immersive, research-backed field  
 13.33 school for teachers to use nature-based  
 13.34 education to benefit student well-being and

- 14.1 academic outcomes while increasing  
 14.2 stewardship habits.
- 14.3 **(b) Increasing K-12 Student Learning to Develop**  
 14.4 **Environmental Awareness, Appreciation, and**  
 14.5 **Interest**
- 14.6 \$1,368,000 the second year is from the trust  
 14.7 fund to the commissioner of natural resources  
 14.8 for an agreement with Osprey Wilds  
 14.9 Environmental Learning Center to partner with  
 14.10 Minnesota's five other accredited residential  
 14.11 environmental learning centers to provide  
 14.12 needs-based scholarships to at least 25,000  
 14.13 K-12 students statewide for immersive  
 14.14 multiday environmental learning experiences.
- 14.15 **(c) Expanding Access to Wildlife Learning Bird**  
 14.16 **by Bird**
- 14.17 \$200,000 the second year is from the trust  
 14.18 fund to the commissioner of natural resources  
 14.19 to engage young people from diverse  
 14.20 communities in wildlife conservation through  
 14.21 bird-watching in schools, outdoor leadership  
 14.22 training, and participating in neighborhood  
 14.23 bird walks.
- 14.24 **(d) Engaging a Diverse Public in Environmental**  
 14.25 **Stewardship**
- 14.26 \$200,000 the second year is from the trust  
 14.27 fund to the commissioner of natural resources  
 14.28 for an agreement with Great River Greening  
 14.29 to increase participation in natural resources  
 14.30 restoration efforts through volunteer,  
 14.31 internship, and youth engagement activities  
 14.32 that target diverse audiences more accurately  
 14.33 reflecting local demographic and  
 14.34 socioeconomic conditions in Minnesota.
- 14.35 **(e) LCCMR Stories: Sharing Minnesota's**  
 14.36 **Biggest Environmental Investment**

15.1 \$411,000 the second year is from the trust  
15.2 fund to the Science Museum of Minnesota to  
15.3 enhance public education about the results of  
15.4 Legislative-Citizen Commission on Minnesota  
15.5 Resources-recommended research, including  
15.6 through a free online interactive map, in-depth  
15.7 videos, and public events.

15.8 **(f) Bugs Below Zero: Engaging Citizens in**  
15.9 **Winter Research**

15.10 \$198,000 the second year is from the trust  
15.11 fund to the Board of Regents of the University  
15.12 of Minnesota to raise awareness about the  
15.13 winter life of bugs, inspire learning about  
15.14 stream food webs, and engage citizen scientists  
15.15 in research and environmental stewardship.

15.16 **(g) ESTEP: Earth Science Teacher Education**  
15.17 **Project**

15.18 \$317,000 the second year is from the trust  
15.19 fund to the commissioner of natural resources  
15.20 for an agreement with the Minnesota Science  
15.21 Teachers Association to provide professional  
15.22 development for Minnesota science teachers  
15.23 in environmental and earth science to  
15.24 strengthen environmental education in schools.

15.25 **(h) YES! Students Take Action to Complete Eco**  
15.26 **Projects**

15.27 \$199,000 the second year is from the trust  
15.28 fund to the commissioner of natural resources  
15.29 for an agreement with Prairie Woods  
15.30 Environmental Learning Center, in partnership  
15.31 with Ney Nature Center and Laurentian  
15.32 Environmental Center, to empower Minnesota  
15.33 youth to connect with natural resource experts,  
15.34 identify ecological challenges, and take action

16.1 to complete innovative projects in their  
16.2 communities.

16.3 **(i) North Shore Private Forestry Outreach,**  
16.4 **Education, and Implementation**

16.5 \$221,000 the second year is from the trust  
16.6 fund to the commissioner of natural resources  
16.7 for an agreement with Sugarloaf: The North  
16.8 Shore Stewardship Association to conduct  
16.9 outreach to private landowners about forestry  
16.10 incentive programs and provide tree-planting  
16.11 and site plans to restore the ecological health  
16.12 of Minnesota's North Shore forest landscape.

16.13 **(j) Strengthening Watershed Stewardship**  
16.14 **through Outdoor Youth Education**

16.15 \$200,000 the second year is from the trust  
16.16 fund to the commissioner of natural resources  
16.17 for an agreement with Minnesota Trout  
16.18 Unlimited to engage students in classroom and  
16.19 outdoor hands-on learning focused on water  
16.20 quality, groundwater, aquatic life, and  
16.21 watershed stewardship and provide youth and  
16.22 their families with fishing experiences to  
16.23 further foster a conservation ethic.

16.24 **(k) Increasing Diversity in Environmental**  
16.25 **Careers**

16.26 \$182,000 the second year is from the trust  
16.27 fund to the commissioner of natural resources,  
16.28 in cooperation with Conservation Corps  
16.29 Minnesota and Iowa, to encourage a diversity  
16.30 of students to pursue careers in the  
16.31 environment and natural resources through  
16.32 internships, mentorships, and fellowships with  
16.33 the Department of Natural Resources, the  
16.34 Board of Water and Soil Resources, and the  
16.35 Pollution Control Agency.



17.1 **(l) Partnering for Pollinator Protection**  
 17.2 \$123,000 the second year is from the trust  
 17.3 fund to the commissioner of natural resources  
 17.4 for an agreement with Monarch Joint Venture  
 17.5 to organize a multisector consortium to  
 17.6 develop a state pollinator conservation plan  
 17.7 that includes habitat goals and research  
 17.8 priorities and to serve as coordinator of  
 17.9 statewide pollinator conservation efforts.

17.10 **(m) BioBlitzes to Engage Communities in**  
 17.11 **Scientific Efforts**  
 17.12 \$198,000 the second year is from the trust  
 17.13 fund to the commissioner of natural resources  
 17.14 for an agreement with the Minneapolis Park  
 17.15 and Recreation Board to work with allies and  
 17.16 volunteers to collect baseline biodiversity data  
 17.17 for neighborhood and regional parks to inspire  
 17.18 stewardship and inform habitat restoration  
 17.19 work.

