

CHAPTER 6--S.F.No. 20

An act relating to state government; appropriating money for environment, natural resources, and tourism; appropriating money from environment and natural resources trust fund; modifying fees and programs; modifying disposition and expenditure of certain funds; creating accounts; authorizing sales and conveyances of certain state land; adding to and deleting from state parks and recreation areas; modifying state land and school trust land provisions; modifying forestry provisions; modifying aquaculture provisions; modifying game and fish laws; modifying Water Law; modifying natural resource and environment provisions; prohibiting PFAS in food packaging; providing for DUI conformity for operating recreational vehicles; requiring rulemaking; requiring reports; making technical corrections; amending Minnesota Statutes 2020, sections 16B.335, subdivision 2; 17.4982, subdivisions 6, 8, 9, 12, by adding subdivisions; 17.4985, subdivisions 2, 3, 5; 17.4986, subdivisions 2, 4; 17.4991, subdivision 3; 17.4992, subdivision 2; 17.4993, subdivision 1; 35.155, subdivision 7, by adding a subdivision; 84.027, subdivisions 13a, 18; 84.415, by adding a subdivision; 84.63; 84.631; 84.795, subdivision 5; 84.82, subdivisions 1a, 7a; 84.83, subdivision 5; 84.943, subdivisions 3, 5; 84.944, subdivision 1; 84.946, subdivision 4; 84D.11, subdivision 1a; 85.019, by adding a subdivision; 85.052, subdivisions 1, 2, 6, by adding a subdivision; 85.053, subdivision 2, by adding a subdivision; 85.054, subdivision 1; 85.43; 85.47; 86B.705, subdivision 2; 89.021, by adding a subdivision; 89.17; 89.37, subdivision 3; 89A.11; 92.50, by adding a subdivision; 92.502; 94.3495, subdivision 3; 97A.065, subdivision 2; 97A.075, subdivisions 1, 7; 97A.126, by adding a subdivision; 97A.401, subdivision 1, by adding a subdivision; 97A.421, subdivision 1, by adding a subdivision; 97A.475, subdivisions 2, 3, 3a, 4; 97A.505, subdivisions 3b, 8; 97B.022, by adding a subdivision; 97B.036; 97B.055, subdivision 2; 97B.086; 97B.715, subdivision 1; 97B.801; 97B.811, subdivision 4a; 97C.005, subdivision 3; 97C.081, subdivisions 3, 3a; 97C.342, subdivision 2; 97C.401, by adding a subdivision; 97C.605, subdivision 3; 97C.611; 97C.805, subdivision 2; 97C.836; 103C.315, subdivision 4; 103G.271, subdivision 4a, by adding a subdivision; 103G.401; 115A.1310, subdivision 12b; 115A.1312, subdivision 1; 115A.1314, subdivision 1; 115A.1316, subdivision 1; 115A.1318, subdivision 2; 115A.1320, subdivision 1; 115A.5501, subdivision 3; 115A.565, subdivision 1; 115B.17, subdivision 13; 115B.406, subdivisions 1, 9; 115B.407; 115B.421; 116.07, subdivision 7, by adding a subdivision; 116G.07, by adding a subdivision; 116G.15, by adding a subdivision; 127A.353, subdivision 4; 169A.20, subdivision 1; 169A.52, by adding a subdivision; 169A.54, by adding a subdivision; 171.306, by adding a subdivision; 290C.01; 290C.04; Laws 2016, chapter 154, sections 16; 48; Laws 2016, chapter 189, article 3, section 3, subdivision 5; Laws 2017, chapter 96, section 2, subdivision 9, as amended; Laws 2018, chapter 214, article 4, section 2, subdivision 6; Laws 2019, First Special Session chapter 4, article 1, sections 2, subdivision 9; 3, subdivisions 4, 5; article 3, section 109, as amended; proposing coding for new law in Minnesota Statutes, chapters 84; 86B; 92; 103F; 103G; 171; 325F; repealing Minnesota Statutes 2020, sections 84.91, subdivision 1; 85.0505, subdivision 3; 85.0507; 85.054, subdivision 19; 86B.331, subdivision 1; 169A.20, subdivisions 1a, 1b, 1c; Minnesota Rules, part 7044.0350.

ARTICLE 6

ENVIRONMENT AND NATURAL RESOURCES TRUST FUND FISCAL YEAR 2022

Section 1. **APPROPRIATIONS.**

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

APPROPRIATIONS
Available for the Year
Ending June 30
2022 **2023**

Sec. 2. **MINNESOTA RESOURCES**

<u>Subdivision 1. Total Appropriation</u>	<u>\$</u>	<u>70,881,000</u>	<u>\$</u>	<u>-0-</u>
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The amounts that may be spent for each purpose are specified in the following subdivisions. Appropriations in the first year are available for three years beginning July 1, 2021, unless otherwise stated in the appropriation. Any unencumbered balance remaining in the first year does not cancel and is available for the second year or until the end of the appropriation.

