

209.13

ARTICLE 6

209.14

ENVIRONMENT AND NATURAL RESOURCES TRUST FUND FISCAL YEAR

209.15

2022

209.16

Section 1. **APPROPRIATIONS.**

209.17

The sums shown in the columns marked "Appropriations" are appropriated to the agencies

209.18

and for the purposes specified in this article. The appropriations are from the environment

209.19

and natural resources trust fund and are available for the fiscal years indicated for each

209.20

purpose. The figures "2022" and "2023" used in this article mean that the appropriations

209.21

listed under them are available for the fiscal year ending June 30, 2022, or June 30, 2023,

209.22

respectively. "The first year" is fiscal year 2022. "The second year" is fiscal year 2023. "The

209.23

biennium" is fiscal years 2022 and 2023.

209.24

APPROPRIATIONS

209.25

Available for the Year

209.26

Ending June 30

209.27

2022

2023

209.28

Sec. 2. **MINNESOTA RESOURCES**

209.29

Subdivision 1. Total Appropriation

\$

70,881,000

\$

-0-

209.30

The amounts that may be spent for each

209.31

purpose are specified in the following

209.32

subdivisions. Appropriations in the first year

209.33

are available for three years beginning July 1,

209.34

2021, unless otherwise stated in the

210.1 appropriation. Any unencumbered balance
 210.2 remaining in the first year does not cancel and
 210.3 is available for the second year or until the
 210.4 end of the appropriation.

210.5 **Subd. 2. Definition**

210.6 "Trust fund" means the Minnesota
 210.7 environment and natural resources trust fund
 210.8 established under the Minnesota Constitution,
 210.9 article XI, section 14.

210.10 **Subd. 3. Foundational Natural Resource Data**
 210.11 **and Information**

10,459,000

-0-

210.12 **(a) What's Bugging Minnesota's Insect-Eating**
 210.13 **Birds?**

210.14 \$199,000 the first year is from the trust fund
 210.15 to the Board of Regents of the University of
 210.16 Minnesota for the Natural Resources Research
 210.17 Institute to examine the relationship between
 210.18 insect abundance, timing of insect availability,
 210.19 and breeding success for multiple bird species
 210.20 across land-use intensities to develop
 210.21 comprehensive guidelines to conserve bird
 210.22 and insect diversity.

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

210.25 \$811,000 the first year is from the trust fund
 210.26 to the commissioner of natural resources to
 210.27 conduct a statewide inventory to provide
 210.28 baseline data and build in-state knowledge of
 210.29 Minnesota's native stoneworts, a diverse group
 210.30 of aquatic plants that support clear lakes and
 210.31 healthy fish habitat.

210.32 **(c) County Groundwater Atlas**

210.33 \$1,875,000 the first year is from the trust fund
 210.34 to the commissioner of natural resources to

211.1 continue producing county groundwater
211.2 atlases to inform management of surface water
211.3 and groundwater resources for drinking and
211.4 other purposes. This appropriation is for Part
211.5 B, to characterize the potential water yields of
211.6 aquifers and aquifers' sensitivity to
211.7 contamination.

211.8 **(d) Improving Resiliency and Conservation**
211.9 **Outcomes for Minnesota Turtles**

211.10 \$391,000 the first year is from the trust fund
211.11 to the Minnesota Zoological Garden to
211.12 improve the conservation of Minnesota's
211.13 imperiled turtles through animal husbandry,
211.14 field conservation, and educational
211.15 programming. This appropriation is available
211.16 until June 30, 2025, by which time the project
211.17 must be completed and final products
211.18 delivered.

211.19 **(e) Minnesota Biological Survey**

211.20 \$1,500,000 the first year is from the trust fund
211.21 to the commissioner of natural resources to
211.22 complete the statewide baseline biological
211.23 survey by finalizing data, analyses, and
211.24 publications and by conducting targeted field
211.25 surveys to fill missing gaps of information
211.26 needed to support conservation of Minnesota's
211.27 biodiversity. Any revenues generated through
211.28 the publication of books or other resources
211.29 created through this appropriation may be
211.30 reinvested as described in the work plan
211.31 approved by the Legislative-Citizen
211.32 Commission on Minnesota Resources
211.33 according to Minnesota Statutes, section
211.34 116P.10.

- 212.1 **(f) Groundwater Contamination Mapping**
 212.2 **Project - Phase II**
- 212.3 \$800,000 the first year is from the trust fund
 212.4 to the commissioner of the Pollution Control
 212.5 Agency to improve protection of groundwater
 212.6 resources for drinking water by expanding the
 212.7 web-based interactive groundwater
 212.8 contamination mapping system to include all
 212.9 other state hazardous and solid waste cleanup
 212.10 programs and by upgrading the system to
 212.11 collect monitoring data.
- 212.12 **(g) Geologic Atlases for Water Resource**
 212.13 **Management**
- 212.14 \$3,092,000 the first year is from the trust fund
 212.15 to the Board of Regents of the University of
 212.16 Minnesota, Minnesota Geological Survey, to
 212.17 continue producing county geologic atlases to
 212.18 inform management of surface water and
 212.19 groundwater resources. This appropriation is
 212.20 to complete Part A, which focuses on the
 212.21 properties and distribution of earth materials
 212.22 to define aquifer boundaries and the
 212.23 connection of aquifers to the land surface and
 212.24 surface water resources.
- 212.25 **(h) Redwood County Reinvest in Minnesota**
 212.26 **Easement Evaluation and Public Outreach**
- 212.27 \$197,000 the first year is from the trust fund
 212.28 to the commissioner of natural resources for
 212.29 an agreement with Redwood County for the
 212.30 Redwood Soil and Water Conservation District
 212.31 to inventory vegetation, evaluate wetland
 212.32 conditions, and create a countywide
 212.33 stewardship plan for lands protected with
 212.34 permanent conservation easements. This
 212.35 appropriation may also be spent to conduct
 212.36 outreach to volunteers and landowners on

213.1 effective prairie and wetland habitat
 213.2 management.

213.3 **(i) Collaborative State and Tribal Wild Rice**
 213.4 **Monitoring Program**

213.5 \$644,000 the first year is from the trust fund
 213.6 to the commissioner of natural resources to
 213.7 work with Tribal partners to create a
 213.8 collaborative and comprehensive monitoring
 213.9 program to conserve wild-rice waters, develop
 213.10 remote sensing tools for statewide estimates
 213.11 of wild rice coverage, and collect consistent
 213.12 field data on wild rice health and abundance.

213.13 **(j) Morrison County Performance Drainage and**
 213.14 **Hydrology Management II**

213.15 \$197,000 the first year is from the trust fund
 213.16 to the commissioner of natural resources for
 213.17 an agreement with the Morrison Soil and
 213.18 Water Conservation District to complete the
 213.19 Morrison County culvert inventory started in
 213.20 2016 to help solve landowner conflicts, protect
 213.21 wetlands, improve water quality, and design
 213.22 additional water storage throughout the
 213.23 county.

213.24 **(k) Exploring Minnesota's Wetlands: Our**
 213.25 **Resource for Future Medicine**

213.26 \$210,000 the first year is from the trust fund
 213.27 to the Board of Regents of the University of
 213.28 Minnesota, Crookston, to work with White
 213.29 Earth Tribal and Community College to
 213.30 catalog bog microbe diversity in Minnesota's
 213.31 ecoregions, test for potential
 213.32 antibiotic-producing microorganisms, and
 213.33 establish methods to enhance any antibiotic
 213.34 cultures discovered.

