

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 5**ENVIRONMENT AND NATURAL RESOURCES TRUST FUND FISCAL YEAR 2021****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, or another named fund, and are available for the fiscal years indicated for each purpose. The figures "2020" and "2021" used in this article mean that the appropriations listed under them are available for the fiscal year ending June 30, 2020, or June 30, 2021, respectively. "The first year" is fiscal year 2020. "The second year" is fiscal year 2021. "The biennium" is fiscal years 2020 and 2021.

<u>APPROPRIATIONS</u>	
<u>Available for the Year</u>	
<u>Ending June 30</u>	
<u>2020</u>	<u>2021</u>

Sec. 2. MINNESOTA RESOURCES**Subdivision 1. Total Appropriation**

	<u>\$</u>		<u>-0-</u>	<u>\$</u>		<u>61,387,000</u>
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The amounts that may be spent for each purpose are specified in the following subdivisions. Appropriations in the second year are available for four years beginning July 1, 2020, 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>-0-</u>		<u>\$</u>		<u>8,593,000</u>
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(a) Geologic Atlases for Water Resource Management

\$2,000,000 the second 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.

(b) Expanding Minnesota Ecological Monitoring Network

\$800,000 the second year is from the trust fund to the commissioner of natural resources to improve conservation and management of Minnesota's native forests, wetlands, and grasslands by expanding the partially established long-term Ecological Monitoring Network that will provide critical knowledge of how ecosystem dynamics and conditions change through time.

(c) County Groundwater Atlas

\$1,125,000 the second year is from the trust fund to the commissioner of natural resources to continue producing county geologic atlases to inform management of surface water and groundwater resources for drinking water and other purposes. This appropriation is for Part B, to characterize the potential water yields of aquifers and the aquifers' sensitivity to contamination.

(d) Foundational Hydrology Data for Wetland Protection and Restoration

\$400,000 the second year is from the trust fund to the commissioner of natural resources to improve wetland protection, management, and restoration in Minnesota by completing the partially established long-term Wetland Hydrology Monitoring Network that will provide critical knowledge of wetland hydrology dynamics. This appropriation is available until June 30, 2025, by which time the project must be completed and final products delivered.

(e) Voyageurs Wolf Project - Phase II

\$575,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to

study summertime wolf predation on deer, moose, and other species in the Voyageurs region to inform management of wildlife. This appropriation is available until June 30, 2025, by which time the project must be completed and final products delivered.

(f) Expanding Restoration and Promoting Awareness of Native Mussels

\$489,000 the second year is from the trust fund to the Minnesota Zoological Garden to promote mussel conservation by rearing juvenile mussels for reintroduction, researching methods to improve growth and survival in captivity, and encouraging public action to benefit water quality. This appropriation is available until June 30, 2025, by which time the project must be completed and final products delivered.

(g) Improving Pollinator Conservation by Revealing Habitat Needs

\$500,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to use citizen scientists and novel analyses to determine the nesting and overwintering needs of wild bees to allow more specific protection and enhancement of pollinator habitat across the state.

(h) Bee Minnesota - Protect Our Native Bumblebees

\$650,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to protect native bee health by investigating the potential to mitigate against pathogens that may be transmissible between honeybees and wild bees and by promoting best practices to beekeepers and the public. This appropriation is subject to Minnesota Statutes, section 116P.10.

(i) Bobcat and Fisher Habitat Use and Interactions

\$400,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Natural Resources Research Institute in Duluth to identify potential solutions to reverse the fisher population decline through better understanding of habitat, diet, and activity patterns of bobcats and fishers.

(j) Healthy Prairies III: Restoring Minnesota Prairie Plant Diversity

\$500,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to improve Minnesota prairie resiliency by increasing locally sourced seed availability and diversity, evaluating use of beneficial microbes in prairie restorations, and assessing adaptation and adaptive capacity of prairie plant populations.

(k) Freshwater Sponges and AIS: Engaging Citizen Scientists

\$400,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota, Crookston, to use citizen scientists to study the geographic distribution, taxonomic diversity, and antifouling potential of freshwater sponges against aquatic invasive species.

(l) Do Beavers Buffer Against Droughts and Floods?

\$168,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Voyageurs National Park to analyze existing data sets to determine the role of beaver populations and beaver ponds in buffering the region against droughts and floods.

(m) Enhancing Bat Recovery by Optimizing Artificial Roost Structures

\$190,000 the second year is from the trust fund to the commissioner of natural resources to improve the survival of bats by identifying characteristics of successful artificial bat roost structures and optimizing the structures for bat use and reproduction. This appropriation is available until June 30, 2025, by which time the project must be completed and final products delivered.

