

V. Recommendations

“to the extent known by the commission, descriptions of the projects anticipated to be supported by the trust fund during the next biennium;”

There is \$70,881,000 available for expenditure in each year of the FY22-23 biennium from the ENRTF (for a biennial total of \$141,762,000). The amount available for expenditure is determined by the Minnesota Constitution, which states: “The amount appropriated each year of a biennium....may be up to 5.5% of the market value of the fund on June 30 one year before the start of the biennium”. The value of the ENRTF on June 30, 2020 was \$1,288,757,980.88.

The LCCMR is making a funding recommendation to the 2021 Legislature totaling \$70,881,000 (FY22) from the ENRTF. \$70,881,000 (FY23) would be available for recommendation by the LCCMR to the 2022 Legislature. As stated in M.S. 116P, the LCCMR may make an annual or a biennial funding recommendation. Additionally, the FY21 tentative recommendations bill totaling \$61,387,000 from the ENRTF was introduced in the 2020 legislative session but have not yet been passed.

The following documents include:

1. The list of tentative recommended appropriations totaling \$61,387,000 (FY21) from the Environment and Natural Resources Trust Fund. The funding levels and the proposed legislative bill were selected through simple majority of the LCCMR on July 17, 2019.
2. The list of recommended appropriations totaling \$70,881,000 (FY22) from the Environment and Natural Resources Trust Fund. The funding levels and the proposed legislative bill were adopted by the LCCMR on November 18, 2020.

Environment and Natural Resources Trust Fund Recommendations Summary

LCCMR 2021 RFP

Process for M.L. 2021 (FY2022)

For the FY 2022 and FY 2023 biennium (July 1, 2021 -June 30, 2023), approximately \$71 million is available each year for appropriation from the Environment and Natural Resources Trust Fund (ENRTF).

On August 13, 2020, the Legislative-Citizen Commission on Minnesota Resources (LCCMR) selected 87 projects totaling \$70,881,000 to recommend to the 2021 Minnesota Legislature for funding from the ENRTF. The recommendations are the result of a LCCMR's 2021 Request for Proposal process in which 329 proposals requesting a total of approximately \$240 million were received and considered through a competitive, multi-stage evaluation. The following recommendations range from funding the full proposal and dollar amount requested to partial funding for specific proposal elements.

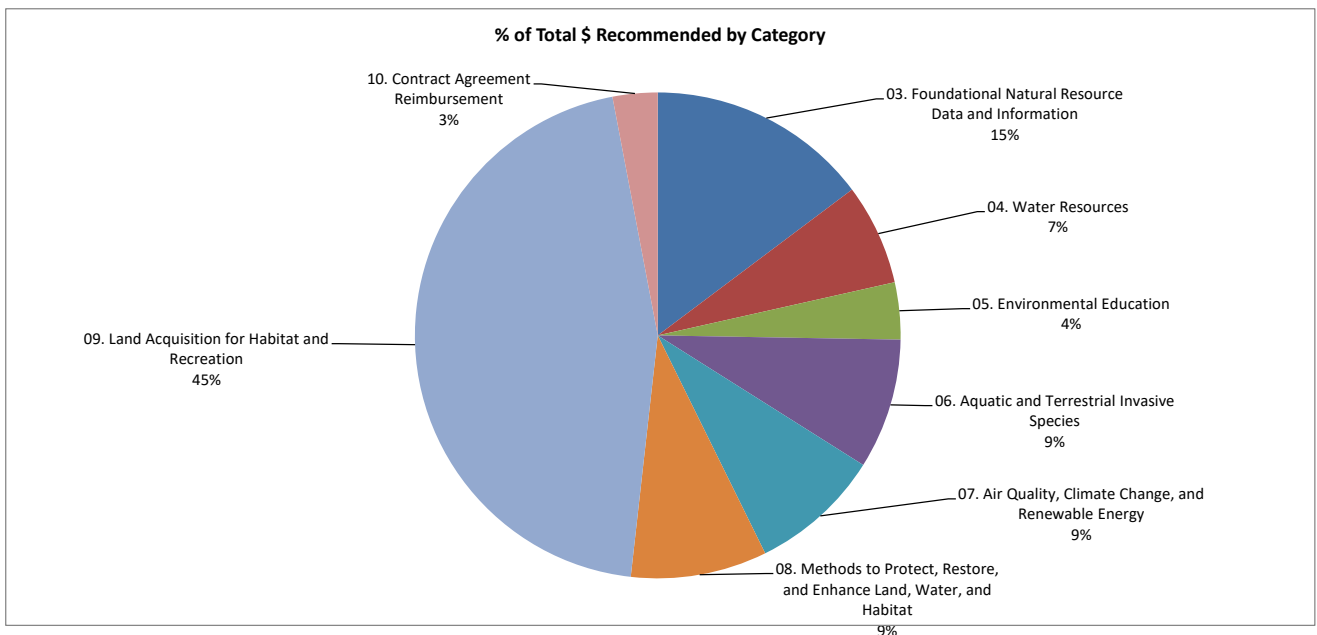
Check the LCCMR schedule for the most up-to-date information and important process dates.

January 3, 2020	RFP Issued
May 22, 2020*	RFP Proposal Deadline (329 Proposals received totaling ~\$240 million)
June 17-18, 2020	Selection of Proposals for Further Consideration and Presentations
July 7-9 & July 14-16, 2020	Proposal Presentations
August 6-7, 2020	Allocation and Recommendations
August - November, 2020	Recommended Research Projects Undergo Peer Review
November 18, & December 9 & 17, 2020	Appropriation Language Review & Adoption

*Deadline extended for 2020 proposals to resubmit

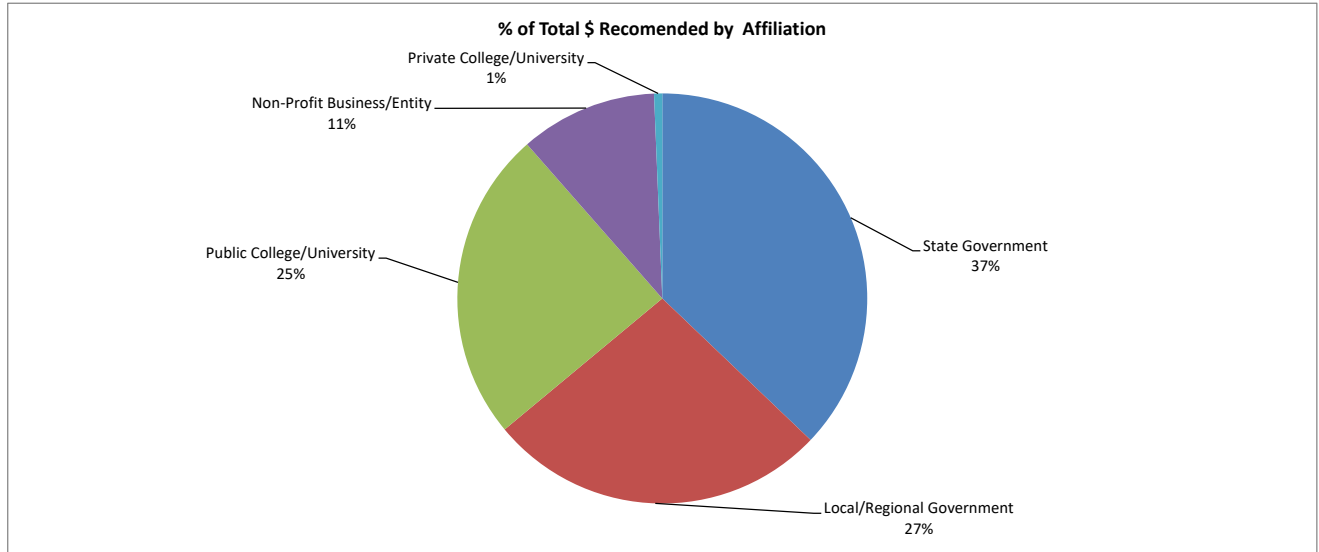
Summary of Recommendations by Category

Subdivision	\$ Recommended	\$ Percent	# Recommended	# Percent
03. Foundational Natural Resource Data and Information	\$10,459,000	15%	14	16%
04. Water Resources	\$4,771,000	7%	10	11%
05. Environmental Education	\$2,687,000	4%	7	8%
06. Aquatic and Terrestrial Invasive Species	\$6,148,000	9%	7	8%
07. Air Quality, Climate Change, and Renewable Energy	\$6,205,000	9%	6	7%
08. Methods to Protect, Restore, and Enhance Land, Water, and Habitat	\$6,429,000	9%	18	21%
09. Land Acquisition for Habitat and Recreation	\$32,062,000	45%	22	25%
10. Contract Agreement Reimbursement	\$2,120,000	3%	3	3%
Total Request	\$70,881,000	100%	87	100%