- 214.1 **(l) A Biodiversity Checkup for Minnesota's Big**
214.2 **Woods**
- 214.3 \$109,000 the first year is from the trust fund
214.4 to the Board of Regents of the University of
214.5 Minnesota to inform conservation strategies
214.6 by comparing the historic and contemporary
214.7 flora of Minnesota's Big Woods to determine
214.8 if all species have survived in the small
214.9 remaining remnants of that ecosystem.
- 214.10 **(m) Microbiome in Raptors: A New Tool for**
214.11 **Conservation**
- 214.12 \$129,000 the first year is from the trust fund
214.13 to the Board of Regents of the University of
214.14 Minnesota for the Raptor Center to improve
214.15 wildlife care and environmental stewardship
214.16 by evaluating the impact of antibiotics
214.17 administered during captivity on raptor gut
214.18 microbiome, rehabilitation success, and the
214.19 potential spread of antimicrobial resistance in
214.20 the natural environment.
- 214.21 **(n) Bioacoustics for Broad-Scale Species**
214.22 **Monitoring and Conservation**
- 214.23 \$305,000 the first year is from the trust fund
214.24 to the Board of Regents of the University of
214.25 Minnesota to improve wildlife conservation
214.26 efforts by using passive acoustic monitoring
214.27 devices to determine statewide distribution
214.28 and reproduction of red-headed woodpeckers
214.29 and developing a protocol for future use of
214.30 this technology to monitor population trends
214.31 and responses to habitat management. This
214.32 appropriation is available until June 30, 2025,
214.33 by which time the project must be completed
214.34 and final products delivered.

- 215.1 Subd. 4. **Water Resources** 4,771,000 -0-
- 215.2 **(a) Trout Stream Habitat Restoration Success**
- 215.3 \$319,000 the first year is from the trust fund
- 215.4 to the Board of Regents of the University of
- 215.5 Minnesota for the Natural Resources Research
- 215.6 Institute to evaluate the effectiveness and
- 215.7 durability of previous trout stream habitat
- 215.8 restoration projects to improve the success and
- 215.9 cost effectiveness of future projects. This
- 215.10 appropriation is available until June 30, 2025,
- 215.11 by which time the project must be completed
- 215.12 and final products delivered.
- 215.13 **(b) Novel Nutrient Recovery Process from**
- 215.14 **Wastewater Treatment Plants**
- 215.15 \$200,000 the first year is from the trust fund
- 215.16 to the Board of Regents of the University of
- 215.17 Minnesota to conduct lab- and pilot-scale tests
- 215.18 of a new process to promote nutrient removal
- 215.19 and recovery at rural municipal and industrial
- 215.20 wastewater treatment plants for water
- 215.21 protection and renewable energy production.
- 215.22 **(c) Monitoring Emerging Viruses in Minnesota's**
- 215.23 **Urban Water Cycles**
- 215.24 \$416,000 the first year is from the trust fund
- 215.25 to the Board of Regents of the University of
- 215.26 Minnesota to develop rapid testing,
- 215.27 quantification, and human exposure risk
- 215.28 assessment models for enveloped viruses such
- 215.29 as coronaviruses in urban wastewater and
- 215.30 drinking water treatment processes.
- 215.31 **(d) Microgeographic Impact of Antibiotics**
- 215.32 **Released from Identified Hotspots**
- 215.33 \$508,000 the first year is from the trust fund
- 215.34 to the Board of Regents of the University of
- 215.35 Minnesota to inform protection of

216.1 environmental, animal, and human health from
216.2 proliferation of antibiotic resistance by
216.3 quantifying and mapping the extent of
216.4 antibiotic spread in waters and soils from
216.5 locations identified as release hot spots.

216.6 **(e) Sustainable Irrigation Management:**
216.7 **Expanding a Web Application**

216.8 \$1,139,000 the first year is from the trust fund
216.9 to the Board of Regents of the University of
216.10 Minnesota to promote responsible use of
216.11 Minnesota's groundwater resources by
216.12 expanding an existing irrigation management
216.13 assistance tool into a mobile-compatible web
216.14 application for the top agricultural-producing
216.15 counties in the state. This appropriation is
216.16 available until June 30, 2025, by which time
216.17 the project must be completed and final
216.18 products delivered.

216.19 **(f) Assessing Membrane Bioreactor Wastewater**
216.20 **Treatment Efficacy**

216.21 \$419,000 the first year is from the trust fund
216.22 to the Board of Trustees of the Minnesota
216.23 State Colleges and Universities system for St.
216.24 Cloud State University to conduct a
216.25 comprehensive assessment of membrane
216.26 bioreactor treatment of wastewater to inform
216.27 managers of options for updating or replacing
216.28 aging wastewater infrastructure.

216.29 **(g) Evaluating Coronavirus and Other**
216.30 **Microbiological Contamination of Drinking**
216.31 **Water Sources from Wastewater**

216.32 \$594,000 the first year is from the trust fund
216.33 to the Board of Regents of the University of
216.34 Minnesota to survey public and private wells
216.35 to identify sources of and evaluate solutions
216.36 to microbiological contamination of drinking

217.1 water sources by wastewater, including from
217.2 the virus that causes COVID-19.

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

217.4 \$259,000 the first year is from the trust fund
217.5 to the commissioner of natural resources for
217.6 an agreement with the city of Aurora to install
217.7 sampling wells and conduct a study to
217.8 determine appropriate mitigation of the
217.9 abandoned St. James pit mine to protect
217.10 surface and drinking water and prevent harm
217.11 to homes and residents.

217.12 **(i) Long-Term Nitrate Mitigation by**
217.13 **Maintaining Profitable Kernza Production**

217.14 \$485,000 the first year is from the trust fund
217.15 to the commissioner of natural resources for
217.16 an agreement with the Stearns County Soil
217.17 and Water Conservation District to evaluate
217.18 the effectiveness of aging Kernza stands on
217.19 water quality and to continue to develop a
217.20 sustainable supply chain with a focus on
217.21 post-harvest processing of Kernza for water
217.22 protection and local economies.

217.23 **(j) Antibiotic Resistance and Wastewater**
217.24 **Treatment: Problems and Solutions**

217.25 \$432,000 the first year is from the trust fund
217.26 to the commissioner of natural resources for
217.27 an agreement with the University of St.
217.28 Thomas to quantify the ability of full-scale
217.29 wastewater treatment plants to eliminate
217.30 antibiotic resistance genes entering or created
217.31 in the water treatment process before these
217.32 genes are released into the natural
217.33 environment.

218.1	<u>Subd. 5. Environmental Education</u>	<u>2,687,000</u>	<u>-0-</u>
218.2	<u>(a) Increasing Outdoor Learning for Young</u>		
218.3	<u>Minnesotans</u>		
218.4	<u>\$383,000 the first year is from the trust fund</u>		
218.5	<u>to the commissioner of natural resources for</u>		
218.6	<u>an agreement with Wolf Ridge Environmental</u>		
218.7	<u>Learning Center to provide scholarships for</u>		
218.8	<u>equitable access to hands-on learning</u>		
218.9	<u>experiences in the outdoors related to outdoor</u>		
218.10	<u>recreation, air and energy, water, habitat, and</u>		
218.11	<u>fish and wildlife. This appropriation is</u>		
218.12	<u>available until June 30, 2025, by which time</u>		
218.13	<u>the project must be completed and final</u>		
218.14	<u>products delivered.</u>		
218.15	<u>(b) Pollinator Education in the Science</u>		
218.16	<u>Classroom</u>		
218.17	<u>\$366,000 the first year is from the trust fund</u>		
218.18	<u>to the Board of Regents of the University of</u>		
218.19	<u>Minnesota to educate approximately 5,000</u>		
218.20	<u>students about pollinator conservation by</u>		
218.21	<u>providing professional development for</u>		
218.22	<u>science teachers to integrate pollinator</u>		
218.23	<u>education curriculum and materials into their</u>		
218.24	<u>classrooms and by evaluating the program to</u>		
218.25	<u>improve its effectiveness.</u>		
218.26	<u>(c) Minnesota Freshwater Quest: Environmental</u>		
218.27	<u>Education for Youth</u>		
218.28	<u>\$699,000 the first year is from the trust fund</u>		
218.29	<u>to the commissioner of natural resources for</u>		
218.30	<u>an agreement with Wilderness Inquiry to</u>		
218.31	<u>provide place-based STEM environmental</u>		
218.32	<u>education to approximately 15,000 diverse</u>		
218.33	<u>and underserved Minnesota youth through</u>		
218.34	<u>exploration of local ecosystems and waterways</u>		
218.35	<u>in the Minnesota Freshwater Quest program.</u>		

