A bill for an act relating to natural resources; appropriating money from environment and natural resources trust fund; providing extensions.

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

Section 1. APPROPRIATIONS.

The sums shown in the columns marked "Appropriations" are appropriated to the agencies and for the purposes specified in this act. 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 act 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. 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. These are onetime appropriations.

Sec. 2. MINNESOTA RESOURCES

Subdivision 1. Total Appropriation

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

<table>
<thead>
<tr>
<th>Subdivision</th>
<th>Available for the Year</th>
<th>Ending June 30</th>
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<tbody>
<tr>
<td></td>
<td>2022</td>
<td>2023</td>
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<tr>
<td>Subdivision 1</td>
<td>$</td>
<td>$ 70,881,000</td>
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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

(a) Efficacy of Urban Archery Hunting to Manage Deer

$293,000 the second year is from the trust fund to the Board of Trustees of the Minnesota State Colleges and Universities for Bemidji State University to conduct an analysis of deer survival, habitat use, and hunter data in the city of Bemidji to improve special archery hunt management practices in urban areas of the state.

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

$197,000 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 develop restoration and habitat management guidelines for protecting the imperiled golden-winged warbler by assessing habitat use and behavior of this species.

(c) Enhancing Natural Resource Conservation Through Species Distribution Modeling

$200,000 the second year is from the trust fund to the commissioner of natural resources to create distribution models for rare species in Minnesota to provide new tools for natural areas conservation.
(d) Modernizing Minnesota's Digital Lake Inventory

$700,000 the second year is from the trust fund to the commissioner of natural resources to conduct a comprehensive update of Minnesota's lake and pond GIS data to enhance lake conservation planning by state and local partners while also creating efficiencies for ongoing data maintenance.

(e) How Do Prescribed Fires Affect Native Prairie Bees?

$375,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Negaunee Institute for Plant Conservation Science and Action at the Chicago Horticultural Society to investigate how prescribed fire in Minnesota's tallgrass prairies affects the nesting habitat, food resources, and diversity of ground-nesting bees.

(f) Status of Minnesota Blueberries and Related Berry Species

$191,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota, Duluth, to assess how land management practices impact the genetic health and reproduction of several native edible blueberry and related berry species of Minnesota. This appropriation is available until June 30, 2026, by which time the project must be completed and final products delivered.

(g) Distribution and Movements of Fishers in Southern Minnesota
4.1 $309,000 the second year is from the trust
4.2 fund to the Board of Regents of the University
4.3 of Minnesota for the Natural Resources
4.4 Research Institute in Duluth to determine the
4.5 distribution, status, and habitat use of fishers
4.6 in southern Minnesota to inform fisher
4.7 management.

(h) Offal Wildlife Watching: How Do Hunters’
Provisions Impact Scavengers?

4.10 $473,000 the second year is from the trust
4.11 fund to the Board of Regents of the University
4.12 of Minnesota to recruit hunters statewide and
4.13 use remote cameras at field-dressed deer gut
4.14 piles to study the impacts of these offal
4.15 resources on scavengers and other wildlife.

(i) Land-Use and Climate Impacts on
Minnesota's Whitewater River

4.18 $199,000 the second year is from the trust
4.19 fund to the Board of Regents of the University
4.20 of Minnesota for the St. Anthony Falls
4.21 Laboratory to augment, digitize, and
4.22 disseminate unique and historic topographical
4.23 survey data showing changes in the
4.24 Whitewater River valley to inform future land
4.25 and water management.

(j) Protecting Minnesota's Spruce-Fir Forests
from Tree-Killing Budworm

4.28 $189,000 the second year is from the trust
4.29 fund to the Board of Regents of the University
4.30 of Minnesota to evaluate conditions
4.31 contributing to Minnesota's uniquely high
4.32 population of the native and lethal spruce
4.33 budworm to provide better management
4.34 options for protecting the state's spruce-balsam
4.35 fir forests.
(k) Restoration of Eastern Hemlock, Minnesota's Endangered Tree Species

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

(l) Maximizing Lowland Conifer Ecosystem Services - Phase 2

$445,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to continue monitoring forested peatland hydrology and wildlife, conduct new wildlife and habitat surveys, and quantify carbon storage to assess trade-offs in management decisions.