17.20 **(n) Diversity and Access to Wildlife-Related**  
 17.21 **Opportunities**  
 17.22 \$199,000 the second year is from the trust  
 17.23 fund to the Board of Regents of the University  
 17.24 of Minnesota to broaden the state's  
 17.25 conservation constituency by researching  
 17.26 diverse communities' values about nature and  
 17.27 wildlife experiences and identifying barriers  
 17.28 to engagement.

17.29 **Subd. 6. Aquatic and Terrestrial Invasive**  
 17.30 **Species** -0- 4,674,000

17.31 **(a) Minnesota Invasive Terrestrial Plants and**  
 17.32 **Pests Center**  
 17.33 \$4,500,000 the second year is from the trust  
 17.34 fund to the Board of Regents of the University  
 17.35 of Minnesota to support the Minnesota

18.1 Invasive Terrestrial Plants and Pests Center  
 18.2 to fund high-priority research projects to better  
 18.3 manage invasive plants, pathogens, and pests  
 18.4 on Minnesota's natural and agricultural lands.  
 18.5 This appropriation is subject to Minnesota  
 18.6 Statutes, section 116P.10. This appropriation  
 18.7 is available until June 30, 2027, by which time  
 18.8 the project must be completed and final  
 18.9 products delivered.

18.10 **(b) Purple Loosestrife Biocontrol Citizen Science**  
 18.11 **Program**

18.12 \$174,000 the second year is from the trust  
 18.13 fund to the commissioner of natural resources  
 18.14 for an agreement with the Wild Rivers  
 18.15 Conservancy to protect and restore native  
 18.16 ecosystems by identifying purple loosestrife  
 18.17 in priority management areas and engaging,  
 18.18 educating, and empowering citizens to use an  
 18.19 approved purple loosestrife biocontrol in  
 18.20 Minnesota's St. Croix River watershed.

18.21	<b><u>Subd. 7. Air Quality and Renewable Energy</u></b>	<u>-0-</u>	<u>1,754,000</u>
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18.22 **(a) Using Minnesota Timber to Mitigate Landfill**  
 18.23 **Methane Emissions**

18.24 \$753,000 the second year is from the trust  
 18.25 fund to the Board of Regents of the University  
 18.26 of Minnesota for the Natural Resources  
 18.27 Research Institute in Duluth to design,  
 18.28 develop, and test biochar-based landfill covers  
 18.29 to reduce methane emissions in Minnesota  
 18.30 through natural biological processes. This  
 18.31 appropriation is subject to Minnesota Statutes,  
 18.32 section 116P.10.

18.33 **(b) How Do Lakes Influence Minnesota's Carbon**  
 18.34 **Budget?**

19.1 \$279,000 the second year is from the trust  
 19.2 fund to the Board of Regents of the University  
 19.3 of Minnesota to measure and model the release  
 19.4 of carbon dioxide, methane, and nitrous oxide  
 19.5 from Minnesota lakes and wetlands to guide  
 19.6 resource management decisions.

19.7 **(c) Green Solar Cells from a Minnesota Natural**  
 19.8 **Resource**

19.9 \$552,000 the second year is from the trust  
 19.10 fund to the Board of Regents of the University  
 19.11 of Minnesota to develop an efficient, low cost,  
 19.12 and nontoxic pyrite solar cell and conduct a  
 19.13 feasibility study for using Iron Range  
 19.14 resources to manufacture this product. This  
 19.15 appropriation is subject to Minnesota Statutes,  
 19.16 section 116P.10.

19.17 **(d) Morris GHG Emissions Inventory and**  
 19.18 **Mitigation Strategies**

19.19 \$170,000 the second year is from the trust  
 19.20 fund to the commissioner of natural resources  
 19.21 for an agreement with the city of Morris to  
 19.22 conserve natural resources by conducting a  
 19.23 greenhouse gas (GHG) emissions inventory  
 19.24 of city and county operations as part of the  
 19.25 Morris Model partnership, implementing  
 19.26 policy to achieve targeted reductions, and  
 19.27 disseminating findings. This appropriation is  
 19.28 available until June 30, 2026, by which time  
 19.29 the project must be completed and final  
 19.30 products delivered.

19.31 **Subd. 8. Methods to Protect, Restore, and**  
 19.32 **Enhance Land, Water, and Habitat**

-0-

14,987,000

19.33 **(a) Minnesota's Volunteer Rare Plant**  
 19.34 **Conservation Corps**

20.1 \$515,000 the second year is from the trust  
20.2 fund to the Board of Regents of the University  
20.3 of Minnesota for the Minnesota Landscape  
20.4 Arboretum to partner with the Department of  
20.5 Natural Resources and the Minnesota Native  
20.6 Plant Society to establish and train a volunteer  
20.7 corps to survey, monitor, and bank seed from  
20.8 Minnesota's rare plant populations and  
20.9 enhance the effectiveness and efficiencies of  
20.10 conservation efforts.

20.11 **(b) Conservation Corps Veterans Service Corps**  
20.12 **Program**

20.13 \$1,339,000 the second year is from the trust  
20.14 fund to the commissioner of natural resources  
20.15 for an agreement with Conservation Corps  
20.16 Minnesota to create a Veterans Service Corps  
20.17 program to accelerate natural resource  
20.18 restorations in Minnesota while providing  
20.19 workforce development opportunities for the  
20.20 state's veterans.

20.21 **(c) Conservation Cooperative for Working**  
20.22 **Lands**

20.23 \$1,500,000 the second year is from the trust  
20.24 fund to the commissioner of natural resources  
20.25 for an agreement with Pheasants Forever Inc.  
20.26 to increase adoption of voluntary conservation  
20.27 practices on working lands in Minnesota by  
20.28 hiring personnel to provide technical  
20.29 assistance to farmers and landowners while  
20.30 also attracting federal matching funds.