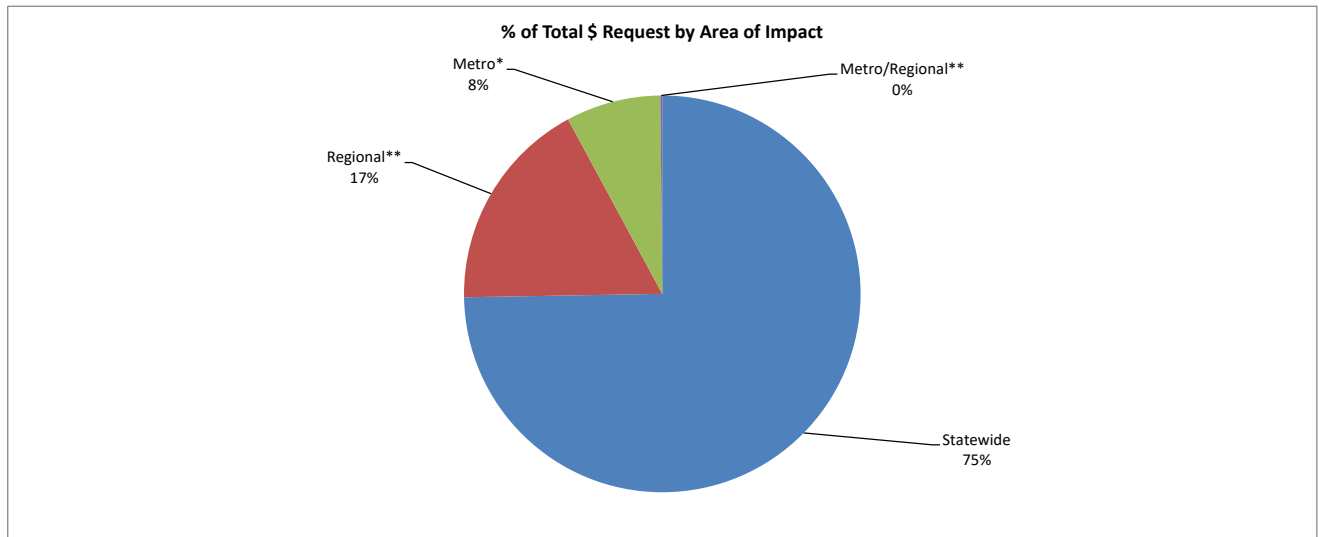


Environment and Natural Resources Trust Fund Recommendations Summary LCCMR 2021 RFP

Summary of Recommendations by Affiliation				
Affiliation Type	\$ Recommendations	\$ Percent	# Recommendations	# Percent
State Government	\$26,313,000	37%	19	22%
Local/Regional Government	\$19,027,000	27%	24	28%
Public College/University	\$17,413,000	25%	27	31%
Non-Profit Business/Entity	\$7,671,000	11%	15	17%
Private College/University	\$457,000	1%	2	2%
Total Request	\$70,881,000	100%	87	100%



Summary of Proposals by Area of Impact				
Areas of Impact	\$ Recommendations	\$ Percent	# Recommendations	# Percent
Statewide	\$52,966,000	75%	60	69%
Regional**	\$12,328,000	17%	18	21%
Metro*	\$5,478,000	8%	8	9%
Metro/Regional**	\$109,000	0%	1	1%
Total Recommendations	\$70,881,000	100%	87	100%



* "Metro" region includes the 11 counties of Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Sherburne, Washington, and Wright.
 ** "Regional" means area of impact is less than "Statewide" but includes one or more regions of the state ("Northwest", "Northeast", "Central", "Southwest", or "Southeast") other than the 11-county "Metro" region.

2021 LCCMR Recommendations for the Environment and Natural Resources Trust Fund (ENRTF)

As of August 13, 2020, the Legislative-Citizen Commission on Minnesota Resources (LCCMR) has selected 87 projects totaling \$70,881,000 to recommend to the 2021 Minnesota Legislature for funding from the Environment and Natural Resources Trust Fund (ENRTF). In response to LCCMR's 2021 Request for Proposal (RFP), 329 proposals requesting a total of approximately \$240 million were received and considered through a competitive, multi-stage evaluation. The following recommendations range from funding the full proposal and dollar amount requested to partial funding for specific proposal elements.

Topic Area	ENRTF \$ (\$70,881,000)	Percentage of Total
Subd. 03 Foundational Natural Resource Data and Information 14 Projects	\$10,459,000	14.76%
Subd. 04 Water Resources 10 Projects	\$4,771,000	6.73%
Subd. 05 Technical Assistance, Outreach, and Environmental Education 7 Projects	\$2,687,000	3.79%
Subd. 06 Aquatic and Terrestrial Invasive Species 7 Projects	\$6,148,000	8.67%
Subd. 07 Air Quality and Renewable Energy 6 Projects	\$6,205,000	8.75%
Subd. 08 Methods to Protect or Restore Land, Water, and Habitat 18 Projects	\$6,429,000	9.07%
Subd. 09 Land Acquisition, Habitat, and Recreation 22 Projects	\$32,062,000	45.23%
Subd. 10 Administrative and Emerging Issues 3 Projects	\$2,120,000	2.99%
Total Project \$	\$70,881,000	100.00%

Fund Source	ENRTF \$
FY 2022 - Environment and Natural Resources Trust Fund (ENRTF)	\$70,881,000
Total \$	\$70,881,000