- 219.1 **(d) Minnesota Master Naturalist: Nature for**
219.2 **New Minnesotans**
- 219.3 \$293,000 the first year is from the trust fund
219.4 to the Board of Regents of the University of
219.5 Minnesota in partnership with
219.6 English-language-learning organizations to
219.7 adapt and incorporate materials developed for
219.8 Minnesota Master Naturalists into
219.9 English-language-learning programs to
219.10 introduce immigrants and English-language
219.11 learners to Minnesota's great outdoors.
- 219.12 **(e) The Voyageurs Classroom Initiative**
- 219.13 \$348,000 the first year is from the trust fund
219.14 to the commissioner of natural resources for
219.15 an agreement with Voyageurs Conservancy
219.16 to launch a new initiative to connect
219.17 Minnesota youth, young adults, and their
219.18 families to Voyageurs National Park by
219.19 learning about the park's waters, wildlife, and
219.20 forests and by engaging in the park's
219.21 preservation.
- 219.22 **(f) Restoring Land and Reviving Heritage:**
219.23 **Conservation Through Indigenous Culture**
- 219.24 \$420,000 the first year is from the trust fund
219.25 to the commissioner of natural resources for
219.26 an agreement with Belwin Conservancy in
219.27 partnership with Anishinabe Academy to
219.28 conduct environmental education
219.29 programming that incorporates ecology and
219.30 indigenous land traditions and to restore an
219.31 ecologically significant area of land using
219.32 modern scientific standards and traditional
219.33 ecological knowledge.
- 219.34 **(g) Expanding Access to Environmental**
219.35 **Education for Underserved Communities**

220.1 \$178,000 the first year is from the trust fund
 220.2 to the Board of Regents of the University of
 220.3 Minnesota for the Raptor Center to build
 220.4 environmental literacy and engagement by
 220.5 delivering an environmental education
 220.6 program featuring live raptors and
 220.7 standards-based curriculum to approximately
 220.8 300 classrooms in underserved communities
 220.9 throughout Minnesota.

220.10 **Subd. 6. Aquatic and Terrestrial Invasive**
 220.11 **Species**

6,148,000

-0-

220.12 **(a) Starch Allocation Patterns of Invasive Starry**
 220.13 **Stonewort Harvested from Lake Koronis**

220.14 \$101,000 the first year is from the trust fund
 220.15 to the Board of Trustees of the Minnesota
 220.16 State Colleges and Universities System for
 220.17 Minnesota State University, Mankato, to
 220.18 evaluate the starch allocation patterns of the
 220.19 invasive starry stonewort to identify
 220.20 weaknesses in the plant's growth that could be
 220.21 targeted for management.

220.22 **(b) Long-Term Efficacy of Invasive Removal in**
 220.23 **Floodplain Forests**

220.24 \$25,000 the first year is from the trust fund to
 220.25 the commissioner of natural resources for an
 220.26 agreement with Macalester College to begin
 220.27 a long-term scientific study at the Ordway
 220.28 Field Station to provide information to land
 220.29 managers on protecting Minnesota's floodplain
 220.30 forests from combined threats of overabundant
 220.31 deer, invasive shrubs, and earthworms. This
 220.32 appropriation is available until June 30, 2025,
 220.33 by which time the project must be completed
 220.34 and final products delivered. A report on the
 220.35 results of the long-term study must be
 220.36 submitted at the end of the appropriation and

221.1 an update must be submitted five years after
221.2 the appropriation ends or at the study's
221.3 conclusion, whichever is first.

221.4 **(c) Oak Wilt Suppression at the Northern Edge**
221.5 **- Phase II**

221.6 \$423,000 the first year is from the trust fund
221.7 to the commissioner of natural resources for
221.8 an agreement with the Morrison Soil and
221.9 Water Conservation District to continue to
221.10 eradicate the northernmost occurrences of oak
221.11 wilt in the state through mechanical means on
221.12 select private properties to prevent oak wilt's
221.13 spread to healthy state forests.

221.14 **(d) Biocontrol of Invasive Species in Bee Lawns**
221.15 **and Parklands**

221.16 \$425,000 the first year is from the trust fund
221.17 to the Board of Regents of the University of
221.18 Minnesota to establish a biocontrol program
221.19 to manage the invasive Japanese beetle in a
221.20 way that reduces insecticide use in bee lawns
221.21 and pollinator restorations and the associated
221.22 economic and environmental costs to wildlife
221.23 and humans.

221.24 **(e) Building Knowledge and Capacity for AIS**
221.25 **Solutions**

221.26 \$3,750,000 the first year is from the trust fund
221.27 to the Board of Regents of the University of
221.28 Minnesota for the Minnesota Aquatic Invasive
221.29 Species Research Center to conduct
221.30 high-priority projects aimed at solving
221.31 Minnesota's aquatic invasive species problems
221.32 using rigorous science and a collaborative
221.33 process. Additionally, the appropriation may
221.34 be spent to deliver research findings to end
221.35 users through strategic communication and

222.1 outreach. This appropriation is available until
 222.2 June 30, 2025, by which time the project must
 222.3 be completed and final products delivered.

222.4 **(f) Evaluating Minnesota's Last Best Chance to**
 222.5 **Stop Carp**

222.6 \$424,000 the first year is from the trust fund
 222.7 to the Board of Regents of the University of
 222.8 Minnesota, in cooperation with the United
 222.9 States Army Corps of Engineers and the
 222.10 Department of Natural Resources, to evaluate
 222.11 invasive carp passage and the costs, processes,
 222.12 and potential for a state-of-the-art deterrent
 222.13 system installed at Mississippi River Lock and
 222.14 Dam Number 5 to impede passage of invasive
 222.15 carp at this location to protect the upper river.

222.16 **(g) Stop Starry Invasion with Community**
 222.17 **Invasive Species Containment**

222.18 \$1,000,000 the first year is from the trust fund
 222.19 to the commissioner of natural resources for
 222.20 an agreement with Minnesota Lakes and
 222.21 Rivers Advocates to work with civic leaders
 222.22 to purchase, install, and operate waterless
 222.23 cleaning stations for watercraft; conduct
 222.24 aquatic invasive species education; and
 222.25 implement education upgrades at public
 222.26 accesses to prevent invasive starry stonewort
 222.27 spread beyond the 16 lakes already infested.
 222.28 This appropriation is available until June 30,
 222.29 2025, by which time the project must be
 222.30 completed and final products delivered.