20.31 **(d) Pollinator Habitat Pilot Project at Closed**  
20.32 **Landfills**

20.33 \$853,000 the second year is from the trust  
20.34 fund to the commissioner of the Pollution  
20.35 Control Agency to conduct a pilot project to

21.1 create pollinator habitat at closed landfill sites  
21.2 in the closed landfill program. This  
21.3 appropriation is available until June 30, 2026,  
21.4 by which time the project must be completed  
21.5 and final products delivered.

21.6 **(e) Creating Seed Sources of Early-Blooming**  
21.7 **Plants for Pollinators**

21.8 \$200,000 the second year is from the trust  
21.9 fund to the commissioner of natural resources  
21.10 to establish new populations of early-season  
21.11 flowers by hand-harvesting and propagating  
21.12 species that are currently lacking in prairie  
21.13 restorations and that are essential to pollinator  
21.14 health. This appropriation is available until  
21.15 June 30, 2026, by which time the project must  
21.16 be completed and final products delivered.

21.17 **(f) Root River Habitat Restoration Project**

21.18 \$537,000 the second year is from the trust  
21.19 fund to the commissioner of natural resources  
21.20 for an agreement with Eagle Bluff  
21.21 Environmental Learning Center to restore  
21.22 flood-damaged Root River stream bank and  
21.23 instream habitat and incorporate monitoring  
21.24 into the center's curriculum to evaluate the  
21.25 restoration's success.

21.26 **(g) Hastings Lake Rebecca Park Area**

21.27 \$1,200,000 the second year is from the trust  
21.28 fund to the commissioner of natural resources  
21.29 for an agreement with the city of Hastings to  
21.30 develop an ecological-based master plan for  
21.31 Lake Rebecca Park and to enhance habitat  
21.32 quality and construct passive recreational  
21.33 facilities consistent with the master plan. No  
21.34 funds for implementation may be spent until  
21.35 the master plan is complete.

22.1 **(h) Connecting the Mississippi Flyway to Urban**  
 22.2 **Open Space**

22.3 \$175,000 the second year is from the trust  
 22.4 fund to the commissioner of natural resources  
 22.5 for an agreement with the Minneapolis Parks  
 22.6 and Recreation Board to conduct a pilot  
 22.7 project to enhance and restore habitat in and  
 22.8 between neighborhood parks and the  
 22.9 Mississippi Flyway to increase habitat  
 22.10 connectivity.

22.11 **(i) River Habitat Restoration and Recreation in**  
 22.12 **Melrose**

22.13 \$575,000 the second year is from the trust  
 22.14 fund to the commissioner of natural resources  
 22.15 for an agreement with the city of Melrose to  
 22.16 conduct habitat restoration and create fishing,  
 22.17 canoeing, and camping opportunities along a  
 22.18 segment of the Sauk River within the city of  
 22.19 Melrose and to provide public education about  
 22.20 stream restoration, fish habitat, and the  
 22.21 importance of natural areas.

22.22 **(j) Restoring Forests and Savannas Using**  
 22.23 **Silvopasture - Phase 2**

22.24 \$414,000 the second year is from the trust  
 22.25 fund to the commissioner of natural resources  
 22.26 for an agreement with Great River Greening  
 22.27 to continue to partner with the University of  
 22.28 Minnesota and the Sustainable Farming  
 22.29 Association to demonstrate, evaluate, and  
 22.30 increase adoption of the combined use of  
 22.31 intensive tree, forage, and livestock  
 22.32 management as a method to restore threatened  
 22.33 oak savanna habitats.

22.34 **(k) Minnesota Green Schoolyards**

23.1 \$631,000 the second year is from the trust  
 23.2 fund to the commissioner of natural resources  
 23.3 for an agreement with The Trust for Public  
 23.4 Land to renovate schoolyards to be student-  
 23.5 and community-designed park-like spaces that  
 23.6 provide water, air, and habitat benefits and  
 23.7 foster new generations of stewards. This  
 23.8 appropriation is also to develop and support  
 23.9 an action plan for a statewide green  
 23.10 schoolyards program.

23.11 **(l) Pollinator Plantings and the Redistribution**  
 23.12 **of Soil Toxins**

23.13 \$384,000 the second year is from the trust  
 23.14 fund to the Board of Regents of the University  
 23.15 of Minnesota to map urban and suburban soil  
 23.16 toxins of concern, such as heavy metals and  
 23.17 microplastics, and to test whether pollinator  
 23.18 plantings can redistribute these toxins in the  
 23.19 soil of yards, parks, and community gardens  
 23.20 and reduce exposure to humans and wildlife.

23.21 **(m) Mitigating the Effects of Visitor Use**  
 23.22 **Patterns**

23.23 \$310,000 the second year is from the trust  
 23.24 fund to the commissioner of natural resources  
 23.25 for an agreement with the Superior Hiking  
 23.26 Trail Association to rehabilitate and renew  
 23.27 Superior Hiking Trail campsites, trailheads,  
 23.28 and trail segments for a more resilient future  
 23.29 amid unprecedented use.

23.30 **(n) PFAS Fungal-Wood Chip Filtering System**

23.31 \$189,000 the second year is from the trust  
 23.32 fund to the Board of Regents of the University  
 23.33 of Minnesota to identify, develop, and  
 23.34 field-test various types of waste wood chips  
 23.35 and fungi to sequester and degrade PFAS

24.1 leachate from contaminated waste sites. This  
24.2 appropriation is subject to Minnesota Statutes,  
24.3 section 116P.10.

24.4 **(o) Phytoremediation for Extracting Deicing**  
24.5 **Salt**

24.6 \$365,000 the second year is from the trust  
24.7 fund to the Board of Regents of the University  
24.8 of Minnesota to protect lands and waters from  
24.9 contamination by collaborating with the  
24.10 Department of Transportation to develop  
24.11 methods for using native plants to remediate  
24.12 roadside deicing salt.