(n) Tools for Supporting Healthy Ecosystems and Pollinators

\$198,000 the second year is from the trust fund to the commissioner of natural resources to create a pollination companion guide to the Department of

Natural Resources' Field Guides to the Native Plant Communities of Minnesota for conservation practitioners to better integrate plant-pollinator interactions into natural resource planning and decision-making.

(o) Conserving Black Terns and Forster's Terns in Minnesota

\$198,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Natural Resources Research Institute in Duluth to assess the distribution and breeding status of black tern and Forster's tern and to make conservation and restoration recommendations to improve the suitability of habitat for these two bird species in Minnesota.

Subd. 4. **Water Resources**

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3,457,000

(a) Managing Highly Saline Waste from Municipal Water Treatment

\$250,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to develop a cost- and energy-efficient method of managing the concentrated saline waste from a municipal water treatment plant to increase the feasibility of using reverse osmosis for centralized water softening and sulfate removal. This appropriation is subject to Minnesota Statutes, section 116P.10.

(b) Technology for Energy-Generating On-site Industrial Wastewater Treatment

\$450,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to improve water quality and generate cost savings by developing off the shelf technology that treats industrial wastewater on-site and turns pollutants into hydrogen and methane for energy. This appropriation is subject to Minnesota Statutes, section 116P.10.

(c) Microplastics: Transporters of Contaminants in Minnesota Waters

\$425,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to

study how several types of common microplastics transport contaminants of concern in Minnesota waters.

(d) Developing Strategies to Manage PFAS in Land-Applied Biosolids

\$1,404,000 the second year is from the trust fund to the commissioner of the Pollution Control Agency to help municipal wastewater plants, landfills, and compost facilities protect human health and the environment by developing strategies to manage per- and polyfluoroalkyl substances (PFAS) in land-applied biosolids.

(e) Quantifying New Urban Precipitation and Water Reality

\$500,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to better guide storm water management by evaluating the groundwater and surface water interactions contributing to high water tables and damage to home basements and underground infrastructure in urban areas.

(f) Innovative Solution for Protecting Minnesota from PFAS Contamination

\$250,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Dem-Con Companies to demonstrate a new technology for protecting the state's drinking water and natural resources by eliminating per- and polyfluoroalkyl substances (PFAS) from point source discharges. This appropriation is subject to Minnesota Statutes, section 116P.10, related to royalties, copyrights, patents, and sale of products and assets.

(g) Expanding Protection of Minnesota Water through Industrial Conservation

\$178,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Minnesota technical assistance program in partnership with the Minnesota Rural Water Association to provide technical assistance to businesses to decrease industrial and commercial water

use in communities at risk for inadequate groundwater supply or quality.

**Subd. 5. Technical Assistance,
Outreach, and Environmental
Education**

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2,871,000

**(a) Statewide Environmental Education via Public
Television Outdoor Series**

\$300,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Pioneer Public Television to produce approximately 25 new episodes of a statewide outdoor public television series designed to inspire Minnesotans to connect with the outdoors and restore and protect the environment.

**(b) Minnesota Freshwater Quest: Environmental
Education on State Waterways**

\$500,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Wilderness Inquiry for approximately 10,000 underserved Minnesota youth to explore and improve local waterways using the place-based and hands-on Minnesota Freshwater Quest environmental education program.

(c) Teach Science: Schools as STEM Living Laboratories

\$250,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Climate Generation: A Will Steger Legacy to prepare students for the challenges and careers of the future by connecting new science standards, renewable energy, and STEM opportunities in teacher trainings, classroom demonstrations, and program support across the state.

**(d) Mentoring Next Generation of Conservation
Professionals**

\$500,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Minnesota Valley National Wildlife Refuge Trust, Inc., to provide paid internships and apprenticeships for diverse young people to learn about careers in the

conservation field from United States Fish and Wildlife Service professionals while working at the Minnesota Valley National Wildlife Refuge and Wetland Management District.

(e) Jay C. Hormel Nature Center Supplemental Teaching Staff

\$225,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Austin to expand the Jay C. Hormel Nature Center environmental education program beyond the city of Austin to students in southeastern Minnesota for three years.

(f) 375 Underserved Youth Learn Minnesota Ecosystems by Canoe

\$375,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the YMCA of the Greater Twin Cities to connect approximately 375 underserved and diverse teens from urban areas and first-ring suburbs to environmental sciences in the natural world through canoeing and learning expeditions with experienced outdoor education counselors. This appropriation is available until June 30, 2025, by which time the project must be completed and final products delivered.

(g) YES! Students Take on Water Quality Challenge - Phase II

\$199,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Prairie Woods Environmental Learning Center to mobilize local watershed stewardship efforts in approximately 20 communities through student-driven action projects.

(h) Engaging Minnesotans with Phenology: Radio, Podcasts, Citizen Science

\$198,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Northern Community Radio, Inc., in partnership with the Board of Regents of the University of Minnesota to build the next generation of conservationists using phenology, radio broadcasts,

podcasts, and an online, interactive map interface to inspire teachers, students, and the public to get outside and experience nature.