222.31 **Subd. 7. Air Quality, Climate Change, and**
 222.32 **Renewable Energy**

6,205,000

-0-

222.33 **(a) Enhanced Thermo-Active Foundations for**
 222.34 **Space Heating in Minnesota**

- 223.1 \$312,000 the first year is from the trust fund
223.2 to the Board of Regents of the University of
223.3 Minnesota, Duluth, to design and optimize
223.4 cost-competitive thermally enhanced heat
223.5 exchanger systems for use in building
223.6 foundations to improve energy efficiency and
223.7 conservation of natural resources in
223.8 Minnesota's cold climate.
- 223.9 **(b) Storing Renewable Energy in Flow Battery**
223.10 **for Grid Use**
- 223.11 \$2,408,000 the first year is from the trust fund
223.12 to the Board of Regents of the University of
223.13 Minnesota, Morris, to implement a rural,
223.14 community-scale project that demonstrates
223.15 how a large flow battery connected to solar
223.16 and wind generation improves grid stability
223.17 and enhances use of renewable energy.
- 223.18 **(c) Agrivoltaics to Improve the Environment**
223.19 **and Farm Resiliency**
- 223.20 \$646,000 the first year is from the trust fund
223.21 to the Board of Regents of the University of
223.22 Minnesota, West Central Research and
223.23 Outreach Center, Morris, to model and
223.24 evaluate alternative solar energy system
223.25 designs to maximize energy production while
223.26 providing other benefits to cattle and farmers.
- 223.27 **(d) Behavioral Response of Bald Eagles to**
223.28 **Acoustic Stimuli**
- 223.29 \$261,000 the first year is from the trust fund
223.30 to the Board of Regents of the University of
223.31 Minnesota, St. Anthony Falls Laboratory, to
223.32 protect wildlife by designing and
223.33 implementing an acoustic deterrence protocol
223.34 to discourage bald eagles from entering

- 224.1 hazardous air space near wind energy
 224.2 installations.
- 224.3 **(e) Create Jobs Statewide by Diverting Materials**
 224.4 **from Landfills**
- 224.5 \$2,244,000 the first year is from the trust fund
 224.6 to the commissioner of natural resources for
 224.7 agreements with Better Futures Minnesota and
 224.8 the Natural Resources Research Institute to
 224.9 partner with cities, counties, and businesses
 224.10 to create and implement a collection,
 224.11 restoration, reuse, and repurpose program that
 224.12 diverts used household goods and building
 224.13 materials from entering the waste stream and
 224.14 thereby reduces greenhouse gas emissions.
- 224.15 Net income generated by Better Futures
 224.16 Minnesota as part of this appropriation may
 224.17 be reinvested in the project if a plan for
 224.18 reinvestment is approved in the work plan.
- 224.19 **(f) Strengthening Minnesota's Reuse Economy**
 224.20 **to Conserve Natural Resources**
- 224.21 \$334,000 the first year is from the trust fund
 224.22 to the commissioner of natural resources for
 224.23 an agreement with ReUSE Minnesota to
 224.24 provide outreach and technical assistance to
 224.25 communities and small businesses to increase
 224.26 reuse, rental, and repair of consumer goods as
 224.27 an alternative to using new materials; to reduce
 224.28 solid-waste disposal impacts; and to create
 224.29 more local reuse jobs. A fiscal management
 224.30 and staffing plan must be approved in the work
 224.31 plan before any trust fund dollars are spent.
- 224.32 **Subd. 8. Methods to Protect, Restore, and**
 224.33 **Enhance Land, Water, and Habitat**
- 224.34 **(a) Camp Ripley Sentinel Landscape Forest**
 224.35 **Restoration and Enhancements**

6,429,000

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225.1 \$731,000 the first year is from the trust fund
 225.2 to the commissioner of natural resources for
 225.3 an agreement with the Crow Wing Soil and
 225.4 Water Conservation District to partner with
 225.5 the Nature Conservancy and Great River
 225.6 Greening to develop forest stewardship plans,
 225.7 restore habitat, and conduct prescribed burns
 225.8 to advance forest restoration and enhancement
 225.9 on public and private lands within an
 225.10 approximate ten-mile radius around Camp
 225.11 Ripley. Notwithstanding subdivision 13,
 225.12 paragraph (e), this appropriation may be spent
 225.13 on forest management plans, fires, and
 225.14 restoration on lands with a long-term contract
 225.15 commitment for forest conservation. The
 225.16 restoration must follow the Board of Water
 225.17 and Soil Resources' native vegetation
 225.18 establishment and enhancement guidelines.

225.19 **(b) Restoring Mussels in Streams and Lakes -**
 225.20 **Continuation**

225.21 \$619,000 the first year is from the trust fund
 225.22 to the commissioner of natural resources to
 225.23 restore native freshwater mussel assemblages
 225.24 and the ecosystem services they provide in the
 225.25 Mississippi, Cedar, and Cannon Rivers and to
 225.26 inform the public on mussels and mussel
 225.27 conservation.

225.28 **(c) Pollinator Central II: Habitat Improvement**
 225.29 **With Community Monitoring**

225.30 \$631,000 the first year is from the trust fund
 225.31 to the commissioner of natural resources for
 225.32 an agreement with Great River Greening to
 225.33 restore and enhance pollinator habitat in the
 225.34 metropolitan area to benefit pollinators and
 225.35 people and to build knowledge of the impact
 225.36 through community-based monitoring.

226.1 **(d) Preserving Minnesota's Only Ball Cactus**
226.2 **Population**

226.3 \$103,000 the first year is from the trust fund
226.4 to the Board of Regents of the University of
226.5 Minnesota for the Minnesota Landscape
226.6 Arboretum to move the only known remaining
226.7 ball cactus population in the state from private
226.8 to protected land and to propagate and bank
226.9 ball cactus seeds for education and
226.10 preservation.

226.11 **(e) Prescribed-Fire Management for Roadside**
226.12 **Prairies - Phase II**

226.13 \$217,000 the first year is from the trust fund
226.14 to the commissioner of transportation to
226.15 continue to protect biodiversity and enhance
226.16 pollinator habitat on roadsides by helping to
226.17 create a self-sufficient prescribed-fire program
226.18 at the Department of Transportation.

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

226.20 \$193,000 the first year is from the trust fund
226.21 to the commissioner of natural resources for
226.22 an agreement with the American Bird
226.23 Conservancy to restore deciduous forest in
226.24 partnership with Aitkin, Beltrami, and Cass
226.25 Counties using science-based best
226.26 management practices to rejuvenate
226.27 noncommercial stands for focal wildlife
226.28 species.

226.29 **(g) Minnesota Green Schoolyards**

226.30 \$250,000 the first year is from the trust fund
226.31 to the commissioner of natural resources for
226.32 an agreement with The Trust for Public Land
226.33 to assess, promote, and demonstrate how
226.34 schoolyards can be adapted to improve water,
226.35 air, and habitat quality and to foster

227.1 next-generation environmental stewards while
227.2 improving health, education, and community
227.3 outcomes.

227.4 **(h) Plumbing the Muddy Depths of Superior**
227.5 **Hiking Trail**

227.6 \$187,000 the first year is from the trust fund
227.7 to the commissioner of natural resources for
227.8 an agreement with the Superior Hiking Trail
227.9 Association to install and implement water
227.10 management practices to prevent erosion and
227.11 improve access to the Superior Hiking Trail.

227.12 **(i) Reducing Plastic Pollution with**
227.13 **Biodegradable Erosion Control Products**

227.14 \$200,000 the first year is from the trust fund
227.15 to the Agricultural Utilization Research
227.16 Institute in partnership with the Departments
227.17 of Transportation, Agriculture, and Natural
227.18 Resources to demonstrate use of regionally
227.19 grown industrial hemp to create biodegradable
227.20 alternatives to plastic-based erosion and
227.21 sediment control products used in
227.22 transportation construction projects.

227.23 **(j) Remote Sensing and Super-Resolution**
227.24 **Imaging of Microplastics**

227.25 \$309,000 the first year is from the trust fund
227.26 to the Board of Regents of the University of
227.27 Minnesota, St. Anthony Falls Laboratory, to
227.28 develop and test remote sensing techniques
227.29 for cost-effective monitoring of microplastics
227.30 in lakes, rivers, and streams as well as in
227.31 wastewater treatment plants. This
227.32 appropriation is available until June 30, 2025,
227.33 by which time the project must be completed
227.34 and final products delivered.

227.35 **(k) Woodcrest Trail Expansion**

228.1 \$16,000 the first year is from the trust fund to
228.2 the commissioner of natural resources for an
228.3 agreement with Foundation for Health Care
228.4 Continuum, doing business as Country Manor
228.5 Campus, LLC, to construct a trail for public
228.6 recreational use on land owned by the senior
228.7 living facility in central Minnesota.