24.13 **(p) Mustinka River Fish and Wildlife Habitat**  
24.14 **Corridor Rehabilitation**

24.15 \$2,692,000 the second year is from the trust  
24.16 fund to the commissioner of natural resources  
24.17 for an agreement with the Bois de Sioux  
24.18 Watershed District to permanently rehabilitate  
24.19 a straightened reach of the Mustinka River to  
24.20 a naturally functioning stream channel and  
24.21 floodplain corridor for water, fish, and wildlife  
24.22 benefits.

24.23 **(q) Bohemian Flats Savanna Restoration**

24.24 \$200,000 the second year is from the trust  
24.25 fund to the commissioner of natural resources  
24.26 for an agreement with Minneapolis Park and  
24.27 Recreation Board to restore an area of  
24.28 compacted urban turf within Bohemian Flats  
24.29 Park and adjacent to the Mississippi River to  
24.30 an oak savanna ecosystem.

24.31 **(r) Watershed and Forest Restoration: What a**  
24.32 **Match!**

24.33 \$2,908,000 the second year is from the trust  
24.34 fund to the Board of Water and Soil  
24.35 Resources, in cooperation with soil and water



25.1 conservation districts, the Mille Lacs Band of  
 25.2 Ojibwe, and the Department of Natural  
 25.3 Resources, to accelerate tree planting on  
 25.4 privately owned, protected lands for  
 25.5 water-quality protection and carbon  
 25.6 sequestration.

25.7 **Subd. 9. Land Acquisition, Habitat, and**  
 25.8 **Recreation**

-0-

29,140,000

25.9 **(a) Mesabi Trail: Wahlsten Road (CR 26) to**  
 25.10 **Tower**

25.11 \$1,307,000 the second year is from the trust  
 25.12 fund to the commissioner of natural resources  
 25.13 for an agreement with the St. Louis and Lake  
 25.14 Counties Regional Railroad Authority to  
 25.15 acquire, engineer, and construct a segment of  
 25.16 the Mesabi Trail beginning at the intersection  
 25.17 of Wahlsten Road (CR 26) and Benson Road  
 25.18 in Embarrass and extending to Tower.

25.19 **(b) The Missing Link: Gull Lake Trail, Fairview**  
 25.20 **Township**

25.21 \$1,394,000 the second year is from the trust  
 25.22 fund to the commissioner of natural resources  
 25.23 for an agreement with Fairview Township to  
 25.24 complete the Gull Lake Trail by engineering  
 25.25 and constructing the trail's final segment  
 25.26 through Fairview Township in the Brainerd  
 25.27 Lakes area.

25.28 **(c) Pierz Park and Campground Expansion**  
 25.29 **Project**

25.30 \$200,000 the second year is from the trust  
 25.31 fund to the commissioner of natural resources  
 25.32 for an agreement with the city of Pierz to  
 25.33 purchase land adjacent to a city-owned park  
 25.34 and campground for conservation and  
 25.35 recreational uses and to create a master plan

26.1 for the park and campground to serve regional  
26.2 natural resource and recreational needs.

26.3 **(d) Redhead Mountain Bike Park**

26.4 \$1,285,000 the second year is from the trust  
26.5 fund to the commissioner of natural resources  
26.6 for an agreement with the Minnesota  
26.7 Discovery Center to enhance outdoor  
26.8 recreational opportunities by adding trails and  
26.9 recreational amenities to the Redhead  
26.10 Mountain Bike Park in Chisholm.

26.11 **(e) Environmental Learning Classroom with**  
26.12 **Trails**

26.13 \$82,000 the second year is from the trust fund  
26.14 to the commissioner of natural resources for  
26.15 an agreement with Mountain Iron-Buhl Public  
26.16 Schools to build an outdoor classroom  
26.17 pavilion, accessible trails, and a footbridge  
26.18 within the Mountain Iron-Buhl School Forest  
26.19 to conduct environmental education that  
26.20 cultivates a lasting conservation ethic.

26.21 **(f) Local Parks, Trails, and Natural Areas Grant**  
26.22 **Programs**

26.23 \$3,400,000 the second year is from the trust  
26.24 fund to the commissioner of natural resources  
26.25 to solicit, rank, and fund competitive matching  
26.26 grants for local parks, trail connections, and  
26.27 natural and scenic areas under Minnesota  
26.28 Statutes, section 85.019. This appropriation is  
26.29 for local nature-based recreation, connections  
26.30 to regional and state natural areas, and  
26.31 recreation facilities and may not be used for  
26.32 athletic facilities such as sport fields, courts,  
26.33 and playgrounds.

26.34 **(g) St. Louis River Re-Connect**

27.1 \$1,200,000 the second year is from the trust  
27.2 fund to the commissioner of natural resources  
27.3 for an agreement with the city of Duluth to  
27.4 expand recreational access along the St. Louis  
27.5 River and estuary by implementing the St.  
27.6 Louis River National Water Trail outreach  
27.7 plan, designing and constructing upgrades and  
27.8 extensions to the Waabizheshikana Trail, and  
27.9 installing interpretive features that describe  
27.10 the cultural and ecological significance of the  
27.11 area.

27.12 **(h) Native Prairie Stewardship and Prairie Bank**  
27.13 **Easement Acquisition**

27.14 \$942,000 the second year is from the trust  
27.15 fund to the commissioner of natural resources  
27.16 to provide technical stewardship assistance to  
27.17 private landowners, restore and enhance native  
27.18 prairie protected by easements in the native  
27.19 prairie bank, and acquire easements for the  
27.20 native prairie bank in accordance with  
27.21 Minnesota Statutes, section 84.96, including  
27.22 preparing initial baseline property assessments.  
27.23 Up to \$..... of this appropriation may be  
27.24 deposited in the natural resources conservation  
27.25 easement stewardship account created under  
27.26 Minnesota Statutes, section 84.69, proportional  
27.27 to the number of easements acquired.