(i) Driving Conservation Behavior for Native Mussels and Water Quality

\$191,000 the second year is from the trust fund to the Minnesota Zoological Garden to develop research-supported strategies to engage the public in specific conservation behaviors to improve water quality and native mussel health across the state.

(j) Workshops and Outreach to Protect Raptors from Lead Poisoning

\$133,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota, Raptor Center, in cooperation with the Department of Natural Resources and other conservation partners, to provide hunters with outreach and workshops on alternatives to lead hunting ammunition, including copper ammunition as an alternative, and to promote voluntary selection of nontoxic ammunition to protect raptors and other wildlife in Minnesota from accidental lead poisoning caused by ingestion of ammunition fragments.

Subd. 6. Aquatic and Terrestrial Invasive Species

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10,425,000

(a) Minnesota Invasive Terrestrial Plants and Pests Center (MITPPC) - Phase V

\$5,000,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to support the Minnesota Invasive Terrestrial Plants and Pests Center to fund approximately 15 new, high-priority research projects that will lead to better management of invasive plants, pathogens, and pests on Minnesota's natural and agricultural lands. This appropriation is subject to Minnesota Statutes, section 116P.10. This appropriation is available until June 30, 2026, by which time the project must be completed and final products delivered.

(b) Protect Community Forests by Managing Ash for Emerald Ash Borer

\$3,500,000 the second year is from the trust fund to the commissioner of natural resources to reduce emerald ash borer by providing surveys, assessments, trainings, assistance, and grants for communities to manage emerald ash borer, plant a diversity of trees, and engage citizens in community forestry activities. This appropriation is available until June 30, 2025, by which time the project must be completed and final products delivered.

(c) Biological Control of White-Nose Syndrome in Bats - Phase III

\$440,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to continue assessing and developing a biocontrol agent for white-nose syndrome in bats.

(d) Applying New Tools and Techniques Against Invasive Carp

\$478,000 the second year is from the trust fund to the commissioner of natural resources to apply new monitoring, outreach, and removal techniques and to continue work with commercial anglers to protect Minnesota waters from invasive carp.

(e) Emerald Ash Borer and Black Ash: Maintaining Forests and Benefits

\$700,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to use ongoing experiments to determine statewide long-term emerald ash borer impacts on water, vegetation, and wildlife; to determine optimal replacement species and practices for forest diversification; and to develop criteria for prioritizing mitigation activities. This appropriation is available until June 30, 2026, by which time the project must be completed and final products delivered.

(f) Testing Effectiveness of Aquatic Invasive Species Removal Methods

\$110,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Natural Resources Research Institute in Duluth to test how well boat-cleaning methods work, to provide

the Department of Natural Resources with a risk assessment, and to provide recommendations for improving boat-launch cleaning stations to prevent the spread of aquatic invasive species.

(g) Invasive *Didymosphenia* Threatens North Shore Streams

\$197,000 the second year is from the trust fund to the Science Museum of Minnesota to evaluate the recent spread, origin, cause, and economic and ecological threat of didymo formation in North Shore streams and Lake Superior to inform management and outreach.

Subd. 7. Air Quality and Renewable Energy

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573,000

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

\$250,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota, on behalf of the Morris campus, to analyze the potential of adding a flow battery and solar energy generation to the University of Minnesota Morris's existing renewable-energy-intensive microgrid.

(b) Eco-Friendly Plastics from Cloquet Pulp-Mill Lignin

\$193,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to reduce environmental pollution from plastics by creating eco-friendly replacements using lignin from the pulp mill in Cloquet, Minnesota. This appropriation is subject to Minnesota Statutes, section 116P.10.

(c) Diverting Unsold Food from Landfills and Reducing Greenhouse Gases

\$130,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Second Harvest Heartland to prevent food from going to landfills and reduce greenhouse gas emissions by helping businesses donate unsold prepared food to food shelves.

Subd. 8. Methods to Protect or Restore Land, Water, and Habitat-0-4,337,000**(a) Pollinator Central: Habitat Improvement with Citizen Monitoring**

\$750,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Great River Greening to restore and enhance approximately 400 acres of pollinator habitat on traditional and nontraditional sites such as roadsides and turf grass from Hastings to St. Cloud to benefit pollinators and build knowledge by engaging approximately 100 citizens in monitoring the impact of habitat improvements. This appropriation is available until June 30, 2025, by which time the project must be completed and final products delivered.