Subd. 2. **Definition**

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

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

		<u>10,459,000</u>		<u>-0-</u>
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(a) What's Bugging Minnesota's Insect-Eating Birds?

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

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

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

(c) County Groundwater Atlas

\$1,875,000 the first year is from the trust fund to the commissioner of natural resources to continue producing county groundwater atlases to inform management of surface water and groundwater resources for drinking and other purposes. This appropriation is for Part B, to characterize the potential water yields of aquifers and aquifers' sensitivity to contamination.

(d) Improving Resiliency and Conservation Outcomes for Minnesota Turtles

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

(e) Minnesota Biological Survey

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

(f) Groundwater Contamination Mapping Project - Phase II

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

(g) Geologic Atlases for Water Resource Management

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

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

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

(i) Collaborative State and Tribal Wild Rice Monitoring Program

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

(j) Morrison County Performance Drainage and Hydrology Management II

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

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

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

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

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

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

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

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

\$305,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to

improve wildlife conservation efforts by using passive acoustic monitoring devices to determine statewide distribution and reproduction of red-headed woodpeckers and developing a protocol for future use of this technology to monitor population trends and responses to habitat management. This appropriation is available until June 30, 2025, by which time the project must be completed and final products delivered.

Subd. 4. Water Resources

4,771,000

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(a) Trout Stream Habitat Restoration Success

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

(b) Novel Nutrient Recovery Process from Wastewater Treatment Plants

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

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

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

(d) Microgeographic Impact of Antibiotics Released from Identified Hotspots

\$508,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to inform protection of environmental, animal, and human

health from proliferation of antibiotic resistance by quantifying and mapping the extent of antibiotic spread in waters and soils from locations identified as release hot spots.

(e) Sustainable Irrigation Management: Expanding a Web Application

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

(f) Assessing Membrane Bioreactor Wastewater Treatment Efficacy

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

(g) Evaluating Coronavirus and Other Microbiological Contamination of Drinking Water Sources from Wastewater

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

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

\$259,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Aurora to install sampling wells and conduct a study to determine appropriate mitigation of the abandoned St. James pit mine to protect surface

and drinking water and prevent harm to homes and residents.

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

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

(j) Antibiotic Resistance and Wastewater Treatment: Problems and Solutions

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

Subd. 5. Environmental Education

2,687,000

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(a) Increasing Outdoor Learning for Young Minnesotans

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

(b) Pollinator Education in the Science Classroom

\$366,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to educate approximately 5,000 students about pollinator conservation by providing professional development for science teachers to integrate pollinator education

curriculum and materials into their classrooms and by evaluating the program to improve its effectiveness.

(c) Minnesota Freshwater Quest: Environmental Education for Youth

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

(d) Minnesota Master Naturalist: Nature for New Minnesotans

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

(e) The Voyageurs Classroom Initiative

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

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

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

(g) Expanding Access to Environmental Education for Underserved Communities

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

Subd. 6. Aquatic and Terrestrial Invasive Species6,148,000-0-**(a) Starch Allocation Patterns of Invasive Starry Stonewort Harvested from Lake Koronis**

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

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

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

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

\$423,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Morrison Soil and Water Conservation District

to continue to eradicate the northernmost occurrences of oak wilt in the state through mechanical means on select private properties to prevent oak wilt's spread to healthy state forests.

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

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

(e) Building Knowledge and Capacity for AIS Solutions

\$3,750,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota for the Minnesota Aquatic Invasive Species Research Center to conduct high-priority projects aimed at solving Minnesota's aquatic invasive species problems using rigorous science and a collaborative process. Additionally, the appropriation may be spent to deliver research findings to end users through strategic communication and outreach. This appropriation is available until June 30, 2025, by which time the project must be completed and final products delivered.

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

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

(g) Stop Starry Invasion with Community Invasive Species Containment

\$1,000,000 the first year is from the trust fund to the commissioner of natural resources for an agreement

with Minnesota Lakes and Rivers Advocates to work with civic leaders to purchase, install, and operate waterless cleaning stations for watercraft; conduct aquatic invasive species education; and implement education upgrades at public accesses to prevent invasive starry stonewort spread beyond the 16 lakes already infested. This appropriation is available until June 30, 2025, by which time the project must be completed and final products delivered.

Subd. 7. Air Quality, Climate Change, and Renewable Energy

6,205,000

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

\$312,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota, Duluth, to design and optimize cost-competitive thermally enhanced heat exchanger systems for use in building foundations to improve energy efficiency and conservation of natural resources in Minnesota's cold climate.