2021 LCCMR Recommendations for the Environment and Natural Resources Trust Fund (ENRTF)

Draft Work Plan Subd.	Original Proposal ENRTF ID	Title	Total ENRTF \$ FY2022	Organization	Project Manager
Subd. 03 Foundational Natural Resource Data and Information \$10,459,000 14/87					
03a	2021-032	What's "Bugging" Minnesota's Insect-Eating Birds?	\$199,000	U of MN, Duluth - NRRRI	Alexis Grinde
03b	2021-055	Protecting Minnesota's Beneficial Macroalgae: All Stoneworts Aren't Starry	\$811,000	MN DNR, Ecological and Water Resources Division	Donna Perleberg
03c	2021-071	County Groundwater Atlas	\$1,875,000	MN DNR, Ecological and Water Resources Division	Paul Putzier
03d	2021-087	Improving Resiliency And Conservation Outcomes For Minnesota Turtles	\$391,000	Minnesota Zoological Society	Tricia Markle
03e	2021-113	Minnesota Biological Survey: Setting A Future Course	\$1,500,000	MN DNR, Ecological and Water Resources Division	Bruce Carlson
03f	2021-118	2021 Groundwater Contamination Mapping Project	\$800,000	Minnesota Pollution Control Agency	Myrna Halbach
03g	2021-138	Geologic Atlases For Water Resource Management	\$3,092,000	U of MN, MN Geological Survey	Barbara Lusardi
03h	2021-140	Redwood County Rim Easement Evaluation And Public Outreach	\$197,000	Redwood Soil & Water Conservation District	Kristy Zajac
03i	2021-159	Collaborative State And Tribal Wild Rice Monitoring Program	\$644,000	MN DNR, Ecological and Water Resources Division	Josh Knopik
03j	2021-238	Morrison County Performance Drainage And Hydrology Management II	\$197,000	Morrison Soil and Water Conservation District	Shannon Wettstein
03k	2021-278	Preserving Minnesota's Wetlands: Our Resource For Future Medicine	\$210,000	U of MN, Crookston	Brian Dingmann
03l	2021-289	A Biodiversity Checkup For Minnesota's Big Woods	\$109,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Lee Frelich
03m	2021-321	Microbiome In Raptors: A New Tool For Conservation	\$129,000	U of MN, Raptor Center	Julia Ponder
03n	2021-396	Bioacoustics For Broad-Scale Species Monitoring And Conservation	\$305,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Elena West
			\$10,459,000		
Subd. 04 Water Resources \$4,771,000 10/87					
04a	2021-050	Trout Stream Habitat Restoration Success	\$319,000	U of MN, Duluth - NRRRI	Valerie Brady
04b	2021-115	Novel Nutrient Recovery Process From Wastewater Treatment Plants	\$200,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Bo Hu
04c	2021-121	Monitoring Emerging Viruses In Minnesota's Urban Water Cycles	\$416,000	U of MN, College of Biological Sciences	Sebastian Behrens
04d	2021-144	Microgeographic Impact Of Antibiotics Released From Identified Hotspots	\$508,000	U of MN, College of Veterinary Medicine	Randall Singer

2021 LCCMR Recommendations for the Environment and Natural Resources Trust Fund (ENRTF)

Draft Work Plan Subd.	Original Proposal ENRTF ID	Title	Total ENRTF \$ FY2022	Organization	Project Manager
04e	2021-266	Sustainable Irrigation Management: Expanding A Statewide Web Application	\$1,139,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Bryan Runck
04f	2021-358	Assessing Membrane Bioreactor Wastewater Treatment Efficacy	\$419,000	Minnesota State Colleges and Universities, St. Cloud State University	Heiko Schoenfuss
04g	2021-364	Evaluating Coronavirus And Other Microbiological Contamination Of Drinking Water Sources From Wastewater	\$594,000	U of MN, College of Science and Engineering	Timothy LaPara
04h	2021-376	St. James Pit Water Level Control	\$259,000	City of Aurora	Becky Lammi
04i	2021-384	Long-Term Nitrate Mitigation By Maintaining Profitable Kernza Production	\$485,000	Stearns County Soil and Water Conservation District	Dennis Fuchs
04j	2021-390	Antibiotic Resistance And Wastewater Treatment: Problems And Solutions	\$432,000	University of St. Thomas	Justin Donato
			\$4,771,000		
Subd. 05 Environmental Education \$2,687,000 7/87					
05a	2021-042	Increasing Outdoor Learning For Young Minnesotans	\$383,000	Wolf Ridge Environmental Learning Center	Shannon Walz
05b	2021-131	Pollinator Education In The Science Classroom	\$366,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Elaine Evans
05c	2021-132	Minnesota Freshwater Quest: Environmental Education For 20000 Youth	\$699,000	Wilderness Inquiry	Julie Edmiston
05d	2021-175	Minnesota Master Naturalist: Nature For New Minnesotans	\$293,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Robert Blair
05e	2021-186	The Voyageurs Classroom Initiative	\$348,000	Voyageurs National Park Association	Christina Hausman Rhode
05f	2021-320	Restoring Land, Reviving Heritage: Conservation Through Indigenous Culture	\$420,000	Belwin Conservancy	Katie Bloome
05g	2021-323	Expanding Access To Environmental Education For Underserved Communities	\$178,000	U of MN, Raptor Center	Julia Ponder
			\$2,687,000		
Subd. 06 Aquatic and Terrestrial Invasive Species \$6,148,000 7/87					
06a	2021-017	Starch Allocation Patterns Of Starry Stonewort (Nitellopsis Obtusa) Harvested From Lake Koronis, MN	\$101,000	Minnesota State Colleges and Universities, Minnesota State University Mankato - Department of Biological Sciences	Ryan Wersal

2021 LCCMR Recommendations for the Environment and Natural Resources Trust Fund (ENRTF)

Draft Work Plan Subd.	Original Proposal ENRTF ID	Title	Total ENRTF \$ FY2022	Organization	Project Manager
06b	2021-091	Long-Term Efficacy Of Invasive Removal In Floodplain Forests	\$25,000	Macalester College	Mike Anderson
06c	2021-162	Oak Wilt Suppression At The Northern Edge II	\$423,000	Morrison Soil and Water Conservation District	Shannon Wettstein
06d	2021-164	Biocontrol Of Bee Lawns And Parklands	\$425,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Vera Krischik
06e	2021-188	Building Knowledge And Capacity For AIS Solutions	\$3,750,000	U of MN, MAISRC	Nicholas Phelps
06f	2021-217	Evaluating Minnesotas Last Best Chance To Stop Carp	\$424,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Peter Sorensen
06g	2021-313	Stop Starry Invasion - Community Invasive Species Containment	\$1,000,000	Minnesota Lakes and Rivers Advocates	Jeff Forester
			\$6,148,000		
Subd. 07 Air Quality, Climate Change, and Renewable Energy \$6,205,000 6/87					
07a	2021-010	Enhanced Thermo-Active Foundations For Space Heating In Minnesota	\$312,000	U of MN, Duluth	Aggrey Mwesigye
07b	2021-169	Storing Renewable Energy In Flow-Battery For Grid Use	\$2,408,000	U of MN, Morris	Bryan Herrmann
07c	2021-191	Agrivoltaics To Improve The Environment And Farm Resiliency	\$646,000	U of MN, WCROC	Bradley Heins
07d	2021-294	Behavioral Response Of Bald And Golden Eagles To Acoustic Stimuli	\$261,000	U of MN, St. Anthony Falls Laboratory	Christopher Feist
07e	2021-344	Create Jobs Statewide By Diverting Materials From Landfills	\$2,244,000	Better Futures Minnesota	Steve Thomas
07f	2021-402	Strengthening Minnesota's Reuse Economy To Conserve Natural Resources	\$334,000	ReUse Minnesota	Jennifer Kedward
			\$6,205,000		
Subd. 08 Methods to Protect, Restore, and Enhance Land, Water, and Habitat \$6,429,000 18/87					
08a	2021-022	Camp Ripley Sentinel Landscape Forest Restoration And Enhancements	\$731,000	Crow Wing Soil and Water Conservation District	Melissa Barrick
08b	2021-039	Restoring Mussels In Streams And Lakes - Continuation	\$619,000	MN DNR, Ecological and Water Resources Division	Mike Davis
08c	2021-058	Pollinator Central II: Habitat Improvement With Community Monitoring	\$631,000	Great River Greening	Rebecca Tucker
08d	2021-062	Preserving Minnesota's Only Ball Cactus Population	\$103,000	U of MN, Landscape Arboretum	David Remucal
08e	2021-065	Phase 2 - Prescribed-Fire Management For Roadside Prairies	\$217,000	Minnesota Department of Transportation	Nathan Johnson
08f	2021-084	Restoring Upland Forests For Birds	\$193,000	American Bird Conservancy, Great Lakes Program	Kevin Sheppard