(b) Pollinator and Beneficial Insect Strategic Habitat Program

\$750,000 the second year is from the trust fund to the Board of Water and Soil Resources for building a new initiative to strategically restore and enhance approximately 1,000 acres of diverse native habitat to benefit multiple insects through grants, cost-share, and outreach. Notwithstanding subdivision 14, paragraph (e), restorations and enhancements may take place on land enrolled in conservation reserve program and reinvest in Minnesota easement programs. This appropriation is available until June 30, 2025, by which time the project must be completed and final products delivered.

(c) Lignin-Coated Fertilizers for Phosphate Control

\$250,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Natural Resources Research Institute in Duluth to test a new, natural, slow-release fertilizer coating made from processed wood to decrease phosphorus runoff from farmland while also storing carbon in soils. This appropriation is subject to Minnesota Statutes, section 116P.10.

(d) Implementing Hemp Crop Rotation to Improve Water Quality

\$700,000 the second year is from the trust fund to the Minnesota State Colleges and Universities System for Central Lakes College to evaluate how hemp crops reduce nitrogen contamination of surface water and groundwater in conventional crop rotations and demonstrate the environmental and economic benefits of hemp production. This appropriation is available until June 30, 2025, by which time the project must be completed and final products delivered.

(e) Developing Cover-Crop Systems for Sugar Beet Production

\$300,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to develop agronomic guidelines to support growers adopting cover-crop practices in sugar beet production in west-central and northwest Minnesota.

(f) Native Eastern Larch Beetle Decimating Minnesota's Tamarack Forests

\$398,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to understand conditions triggering eastern larch beetle outbreaks and develop management techniques to protect tamarack forests from this native insect. This appropriation is available until June 30, 2025, by which time the project must be completed and final products delivered.

(g) Habitat Associations of Mississippi Bottomland Forest Marsh Birds

\$275,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the National Audubon Society, Minnesota office, to evaluate habitat associations of bottomland forest birds in response to restoration actions to better target restoration efforts for wildlife. This appropriation is available until June 30, 2025, by which time the project must be completed and final products delivered.

(h) Peatland Restoration in the Lost River State Forest

\$135,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Roseau River Watershed District to collect

physical attribute data from drained peatlands, incorporate the data into a decision matrix, and generate a report detailing peatland restoration potential throughout the Lost River State Forest.

(i) Prescribed Burning for Brushland-Dependent Species - Phase II

\$147,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to compare the effects of spring, summer, and fall burns on birds and vegetation and to provide guidelines for maintaining healthy brushland habitat for a diversity of wildlife and plant species.

(j) Pollinator Habitat Creation Along Urban Mississippi River

\$129,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Friends of the Mississippi River to remove invasive plants and replace them with high-value native species at three urban sites along the Mississippi River to improve habitat for pollinators and other wildlife. This appropriation is available until June 30, 2026, by which time the project must be completed and final products delivered.

(k) Increase Golden Shiner Production to Protect Aquatic Communities

\$188,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Minnesota Sea Grant in Duluth to identify and demonstrate best methods for in-state production of golden shiners to address angler demand while reducing the risk of introducing and spreading invasive species and to communicate findings through reports, manuals, and workshops. Production of shiners in this project must not take place in wetlands.

(l) Restoring Turf to Native Pollinator Gardens Across Metro

\$197,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Wilderness in the City to transition turf to native gardens for pollinator habitat, establish long-term

volunteer stewardship networks, and help connect diverse populations with nature throughout the metropolitan regional park system. A letter of commitment from the respective regional park implementing agency must be provided before money from this appropriation is spent at a regional park within the agency's jurisdiction.

(m) Lawns to Legumes

\$118,000 the second year is from the trust fund to the Board of Water and Soil Resources for demonstration projects that provide grants or payments to plant residential lawns with native vegetation and pollinator-friendly forbs and legumes to protect a diversity of pollinators. The board must establish criteria for grants or payments awarded under this section. Grants or payments awarded under this section may be made for up to 75 percent of the costs of the project, except that in areas identified by the United States Fish and Wildlife Service as areas where there is a high potential for rusty patched bumble bees to be present, grants may be awarded for up to 90 percent of the costs of the project.

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

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29,901,000

(a) DNR Scientific and Natural Areas

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

(b) Private Native Prairie Conservation through Native Prairie Bank

\$2,000,000 the second 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.

(c) Minnesota State Parks and State Trails Inholdings

\$3,500,000 the second 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 promote tourism.

(d) Grants for Local Parks, Trails, and Natural Areas

\$2,400,000 the second year is from the trust fund to the commissioner of natural resources to solicit, rank, and fund competitive matching grants for local parks, trail connections, and natural and scenic areas under Minnesota Statutes, section 85.019. 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) Mississippi River Aquatic Habitat Restoration and Mussel Reintroduction

\$1,800,000 the second year is from the trust fund. Of this amount, \$1,549,000 is to the commissioner of natural resources for an agreement with the Minneapolis Park and Recreation Board and \$251,000 is to the commissioner of natural resources to restore lost habitat and reintroduce mussels in the Mississippi River above St. Anthony Falls. This work includes creating habitat and species restoration plans, implementing the restoration plans, and monitoring effectiveness of the restoration for multiple years after implementation. This appropriation is available until June 30, 2027, by which time the project must be completed and final products delivered.