(m) Establishing a Center for Prion Research and Outreach

$3,877,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to form a multidisciplinary center to perform coordinated research on the detection, prevention, and treatment of chronic wasting and other prion diseases threatening wildlife across Minnesota. Money appropriated in this paragraph may also be spent on a strategic plan, capital equipment, and staff as approved in the work plan required under Minnesota Statutes, section 116P.05. Money appropriated in this paragraph may not be spent on activities unless they are directly related to and necessary for the purposes of this paragraph. Money appropriated in this paragraph must not be spent on indirect costs.
or other institutional overhead charges that are not directly related to and necessary for the purposes of this paragraph. This appropriation is subject to Minnesota Statutes, section 116P.10. This is a onetime appropriation and is available until June 30, 2026.

(n) Neonicotinoid Impacts on Minnesota Deer and Prairie Chickens

$943,000 the second year is from the trust fund to the commissioner of natural resources to examine impacts of neonicotinoid exposure on the reproduction and survival of Minnesota's game species, including deer and prairie chicken. This appropriation is available until June 30, 2026, by which time the project must be completed and final products delivered.

(o) Minnesota Biodiversity Atlas - Phase 3

$528,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Bell Museum of Natural History to expand the Minnesota Biodiversity Atlas to include more than 2,000,000 Minnesota wildlife, plants, and fungi records and images from multiple organizations. This appropriation is available until June 30, 2026, by which time the project must be completed and final products delivered.

(p) Sweetening the Crop: Perennial Flax for Ecosystem Benefits

$704,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to produce, select, and evaluate how perennial flax provides pollinator and
other ecosystem services while enhancing yield for oilseed, fiber, and honey production.

(q) Beavers, Trees, and Climate - Increasing Floodplain Forest Resilience

$383,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the National Park Service, Mississippi National River and Recreation Area, to identify solutions for saving floodplain wildlife habitat from beaver herbivory, changes in climate, and emerald ash borer.

(r) Chronic Wasting Disease Prion Soil Research

$123,000 the second year is from the trust fund 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.

Subd. 4. Water Resources

(a) Methods to Destroy PFAS in Landfill Leachates

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

(b) High Temperature Anaerobic Digestion of Sewage Sludge

$269,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to demonstrate that high
temperature anaerobic digestion is effective at treating sewage sludge and preventing disease-causing microorganisms and antibiotic resistance genes from being released into the environment.

(c) Mitigating Cyanobacterial Blooms and Toxins Using Clay-Algae Flocculation

$326,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for St. Anthony Falls Laboratory to develop and test a clay-algae flocculation method to mitigate cyanobacterial blooms that can contaminate drinking water and cause mass fish mortality. This appropriation is subject to Minnesota Statutes, section 116P.10.

(d) Changing Winters and Game Fish in Minnesota Lakes

$238,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Large Lakes Observatory in Duluth to determine how changing winter conditions such as ice cover, snowfall patterns, and water quality affect Minnesota's game fish populations.

(e) Rainy River Drivers of Lake of the Woods Algal Blooms

$608,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the United States Geological Survey, Upper Midwest Water Science Center, to guide the reduction of phosphorus inputs to Lake of the Woods by examining sources, mobility, and storage of sediment-bound phosphorus in the Rainy River. This appropriation is available until

Sec. 2.
June 30, 2026, by which time the project must
be completed and final products delivered.

(f) Water and Climate Information to Enhance
Community Resilience

$502,000 the second year is from the trust
fund to the Board of Regents of the University
of Minnesota to provide information on
potential future water resources to
communities and individuals to guide
adaptation planning.

(g) Catch and Reveal: Discovering Unknown
Fish Contamination Threats

$246,000 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
contaminants present in Minnesota water
bodies using passive sampling and
discovery-based chemical analysis and rank
the contaminants' potential threat to
Minnesota's fisheries. This appropriation is
available until June 30, 2026, by which time
the project must be completed and final
products delivered.

(h) Leveraging Data Analytics Innovations for
Watershed District Planning

$704,000 the second year is from the trust
fund to the commissioner of natural resources
for an agreement with Minnehaha Creek
Watershed District to develop a reproducible
and automated data processing system and a
watershed model that integrates local and
statewide datasets into a quantitative tool for
evaluating projects to improve water quality,
ecological integrity, and flood prevention.
10.1 Minnehaha Creek Watershed District may license third parties to use products developed with this appropriation without further approval from the legislature or the Legislative-Citizen Commission on Minnesota Resources, provided the licensing does not generate income. This appropriation is subject to Minnesota Statutes, section 116P.10.