27.28 **(i) Minnesota State Parks and State Trails**  
27.29 **Acquisitions**

27.30 \$3,230,000 the second year is from the trust  
27.31 fund to the commissioner of natural resources  
27.32 to acquire high-priority inholdings from  
27.33 willing sellers within the legislatively  
27.34 authorized boundaries of state parks,  
27.35 recreation areas, and trails to protect  
27.36 Minnesota's natural heritage, enhance outdoor

28.1 recreation, and improve the efficiency of  
28.2 public land management.

28.3 **(j) Silver Bay Multimodal Trailhead Project**

28.4 \$1,650,000 the second year is from the trust  
28.5 fund to the commissioner of natural resources  
28.6 for an agreement with the city of Silver Bay  
28.7 to develop a multimodal trailhead center to  
28.8 provide safe access to the Superior,  
28.9 Gitchi-Gami, and C.J. Ramstad/North Shore  
28.10 trails; Black Beach Park; and other  
28.11 recreational destinations.

28.12 **(k) Minnesota State Trails Development**

28.13 \$6,022,000 the second year is from the trust  
28.14 fund to the commissioner of natural resources  
28.15 to expand recreational opportunities on  
28.16 Minnesota state trails by rehabilitating and  
28.17 enhancing existing state trails and replacing  
28.18 or repairing existing state trail bridges.

28.19 **(l) Brookston Campground, Boat Launch, and**  
28.20 **Outdoor Recreational Facility**

28.21 \$453,000 the second year is from the trust  
28.22 fund to the commissioner of natural resources  
28.23 for an agreement with the city of Brookston  
28.24 to build a campground, boat launch, and  
28.25 outdoor recreation area on the banks of the St.  
28.26 Louis River in northeastern Minnesota. Before  
28.27 any trust fund dollars are spent, the city must  
28.28 demonstrate that all funds to complete the  
28.29 project are secured and a fiscal agent must be  
28.30 approved in the work plan.

28.31 **(m) Silver Lake Trail Connection**

28.32 \$727,000 the second year is from the trust  
28.33 fund to the commissioner of natural resources  
28.34 for an agreement with the city of Virginia to

29.1 design, engineer, and construct a multiuse trail  
 29.2 that will connect Silver Lake Trail to a new  
 29.3 Miners Entertainment and Convention Center  
 29.4 and provide lighting on Bailey Lake Trail.

29.5 **(n) Preserving the Avon Hills with**  
 29.6 **Reverse-Bidding Easements**

29.7 \$1,604,000 the second year is from the trust  
 29.8 fund to the commissioner of natural resources  
 29.9 for an agreement with Saint John's University,  
 29.10 in cooperation with Minnesota Land Trust, to  
 29.11 use a reverse-bid ranking system to  
 29.12 permanently protect, restore, and enhance  
 29.13 habitat in the Avon Hills area of Stearns  
 29.14 County. Of this amount, up to \$..... is for use  
 29.15 by Minnesota Land Trust in a monitoring fund  
 29.16 as approved in the work plan and subject to  
 29.17 Minnesota Statutes, section 116P.20. An  
 29.18 annual financial report is required for any  
 29.19 monitoring, management, and enforcement  
 29.20 fund, including expenditures from the fund.  
 29.21 A proposed list of acquisitions and restorations  
 29.22 must be provided in the work plan. This  
 29.23 appropriation is available until June 30, 2027,  
 29.24 by which time the project must be completed  
 29.25 and final products delivered.

29.26 **(o) Floodwood Campground Improvement**  
 29.27 **Project**

29.28 \$816,000 the second year is from the trust  
 29.29 fund to the commissioner of natural resources  
 29.30 for an agreement with the city of Floodwood  
 29.31 to upgrade the Floodwood Campground and  
 29.32 connecting trails to provide high-quality nature  
 29.33 and recreation experience for people of all  
 29.34 ages.

29.35 **(p) SNA Habitat Restoration, Public**  
 29.36 **Engagement, and Protection**

30.1 \$2,022,000 the second year is from the trust  
30.2 fund to the commissioner of natural resources  
30.3 for the scientific and natural areas (SNA)  
30.4 program to restore and enhance exceptional  
30.5 habitat on SNAs; increase public involvement  
30.6 and outreach; and strategically acquire lands  
30.7 that meet criteria for SNAs under Minnesota  
30.8 Statutes, section 86A.05, from willing sellers.

30.9 **(q) Ranier Safe Harbor/Transient Dock - Phase**  
30.10 **2**

30.11 \$1,113,000 the second year is from the trust  
30.12 fund to the commissioner of natural resources  
30.13 for an agreement with the city of Ranier to  
30.14 construct a safe harbor and transient dock to  
30.15 accommodate watercraft of many sizes to  
30.16 improve public access for boat recreation on  
30.17 Rainy Lake. Before trust fund dollars are  
30.18 spent, a fiscal agent must be approved in the  
30.19 work plan. Before any trust fund dollars are  
30.20 spent, the city must demonstrate that all funds  
30.21 to complete the project are secured. Any  
30.22 revenue generated from selling products or  
30.23 assets developed or acquired with this  
30.24 appropriation must be repaid to the trust fund  
30.25 unless a plan is approved for reinvestment of  
30.26 income in the project as provided under  
30.27 Minnesota Statutes, section 116P.10.

30.28 **(r) Prospector ATV Trails**

30.29 \$944,000 the second year is from the trust  
30.30 fund to the commissioner of natural resources  
30.31 for an agreement with the city of Ely to work  
30.32 with the Prospector ATV Club to extend and  
30.33 upgrade several sections of the Prospector  
30.34 ATV trail system.