(f) Minnesota Hunter Walking Trails: Public Land Recreational Access

\$300,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Ruffed Grouse Society to improve Minnesota's hunter walking trail system by restoring or upgrading trailheads and trails, developing new walking trails, and compiling enhanced maps for use by managers and the public.

(g) Turning Back to Rivers: Environmental and Recreational Protection

\$1,000,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with The Trust for Public Land to help local communities acquire priority land along the Mississippi, St. Croix, and Minnesota Rivers and their tributaries to protect natural resources, provide buffers for flooding, and improve access for recreation.

(h) Metropolitan Regional Parks System Land Acquisition - Phase VI

\$1,000,000 the second 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 at least 40 percent of nonstate money.

(i) Minnesota State Trails Development

\$994,000 the second year is from the trust fund to the commissioner of natural resources to expand high-priority recreational opportunities on Minnesota's state trails by rehabilitating, improving, and enhancing existing state trails. The high-priority trail bridges to be rehabilitated or replaced under this appropriation include, but are not limited to, those on the Taconite, Great River Ridge, and C. J. Ramstad/Northshore State Trails.

(j) Elm Creek Restoration - Phase IV

\$500,000 the second 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 of approximately 0.7 miles of Elm Creek

shoreline above Mill Pond Lake and through the Elm Creek Protection Area.

(k) Superior Hiking Trail as Environmental Showcase

\$450,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Superior Hiking Trail Association to rebuild damaged and dangerous segments and create a new trail segment of the Superior Hiking Trail to minimize environmental impacts, make the trail safer for users, and make the trail more resilient for future use and conditions.

(l) Upper St. Anthony Falls Enhancements

\$2,800,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Friends of the Lock and Dam in partnership with the city of Minneapolis to design and install green infrastructure, public access, and habitat restorations on riverfront land at Upper St. Anthony Falls for water protection, recreation, and environmental education purposes. Of this amount, up to \$600,000 is for planning, design, and engagement. No funds from this appropriation may be spent until Congress directs the U.S. Army Corps of Engineers to convey an interest in the Upper St. Anthony Falls property to the city of Minneapolis for use as a visitor center. After this congressional act is signed into law, up to \$100,000 of the planning, design, and engagement funds may be spent. The remaining planning, design, and engagement funds may be spent after a binding agreement has been secured to acquire the land or access and use rights to the land for at least 25 years. Any remaining balance of the appropriation may be spent on installing enhancements after the Upper St. Anthony Falls land has been acquired by the city of Minneapolis.

(m) Whiskey Creek and Mississippi River Water Quality, Habitat, and Recreation

\$500,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Mississippi Headwaters Board to acquire and transfer approximately 13 acres of land to the city of Baxter for future construction of water quality, habitat,

and recreational improvements to protect the Mississippi River.

(n) Perham to Pelican Rapids Regional Trail (West Segment)

\$2,600,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Otter Tail County to construct the west segment of the 32-mile Perham to Pelican Rapids Regional Trail that will connect the city of Pelican Rapids to Maplewood State Park.

(o) Crow Wing County Community Natural Area Acquisition

\$400,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Crow Wing County to acquire approximately 65 acres of land adjacent to the historic fire tower property to allow for diverse recreational opportunities while protecting wildlife habitat and preventing forest fragmentation. Any revenue generated from selling products or assets developed or acquired with this appropriation must be repaid to the trust fund unless a plan is approved for reinvestment of income in the project as provided under Minnesota Statutes, section 116P.10.

(p) Rocori Trail - Phase III

\$1,200,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Rocori Trail Construction Board to design and construct Phase III of the Rocori Trail along the old Burlington Northern Santa Fe rail corridor between the cities of Cold Spring and Rockville.

(q) Mesabi Trail: New Trail and Additional Funding

\$1,000,000 the second 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 for constructing the Mesabi Trail beginning at the intersection of County Road 20 and Minnesota State Highway 135 and terminating at 1st Avenue North and 1st Street North in the city of Biwabik in St. Louis County. This appropriation may

not be spent until all Mesabi Trail projects funded with trust fund appropriations before fiscal year 2020, with the exception of the project funded under Laws 2017, chapter 96, section 2, subdivision 9, paragraph (g), are completed.

(r) Ranier Safe Harbor and Transient Dock on Rainy Lake

\$762,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Ranier to construct a dock that accommodates boats 26 feet or longer with the goal of increasing public access for boat recreation on Rainy Lake. Any revenue generated from selling products or assets developed or acquired with this appropriation must be repaid to the trust fund unless a plan is approved for reinvestment of income in the project as provided under Minnesota Statutes, section 116P.10.