10.9 (i) Increased Intense Rain and Flooding in Minnesota's Watersheds

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

10.19 (j) Removing CECs from Stormwater with Biofiltration

$575,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the St. Anthony Falls Laboratory to optimize designs for removing contaminants of emerging concern (CECs) from stormwater runoff with biofiltration and to develop guidance on biofiltration use for Minnesota stormwater managers.

10.29 (k) Is the Tire Chemical 6PPDq Killing Minnesota's Fish?

$437,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to optimize detection methods, determine environmental occurrence, and
evaluate risk to Minnesota's fish populations

of the toxic tire-derived chemical 6PPDq.

(I) Mitigation Strategies for Agroplastic PFAS
and Microplastic Contamination

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

(m) Innovative Technology for PFAS
Destruction in Drinking Water

$445,000 the second year is from the trust
fund to the Board of Regents of the University
of Minnesota for the Southern Research and
Outreach Center to develop and demonstrate
a treatment process based on continuous
liquid-phase plasma discharge technology to
destroy per- and polyfluoroalkyl substances
(PFAS) in drinking water. This appropriation
is subject to Minnesota Statutes, section
116P.10.

(n) Salt Threatens Minnesota Water Quality
and Fisheries

$1,093,000 the second year is from the trust
fund to the Science Museum of Minnesota for
the St. Croix Watershed Research Station to
determine chloride tipping points that lead to
water-quality and food-web degradations,
measure how and when lakes are salinized,
identify lake and food-web resilience to
chloride, and test impacts of deicing alternatives.

(o) PFAS Contaminant Mitigation Using Hybrid Engineered Wetlands

$446,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with St. Louis County to design, implement, and evaluate an innovative method for protecting water resources through mitigation of per- and polyfluoroalkyl substances (PFAS) from landfill leachate using engineered wetland treatment systems.

Subd. 5, Environmental Education

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

$445,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Hamline University to create an immersive, research-backed field school for teachers to use nature-based education to benefit student well-being and academic outcomes while increasing stewardship habits.

(b) Increasing K-12 Student Learning to Develop Environmental Awareness, Appreciation, and Interest

$1,602,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Osprey Wilds Environmental Learning Center to partner with Minnesota's five other accredited residential environmental learning centers to provide needs-based scholarships to at least 25,000 K-12 students statewide for immersive multiday environmental learning experiences.
(c) Expanding Access to Wildlife Learning Bird by Bird

$246,000 the second year is from the trust fund to the commissioner of natural resources to engage young people from diverse communities in wildlife conservation through bird-watching in schools, outdoor leadership training, and participating in neighborhood bird walks.

(d) Engaging a Diverse Public in Environmental Stewardship

$200,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Great River Greening to increase participation in natural resources restoration efforts through volunteer, internship, and youth engagement activities that target diverse audiences more accurately reflecting local demographic and socioeconomic conditions in Minnesota.

(e) LCCMR Stories: Sharing Minnesota's Biggest Environmental Investment

$538,000 the second year is from the trust fund to the Science Museum of Minnesota to enhance public education about the results of Legislative-Citizen Commission on Minnesota Resources-recommended research, including through a free online interactive map, in-depth videos, and public events.

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

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

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

$441,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Minnesota Science Teachers Association to provide professional development for Minnesota science teachers in environmental and earth science to strengthen environmental education in schools.

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

$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, in partnership with Ney Nature Center and Laurentian Environmental Center, to empower Minnesota youth to connect with natural resource experts, identify ecological challenges, and take action to complete innovative projects in their communities.

(i) **Strengthening Watershed Stewardship through Outdoor Youth Education**

$265,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Minnesota Trout Unlimited to engage students in classroom and outdoor hands-on learning focused on water quality, groundwater, aquatic life, and watershed stewardship and provide youth and their families with fishing experiences to further foster a conservation ethic.
(j) Increasing Diversity in Environmental Careers

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

(k) Partnering for Pollinator Protection

$123,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Monarch Joint Venture to organize a multisector consortium to develop a state pollinator conservation plan that includes habitat goals and research priorities and to serve as coordinator of statewide pollinator conservation efforts.

(l) Diversity and Access to Wildlife-Related Opportunities

$199,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to broaden the state's conservation constituency by researching diverse communities' values about nature and wildlife experiences and identifying barriers to engagement.