2021 LCCMR Recommendations for the Environment and Natural Resources Trust Fund (ENRTF)

Draft Work Plan Subd.	Original Proposal ENRTF ID	Title	Total ENRTF \$ FY2022	Organization	Project Manager
08g	2021-097	Minnesota Green Schoolyards	\$250,000	The Trust for Public Land	Eric Weiss
08h	2021-137	Plumbing The Muddy Depths Of Superior Hiking Trail	\$187,000	Superior Hiking Trail Association	Denny Caneff
08i	2021-212	Reducing Plastic Pollution With Biodegradable Erosion Control Products	\$200,000	Agricultural Utilization Research Institute	Riley Gordon
08j	2021-223	Remote Sensing And Super-Resolution Imaging Of Microplastics	\$309,000	U of MN, St. Anthony Falls Laboratory	Ardeshir Ebtehaj
08k	2021-229	Woodcrest Trail Expansion And Prairie Restoration	\$16,000	Country Manor Foundation	Sara Gabrielson
08l	2021-231	Urban Pollinator And Native American Cultural Site Restoration	\$213,000	Friends of the Mississippi River	Betsy Daub
08m	2021-280	Economic And Ecological Benefits Of Soil Health	\$288,000	Redwood Soil & Water Conservation District	Scott Wold
08n	2021-308	Creating Cost-Effective Forage And Management Actions For Pollinators	\$198,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Daniel Cariveau
08o	2021-322	Shoreline Stabilization, Fishing, ADA Improvements At Silverwood Park	\$200,000	Three Rivers Park District	Jonathan Vlaming
08p	2021-337	Lawns To Legumes Program Phase 2	\$993,000	Board of Water and Soil Resources	Dan Shaw
08q	2021-375	Reintroduction Of Bison To Spring Lake Park Reserve	\$560,000	Dakota County	Tom Lewanski
08r	2021-377	Elm Creek Habitat Restoration Final Phase	\$521,000	City of Champlin	Todd Tuominen
			\$6,429,000		
Subd. 09 Land Acquisition for Habitat and Recreation \$32,062,000 22/87					
09a	2021-012	Perham To Pelican Rapids Regional Trail (Mcdonald Segment)	\$2,245,000	Otter Tail County	Matthew Yavarow
09b	2021-028	Mesabi Trail Csa 88 To Ely	\$1,650,000	St. Louis & Lake Counties Regional Railroad Authority	Robert Manzoline
09c	2021-029	SW MN Single Track Trail	\$190,000	Jackson County	Jeremy Bartosh
09d	2021-043	Local Parks, Trails And Natural Areas Grant Programs	\$2,250,000	MN DNR, Grants Unit	Audrey Mularie
09e	2021-049	Metropolitan Regional Parks System Land Acquisition- Phase 7	\$2,250,000	Metropolitan Council	Jessica Lee
09f	2021-069	Sauk Rapids Rapids Project Lions Park	\$463,000	City of Sauk Rapids	Todd Schultz
09g	2021-092	City Of Brainerd - Mississippi Landing Trailhead	\$2,850,000	City of Brainerd	David Chanski
09h	2021-105	Native Prairie Stewardship & Prairie Bank Easement Acquisition	\$1,341,000	MN DNR, Ecological and Water Resources Division	Judy Schulte
09i	2021-109	Moose Lake - Trunk Highway 73 Trail	\$330,000	City of Moose Lake	Katie Bloom
09j	2021-151	SNA Acquisition, Restoration, Citizen-Science And Outreach	\$3,336,000	MN DNR, Ecological and Water Resources Division	Molly Roske
09k	2021-154	Precision Acquisition For Restoration, Groundwater Recharge And Habitat.	\$467,000	Shell Rock River Watershed District	Courtney Phillips

2021 LCCMR Recommendations for the Environment and Natural Resources Trust Fund (ENRTF)

Draft Work Plan Subd.	Original Proposal ENRTF ID	Title	Total ENRTF \$ FY2022	Organization	Project Manager
09l	2021-222	Lake Brophy Trail Expansion	\$100,000	Douglas County	Brad Bonk
09m	2021-325	Veterans On The Lake	\$553,000	Veterans on the Lake	Neil Olson
09n	2021-329	Voyageur National Park Crane Lake Visitors Center Project	\$2,700,000	Town of Crane Lake	JoAnn Pohlman
09o	2021-330	Brookston Campground, Boat Launch & Outdoor Recreational Facility Final	\$425,000	City of Brookston	Kaycee Melin
09p	2021-332	Moose/Seven Beaver Multi-Use Trail Upgrade	\$900,000	City of Hoyt Lakes	Rebecca Burich
09q	2021-338	Above The Falls Regional Park Acquisition And Restoration	\$950,000	Minneapolis Parks and Recreation Board	Adam Arvidson
09r	2021-339	Silver Lake Trail Improvement Project	\$1,071,000	City of Virginia	Britt See-Benes
09s	2021-362	Minnesota State Trails Development	\$4,266,000	MN DNR, State Parks and Trails Division	Kent Skaar
09t	2021-363	Highbanks Ravine Bat Habernaculum Project	\$825,000	City of St. Cloud	Lisa Vollbrecht
09u	2021-371	State Parks And State Trails In-Holdings	\$2,560,000	MN DNR, State Parks and Trails Division	Kent Skaar
09v	2021-380	Accessible Fishing Piers And Shore Fishing Areas	\$340,000	MN DNR, State Parks and Trails Division	Nancy Stewart
			\$32,062,000	SubTotal	
Subd. 10 Administrative and Emerging Issues \$2,120,000 3/85					
10a	2021-027	ML 2021 Contract Agreement Reimbursement	\$135,000	MN DNR, Grants Unit	Katherine Sherman-Hoehn
10b		LCCMR Budget FY22-FY23	\$1,750,000	LCCMR	Becca Nash
10c		Emerging Issues Account	\$235,000	LCCMR	Becca Nash
			\$2,120,000		
			\$70,881,000		

1.1 A bill for an act
 1.2 relating to natural resources; appropriating money from environment and natural
 1.3 resources trust fund.

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

1.5 Section 1. **APPROPRIATIONS.**

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

1.13		<u>APPROPRIATIONS</u>	
1.14		<u>Available for the Year</u>	
1.15		<u>Ending June 30</u>	
1.16		<u>2022</u>	<u>2023</u>

1.17 Sec. 2. **MINNESOTA RESOURCES**

1.18	<u>Subdivision 1. Total Appropriation</u>	<u>\$</u>	<u>70,881,000</u>	<u>\$</u>	<u>-0-</u>
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1.19 The amounts that may be spent for each
 1.20 purpose are specified in the following
 1.21 subdivisions. Appropriations in the first year
 1.22 are available for three years beginning July 1,
 1.23 2021, unless otherwise stated in the
 1.24 appropriation. Any unencumbered balance

2.1 remaining in the first year does not cancel and
 2.2 is available for the second year or until the
 2.3 end of the appropriation.

2.4 **Subd. 2. Definition**

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

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

10,459,000

-0-

2.11 **(a) What's Bugging Minnesota's Insect-Eating**
 2.12 **Birds?**

2.13 \$199,000 the first year is from the trust fund
 2.14 to the Board of Regents of the University of
 2.15 Minnesota for the Natural Resources Research
 2.16 Institute to examine the relationship between
 2.17 insect abundance, timing of insect availability,
 2.18 and breeding success for multiple bird species
 2.19 across land-use intensities to develop
 2.20 comprehensive guidelines to conserve bird
 2.21 and insect diversity.

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

2.24 \$811,000 the first year is from the trust fund
 2.25 to the commissioner of natural resources to
 2.26 conduct a statewide inventory to provide
 2.27 baseline data and build in-state knowledge of
 2.28 Minnesota's native stoneworts, a diverse group
 2.29 of aquatic plants that support clear lakes and
 2.30 healthy fish habitat.

2.31 **(c) County Groundwater Atlas**

2.32 \$1,875,000 the first year is from the trust fund
 2.33 to the commissioner of natural resources to
 2.34 continue producing county groundwater

3.1 atlases to inform management of surface water
3.2 and groundwater resources for drinking and
3.3 other purposes. This appropriation is for Part
3.4 B, to characterize the potential water yields of
3.5 aquifers and aquifers' sensitivity to
3.6 contamination.