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

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

(c) Agrivoltaics to Improve the Environment and Farm Resiliency

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

(d) Behavioral Response of Bald Eagles to Acoustic Stimuli

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

(e) Create Jobs Statewide by Diverting Materials from Landfills

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

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

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

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

6,429,000

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(a) Camp Ripley Sentinel Landscape Forest Restoration and Enhancements

\$731,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Crow Wing Soil and Water Conservation District to partner with the Nature Conservancy and Great River Greening to develop forest stewardship

plans, restore habitat, and conduct prescribed burns to advance forest restoration and enhancement on public and private lands within an approximate ten-mile radius around Camp Ripley. Notwithstanding subdivision 13, paragraph (e), this appropriation may be spent on forest management plans, fires, and restoration on lands with a long-term contract commitment for forest conservation. The restoration must follow the Board of Water and Soil Resources' native vegetation establishment and enhancement guidelines.

(b) Restoring Mussels in Streams and Lakes - Continuation

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

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

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

(d) Preserving Minnesota's Only Ball Cactus Population

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

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

\$217,000 the first year is from the trust fund to the commissioner of transportation to continue to protect biodiversity and enhance pollinator habitat on roadsides by helping to create a self-sufficient

prescribed-fire program at the Department of Transportation.

(f) Restoring Upland Forests for Birds

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

(g) Minnesota Green Schoolyards

\$250,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with The Trust for Public Land to assess, promote, and demonstrate how schoolyards can be adapted to improve water, air, and habitat quality and to foster next-generation environmental stewards while improving health, education, and community outcomes.

(h) Plumbing the Muddy Depths of Superior Hiking Trail

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

(i) Reducing Plastic Pollution with Biodegradable Erosion Control Products

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

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

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

(k) Woodcrest Trail Expansion

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

(l) Urban Pollinator and Native American Cultural Site Restoration

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

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

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

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

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

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

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

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

(p) Lawns to Legumes Program - Phase II

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

(q) Reintroducing Bison to Spring Lake Park Reserve

\$560,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Dakota County, in partnership with the Minnesota Bison Conservation Herd, to establish the holding facilities and infrastructure needed to reintroduce American plains bison (*Bison bison*) to improve the resiliency and biodiversity of the prairie at Spring Lake Park Reserve.

(r) Elm Creek Habitat Restoration Final Phase

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

Subd. 9. Land Acquisition, Habitat, and Recreation32,062,000-0-**(a) Perham to Pelican Rapids Regional Trail (McDonald Segment)**

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

(b) Mesabi Trail CSAH 88 to Ely

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

(c) Southwest Minnesota Single-Track Trail

\$190,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Jackson County to create a single-track mountain bike trail and expand an associated parking lot in Belmont County Park to address a lack of opportunity for this kind of outdoor recreation in southwest Minnesota.

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

\$2,250,000 the first year is from the trust fund to the commissioner of natural resources to solicit and rank applications for and fund competitive matching grants for local parks, trail connections, and natural and scenic areas under Minnesota Statutes, section 85.019. Priority must be given to funding projects in the metropolitan area or in other areas of southern Minnesota. For purposes of this paragraph, southern Minnesota is defined as the area of the state south of and including St. Cloud. This appropriation is for local nature-based recreation, connections to regional and state natural areas, and recreation facilities and may

not be used for athletic facilities such as sport fields, courts, and playgrounds.

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

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

(f) Sauk Rapids Lions Park Riverfront Improvements

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

(g) City of Brainerd - Mississippi Landing Trailhead

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

(h) Native Prairie Stewardship and Prairie Bank Easement Acquisition

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

(i) Moose Lake - Trunk Highway 73 Trail

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

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

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

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

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

(l) Lake Brophy Single-Track Trail Expansion

\$100,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Douglas County in partnership with the Big Ole Bike Club to design and build new expert single-track segments and an asphalt pump track for the existing trail system at Lake Brophy Park to improve outdoor recreation experiences in west-central Minnesota.

(m) Veterans on the Lake

\$553,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Lake County for Veterans on the Lake to conduct accessibility upgrades to Veterans on the Lake's existing trails, roadway, and buildings to improve

access to the wilderness and outdoor recreation for disabled American veterans.

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

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

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

\$425,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Brookston to design a campground, boat launch, and outdoor recreation area on the banks of the St. Louis River in northeastern Minnesota. A fiscal agent must be approved in the work plan before any trust fund dollars are spent.

(p) Moose and Seven Beaver Multiuse Trails Upgrade

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

(q) Above the Falls Regional Park Acquisition

\$950,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Minneapolis Parks and Recreation Board to develop a restoration plan and acquire approximately 3.25 acres of industrial land for public access and

habitat connectivity along the Mississippi River as part of Above the Falls Regional Park.