Subd. 6. Aquatic and Terrestrial Invasive Species

(a) Minnesota Invasive Terrestrial Plants and Pests Center
$6,230,000 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 high-priority research projects to better manage 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, 2027, by which time the project must be completed and final products delivered.

(b) Purple Loosestrife Biocontrol Citizen Science Program

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

Subd. 7. Air Quality and Renewable Energy

(a) Using Minnesota Timber to Mitigate Landfill Methane Emissions

$1,099,000 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 design, develop, and test biochar-based landfill covers to reduce methane emissions in Minnesota through natural biological processes. This appropriation is subject to Minnesota Statutes, section 116P.10.
(b) Green Solar Cells from a Minnesota Natural Resource

$673,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to develop an efficient, low cost, and nontoxic pyrite solar cell and conduct a feasibility study for using Iron Range resources to manufacture this product. This appropriation is subject to Minnesota Statutes, section 116P.10.

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

(a) Minnesota's Volunteer Rare Plant Conservation Corps

$765,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Minnesota Landscape Arboretum to partner with the Department of Natural Resources and the Minnesota Native Plant Society to establish and train a volunteer corps to survey, monitor, and bank seed from Minnesota's rare plant populations and enhance the effectiveness and efficiencies of conservation efforts.

(b) Conservation Corps Veterans Service Corps Program

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

(c) Pollinator Habitat Pilot Project at Closed Landfills
$1,224,000 the second year is from the trust fund to the commissioner of the Pollution Control Agency to conduct a pilot project to create pollinator habitat at closed landfill sites in the closed landfill program. This appropriation is available until June 30, 2026, by which time the project must be completed and final products delivered.

(d) Creating Seed Sources of Early-Blooming Plants for Pollinators

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

(e) Root River Habitat Restoration Project

$703,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Eagle Bluff Environmental Learning Center to restore flood-damaged Root River stream bank and instream habitat and incorporate monitoring into the center's curriculum to evaluate the restoration's success.

(f) Hastings Lake Rebecca Park Area

$1,780,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Hastings to develop an ecological-based master plan for Lake Rebecca Park and to enhance habitat quality and construct passive recreational
facilities consistent with the master plan. No funds for implementation may be spent until the master plan is complete.

(g) Restoring Forests and Savannas Using Silvopasture - Phase 2

$550,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Great River Greening to continue to partner with the University of Minnesota and the Sustainable Farming Association to demonstrate, evaluate, and increase adoption of the combined use of intensive tree, forage, and livestock management as a method to restore threatened oak savanna habitats.

(h) Pollinator Plantings and the Redistribution of Soil Toxins

$543,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to map urban and suburban soil toxins of concern, such as heavy metals and microplastics, and to test whether pollinator plantings can redistribute these toxins in the soil of yards, parks, and community gardens and reduce exposure to humans and wildlife.

(i) Mitigating the Effects of Visitor Use Patterns

$432,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Superior Hiking Trail Association to rehabilitate and renew Superior Hiking Trail campsites, trailheads, and trail segments for a more resilient future amid unprecedented use.

(j) PFAS Fungal-Wood Chip Filtering System
(k) Phytoremediation for Extracting Deicing Salt

$451,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to protect lands and waters from contamination by collaborating with the Department of Transportation to develop methods for using native plants to remediate roadside deicing salt.

(l) Mustinka River Fish and Wildlife Habitat Corridor Rehabilitation

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

(m) Bohemian Flats Savanna Restoration

$255,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Minneapolis Park and Recreation Board to restore an area of compacted urban turf within Bohemian Flats Park and adjacent to the Mississippi River to an oak savanna ecosystem.
(n) Watershed and Forest Restoration: What a Match!

$3,318,000 the second year is from the trust fund to the Board of Water and Soil Resources, in cooperation with soil and water conservation districts, the Mille Lacs Band of Ojibwe, and the Department of Natural Resources, to accelerate tree planting on privately owned, protected lands for water-quality protection and carbon sequestration.

Subd. 9. Land Acquisition, Habitat, and Recreation

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

$1,762,000 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 to acquire, engineer, and construct a segment of the Mesabi Trail beginning at the intersection of Wahlsten Road (CR 26) and Benson Road in Embarrass and extending to Tower.