3.7 **(d) Improving Resiliency and Conservation**
3.8 **Outcomes for Minnesota Turtles**

3.9 \$391,000 the first year is from the trust fund
3.10 to the Minnesota Zoological Garden to
3.11 improve the conservation of Minnesota's
3.12 imperiled turtles through animal husbandry,
3.13 field conservation, and educational
3.14 programming. This appropriation is available
3.15 until June 30, 2025, by which time the project
3.16 must be completed and final products
3.17 delivered.

3.18 **(e) Minnesota Biological Survey**

3.19 \$1,500,000 the first year is from the trust fund
3.20 to the commissioner of natural resources to
3.21 complete the statewide baseline biological
3.22 survey by finalizing data, analyses, and
3.23 publications and by conducting targeted field
3.24 surveys to fill missing gaps of information
3.25 needed to support conservation of Minnesota's
3.26 biodiversity. Any revenues generated through
3.27 the publication of books or other resources
3.28 created through this appropriation may be
3.29 reinvested as described in the work plan
3.30 approved by the Legislative-Citizen
3.31 Commission on Minnesota Resources
3.32 according to Minnesota Statutes, section
3.33 116P.10.

3.34 **(f) Groundwater Contamination Mapping**
3.35 **Project - Phase II**

4.1 \$800,000 the first year is from the trust fund
4.2 to the commissioner of the Pollution Control
4.3 Agency to improve protection of groundwater
4.4 resources for drinking water by expanding the
4.5 web-based interactive groundwater
4.6 contamination mapping system to include all
4.7 other state hazardous and solid waste cleanup
4.8 programs and by upgrading the system to
4.9 collect monitoring data.

4.10 **(g) Geologic Atlases for Water Resource**
4.11 **Management**

4.12 \$3,092,000 the first year is from the trust fund
4.13 to the Board of Regents of the University of
4.14 Minnesota, Minnesota Geological Survey, to
4.15 continue producing county geologic atlases to
4.16 inform management of surface water and
4.17 groundwater resources. This appropriation is
4.18 to complete Part A, which focuses on the
4.19 properties and distribution of earth materials
4.20 to define aquifer boundaries and the
4.21 connection of aquifers to the land surface and
4.22 surface water resources.

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

4.25 \$197,000 the first year is from the trust fund
4.26 to the commissioner of natural resources for
4.27 an agreement with Redwood County for the
4.28 Redwood Soil and Water Conservation District
4.29 to inventory vegetation, evaluate wetland
4.30 conditions, and create a countywide
4.31 stewardship plan for lands protected with
4.32 permanent conservation easements. This
4.33 appropriation may also be spent to conduct
4.34 outreach to volunteers and landowners on
4.35 effective prairie and wetland habitat
4.36 management.

5.1 **(i) Collaborative State and Tribal Wild Rice**
 5.2 **Monitoring Program**

5.3 \$644,000 the first year is from the trust fund
 5.4 to the commissioner of natural resources to
 5.5 work with tribal partners to create a
 5.6 collaborative and comprehensive monitoring
 5.7 program to conserve wild-rice waters, develop
 5.8 remote sensing tools for statewide estimates
 5.9 of wild rice coverage, and collect consistent
 5.10 field data on wild rice health and abundance.

5.11 **(j) Morrison County Performance Drainage and**
 5.12 **Hydrology Management II**

5.13 \$197,000 the first year is from the trust fund
 5.14 to the commissioner of natural resources for
 5.15 an agreement with the Morrison Soil and
 5.16 Water Conservation District to complete the
 5.17 Morrison County culvert inventory started in
 5.18 2016 to help solve landowner conflicts, protect
 5.19 wetlands, improve water quality, and design
 5.20 additional water storage throughout the
 5.21 county.

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

5.24 \$210,000 the first year is from the trust fund
 5.25 to the Board of Regents of the University of
 5.26 Minnesota, Crookston, to work with White
 5.27 Earth Tribal and Community College to
 5.28 catalog bog microbe diversity in Minnesota's
 5.29 ecoregions, test for potential
 5.30 antibiotic-producing microorganisms, and
 5.31 establish methods to enhance any antibiotic
 5.32 cultures discovered.

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

6.1 \$109,000 the first year is from the trust fund
 6.2 to the Board of Regents of the University of
 6.3 Minnesota to inform conservation strategies
 6.4 by comparing the historic and contemporary
 6.5 flora of Minnesota's Big Woods to determine
 6.6 if all species have survived in the small
 6.7 remaining remnants of that ecosystem.

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

6.10 \$129,000 the first year is from the trust fund
 6.11 to the Board of Regents of the University of
 6.12 Minnesota for the Raptor Center to improve
 6.13 wildlife care and environmental stewardship
 6.14 by evaluating the impact of antibiotics
 6.15 administered during captivity on raptor gut
 6.16 microbiome, rehabilitation success, and the
 6.17 potential spread of antimicrobial resistance in
 6.18 the natural environment.

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

6.21 \$305,000 the first year is from the trust fund
 6.22 to the Board of Regents of the University of
 6.23 Minnesota to improve wildlife conservation
 6.24 efforts by using passive acoustic monitoring
 6.25 devices to determine statewide distribution
 6.26 and reproduction of red-headed woodpeckers
 6.27 and developing a protocol for future use of
 6.28 this technology to monitor population trends
 6.29 and responses to habitat management. This
 6.30 appropriation is available until June 30, 2025,
 6.31 by which time the project must be completed
 6.32 and final products delivered.

6.33 **Subd. 4. Water Resources**

4,771,000

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6.34 **(a) Trout Stream Habitat Restoration Success**

7.1 \$319,000 the first year is from the trust fund
 7.2 to the Board of Regents of the University of
 7.3 Minnesota for the Natural Resources Research
 7.4 Institute to evaluate the effectiveness and
 7.5 durability of previous trout stream habitat
 7.6 restoration projects to improve the success and
 7.7 cost effectiveness of future projects. This
 7.8 appropriation is available until June 30, 2025,
 7.9 by which time the project must be completed
 7.10 and final products delivered.

7.11 **(b) Novel Nutrient Recovery Process from**
 7.12 **Wastewater Treatment Plants**

7.13 \$200,000 the first year is from the trust fund
 7.14 to the Board of Regents of the University of
 7.15 Minnesota to conduct lab- and pilot-scale tests
 7.16 of a new process to promote nutrient removal
 7.17 and recovery at rural municipal and industrial
 7.18 wastewater treatment plants for water
 7.19 protection and renewable energy production.

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

7.22 \$416,000 the first year is from the trust fund
 7.23 to the Board of Regents of the University of
 7.24 Minnesota to develop rapid testing,
 7.25 quantification, and human exposure risk
 7.26 assessment models for enveloped viruses such
 7.27 as coronaviruses in urban wastewater and
 7.28 drinking water treatment processes.

7.29 **(d) Microgeographic Impact of Antibiotics**
 7.30 **Released from Identified Hotspots**

7.31 \$508,000 the first year is from the trust fund
 7.32 to the Board of Regents of the University of
 7.33 Minnesota to inform protection of
 7.34 environmental, animal, and human health from
 7.35 proliferation of antibiotic resistance by

8.1 quantifying and mapping the extent of
8.2 antibiotic spread in waters and soils from
8.3 locations identified as release hot spots.

8.4 **(e) Sustainable Irrigation Management:**
8.5 **Expanding a Web Application**

8.6 \$1,139,000 the first year is from the trust fund
8.7 to the Board of Regents of the University of
8.8 Minnesota to promote responsible use of
8.9 Minnesota's groundwater resources by
8.10 expanding an existing irrigation management
8.11 assistance tool into a mobile-compatible web
8.12 application for the top agricultural-producing
8.13 counties in the state. This appropriation is
8.14 available until June 30, 2025, by which time
8.15 the project must be completed and final
8.16 products delivered.