228.8 **(l) Urban Pollinator and Native American**
228.9 **Cultural Site Restoration**

228.10 \$213,000 the first year is from the trust fund
228.11 to the commissioner of natural resources for
228.12 an agreement with Friends of the Mississippi
228.13 River to restore three urban natural areas,
228.14 including an iconic Native American cultural
228.15 site, to native prairie and forest with a focus
228.16 on important pollinator and culturally
228.17 significant native plants.

228.18 **(m) Demonstrating Real-World Economic and**
228.19 **Soil Benefits of Cover Crops and Alternative**
228.20 **Tillage**

228.21 \$288,000 the first year is from the trust fund
228.22 to the commissioner of natural resources for
228.23 an agreement with Redwood County for the
228.24 Redwood Soil and Water Conservation District
228.25 to increase farmer adoption of conservation
228.26 practices by demonstrating soil improvements
228.27 and cost savings of cover crops and alternative
228.28 tillage compared to conventional practices on
228.29 working farms. This appropriation is available
228.30 until June 30, 2025, by which time the project
228.31 must be completed and final products
228.32 delivered.

228.33 **(n) Creating Cost-Effective Forage and**
228.34 **Management Actions for Pollinators**

228.35 \$198,000 the first year is from the trust fund
228.36 to the Board of Regents of the University of

229.1 Minnesota to evaluate pollinator forage across
229.2 time and in response to burning and mowing
229.3 and to design an open-access web-based tool
229.4 to share these data for land managers across
229.5 Minnesota to inform restoration seed mix
229.6 selection.

229.7 **(o) Shoreline Stabilization, Fishing, and ADA**
229.8 **Improvements at Silverwood Park**

229.9 \$200,000 the first year is from the trust fund
229.10 to the commissioner of natural resources for
229.11 an agreement with the Three Rivers Park
229.12 District to provide water quality improvements
229.13 through shoreline stabilization, shoreline
229.14 fishing improvements, and shoreline ADA
229.15 access on the island in Silver Lake within
229.16 Silverwood Park.

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

229.18 \$993,000 the first year is from the trust fund
229.19 to the Board of Water and Soil Resources to
229.20 provide grants, cost-sharing, and technical
229.21 assistance to plant residential lawns,
229.22 community parks, and school landscapes with
229.23 native vegetation and pollinator-friendly forbs
229.24 and legumes to protect a diversity of
229.25 pollinators. Notwithstanding subdivision 13,
229.26 paragraph (e), this appropriation may be spent
229.27 on pollinator plantings on lands with a
229.28 long-term commitment from the landowner.

229.29 **(q) Reintroducing Bison to Spring Lake Park**
229.30 **Reserve**

229.31 \$560,000 the first year is from the trust fund
229.32 to the commissioner of natural resources for
229.33 an agreement with Dakota County, in
229.34 partnership with the Minnesota Bison
229.35 Conservation Herd, to establish the holding

230.1 facilities and infrastructure needed to
 230.2 reintroduce American plains bison (*Bison*
 230.3 *bison*) to improve the resiliency and
 230.4 biodiversity of the prairie at Spring Lake Park
 230.5 Reserve.

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

230.7 \$521,000 the first year is from the trust fund
 230.8 to the commissioner of natural resources for
 230.9 an agreement with the city of Champlin to
 230.10 conduct habitat and stream restoration in Elm
 230.11 Creek upstream of Mill Ponds.

230.12 **Subd. 9. Land Acquisition, Habitat, and**
 230.13 **Recreation**

32,062,000

-0-

230.14 **(a) Perham to Pelican Rapids Regional Trail**
 230.15 **(McDonald Segment)**

230.16 \$2,245,000 the first year is from the trust fund
 230.17 to the commissioner of natural resources for
 230.18 an agreement with Otter Tail County to
 230.19 construct the McDonald Segment of the
 230.20 Perham to Pelican Rapids Regional Trail to
 230.21 connect the cities of Perham and Pelican
 230.22 Rapids to Maplewood State Park.

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

230.24 \$1,650,000 the first year is from the trust fund
 230.25 to the commissioner of natural resources for
 230.26 an agreement with the St. Louis and Lake
 230.27 Counties Regional Railroad Authority to
 230.28 acquire, engineer, and construct a segment of
 230.29 the Mesabi Trail beginning at the intersection
 230.30 of County State-Aid Highway 88 toward Ely.

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

230.32 \$190,000 the first year is from the trust fund
 230.33 to the commissioner of natural resources for
 230.34 an agreement with Jackson County to create

231.1 a single-track mountain bike trail and expand
 231.2 an associated parking lot in Belmont County
 231.3 Park to address a lack of opportunity for this
 231.4 kind of outdoor recreation in southwest
 231.5 Minnesota.

231.6 **(d) Local Parks, Trails, and Natural Areas**
 231.7 **Grant Programs**

231.8 \$2,250,000 the first year is from the trust fund
 231.9 to the commissioner of natural resources to
 231.10 solicit and rank applications for and fund
 231.11 competitive matching grants for local parks,
 231.12 trail connections, and natural and scenic areas
 231.13 under Minnesota Statutes, section 85.019.
 231.14 Priority must be given to funding projects in
 231.15 the metropolitan area or in other areas of
 231.16 southern Minnesota. For purposes of this
 231.17 paragraph, southern Minnesota is defined as
 231.18 the area of the state south of and including St.
 231.19 Cloud. This appropriation is for local
 231.20 nature-based recreation, connections to
 231.21 regional and state natural areas, and recreation
 231.22 facilities and may not be used for athletic
 231.23 facilities such as sport fields, courts, and
 231.24 playgrounds.

231.25 **(e) Metropolitan Regional Parks System Land**
 231.26 **Acquisition - Phase VII**

231.27 \$2,250,000 the first year is from the trust fund
 231.28 to the Metropolitan Council for grants to
 231.29 acquire land within the approved park
 231.30 boundaries of the metropolitan regional park
 231.31 system. This appropriation must be matched
 231.32 by an equal amount from a combination of
 231.33 Metropolitan Council and local agency funds.

231.34 **(f) Sauk Rapids Lions Park Riverfront**
 231.35 **Improvements**

232.1 \$463,000 the first year is from the trust fund
232.2 to the commissioner of natural resources for
232.3 an agreement with the city of Sauk Rapids to
232.4 design and construct a second phase of
232.5 upgrades to Lions and Southside Parks
232.6 including trails, lighting, riverbank restoration,
232.7 and a canoe and kayak launch to enhance
232.8 access to the Mississippi River.

232.9 **(g) City of Brainerd - Mississippi Landing**
232.10 **Trailhead**

232.11 \$2,850,000 the first year is from the trust fund
232.12 to the commissioner of natural resources for
232.13 an agreement with the city of Brainerd to
232.14 design and construct Mississippi Landing
232.15 Trailhead Park to help connect residents and
232.16 visitors to the Mississippi River through
232.17 recreation, education, and restoration.

232.18 **(h) Native Prairie Stewardship and Prairie Bank**
232.19 **Easement Acquisition**

232.20 \$1,341,000 the first year is from the trust fund
232.21 to the commissioner of natural resources to
232.22 provide technical stewardship assistance to
232.23 private landowners, restore and enhance native
232.24 prairie protected by easements in the native
232.25 prairie bank, and acquire easements for the
232.26 native prairie bank in accordance with
232.27 Minnesota Statutes, section 84.96, including
232.28 preparing initial baseline property assessments.
232.29 Up to \$60,000 of this appropriation may be
232.30 deposited in the natural resources conservation
232.31 easement stewardship account created in
232.32 Minnesota Statutes, section 84.69, proportional
232.33 to the number of easement acres acquired.