(s) Crane Lake Voyageurs National Park Campground and Visitor Center

\$3,100,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the town of Crane Lake to design and construct a new campground and to plan and preliminarily prepare a site for constructing a new Voyageurs National Park visitor center on land acquired for these purposes in Crane Lake. Any revenue generated from selling products or assets developed or acquired with this appropriation must be repaid to the trust fund unless a plan is approved for reinvestment of income in the project as provided under Minnesota Statutes, section 116P.10.

(t) Chippewa County Acquisition, Recreation, and Education

\$160,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Chippewa County to acquire wetland and floodplain forest and abandoned gravel pits along the Minnesota River to provide water filtration, education, and recreational opportunities.

(u) Sportsmen's Training and Developmental Learning Center

\$85,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Minnesota Forest Zone Trappers Association to complete a site evaluation and master plan for the Sportsmen's Training and Developmental Learning Center near Hibbing. Any revenue generated from selling products or assets developed or acquired with this appropriation must be repaid to the trust fund unless a plan is approved for reinvestment of income in the project as provided under Minnesota Statutes, section 116P.10.

(v) Birch Lake Recreation Area

\$350,000 the second year is from the trust fund to the commissioner of natural resources for a grant to the city of Babbitt to expand the Birch Lake Recreation Area by adding a new campground to include new campsites, restrooms, and other facilities. This appropriation is available until June 30, 2025.

Subd. 10. Emerging Issues
Account; Wastewater Renewable
Energy Demonstration Grants

-0- 1,095,000

\$1,095,000 the second year is from the trust fund to an emerging issues account authorized in Minnesota Statutes, section 116P.08, subdivision 4, paragraph (d). Money appropriated under this subdivision must be used for grants in consultation with the Public Facilities Authority for renewable energy demonstration projects at wastewater treatment facilities.

Subd. 11. Contract Agreement
Reimbursement

-0- 135,000

\$135,000 the second 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 for 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.

Subd. 12. 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 time period of the appropriation is extended to equal the federal grant period.

Subd. 13. Data Availability Requirements

Data collected by the projects funded under this section must conform to guidelines and standards adopted by MN.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. 14. 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 of the 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. 15. 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, 2020, 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. 16. 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. 17. 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. 18. Accessibility

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

Subd. 19. Carryforward; Extension

(a) The availability of the appropriations for the following projects is extended to June 30, 2022:

(1) Laws 2017, chapter 96, section 2, subdivision 8, paragraph (k), Conservation Reserve Enhancement Program (CREP) Outreach and Implementation; and

(2) Laws 2018, chapter 214, article 4, section 2, subdivision 6, paragraph (b), Palmer Amaranth Detection and Eradication Continuation.

(b) The availability of the appropriations for the following projects is extended to June 30, 2023:

(1) Laws 2018, chapter 214, article 4, section 2, subdivision 10, Emerging Issues Account; and

(2) Laws 2019, First Special Session chapter 4, article 2, section 2, subdivision 8, paragraph (f), Lawns to Legumes.

(c) The availability of the appropriation under Laws 2018, chapter 214, article 4, section 2, subdivision 4, paragraph (1), Lake Agnes Treatment, is extended to June 30, 2024.

Subd. 20. Transfers

(a) Sauk River Dam Removal Transfers

The appropriation in Laws 2019, First Special Session chapter 4, article 2, section 2, subdivision 8, paragraph (c), Sauk River Dam Removal and Rock Rapids Replacement, in the amount of \$2,768,000, no longer needed for its original purpose is transferred as follows:

(1) \$482,000 is transferred to the Science Museum of Minnesota to determine how, when, and why lakes in pristine areas of the state without obvious nutrient loading are experiencing algal blooms;

(2) \$700,000 is transferred to the commissioner of the Minnesota Pollution Control Agency, in partnership with the Minnesota Rural Water Association and the University of Minnesota's technical assistance program, to implement a program to optimize existing pond wastewater treatment systems to increase nutrient removal and improve efficiency without requiring costly upgrades;

(3) \$750,000 is 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 mineral and water resources. Of this amount, \$300,000 is to support demonstration of three sulfate reduction technologies for improved water quality, and \$450,000 is for continued characterization of Minnesota iron resources and for developing next-generation technologies and iron products. This research must be conducted in consultation with the Mineral Coordinating Committee established under Minnesota Statutes, section 93.0015;

(4) \$500,000 is transferred to the commissioner of the Pollution Control Agency for activities, training, and

grants that reduce chloride pollution. Of this amount, \$250,000 is for grants for upgrading, optimizing, or replacing water softener units. Priority for grants must be given to facilities needing improvements to comply with chloride water quality standards; and

(5) \$336,000 is transferred to the Board of Regents of the University of Minnesota to study chronic wasting disease prions in soils, including the assessment of sites where carcasses with chronic wasting disease have been disposed.