8.17 **(f) Assessing Membrane Bioreactor Wastewater**
8.18 **Treatment Efficacy**

8.19 \$419,000 the first year is from the trust fund
8.20 to the Board of Trustees of the Minnesota
8.21 State Colleges and Universities system for St.
8.22 Cloud State University to conduct a
8.23 comprehensive assessment of membrane
8.24 bioreactor treatment of wastewater to inform
8.25 managers of options for updating or replacing
8.26 aging wastewater infrastructure.

8.27 **(g) Evaluating Coronavirus and Other**
8.28 **Microbiological Contamination of Drinking**
8.29 **Water Sources from Wastewater**

8.30 \$594,000 the first year is from the trust fund
8.31 to the Board of Regents of the University of
8.32 Minnesota to survey public and private wells
8.33 to identify sources of and evaluate solutions
8.34 to microbiological contamination of drinking
8.35 water sources by wastewater, including from
8.36 the virus that causes COVID-19.

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

9.2 \$259,000 the first year is from the trust fund
9.3 to the commissioner of natural resources for
9.4 an agreement with the city of Aurora to install
9.5 sampling wells and conduct a study to
9.6 determine appropriate mitigation of the
9.7 abandoned St. James pit mine to protect
9.8 surface and drinking water and prevent harm
9.9 to homes and residents.

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

9.12 \$485,000 the first year is from the trust fund
9.13 to the commissioner of natural resources for
9.14 an agreement with the Stearns County Soil
9.15 and Water Conservation District to evaluate
9.16 the effectiveness of aging Kernza stands on
9.17 water quality and to continue to develop a
9.18 sustainable supply chain with a focus on
9.19 post-harvest processing of Kernza for water
9.20 protection and local economies.

9.21 **(j) Antibiotic Resistance and Wastewater**
9.22 **Treatment: Problems and Solutions**

9.23 \$432,000 the first year is from the trust fund
9.24 to the commissioner of natural resources for
9.25 an agreement with the University of St.
9.26 Thomas to quantify the ability of full-scale
9.27 wastewater treatment plants to eliminate
9.28 antibiotic resistance genes entering or created
9.29 in the water treatment process before these
9.30 genes are released into the natural
9.31 environment.

9.32 **Subd. 5. Environmental Education**

2,687,000

-0-

9.33 **(a) Increasing Outdoor Learning for Young**
9.34 **Minnesotans**

10.1 \$383,000 the first year is from the trust fund
10.2 to the commissioner of natural resources for
10.3 an agreement with Wolf Ridge Environmental
10.4 Learning Center to provide scholarships for
10.5 equitable access to hands-on learning
10.6 experiences in the outdoors related to outdoor
10.7 recreation, air and energy, water, habitat, and
10.8 fish and wildlife. This appropriation is
10.9 available until June 30, 2025, by which time
10.10 the project must be completed and final
10.11 products delivered.

10.12 **(b) Pollinator Education in the Science**
10.13 **Classroom**

10.14 \$366,000 the first year is from the trust fund
10.15 to the Board of Regents of the University of
10.16 Minnesota to educate approximately 5,000
10.17 students about pollinator conservation by
10.18 providing professional development for
10.19 science teachers to integrate pollinator
10.20 education curriculum and materials into their
10.21 classrooms and by evaluating the program to
10.22 improve its effectiveness.

10.23 **(c) Minnesota Freshwater Quest: Environmental**
10.24 **Education for Youth**

10.25 \$699,000 the first year is from the trust fund
10.26 to the commissioner of natural resources for
10.27 an agreement with Wilderness Inquiry to
10.28 provide place-based STEM environmental
10.29 education to approximately 15,000 diverse
10.30 and underserved Minnesota youth through
10.31 exploration of local ecosystems and waterways
10.32 in the Minnesota Freshwater Quest program.

10.33 **(d) Minnesota Master Naturalist: Nature for**
10.34 **New Minnesotans**

11.1 \$293,000 the first year is from the trust fund
 11.2 to the Board of Regents of the University of
 11.3 Minnesota in partnership with
 11.4 English-language-learning organizations to
 11.5 adapt and incorporate materials developed for
 11.6 Minnesota Master Naturalists into
 11.7 English-language-learning programs to
 11.8 introduce immigrants and English-language
 11.9 learners to Minnesota's great outdoors.

11.10 **(e) The Voyageurs Classroom Initiative**

11.11 \$348,000 the first year is from the trust fund
 11.12 to the commissioner of natural resources for
 11.13 an agreement with Voyageurs Conservancy
 11.14 to launch a new initiative to connect
 11.15 Minnesota youth, young adults, and their
 11.16 families to Voyageurs National Park by
 11.17 learning about the park's waters, wildlife, and
 11.18 forests and by engaging in the park's
 11.19 preservation.

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

11.22 \$420,000 the first year is from the trust fund
 11.23 to the commissioner of natural resources for
 11.24 an agreement with Belwin Conservancy in
 11.25 partnership with Anishinabe Academy to
 11.26 conduct environmental education
 11.27 programming that incorporates ecology and
 11.28 indigenous land traditions and to restore an
 11.29 ecologically significant area of land using
 11.30 modern scientific standards and traditional
 11.31 ecological knowledge.

11.32 **(g) Expanding Access to Environmental**
 11.33 **Education for Underserved Communities**

11.34 \$178,000 the first year is from the trust fund
 11.35 to the Board of Regents of the University of

12.1 Minnesota for the Raptor Center to build
 12.2 environmental literacy and engagement by
 12.3 delivering an environmental education
 12.4 program featuring live raptors and
 12.5 standards-based curriculum to approximately
 12.6 300 classrooms in underserved communities
 12.7 throughout Minnesota.

12.8 **Subd. 6. Aquatic and Terrestrial Invasive**
 12.9 **Species**

6,148,000

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12.10 **(a) Starch Allocation Patterns of Invasive Starry**
 12.11 **Stonewort Harvested from Lake Koronis**

12.12 \$101,000 the first year is from the trust fund
 12.13 to the Board of Trustees of the Minnesota
 12.14 State Colleges and Universities System for
 12.15 Minnesota State University, Mankato, to
 12.16 evaluate the starch allocation patterns of the
 12.17 invasive starry stonewort to identify
 12.18 weaknesses in the plant's growth that could be
 12.19 targeted for management.

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

12.22 \$25,000 the first year is from the trust fund to
 12.23 the commissioner of natural resources for an
 12.24 agreement with Macalester College to begin
 12.25 a long-term scientific study at the Ordway
 12.26 Field Station to provide information to land
 12.27 managers on protecting Minnesota's floodplain
 12.28 forests from combined threats of overabundant
 12.29 deer, invasive shrubs, and earthworms. This
 12.30 appropriation is available until June 30, 2025,
 12.31 by which time the project must be completed
 12.32 and final products delivered. A report on the
 12.33 results of the long-term study must be
 12.34 submitted at the end of the appropriation and
 12.35 an update must be submitted five years after

13.1 the appropriation ends or at the study's
 13.2 conclusion, whichever is first.

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

13.5 \$423,000 the first year is from the trust fund
 13.6 to the commissioner of natural resources for
 13.7 an agreement with the Morrison Soil and
 13.8 Water Conservation District to continue to
 13.9 eradicate the northernmost occurrences of oak
 13.10 wilt in the state through mechanical means on
 13.11 select private properties to prevent oak wilt's
 13.12 spread to healthy state forests.

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

13.15 \$425,000 the first year is from the trust fund
 13.16 to the Board of Regents of the University of
 13.17 Minnesota to establish a biocontrol program
 13.18 to manage the invasive Japanese beetle in a
 13.19 way that reduces insecticide use in bee lawns
 13.20 and pollinator restorations and the associated
 13.21 economic and environmental costs to wildlife
 13.22 and humans.