(r) Silver Lake Trail Improvement Project

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

(s) Minnesota State Trails Development

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

(t) Highbanks Ravine Bat Hibernaculum Project

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

(u) State Parks and State Trails Inholdings

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

(v) Accessible Fishing Piers and Shore Fishing Areas

\$340,000 the first year is from the trust fund to the commissioner of natural resources to provide accessible fishing piers and develop shore fishing sites to serve new angling communities, underserved populations, and anglers with disabilities.

Subd. 10. Administrative and Emerging Issues

2,120,000

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(a) Contract Agreement Reimbursement

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

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

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

(c) Emerging Issues Account

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

(d) Legislative Coordinating Commission (LCC) Administration

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

Subd. 11. Availability of Appropriations

Money appropriated in this section may not be spent on activities unless they are directly related to and necessary for a specific appropriation and are specified in the work plan approved by the Legislative-Citizen Commission on Minnesota Resources. Money appropriated in this section must not be spent on indirect costs or other institutional overhead charges that are not directly related to and necessary for a specific appropriation. Costs that are directly related to and necessary for an appropriation, including financial services, human resources, information services, rent, and utilities, are eligible only if the costs can be clearly justified and individually documented specific to the appropriation's purpose and would not be generated by the recipient but for receipt of the appropriation. No broad allocations for costs in either dollars or percentages are allowed. Unless otherwise provided, the amounts in this section are available until June 30, 2024, when projects must be completed and final products delivered. For acquisition of real property, the appropriations in this section are available for an additional fiscal year if a binding contract for acquisition of the real property is entered into before the expiration date of the appropriation. If a project receives a federal grant, the period of the appropriation is extended to equal the federal grant period.

Subd. 12. Data Availability Requirements

Data collected by the projects funded under this section must conform to guidelines and standards adopted by Minnesota IT Services. Spatial data must also conform to additional guidelines and standards designed to support data coordination and distribution that have been published by the Minnesota Geospatial Information Office. Descriptions of spatial data must be prepared as specified in the state's geographic metadata guideline and must be submitted to the Minnesota Geospatial Information Office. All data must be accessible and free to the public unless made private under the Data Practices Act, Minnesota Statutes, chapter 13. To the extent practicable, summary data and results of projects funded under this section should be readily accessible on the Internet and identified as having received funding from the environment and natural resources trust fund.

Subd. 13. Project Requirements

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

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

(c) For all restorations conducted with money appropriated under this section, a recipient must prepare an ecological restoration and management plan that, to the degree practicable, is consistent with the highest-quality conservation and ecological goals for the restoration site. Consideration should be given to soil, geology, topography, and other relevant factors that would provide the best chance for long-term success and durability of the restoration project. The plan must include the proposed timetable for implementing the restoration, including site preparation, establishment of diverse plant species, maintenance, and additional enhancement to establish the restoration; identify long-term maintenance and management needs of the restoration and how the maintenance, management, and enhancement will be financed; and take advantage of the best-available science and include innovative techniques to achieve the best restoration.

(d) An entity receiving an appropriation in this section for restoration activities must provide an initial

restoration evaluation at the completion of the appropriation and an evaluation three years after the completion of the expenditure. Restorations must be evaluated relative to the stated goals and standards in the restoration plan, current science, and, when applicable, the Board of Water and Soil Resources' native vegetation establishment and enhancement guidelines. The evaluation must determine whether the restorations are meeting planned goals, identify any problems with implementing the restorations, and, if necessary, give recommendations on improving restorations. The evaluation must be focused on improving future restorations.

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

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

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

(1) be permanent;

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

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

(4) be sent to the Legislative-Citizen Commission on Minnesota Resources in an electronic format at least ten business days before closing;

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

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

(h) For any acquisition of lands or interest in lands, a recipient of money appropriated under this section must not agree to pay more than 100 percent of the

appraised value for a parcel of land using this money to complete the purchase, in part or in whole, except that up to ten percent above the appraised value may be allowed to complete the purchase, in part or in whole, using this money if permission is received in advance of the purchase from the Legislative-Citizen Commission on Minnesota Resources.

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

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

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

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

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

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

Subd. 14. Payment Conditions and Capital-Equipment Expenditures

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

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

Subd. 15. Purchasing Recycled and Recyclable Materials

A political subdivision, public or private corporation, or other entity that receives an appropriation under this section must use the appropriation in compliance with Minnesota Statutes, section 16C.0725, regarding purchasing recycled, repairable, and durable materials

and Minnesota Statutes, section 16C.073, regarding purchasing and using paper stock and printing.

Subd. 16. Energy Conservation and Sustainable Building Guidelines

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

Subd. 17. Accessibility

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

Subd. 18. Carryforward; Extension

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

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

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

(b) The commission must notify the commissioner of management and budget and the commissioner of

natural resources of any extension granted under this section.

Subd. 19. Transfers; Natural Resources Research Institute

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

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

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

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

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

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

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

Presented to the governor June 28, 2021

Signed by the governor June 29, 2021, 1:42 p.m.