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

233.1 \$330,000 the first year is from the trust fund
233.2 to the commissioner of natural resources for
233.3 an agreement with the city of Moose Lake to
233.4 design and construct a nonmotorized
233.5 recreational trail in an off-street pedestrian
233.6 corridor along Highway 73 to connect to
233.7 several existing regional trails in the Moose
233.8 Lake area.

233.9 **(j) SNA Acquisition, Restoration,**
233.10 **Citizen-Science, and Outreach**

233.11 \$3,336,000 the first year is from the trust fund
233.12 to the commissioner of natural resources for
233.13 the scientific and natural areas (SNA) program
233.14 to restore, improve, and enhance wildlife
233.15 habitat on SNAs; increase public involvement
233.16 and outreach; and strategically acquire lands
233.17 that meet criteria for SNAs under Minnesota
233.18 Statutes, section 86A.05, from willing sellers.

233.19 **(k) Precision Acquisition for Restoration,**
233.20 **Groundwater Recharge, and Habitat**

233.21 \$467,000 the first year is from the trust fund
233.22 to the commissioner of natural resources for
233.23 an agreement with the Shell Rock River
233.24 Watershed District to acquire and restore to
233.25 wetland a key parcel of land to reduce
233.26 downstream flooding while providing water
233.27 storage, groundwater recharge, nutrient
233.28 reduction, and pollinator and wildlife habitat.

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

233.30 \$100,000 the first year is from the trust fund
233.31 to the commissioner of natural resources for
233.32 an agreement with Douglas County in
233.33 partnership with the Big Ole Bike Club to
233.34 design and build new expert single-track
233.35 segments and an asphalt pump track for the

234.1 existing trail system at Lake Brophy Park to
234.2 improve outdoor recreation experiences in
234.3 west-central Minnesota.

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

234.5 \$553,000 the first year is from the trust fund
234.6 to the commissioner of natural resources for
234.7 an agreement with Lake County for Veterans
234.8 on the Lake to conduct accessibility upgrades
234.9 to Veterans on the Lake's existing trails,
234.10 roadway, and buildings to improve access to
234.11 the wilderness and outdoor recreation for
234.12 disabled American veterans.

234.13 **(n) Crane Lake Voyageurs National Park Visitor**
234.14 **Center - Continuation**

234.15 \$2,700,000 the first year is from the trust fund
234.16 to the commissioner of natural resources for
234.17 an agreement with the city of Crane Lake to
234.18 design and construct an approximate 4,500 to
234.19 7,000 square-foot visitor center building to
234.20 serve as an access point to Voyageurs National
234.21 Park. A fiscal agent or fiscal management plan
234.22 must be approved in the work plan before any
234.23 trust fund money is spent. A copy of a
234.24 resolution or other documentation of the city's
234.25 commitment to fund operations of the visitor
234.26 center must be included in the work plan
234.27 submitted to the Legislative-Citizen
234.28 Commission on Minnesota Resources.

234.29 **(o) Brookston Campground, Boat Launch, and**
234.30 **Outdoor Recreational Facility Planning**

234.31 \$425,000 the first year is from the trust fund
234.32 to the commissioner of natural resources for
234.33 an agreement with the city of Brookston to
234.34 design a campground, boat launch, and
234.35 outdoor recreation area on the banks of the St.

- 235.1 Louis River in northeastern Minnesota. A
235.2 fiscal agent must be approved in the work plan
235.3 before any trust fund dollars are spent.
- 235.4 **(p) Moose and Seven Beaver Multiuse Trails**
235.5 **Upgrade**
- 235.6 \$900,000 the first year is from the trust fund
235.7 to the commissioner of natural resources for
235.8 an agreement with the city of Hoyt Lakes, in
235.9 partnership with the Ranger Snowmobile and
235.10 ATV Club, to design and construct upgrades
235.11 and extensions to the Moose and Seven Beaver
235.12 multiuse trails to enhance access for recreation
235.13 use and connect to regional trails.
- 235.14 **(q) Above the Falls Regional Park Acquisition**
- 235.15 \$950,000 the first year is from the trust fund
235.16 to the commissioner of natural resources for
235.17 an agreement with the Minneapolis Parks and
235.18 Recreation Board to develop a restoration plan
235.19 and acquire approximately 3.25 acres of
235.20 industrial land for public access and habitat
235.21 connectivity along the Mississippi River as
235.22 part of Above the Falls Regional Park.
- 235.23 **(r) Silver Lake Trail Improvement Project**
- 235.24 \$1,071,000 the first year is from the trust fund
235.25 to the commissioner of natural resources for
235.26 an agreement with the city of Virginia to
235.27 reconstruct and renovate the walking trail
235.28 around Silver Lake to allow safe multimodal
235.29 transportation between schools, parks,
235.30 community recreation facilities, and other
235.31 community activity centers in downtown
235.32 Virginia.
- 235.33 **(s) Minnesota State Trails Development**

236.1 \$4,266,000 the first year is from the trust fund
236.2 to the commissioner of natural resources to
236.3 expand recreational opportunities on
236.4 Minnesota state trails by rehabilitating and
236.5 enhancing existing state trails and replacing
236.6 or repairing existing state trail bridges. Priority
236.7 must be given to funding projects in the
236.8 metropolitan area or in other areas of southern
236.9 Minnesota. For purposes of this paragraph,
236.10 southern Minnesota is defined as the area of
236.11 the state south of and including St. Cloud.

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

236.13 \$825,000 the first year is from the trust fund
236.14 to the commissioner of natural resources for
236.15 an agreement with the city of St. Cloud to
236.16 reroute and upgrade an existing stormwater
236.17 system in the Highbanks Ravine area to
236.18 improve an existing bat hibernaculum, reduce
236.19 erosion, and create additional green space for
236.20 wildlife habitat.

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

236.22 \$2,560,000 the first year is from the trust fund
236.23 to the commissioner of natural resources to
236.24 acquire high-priority inholdings from willing
236.25 sellers within the legislatively authorized
236.26 boundaries of state parks, recreation areas, and
236.27 trails to protect Minnesota's natural heritage,
236.28 enhance outdoor recreation, and improve the
236.29 efficiency of public land management.

236.30 **(v) Accessible Fishing Piers and Shore Fishing**
236.31 **Areas**

236.32 \$340,000 the first year is from the trust fund
236.33 to the commissioner of natural resources to
236.34 provide accessible fishing piers and develop
236.35 shore fishing sites to serve new angling

- 237.1 communities, underserved populations, and
 237.2 anglers with disabilities.
- 237.3 **Subd. 10. Administrative and Emerging Issues** 2,120,000 -0-
- 237.4 **(a) Contract Agreement Reimbursement**
- 237.5 \$135,000 the first year is from the trust fund
 237.6 to the commissioner of natural resources, at
 237.7 the direction of the Legislative-Citizen
 237.8 Commission on Minnesota Resources, for
 237.9 expenses incurred in preparing and
 237.10 administering contracts for the agreements
 237.11 specified in this section. The commissioner
 237.12 must provide documentation to the
 237.13 Legislative-Citizen Commission on Minnesota
 237.14 Resources on the expenditure of these funds.
- 237.15 **(b) Legislative-Citizen Commission on**
 237.16 **Minnesota Resources (LCCMR) Administration**
- 237.17 \$1,750,000 the first year is from the trust fund
 237.18 to the Legislative-Citizen Commission on
 237.19 Minnesota Resources for administration in
 237.20 fiscal years 2022 and 2023 as provided in
 237.21 Minnesota Statutes, section 116P.09,
 237.22 subdivision 5. This appropriation is available
 237.23 until June 30, 2023. Notwithstanding
 237.24 Minnesota Statutes, section 116P.11,
 237.25 paragraph (b), Minnesota Statutes, section
 237.26 16A.281, applies to this appropriation.
- 237.27 **(c) Emerging Issues Account**
- 237.28 \$233,000 the first year is from the trust fund
 237.29 to an emerging issues account authorized in
 237.30 Minnesota Statutes, section 116P.08,
 237.31 subdivision 4, paragraph (d).
- 237.32 **(d) Legislative Coordinating Commission (LCC)**
 237.33 **Administration**

238.1 \$2,000 the first year is from the trust fund to
238.2 the Legislative Coordinating Commission for
238.3 the website required in Minnesota Statutes,
238.4 section 3.303, subdivision 10.