(b) Lawns to Legumes

The following amounts, estimated to be \$880,000, are transferred to the Board of Water and Soil Resources for demonstration projects that provide grants or payments to plant residential lawns with native vegetation and pollinator-friendly forbs and legumes to protect a diversity of pollinators. The board must establish criteria for grants or payments awarded under this clause. Grants or payments awarded under this clause may be made for up to 75 percent of the costs of the project, except that in areas identified by the United States Fish and Wildlife Service as areas where there is a high potential for rusty patched bumble bees to be present, grants may be awarded for up to 90 percent of the costs of the project:

(1) the unencumbered amount, estimated to be \$380,000, in Laws 2016, chapter 186, section 2, subdivision 9, paragraph (b), Minnesota Point Pine Forest Scientific and Natural Area Acquisition; and

(2) the unencumbered amount, estimated to be \$500,000, in Laws 2018, chapter 214, article 4, section 2, subdivision 6, paragraph (d), Developing RNA Interference to Control Zebra Mussels.

(c) Emerging Issues Account

The following amounts, estimated to be \$284,000, are transferred to an emerging issues account authorized in Minnesota Statutes, section 116P.08, subdivision 4, paragraph (d):

(1) the unencumbered amount, estimated to be \$100,000, in Laws 2015, chapter 76, section 2, subdivision 8, paragraph (b), Propagating Native Plants and Restoring Diverse Habitats;

(2) the unencumbered amount, estimated to be \$50,000, in Laws 2016, chapter 186, section 2, subdivision 6, paragraph (c), Advancing Microbial Invasive Species Monitoring from Ballast Discharge;

(3) the unencumbered amount, estimated to be \$11,000, in Laws 2017, chapter 96, section 2, subdivision 5, paragraph (a), Connecting Youth to Minnesota Waterways through Outdoor Classrooms;

(4) the unencumbered amount, estimated to be \$43,000, in Laws 2017, chapter 96, section 2, subdivision 5, paragraph (e), Local Planning and Implementation Efforts for Bird Habitat;

(5) the unencumbered amount, estimated to be \$30,000, in Laws 2017, chapter 96, section 2, subdivision 8, paragraph (a), Optimizing the Nutrition of Roadside Plants for Pollinators;

(6) the unencumbered amount, estimated to be \$10,000, in Laws 2017, chapter 96, section 2, subdivision 8, paragraph (f), Prescribed-Fire Management for Roadside Prairies;

(7) the unencumbered amount, estimated to be \$20,000, in Laws 2018, chapter 214, article 4, section 2, subdivision 4, paragraph (a), Pilot Program to Optimize Local Mechanical and Pond Wastewater-Treatment Plants; and

(8) the unencumbered amount, estimated to be \$20,000, in Laws 2018, chapter 214, article 4, section 2, subdivision 6, paragraph (e), Install and Evaluate an Invasive Carp Deterrent for Mississippi River Locks and Dams.

(d) Transfers and Availability

The transfers under this subdivision are effective June 30, 2021, and the transferred amounts are available until June 30, 2023.

Sec. 3. Laws 2017, chapter 96, section 2, subdivision 9, as amended by Laws 2019, First Special Session chapter 4, article 2, section 4, is amended to read:

Subd. 9. Land Acquisition, Habitat, and Recreation	999,000	13,533,000	-0-
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(a) Metropolitan Regional Parks System Land Acquisition

\$1,500,000 the first year is from the trust fund to the Metropolitan Council for grants to acquire approximately 70 acres of land within the approved park boundaries of the metropolitan regional park system. This appropriation may not be used to purchase habitable residential structures. A list of proposed fee title acquisitions must be provided as part of the required work plan. This appropriation must be matched by at least 40 percent of nonstate money that must be committed by December 31, 2017. This appropriation is available until June 30, 2020, by which time the project must be completed and final products delivered.

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

\$2,500,000 the first year is from the trust fund to the commissioner of natural resources to acquire land with high-quality native plant communities and rare features to be established as scientific and natural areas as provided in Minnesota Statutes, section 86A.05, subdivision 5, restore and improve scientific and natural areas, and provide technical assistance and outreach, including site steward events. At least one-third of the appropriation must be spent on restoration activities. A list of proposed acquisitions and restorations must be provided as part of the required work plan. Land acquired with this appropriation must be sufficiently improved to meet at least minimum management standards, as determined by the commissioner of natural resources. When feasible, consideration must be given to accommodate trails on lands acquired. This appropriation is available until June 30, 2020, by which time the project must be completed and final products delivered.