30.35 **(s) City of Biwabik Recreation Area**

31.1 \$749,000 the second year is from the trust  
 31.2 fund to the commissioner of natural resources  
 31.3 for an agreement with the city of Biwabik to  
 31.4 reconstruct and renovate Biwabik Recreation  
 31.5 Area's access road, parking area, and bathroom  
 31.6 facilities.

31.7 **Subd. 10. Administrative and Emerging Issues** -0- 594,000

31.8 **(a) 2022 Contract Agreement Reimbursement**

31.9 \$210,000 the second year is to the  
 31.10 commissioner of natural resources, at the  
 31.11 direction of the Legislative-Citizen  
 31.12 Commission on Minnesota Resources, for  
 31.13 expenses incurred in preparing and  
 31.14 administering contracts, including for the  
 31.15 agreements specified in this section. Of this  
 31.16 amount, \$132,000 is from the trust fund and  
 31.17 \$78,000 is from the transfer of money  
 31.18 appropriated under Laws 2021, First Special  
 31.19 Session chapter 6, article 5, section 2,  
 31.20 subdivision 4, paragraph (b). The  
 31.21 commissioner must provide documentation to  
 31.22 the Legislative-Citizen Commission on  
 31.23 Minnesota Resources on the expenditure of  
 31.24 these funds.

31.25 **(b) Emerging Issues Account**

31.26 \$384,000 the second year is from the trust  
 31.27 fund to an emerging issues account authorized  
 31.28 in Minnesota Statutes, section 116P.08,  
 31.29 subdivision 4, paragraph (d).

31.30 **Subd. 11. Availability of Appropriations**

31.31 Money appropriated in this section may not  
 31.32 be spent on activities unless they are directly  
 31.33 related to and necessary for a specific  
 31.34 appropriation and are specified in the work

32.1 plan approved by the Legislative-Citizen  
32.2 Commission on Minnesota Resources. Money  
32.3 appropriated in this section must not be spent  
32.4 on indirect costs or other institutional overhead  
32.5 charges that are not directly related to and  
32.6 necessary for a specific appropriation. Costs  
32.7 that are directly related to and necessary for  
32.8 an appropriation, including financial services,  
32.9 human resources, information services, rent,  
32.10 and utilities, are eligible only if the costs can  
32.11 be clearly justified and individually  
32.12 documented specific to the appropriation's  
32.13 purpose and would not be generated by the  
32.14 recipient but for receipt of the appropriation.  
32.15 No broad allocations for costs in either dollars  
32.16 or percentages are allowed. Unless otherwise  
32.17 provided, the amounts in this section are  
32.18 available for three years beginning July 1,  
32.19 2022, and ending June 30, 2025, when projects  
32.20 must be completed and final products  
32.21 delivered. For acquisition of real property, the  
32.22 appropriations in this section are available for  
32.23 an additional fiscal year if a binding contract  
32.24 for acquisition of the real property is entered  
32.25 into before the expiration date of the  
32.26 appropriation. If a project receives a federal  
32.27 award, the period of the appropriation is  
32.28 extended to equal the federal award period to  
32.29 a maximum trust fund appropriation length of  
32.30 six years.

32.31 **Subd. 12. Data Availability Requirements Data**

32.32 Data collected by the projects funded under  
32.33 this section must conform to guidelines and  
32.34 standards adopted by Minnesota IT Services.  
32.35 Spatial data must also conform to additional



33.1 guidelines and standards designed to support  
33.2 data coordination and distribution that have  
33.3 been published by the Minnesota Geospatial  
33.4 Information Office. Descriptions of spatial  
33.5 data must be prepared as specified in the state's  
33.6 geographic metadata guideline and must be  
33.7 submitted to the Minnesota Geospatial  
33.8 Information Office. All data must be  
33.9 accessible and free to the public unless made  
33.10 private under the Data Practices Act,  
33.11 Minnesota Statutes, chapter 13. To the extent  
33.12 practicable, summary data and results of  
33.13 projects funded under this section should be  
33.14 readily accessible on the Internet and  
33.15 identified as having received funding from the  
33.16 environment and natural resources trust fund.

33.17 **Subd. 13. Project Requirements**

33.18 (a) As a condition of accepting an  
33.19 appropriation under this section, an agency or  
33.20 entity receiving an appropriation or a party to  
33.21 an agreement from an appropriation must  
33.22 comply with paragraphs (b) to (l) and  
33.23 Minnesota Statutes, chapter 116P, and must  
33.24 submit a work plan and annual or semiannual  
33.25 progress reports in the form determined by the  
33.26 Legislative-Citizen Commission on Minnesota  
33.27 Resources for any project funded in whole or  
33.28 in part with funds from the appropriation.  
33.29 Modifications to the approved work plan and  
33.30 budget expenditures must be made through  
33.31 the amendment process established by the  
33.32 Legislative-Citizen Commission on Minnesota  
33.33 Resources.

33.34 (b) A recipient of money appropriated in this  
33.35 section that conducts a restoration using funds

34.1 appropriated in this section must use native  
34.2 plant species according to the Board of Water  
34.3 and Soil Resources' native vegetation  
34.4 establishment and enhancement guidelines  
34.5 and include an appropriate diversity of native  
34.6 species selected to provide habitat for  
34.7 pollinators throughout the growing season as  
34.8 required under Minnesota Statutes, section  
34.9 84.973.

34.10 (c) For all restorations conducted with money  
34.11 appropriated under this section, a recipient  
34.12 must prepare an ecological restoration and  
34.13 management plan that, to the degree  
34.14 practicable, is consistent with the  
34.15 highest-quality conservation and ecological  
34.16 goals for the restoration site. Consideration  
34.17 should be given to soil, geology, topography,  
34.18 and other relevant factors that would provide  
34.19 the best chance for long-term success and  
34.20 durability of the restoration project. The plan  
34.21 must include the proposed timetable for  
34.22 implementing the restoration, including site  
34.23 preparation, establishment of diverse plant  
34.24 species, maintenance, and additional  
34.25 enhancement to establish the restoration;  
34.26 identify long-term maintenance and  
34.27 management needs of the restoration and how  
34.28 the maintenance, management, and  
34.29 enhancement will be financed; and take  
34.30 advantage of the best-available science and  
34.31 include innovative techniques to achieve the  
34.32 best restoration.