238.5 **Subd. 11. Availability of Appropriations**

238.6 Money appropriated in this section may not
238.7 be spent on activities unless they are directly
238.8 related to and necessary for a specific
238.9 appropriation and are specified in the work
238.10 plan approved by the Legislative-Citizen
238.11 Commission on Minnesota Resources. Money
238.12 appropriated in this section must not be spent
238.13 on indirect costs or other institutional overhead
238.14 charges that are not directly related to and
238.15 necessary for a specific appropriation. Costs
238.16 that are directly related to and necessary for
238.17 an appropriation, including financial services,
238.18 human resources, information services, rent,
238.19 and utilities, are eligible only if the costs can
238.20 be clearly justified and individually
238.21 documented specific to the appropriation's
238.22 purpose and would not be generated by the
238.23 recipient but for receipt of the appropriation.
238.24 No broad allocations for costs in either dollars
238.25 or percentages are allowed. Unless otherwise
238.26 provided, the amounts in this section are
238.27 available until June 30, 2024, when projects
238.28 must be completed and final products
238.29 delivered. For acquisition of real property, the
238.30 appropriations in this section are available for
238.31 an additional fiscal year if a binding contract
238.32 for acquisition of the real property is entered
238.33 into before the expiration date of the
238.34 appropriation. If a project receives a federal

- 239.1 grant, the period of the appropriation is
239.2 extended to equal the federal grant period.
- 239.3 **Subd. 12. Data Availability Requirements**
- 239.4 Data collected by the projects funded under
239.5 this section must conform to guidelines and
239.6 standards adopted by Minnesota IT Services.
239.7 Spatial data must also conform to additional
239.8 guidelines and standards designed to support
239.9 data coordination and distribution that have
239.10 been published by the Minnesota Geospatial
239.11 Information Office. Descriptions of spatial
239.12 data must be prepared as specified in the state's
239.13 geographic metadata guideline and must be
239.14 submitted to the Minnesota Geospatial
239.15 Information Office. All data must be
239.16 accessible and free to the public unless made
239.17 private under the Data Practices Act,
239.18 Minnesota Statutes, chapter 13. To the extent
239.19 practicable, summary data and results of
239.20 projects funded under this section should be
239.21 readily accessible on the Internet and
239.22 identified as having received funding from the
239.23 environment and natural resources trust fund.
- 239.24 **Subd. 13. Project Requirements**
- 239.25 (a) As a condition of accepting an
239.26 appropriation under this section, an agency or
239.27 entity receiving an appropriation or a party to
239.28 an agreement from an appropriation must
239.29 comply with paragraphs (b) to (l) and
239.30 Minnesota Statutes, chapter 116P, and must
239.31 submit a work plan and annual or semiannual
239.32 progress reports in the form determined by the
239.33 Legislative-Citizen Commission on Minnesota
239.34 Resources for any project funded in whole or
239.35 in part with funds from the appropriation.

240.1 Modifications to the approved work plan and
240.2 budget expenditures must be made through
240.3 the amendment process established by the
240.4 Legislative-Citizen Commission on Minnesota
240.5 Resources.

240.6 (b) A recipient of money appropriated in this
240.7 section that conducts a restoration using funds
240.8 appropriated in this section must use native
240.9 plant species according to the Board of Water
240.10 and Soil Resources' native vegetation
240.11 establishment and enhancement guidelines
240.12 and include an appropriate diversity of native
240.13 species selected to provide habitat for
240.14 pollinators throughout the growing season as
240.15 required under Minnesota Statutes, section
240.16 84.973.

240.17 (c) For all restorations conducted with money
240.18 appropriated under this section, a recipient
240.19 must prepare an ecological restoration and
240.20 management plan that, to the degree
240.21 practicable, is consistent with the
240.22 highest-quality conservation and ecological
240.23 goals for the restoration site. Consideration
240.24 should be given to soil, geology, topography,
240.25 and other relevant factors that would provide
240.26 the best chance for long-term success and
240.27 durability of the restoration project. The plan
240.28 must include the proposed timetable for
240.29 implementing the restoration, including site
240.30 preparation, establishment of diverse plant
240.31 species, maintenance, and additional
240.32 enhancement to establish the restoration;
240.33 identify long-term maintenance and
240.34 management needs of the restoration and how
240.35 the maintenance, management, and

- 241.1 enhancement will be financed; and take
241.2 advantage of the best-available science and
241.3 include innovative techniques to achieve the
241.4 best restoration.
- 241.5 (d) An entity receiving an appropriation in this
241.6 section for restoration activities must provide
241.7 an initial restoration evaluation at the
241.8 completion of the appropriation and an
241.9 evaluation three years after the completion of
241.10 the expenditure. Restorations must be
241.11 evaluated relative to the stated goals and
241.12 standards in the restoration plan, current
241.13 science, and, when applicable, the Board of
241.14 Water and Soil Resources' native vegetation
241.15 establishment and enhancement guidelines.
241.16 The evaluation must determine whether the
241.17 restorations are meeting planned goals,
241.18 identify any problems with implementing the
241.19 restorations, and, if necessary, give
241.20 recommendations on improving restorations.
241.21 The evaluation must be focused on improving
241.22 future restorations.
- 241.23 (e) All restoration and enhancement projects
241.24 funded with money appropriated in this section
241.25 must be on land permanently protected by a
241.26 conservation easement or public ownership.
- 241.27 (f) A recipient of money from an appropriation
241.28 under this section must give consideration to
241.29 contracting with Conservation Corps
241.30 Minnesota for contract restoration and
241.31 enhancement services.
- 241.32 (g) All conservation easements acquired with
241.33 money appropriated under this section must:
- 241.34 (1) be permanent;

- 242.1 (2) specify the parties to an easement in the
242.2 easement;
- 242.3 (3) specify all provisions of an agreement that
242.4 are permanent;
- 242.5 (4) be sent to the Legislative-Citizen
242.6 Commission on Minnesota Resources in an
242.7 electronic format at least ten business days
242.8 before closing;
- 242.9 (5) include a long-term monitoring and
242.10 enforcement plan and funding for monitoring
242.11 and enforcing the easement agreement; and
- 242.12 (6) include requirements in the easement
242.13 document to protect the quantity and quality
242.14 of groundwater and surface water through
242.15 specific activities such as keeping water on
242.16 the landscape, reducing nutrient and
242.17 contaminant loading, and not permitting
242.18 artificial hydrological modifications.
- 242.19 (h) For any acquisition of lands or interest in
242.20 lands, a recipient of money appropriated under
242.21 this section must not agree to pay more than
242.22 100 percent of the appraised value for a parcel
242.23 of land using this money to complete the
242.24 purchase, in part or in whole, except that up
242.25 to ten percent above the appraised value may
242.26 be allowed to complete the purchase, in part
242.27 or in whole, using this money if permission is
242.28 received in advance of the purchase from the
242.29 Legislative-Citizen Commission on Minnesota
242.30 Resources.
- 242.31 (i) For any acquisition of land or interest in
242.32 land, a recipient of money appropriated under
242.33 this section must give priority to high-quality

243.1 natural resources or conservation lands that
243.2 provide natural buffers to water resources.

243.3 (j) For new lands acquired with money
243.4 appropriated under this section, a recipient
243.5 must prepare an ecological restoration and
243.6 management plan in compliance with
243.7 paragraph (c), including sufficient funding for
243.8 implementation unless the work plan addresses
243.9 why a portion of the money is not necessary
243.10 to achieve a high-quality restoration.