(c) Minnesota State Parks and State Trails Land Acquisition

\$1,500,000 the first year is from the trust fund to the commissioner of natural resources to acquire approximately 373 acres from willing sellers for authorized state trails and critical parcels within the statutory boundaries of state parks. State park land

acquired with this appropriation must be sufficiently improved to meet at least minimum management standards, as determined by the commissioner of natural resources. A list of proposed acquisitions must be provided as part of the required work plan. This appropriation is available until June 30, 2020, by which time the project must be completed and final products delivered.

(d) Minnesota State Trails Acquisition, Development, and Enhancement

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

(e) Native Prairie Stewardship and Prairie Bank Easement Acquisition

\$2,675,000 the first year is from the trust fund to the commissioner of natural resources to acquire native prairie bank easements in accordance with Minnesota Statutes, section 84.96, on approximately 250 acres, prepare baseline property assessments, restore and enhance native prairie sites, and provide technical assistance to landowners. Of this amount, up to \$132,000 may be deposited in a conservation easement stewardship account. Deposits into the conservation easement stewardship account must be made upon closing on conservation easements or at a time otherwise approved in the work plan. A list of proposed easement acquisitions must be provided as part of the required work plan. This appropriation is available until June 30, 2020, by which time the project must be completed and final products delivered.

(f) Leech Lake Acquisition

\$1,500,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Leech Lake Band of Ojibwe to acquire approximately 45 acres, including 0.67 miles of shoreline of high-quality aquatic and wildlife habitat

at the historic meeting place between Henry Schoolcraft and the Anishinabe people. The land must be open to public use including hunting and fishing. The band must provide a commitment that land will not be put in a federal trust through the Bureau of Indian Affairs.

(g) Mesabi Trail Development

\$2,269,000 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 for engineering and constructing segments of the Mesabi Trail. This appropriation is available until June 30, 2020, by which time the project must be completed and final products delivered.

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

\$600,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Tower to construct a trailhead, trail connection to the Mesabi Trail, and boat landing and to restore vegetative habitat on city-owned property. Plant and seed materials must follow the Board of Water and Soil Resources' native vegetation establishment and enhancement guidelines. This appropriation is available until June 30, ~~2020~~ 2023, by which time the project must be completed and final products delivered.

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

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

EFFECTIVE DATE. This section is effective retroactively from July 1, 2017.

Sec. 4. Laws 2018, chapter 214, article 4, section 2, subdivision 6, is amended to read:

Subd. 6. **Aquatic and Terrestrial Invasive Species** -0- 5,760,000

(a) Minnesota Invasive Terrestrial Plants and Pests Center - Phase 4

\$3,500,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for high-priority research at the Invasive Terrestrial Plants and Pests Center to protect Minnesota's natural and agricultural resources from terrestrial invasive plants, pathogens, and pests as identified through the center's strategic prioritization process. This appropriation is available until June 30, 2023, by which time the project must be completed and final products delivered.

(b) Palmer Amaranth Detection and Eradication Continuation

\$431,000 the second year is from the trust fund to the commissioner of agriculture to continue to monitor, ground survey, and control Palmer amaranth and other prohibited eradicate species of noxious weeds primarily in ~~conservation plantings~~ natural areas and to develop and implement aerial-survey methods to prevent infestation and protect prairies, other natural areas, and agricultural crops.

(c) Evaluate Control Methods for Invasive Hybrid Cattails

\$131,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Voyageurs National Park to evaluate the effectiveness of mechanical harvesting and managing muskrat populations to remove exotic hybrid cattails and restore fish and wildlife habitat in Minnesota wetlands. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered.

(d) Developing RNA Interference to Control Zebra Mussels

\$500,000 the second year is from the trust fund to the commissioner of natural resources for an agreement

with the United States Geological Survey to develop a genetic control tool that exploits the natural process of RNA silencing to specifically target and effectively control zebra mussels without affecting other species or causing other nontarget effects. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered.

(e) Install and Evaluate an Invasive Carp Deterrent for Mississippi River Locks and Dams

\$998,000 the second 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 United States Fish and Wildlife Service to install, evaluate, and optimize a system in Mississippi River locks and dams to deter passage of invasive carp without negatively impacting native fish and to evaluate the ability of predator fish in the pools above the locks and dams to consume young carp. The project must conduct a cost comparison of equipment purchase versus lease options and choose the most effective option. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered.

(f) Determining Risk of Toxic Alga in Minnesota Lakes

\$200,000 the second year is from the trust fund to the Science Museum of Minnesota for the St. Croix Watershed Research Station to determine the historical distribution, abundance, and toxicity of the invasive blue-green alga, *Cylindrospermopsis raciborskii*, in about 20 lakes across Minnesota and inform managers and the public about the alga's spread and health risks. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered.

Sec. 5. **EFFECTIVE DATE.**

Sections 1, 2, and 4 are effective the day following final enactment.