(b) Redhead Mountain Bike Park

$1,760,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Minnesota Discovery Center to enhance outdoor recreational opportunities by adding trails and recreational amenities to the Redhead Mountain Bike Park in Chisholm.

(c) Environmental Learning Classroom with Trails

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

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

$3,560,000 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) St. Louis River Re-Connect

$1,780,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Duluth to expand recreational access along the St. Louis River and estuary by implementing the St. Louis River National Water Trail outreach plan, designing and constructing upgrades and extensions to the Waabizheshikana Trail, and installing interpretive features that describe the cultural and ecological significance of the area.

(f) Native Prairie Stewardship and Prairie Bank Easement Acquisition

$1,353,000 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 under Minnesota Statutes, section 84.69, proportional to the number of easements acquired.

(g) Minnesota State Parks and State Trails Acquisitions

$3,783,000 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 improve the efficiency of public land management.

(h) Minnesota State Trails Development

$7,387,000 the second 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.

(i) Preserving the Avon Hills with Reverse-Bidding Easements

$2,231,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Saint John's University,
in cooperation with Minnesota Land Trust, to
use a reverse-bid ranking system to
permanently protect, restore, and enhance
habitat in the Avon Hills area of Stearns
County. Of this amount, up to $192,000 is for
use by Minnesota Land Trust in a monitoring
fund as approved in the work plan and subject
to Minnesota Statutes, section 116P.20. An
annual financial report is required for any
monitoring, management, and enforcement
fund, including expenditures from the fund.
A proposed list of acquisitions and restorations
must be provided in the work plan. This
appropriation is available until June 30, 2027,
by which time the project must be completed
and final products delivered.

(j) SNA Habitat Restoration, Public
Engagement, and Protection

$2,768,000 the second year is from the trust
fund to the commissioner of natural resources
for the scientific and natural areas (SNA)
program to restore and enhance exceptional
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.

Subd. 10. Administrative and Emerging Issues

(a) Contract Agreement Reimbursement

$132,000 the second year is 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, including for the
agreements specified in this section. $78,000
from the money appropriated under Laws 2021, First Special Session chapter 6, article section 2, subdivision 4, paragraph (b), is transferred to the commissioner of natural resources for the purposes of this paragraph. The commissioner must provide documentation to the Legislative-Citizen Commission on Minnesota Resources on the expenditure of the funds available under this paragraph.

(b) Emerging Issues Account

$250,000 the second year is from the trust fund to an emerging issues account authorized in Minnesota Statutes, section 116P.08, subdivision 4, paragraph (d).

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 for three years beginning July 1,
2022, and ending June 30, 2025, 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
award, the period of the appropriation is
extended to equal the federal award period to
a maximum trust fund appropriation length of
six years.

Subd. 12. Data Availability Requirements Data

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
Legislative-Citizen Commission on Minnesota
Resources, as part of the required work plan,
that criminal background checks for
background check crimes, as defined in
Minnesota Statutes, section 299C.61,
subdivision 2, are performed 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, 2022, 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; Extensions

(a) The availability of the appropriations for the following projects is extended to June 30, 2024:

(1) Laws 2019, First Special Session chapter 4, article 2, section 2, subdivision 8, paragraph
(a) Saving Endangered Pollinators through Data-Driven Prairie Restoration; and

(2) Laws 2019, First Special Session chapter 4, article 2, section 2, subdivision 9, paragraph (e), National Loon Center.

(b) The availability of the transfers for the following projects is extended to June 30, 2024:

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

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

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

(4) Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 20, paragraph (a), clause (4), for the Chloride Pollution Reduction project;

(5) Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 20, paragraph (a), clause (5), for the CWD Prion Research in Soils project;

(6) Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 20,
paragraph (b), clauses (1) and (2), Lawns to
Legumes;

(7) Laws 2021, First Special Session chapter
6, article 5, section 2, subdivision 20,
paragraph (c), clauses (1) to (8), Emerging
Issues Account; and

(8) Laws 2021, First Special Session chapter
6, article 6, section 2, subdivision 19,
paragraph (a), clauses (1) to (4), for the Forest
Health Research, Development and
Demonstration project at the Natural
Resources Research Institute.

(c) 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,
2022, is extended to June 30, 2023, if the
recipient or grantee:

(1) by May 15, 2022, 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 subdivision; 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.

(d) The commission must notify the
commissioner of management and budget and
the commissioner of natural resources of any
extension granted under paragraph (c).

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