34.33 (d) An entity receiving an appropriation in this  
34.34 section for restoration activities must provide  
34.35 an initial restoration evaluation at the

35.1 completion of the appropriation and an  
35.2 evaluation three years after the completion of  
35.3 the expenditure. Restorations must be  
35.4 evaluated relative to the stated goals and  
35.5 standards in the restoration plan, current  
35.6 science, and, when applicable, the Board of  
35.7 Water and Soil Resources' native vegetation  
35.8 establishment and enhancement guidelines.  
35.9 The evaluation must determine whether the  
35.10 restorations are meeting planned goals,  
35.11 identify any problems with implementing the  
35.12 restorations, and, if necessary, give  
35.13 recommendations on improving restorations.  
35.14 The evaluation must be focused on improving  
35.15 future restorations.

35.16 (e) All restoration and enhancement projects  
35.17 funded with money appropriated in this section  
35.18 must be on land permanently protected by a  
35.19 conservation easement or public ownership.

35.20 (f) A recipient of money from an appropriation  
35.21 under this section must give consideration to  
35.22 contracting with Conservation Corps  
35.23 Minnesota for contract restoration and  
35.24 enhancement services.

35.25 (g) All conservation easements acquired with  
35.26 money appropriated under this section must:

35.27 (1) be permanent;

35.28 (2) specify the parties to an easement in the  
35.29 easement;

35.30 (3) specify all provisions of an agreement that  
35.31 are permanent;

35.32 (4) be sent to the Legislative-Citizen  
35.33 Commission on Minnesota Resources in an

36.1 electronic format at least ten business days  
36.2 before closing;

36.3 (5) include a long-term monitoring and  
36.4 enforcement plan and funding for monitoring  
36.5 and enforcing the easement agreement; and

36.6 (6) include requirements in the easement  
36.7 document to protect the quantity and quality  
36.8 of groundwater and surface water through  
36.9 specific activities such as keeping water on  
36.10 the landscape, reducing nutrient and  
36.11 contaminant loading, and not permitting  
36.12 artificial hydrological modifications.

36.13 (h) For any acquisition of lands or interest in  
36.14 lands, a recipient of money appropriated under  
36.15 this section must not agree to pay more than  
36.16 100 percent of the appraised value for a parcel  
36.17 of land using this money to complete the  
36.18 purchase, in part or in whole, except that up  
36.19 to ten percent above the appraised value may  
36.20 be allowed to complete the purchase, in part  
36.21 or in whole, using this money if permission is  
36.22 received in advance of the purchase from the  
36.23 Legislative-Citizen Commission on Minnesota  
36.24 Resources.

36.25 (i) For any acquisition of land or interest in  
36.26 land, a recipient of money appropriated under  
36.27 this section must give priority to high-quality  
36.28 natural resources or conservation lands that  
36.29 provide natural buffers to water resources.

36.30 (j) For new lands acquired with money  
36.31 appropriated under this section, a recipient  
36.32 must prepare an ecological restoration and  
36.33 management plan in compliance with  
36.34 paragraph (c), including sufficient funding for

37.1 implementation unless the work plan addresses  
37.2 why a portion of the money is not necessary  
37.3 to achieve a high-quality restoration.

37.4 (k) To ensure public accountability for using  
37.5 public funds, a recipient of money  
37.6 appropriated under this section must, within  
37.7 60 days of the transaction, provide to the  
37.8 Legislative-Citizen Commission on Minnesota  
37.9 Resources documentation of the selection  
37.10 process used to identify parcels acquired and  
37.11 provide documentation of all related  
37.12 transaction costs, including but not limited to  
37.13 appraisals, legal fees, recording fees,  
37.14 commissions, other similar costs, and  
37.15 donations. This information must be provided  
37.16 for all parties involved in the transaction. The  
37.17 recipient must also report to the  
37.18 Legislative-Citizen Commission on Minnesota  
37.19 Resources any difference between the  
37.20 acquisition amount paid to the seller and the  
37.21 state-certified or state-reviewed appraisal, if  
37.22 a state-certified or state-reviewed appraisal  
37.23 was conducted.

37.24 (l) A recipient of an appropriation from the  
37.25 trust fund under this section must acknowledge  
37.26 financial support from the environment and  
37.27 natural resources trust fund in project  
37.28 publications, signage, and other public  
37.29 communications and outreach related to work  
37.30 completed using the appropriation.  
37.31 Acknowledgment may occur, as appropriate,  
37.32 through use of the trust fund logo or inclusion  
37.33 of language attributing support from the trust  
37.34 fund. Each direct recipient of money  
37.35 appropriated in this section, as well as each

38.1 recipient of a grant awarded pursuant to this  
38.2 section, must satisfy all reporting and other  
38.3 requirements incumbent upon constitutionally  
38.4 dedicated funding recipients as provided in  
38.5 Minnesota Statutes, section 3.303, subdivision  
38.6 10, and chapter 116P.

38.7 (m) A recipient of an appropriation from the  
38.8 trust fund under this section that is receiving  
38.9 funding to conduct children's services, as  
38.10 defined in Minnesota Statutes, section  
38.11 299C.61, subdivision 7, must certify to the  
38.12 Legislative-Citizen Commission on Minnesota  
38.13 Resources, as part of the required work plan,  
38.14 that criminal background checks for  
38.15 background check crimes, as defined in  
38.16 Minnesota Statutes, section 299C.61,  
38.17 subdivision 2, are performed on all employees,  
38.18 contractors, and volunteers that have or may  
38.19 have access to a child to whom the recipient  
38.20 provides children's services using the  
38.21 appropriation.