243.11 (k) To ensure public accountability for using
243.12 public funds, a recipient of money
243.13 appropriated under this section must, within
243.14 60 days of the transaction, provide to the
243.15 Legislative-Citizen Commission on Minnesota
243.16 Resources documentation of the selection
243.17 process used to identify parcels acquired and
243.18 provide documentation of all related
243.19 transaction costs, including but not limited to
243.20 appraisals, legal fees, recording fees,
243.21 commissions, other similar costs, and
243.22 donations. This information must be provided
243.23 for all parties involved in the transaction. The
243.24 recipient must also report to the
243.25 Legislative-Citizen Commission on Minnesota
243.26 Resources any difference between the
243.27 acquisition amount paid to the seller and the
243.28 state-certified or state-reviewed appraisal, if
243.29 a state-certified or state-reviewed appraisal
243.30 was conducted.

243.31 (l) A recipient of an appropriation from the
243.32 trust fund under this section must acknowledge
243.33 financial support from the environment and
243.34 natural resources trust fund in project
243.35 publications, signage, and other public

244.1 communications and outreach related to work
244.2 completed using the appropriation.
244.3 Acknowledgment may occur, as appropriate,
244.4 through use of the trust fund logo or inclusion
244.5 of language attributing support from the trust
244.6 fund. Each direct recipient of money
244.7 appropriated in this section, as well as each
244.8 recipient of a grant awarded pursuant to this
244.9 section, must satisfy all reporting and other
244.10 requirements incumbent upon constitutionally
244.11 dedicated funding recipients as provided in
244.12 Minnesota Statutes, section 3.303, subdivision
244.13 10, and chapter 116P.

244.14 (m) A recipient of an appropriation from the
244.15 trust fund under this section that is receiving
244.16 funding to conduct children's services, as
244.17 defined in Minnesota Statutes, section
244.18 299C.61, subdivision 7, must certify to the
244.19 commission, as part of the required work plan,
244.20 that it performs criminal background checks
244.21 for background check crimes, as defined in
244.22 Minnesota Statutes, section 299C.61,
244.23 subdivision 2, on all employees, contractors,
244.24 and volunteers that have or may have access
244.25 to a child to whom the recipient provides
244.26 children's services using the appropriation.

244.27 **Subd. 14. Payment Conditions and**
244.28 **Capital-Equipment Expenditures**

244.29 (a) All agreements, grants, or contracts
244.30 referred to in this section must be administered
244.31 on a reimbursement basis unless otherwise
244.32 provided in this section. Notwithstanding
244.33 Minnesota Statutes, section 16A.41,
244.34 expenditures made on or after July 1, 2021,
244.35 or the date the work plan is approved,

245.1 whichever is later, are eligible for
245.2 reimbursement unless otherwise provided in
245.3 this section. Periodic payments must be made
245.4 upon receiving documentation that the
245.5 deliverable items articulated in the approved
245.6 work plan have been achieved, including
245.7 partial achievements as evidenced by approved
245.8 progress reports. Reasonable amounts may be
245.9 advanced to projects to accommodate
245.10 cash-flow needs or match federal money. The
245.11 advances must be approved as part of the work
245.12 plan. No expenditures for capital equipment
245.13 are allowed unless expressly authorized in the
245.14 project work plan.

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

245.17 **Subd. 15. Purchasing Recycled and Recyclable**
245.18 **Materials**

245.19 A political subdivision, public or private
245.20 corporation, or other entity that receives an
245.21 appropriation under this section must use the
245.22 appropriation in compliance with Minnesota
245.23 Statutes, section 16C.0725, regarding
245.24 purchasing recycled, repairable, and durable
245.25 materials and Minnesota Statutes, section
245.26 16C.073, regarding purchasing and using
245.27 paper stock and printing.

245.28 **Subd. 16. Energy Conservation and Sustainable**
245.29 **Building Guidelines**

245.30 A recipient to whom an appropriation is made
245.31 under this section for a capital improvement
245.32 project must ensure that the project complies
245.33 with the applicable energy conservation and
245.34 sustainable building guidelines and standards
245.35 contained in law, including Minnesota

246.1 Statutes, sections 16B.325, 216C.19, and
246.2 216C.20, and rules adopted under those
246.3 sections. The recipient may use the energy
246.4 planning, advocacy, and State Energy Office
246.5 units of the Department of Commerce to
246.6 obtain information and technical assistance
246.7 on energy conservation and alternative-energy
246.8 development relating to planning and
246.9 constructing the capital improvement project.

246.10 **Subd. 17. Accessibility**

246.11 Structural and nonstructural facilities must
246.12 meet the design standards in the Americans
246.13 with Disabilities Act (ADA) accessibility
246.14 guidelines.

246.15 **Subd. 18. Carryforward; Extension**

246.16 (a) Notwithstanding Minnesota Statutes,
246.17 section 16A.28, or any other law to the
246.18 contrary, the availability of any appropriation
246.19 or grant of money from the environment and
246.20 natural resources trust fund that would
246.21 otherwise cancel, lapse, or expire on June 30,
246.22 2021, is extended to June 30, 2022, if the
246.23 recipient or grantee does both of the following:

246.24 (1) by April 30, 2021, notifies the
246.25 Legislative-Citizen Commission on Minnesota
246.26 Resources in the manner specified by the
246.27 commission that the recipient or grantee
246.28 intends to avail itself of the extension available
246.29 under this section; and

246.30 (2) modifies the applicable work plan where
246.31 required by Minnesota Statutes, section
246.32 116P.05, subdivision 2, in accordance with
246.33 the work plan amendment procedures adopted
246.34 under that section.

247.1 (b) The commission must notify the
247.2 commissioner of management and budget and
247.3 the commissioner of natural resources of any
247.4 extension granted under this section.

247.5 **Subd. 19. Transfers; Natural Resources Research**
247.6 **Institute**

247.7 (a) The following amounts, totaling \$840,000,
247.8 are transferred to the Board of Regents of the
247.9 University of Minnesota for academic and
247.10 applied research through the MnDRIVE
247.11 program at the Natural Resources Research
247.12 Institute to develop and demonstrate
247.13 technologies that enhance the long-term health
247.14 and management of Minnesota's forest
247.15 resources, extend the viability of incumbent
247.16 forest-based industries, and accelerate
247.17 emerging industry opportunities. Of this
247.18 amount, \$500,000 is for extending the
247.19 demonstrated forest management assessment
247.20 tool to statewide application:

247.21 (1) the unencumbered amount, estimated to
247.22 be \$250,000, in Laws 2017, chapter 96,
247.23 section 2, subdivision 7, paragraph (e),
247.24 Geotargeted Distributed Clean Energy
247.25 Initiative;

247.26 (2) the unencumbered amount, estimated to
247.27 be \$20,000, in Laws 2017, chapter 96, section
247.28 2, subdivision 8, paragraph (g), Minnesota
247.29 Bee and Beneficial Species Habitat
247.30 Restoration;

247.31 (3) the unencumbered amount, estimated to
247.32 be \$350,000, in Laws 2018, chapter 214,
247.33 article 4, section 2, subdivision 9, paragraph
247.34 (e), Swedish Immigrant Regional Trail
247.35 Segment within Interstate State Park; and

248.1 (4) the unencumbered amount, estimated to
248.2 be \$220,000, in Laws 2019, First Special
248.3 Session chapter 4, article 2, section 2,
248.4 subdivision 5, paragraph (a), Expanding Camp
248.5 Sunrise Environmental Program.

248.6 (b) The amounts transferred under this
248.7 subdivision are available until June 30, 2023.

248.8 **EFFECTIVE DATE.** Subdivisions 18 and 19 are effective the day following final
248.9 enactment.