13.23 **(e) Building Knowledge and Capacity for AIS**
 13.24 **Solutions**

13.25 \$3,750,000 the first year is from the trust fund
 13.26 to the Board of Regents of the University of
 13.27 Minnesota for the Minnesota Aquatic Invasive
 13.28 Species Research Center to conduct
 13.29 high-priority projects aimed at solving
 13.30 Minnesota's aquatic invasive species problems
 13.31 using rigorous science and a collaborative
 13.32 process. Additionally, the appropriation may
 13.33 be spent to deliver research findings to end
 13.34 users through strategic communication and
 13.35 outreach. This appropriation is available until

14.1 June 30, 2025, by which time the project must
14.2 be completed and final products delivered.

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

14.5 \$424,000 the first year is from the trust fund
14.6 to the Board of Regents of the University of
14.7 Minnesota, in cooperation with the United
14.8 States Army Corps of Engineers and the
14.9 Department of Natural Resources, to evaluate
14.10 invasive carp passage and the costs, processes,
14.11 and potential for a state-of-the-art deterrent
14.12 system installed at Mississippi River Lock and
14.13 Dam Number 5 to impede passage of invasive
14.14 carp at this location to protect the upper river.

14.15 **(g) Stop Starry Invasion with Community**
14.16 **Invasive Species Containment**

14.17 \$1,000,000 the first year is from the trust fund
14.18 to the commissioner of natural resources for
14.19 an agreement with Minnesota Lakes and
14.20 Rivers Advocates to work with civic leaders
14.21 to purchase, install, and operate waterless
14.22 cleaning stations for watercraft; conduct
14.23 aquatic invasive species education; and
14.24 implement education upgrades at public
14.25 accesses to prevent invasive starry stonewort
14.26 spread beyond the 16 lakes already infested.
14.27 This appropriation is available until June 30,
14.28 2025, by which time the project must be
14.29 completed and final products delivered.

14.30 **Subd. 7. Air Quality, Climate Change, and**
14.31 **Renewable Energy**

6,205,000

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

14.34 \$312,000 the first year is from the trust fund
14.35 to the Board of Regents of the University of

15.1 Minnesota, Duluth, to design and optimize
 15.2 cost-competitive thermally enhanced heat
 15.3 exchanger systems for use in building
 15.4 foundations to improve energy efficiency and
 15.5 conservation of natural resources in
 15.6 Minnesota's cold climate.

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

15.9 \$2,408,000 the first year is from the trust fund
 15.10 to the Board of Regents of the University of
 15.11 Minnesota, Morris, to implement a rural,
 15.12 community-scale project that demonstrates
 15.13 how a large flow battery connected to solar
 15.14 and wind generation improves grid stability
 15.15 and enhances use of renewable energy.

15.16 **(c) Agrivoltaics to Improve the Environment**
 15.17 **and Farm Resiliency**

15.18 \$646,000 the first year is from the trust fund
 15.19 to the Board of Regents of the University of
 15.20 Minnesota, West Central Research and
 15.21 Outreach Center, Morris, to model and
 15.22 evaluate alternative solar energy system
 15.23 designs to maximize energy production while
 15.24 providing other benefits to cattle and farmers.

15.25 **(d) Behavioral Response of Bald Eagles to**
 15.26 **Acoustic Stimuli**

15.27 \$261,000 the first year is from the trust fund
 15.28 to the Board of Regents of the University of
 15.29 Minnesota, St. Anthony Falls Laboratory, to
 15.30 protect wildlife by designing and
 15.31 implementing an acoustic deterrence protocol
 15.32 to discourage bald eagles from entering
 15.33 hazardous air space near wind energy
 15.34 installations.

16.1 **(e) Create Jobs Statewide by Diverting Materials**
16.2 **from Landfills**

16.3 \$2,244,000 the first year is from the trust fund
16.4 to the commissioner of natural resources for
16.5 agreements with Better Futures Minnesota and
16.6 the Natural Resources Research Institute to
16.7 partner with cities, counties, and businesses
16.8 to create and implement a collection,
16.9 restoration, reuse, and repurpose program that
16.10 diverts used household goods and building
16.11 materials from entering the waste stream and
16.12 thereby reduces greenhouse gas emissions.
16.13 Net income generated by Better Futures
16.14 Minnesota as part of this appropriation may
16.15 be reinvested in the project if a plan for
16.16 reinvestment is approved in the work plan.

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

16.19 \$334,000 the first year is from the trust fund
16.20 to the commissioner of natural resources for
16.21 an agreement with ReUSE Minnesota to
16.22 provide outreach and technical assistance to
16.23 communities and small businesses to increase
16.24 reuse, rental, and repair of consumer goods as
16.25 an alternative to using new materials; to reduce
16.26 solid-waste disposal impacts; and to create
16.27 more local reuse jobs. A fiscal management
16.28 and staffing plan must be approved in the work
16.29 plan before any trust fund dollars are spent.

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

6,429,000

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16.32 **(a) Camp Ripley Sentinel Landscape Forest**
16.33 **Restoration and Enhancements**

16.34 \$731,000 the first year is from the trust fund
16.35 to the commissioner of natural resources for
16.36 an agreement with the Crow Wing Soil and

17.1 Water Conservation District to partner with
 17.2 the Nature Conservancy and Great River
 17.3 Greening to develop forest stewardship plans,
 17.4 restore habitat, and conduct prescribed burns
 17.5 to advance forest restoration and enhancement
 17.6 on public and private lands within an
 17.7 approximate ten-mile radius around Camp
 17.8 Ripley. Notwithstanding subdivision 13,
 17.9 paragraph (e), this appropriation may be spent
 17.10 on forest management plans, fires, and
 17.11 restoration on lands with a long-term contract
 17.12 commitment for forest conservation. The
 17.13 restoration must follow the Board of Water
 17.14 and Soil Resources' native vegetation
 17.15 establishment and enhancement guidelines.

17.16 **(b) Restoring Mussels in Streams and Lakes -**
 17.17 **Continuation**

17.18 \$619,000 the first year is from the trust fund
 17.19 to the commissioner of natural resources to
 17.20 restore native freshwater mussel assemblages
 17.21 and the ecosystem services they provide in the
 17.22 Mississippi, Cedar, and Cannon Rivers and to
 17.23 inform the public on mussels and mussel
 17.24 conservation.

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

17.27 \$631,000 the first year is from the trust fund
 17.28 to the commissioner of natural resources for
 17.29 an agreement with Great River Greening to
 17.30 restore and enhance pollinator habitat in the
 17.31 metropolitan area to benefit pollinators and
 17.32 people and to build knowledge of the impact
 17.33 through community-based monitoring.

17.34 **(d) Preserving Minnesota's Only Ball Cactus**
 17.35 **Population**

18.1 \$103,000 the first year is from the trust fund
 18.2 to the Board of Regents of the University of
 18.3 Minnesota for the Minnesota Landscape
 18.4 Arboretum to move the only known remaining
 18.5 ball cactus population in the state from private
 18.6 to protected land and to propagate and bank
 18.7 ball cactus seeds for education and
 18.8 preservation.

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

18.11 \$217,000 the first year is from the trust fund
 18.12 to the commissioner of transportation to
 18.13 continue to protect biodiversity and enhance
 18.14 pollinator habitat on roadsides by helping to
 18.15 create a self-sufficient prescribed-fire program
 18.16 at the Department of Transportation.

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

18.18 \$193,000 the first year is from the trust fund
 18.19 to the commissioner of natural resources for
 18.20 an agreement with the American Bird
 18.21 Conservancy to restore deciduous forest in
 18.22 partnership with Aitkin, Beltrami, and Cass
 18.23 Counties using science-based best
 18.24 management practices to rejuvenate
 18.25 noncommercial stands for focal wildlife
 18.26 species.