38.22 **Subd. 14. Payment Conditions and Capital**  
38.23 **Equipment Expenditures**

38.24 (a) All agreements, grants, or contracts  
38.25 referred to in this section must be administered  
38.26 on a reimbursement basis unless otherwise  
38.27 provided in this section. Notwithstanding  
38.28 Minnesota Statutes, section 16A.41,  
38.29 expenditures made on or after July 1, 2022,  
38.30 or the date the work plan is approved,  
38.31 whichever is later, are eligible for  
38.32 reimbursement unless otherwise provided in  
38.33 this section. Periodic payments must be made  
38.34 upon receiving documentation that the  
38.35 deliverable items articulated in the approved

39.1 work plan have been achieved, including  
39.2 partial achievements as evidenced by approved  
39.3 progress reports. Reasonable amounts may be  
39.4 advanced to projects to accommodate  
39.5 cash-flow needs or match federal money. The  
39.6 advances must be approved as part of the work  
39.7 plan. No expenditures for capital equipment  
39.8 are allowed unless expressly authorized in the  
39.9 project work plan.

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

39.12 **Subd. 15. Purchasing Recycled and Recyclable**  
39.13 **Materials**

39.14 A political subdivision, public or private  
39.15 corporation, or other entity that receives an  
39.16 appropriation under this section must use the  
39.17 appropriation in compliance with Minnesota  
39.18 Statutes, section 16C.0725, regarding  
39.19 purchasing recycled, repairable, and durable  
39.20 materials, and Minnesota Statutes, section  
39.21 16C.073, regarding purchasing and using  
39.22 paper stock and printing.

39.23 **Subd. 16. Energy Conservation and Sustainable**  
39.24 **Building Guidelines**

39.25 A recipient to whom an appropriation is made  
39.26 under this section for a capital improvement  
39.27 project must ensure that the project complies  
39.28 with the applicable energy conservation and  
39.29 sustainable building guidelines and standards  
39.30 contained in law, including Minnesota  
39.31 Statutes, sections 16B.325, 216C.19, and  
39.32 216C.20, and rules adopted under those  
39.33 sections. The recipient may use the energy  
39.34 planning, advocacy, and State Energy Office  
39.35 units of the Department of Commerce to

40.1 obtain information and technical assistance  
40.2 on energy conservation and alternative-energy  
40.3 development relating to planning and  
40.4 constructing the capital improvement project.

40.5 **Subd. 17. Accessibility**

40.6 Structural and nonstructural facilities must  
40.7 meet the design standards in the Americans  
40.8 with Disabilities Act (ADA) accessibility  
40.9 guidelines.

40.10 **Subd. 18. Carryforward; Extensions**

40.11 (a) The availability of the appropriation under  
40.12 Laws 2019, First Special Session chapter 4,  
40.13 article 2, section 2, subdivision 9, paragraph  
40.14 (e), National Loon Center, is extended to June  
40.15 30, 2024.

40.16 (b) The availability of the transfers for the  
40.17 following projects are extended to June 30,  
40.18 2024:

40.19 (1) Laws 2021, First Special Session chapter  
40.20 6, article 5, section 2, subdivision 20,  
40.21 paragraph (a), clause (1), for the  
40.22 Unprecedented Change Threatens Minnesota's  
40.23 Pristine Lakes project;

40.24 (2) Laws 2021, First Special Session chapter  
40.25 6, article 5, section 2, subdivision 20,  
40.26 paragraph (a), clause (2), for the Wastewater  
40.27 Pond Optimization project;

40.28 (3) Laws 2021, First Special Session chapter  
40.29 6, article 5, section 2, subdivision 20,  
40.30 paragraph (a), clause (3), for the Applied  
40.31 Research in State Mineral and Water  
40.32 Resources project;



- 41.1 (4) Laws 2021, First Special Session chapter  
41.2 6, article 5, section 2, subdivision 20,  
41.3 paragraph (a), clause (4), for the Chloride  
41.4 Pollution Reduction project;
- 41.5 (5) Laws 2021, First Special Session chapter  
41.6 6, article 5, section 2, subdivision 20,  
41.7 paragraph (a), clause (5), for the CWD Prion  
41.8 Research in Soils project;
- 41.9 (6) Laws 2021, First Special Session chapter  
41.10 6, article 5, section 2, subdivision 20,  
41.11 paragraph (b), clauses (1) and (2), Lawns to  
41.12 Legumes;
- 41.13 (7) Laws 2021, First Special Session chapter  
41.14 6, article 5, section 2, subdivision 20,  
41.15 paragraph (c), clauses (1) to (8), Emerging  
41.16 Issues Account; and
- 41.17 (8) Laws 2021, First Special Session chapter  
41.18 6, article 6, section 2, subdivision 19,  
41.19 paragraph (a), clauses (1) to (4), for the Forest  
41.20 Health Research, Development and  
41.21 Demonstration project at the Natural  
41.22 Resources Research Institute.
- 41.23 (c) Notwithstanding Minnesota Statutes,  
41.24 section 16A.28, or any other law to the  
41.25 contrary, the availability of any appropriation  
41.26 or grant of money from the environment and  
41.27 natural resources trust fund that would  
41.28 otherwise cancel, lapse, or expire on June 30,  
41.29 2022, is extended to June 30, 2023, if the  
41.30 recipient or grantee:
- 41.31 (1) by May 15, 2022, notifies the  
41.32 Legislative-Citizen Commission on Minnesota  
41.33 Resources in the manner specified by the  
41.34 commission that the recipient or grantee

42.1 intends to avail itself of the extension available

42.2 under this subdivision; and

42.3 (2) modifies the applicable work plan where

42.4 required by Minnesota Statutes, section

42.5 116P.05, subdivision 2, in accordance with

42.6 the work plan amendment procedures adopted

42.7 under that section.

42.8 (d) The commission must notify the

42.9 commissioner of management and budget and

42.10 the commissioner of natural resources of any

42.11 extension granted under paragraph (c).

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