18.27 **(g) Minnesota Green Schoolyards**

18.28 \$250,000 the first year is from the trust fund
 18.29 to the commissioner of natural resources for
 18.30 an agreement with The Trust for Public Land
 18.31 to assess, promote, and demonstrate how
 18.32 schoolyards can be adapted to improve water,
 18.33 air, and habitat quality and to foster
 18.34 next-generation environmental stewards while

19.1 improving health, education, and community
 19.2 outcomes.

19.3 **(h) Plumbing the Muddy Depths of Superior**
 19.4 **Hiking Trail**

19.5 \$187,000 the first year is from the trust fund
 19.6 to the commissioner of natural resources for
 19.7 an agreement with the Superior Hiking Trail
 19.8 Association to install and implement water
 19.9 management practices to prevent erosion and
 19.10 improve access to the Superior Hiking Trail.

19.11 **(i) Reducing Plastic Pollution with**
 19.12 **Biodegradable Erosion Control Products**

19.13 \$200,000 the first year is from the trust fund
 19.14 to the Agricultural Utilization Research
 19.15 Institute in partnership with the Departments
 19.16 of Transportation, Agriculture, and Natural
 19.17 Resources to demonstrate use of regionally
 19.18 grown industrial hemp to create biodegradable
 19.19 alternatives to plastic-based erosion and
 19.20 sediment control products used in
 19.21 transportation construction projects.

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

19.24 \$309,000 the first year is from the trust fund
 19.25 to the Board of Regents of the University of
 19.26 Minnesota, St. Anthony Falls Laboratory, to
 19.27 develop and test remote sensing techniques
 19.28 for cost-effective monitoring of microplastics
 19.29 in lakes, rivers, and streams as well as in
 19.30 wastewater treatment plants. This
 19.31 appropriation is available until June 30, 2025,
 19.32 by which time the project must be completed
 19.33 and final products delivered.

19.34 **(k) Woodcrest Trail Expansion**

20.1 \$16,000 the first year is from the trust fund to
 20.2 the commissioner of natural resources for an
 20.3 agreement with Foundation for Health Care
 20.4 Continuum, doing business as Country Manor
 20.5 Campus, LLC, to construct a trail for public
 20.6 recreational use on land owned by the senior
 20.7 living facility in central Minnesota.

20.8 **(l) Urban Pollinator and Native American**
 20.9 **Cultural Site Restoration**

20.10 \$213,000 the first year is from the trust fund
 20.11 to the commissioner of natural resources for
 20.12 an agreement with Friends of the Mississippi
 20.13 River to restore three urban natural areas,
 20.14 including an iconic Native American cultural
 20.15 site, to native prairie and forest with a focus
 20.16 on important pollinator and culturally
 20.17 significant native plants.

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

20.21 \$288,000 the first year is from the trust fund
 20.22 to the commissioner of natural resources for
 20.23 an agreement with Redwood County for the
 20.24 Redwood Soil and Water Conservation District
 20.25 to increase farmer adoption of conservation
 20.26 practices by demonstrating soil improvements
 20.27 and cost savings of cover crops and alternative
 20.28 tillage compared to conventional practices on
 20.29 working farms. This appropriation is available
 20.30 until June 30, 2025, by which time the project
 20.31 must be completed and final products
 20.32 delivered.

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

20.35 \$198,000 the first year is from the trust fund
 20.36 to the Board of Regents of the University of

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

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

21.9 \$200,000 the first year is from the trust fund
 21.10 to the commissioner of natural resources for
 21.11 an agreement with the Three Rivers Park
 21.12 District to provide water quality improvements
 21.13 through shoreline stabilization, shoreline
 21.14 fishing improvements, and shoreline ADA
 21.15 access on the island in Silver Lake within
 21.16 Silverwood Park.

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

21.18 \$993,000 the first year is from the trust fund
 21.19 to the Board of Water and Soil Resources to
 21.20 provide grants, cost-sharing, and technical
 21.21 assistance to plant residential lawns,
 21.22 community parks, and school landscapes with
 21.23 native vegetation and pollinator-friendly forbs
 21.24 and legumes to protect a diversity of
 21.25 pollinators. Notwithstanding subdivision 13,
 21.26 paragraph (e), this appropriation may be spent
 21.27 on pollinator plantings on lands with a
 21.28 long-term commitment from the landowner.

21.29 **(q) Reintroducing Bison to Spring Lake Park**
 21.30 **Reserve**

21.31 \$560,000 the first year is from the trust fund
 21.32 to the commissioner of natural resources for
 21.33 an agreement with Dakota County, in
 21.34 partnership with the Minnesota Bison
 21.35 Conservation Herd, to establish the holding

22.1 facilities and infrastructure needed to
 22.2 reintroduce American plains bison (*Bison*
 22.3 *bison*) to improve the resiliency and
 22.4 biodiversity of the prairie at Spring Lake Park
 22.5 Reserve.

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

22.7 \$521,000 the first year is from the trust fund
 22.8 to the commissioner of natural resources for
 22.9 an agreement with the city of Champlin to
 22.10 conduct habitat and stream restoration in Elm
 22.11 Creek upstream of Mill Ponds.

22.12 **Subd. 9. Land Acquisition for Habitat and**
 22.13 **Recreation**

32,062,000

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22.14 **(a) Perham to Pelican Rapids Regional Trail**
 22.15 **(McDonald Segment)**

22.16 \$2,245,000 the first year is from the trust fund
 22.17 to the commissioner of natural resources for
 22.18 an agreement with Otter Tail County to
 22.19 construct the McDonald Segment of the
 22.20 Perham to Pelican Rapids Regional Trail to
 22.21 connect the cities of Perham and Pelican
 22.22 Rapids to Maplewood State Park.

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

22.24 \$1,650,000 the first year is from the trust fund
 22.25 to the commissioner of natural resources for
 22.26 an agreement with the St. Louis and Lake
 22.27 Counties Regional Railroad Authority to
 22.28 acquire, engineer, and construct a segment of
 22.29 the Mesabi Trail beginning at the intersection
 22.30 of County State-Aid Highway 88 toward Ely.

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

22.32 \$190,000 the first year is from the trust fund
 22.33 to the commissioner of natural resources for
 22.34 an agreement with Jackson County to create

23.1 a single-track mountain bike trail and expand
 23.2 an associated parking lot in Belmont County
 23.3 Park to address a lack of opportunity for this
 23.4 kind of outdoor recreation in southwest
 23.5 Minnesota.

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

23.8 \$2,250,000 the first year is from the trust fund
 23.9 to the commissioner of natural resources to
 23.10 solicit and rank applications for and fund
 23.11 competitive matching grants for local parks,
 23.12 trail connections, and natural and scenic areas
 23.13 under Minnesota Statutes, section 85.019.
 23.14 Priority must be given to funding projects in
 23.15 the metropolitan area or in other areas of
 23.16 southern Minnesota. For purposes of this
 23.17 paragraph, southern Minnesota is defined as
 23.18 the area of the state south of and including St.
 23.19 Cloud. This appropriation is for local
 23.20 nature-based recreation, connections to
 23.21 regional and state natural areas, and recreation
 23.22 facilities and may not be used for athletic
 23.23 facilities such as sport fields, courts, and
 23.24 playgrounds.

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

23.27 \$2,250,000 the first year is from the trust fund
 23.28 to the Metropolitan Council for grants to
 23.29 acquire land within the approved park
 23.30 boundaries of the metropolitan regional park
 23.31 system. This appropriation must be matched
 23.32 by an equal amount from a combination of
 23.33 Metropolitan Council and local agency funds.

23.34 **(f) Sauk Rapids Lions Park Riverfront**
 23.35 **Improvements**

24.1 \$463,000 the first year is from the trust fund
 24.2 to the commissioner of natural resources for
 24.3 an agreement with the city of Sauk Rapids to
 24.4 design and construct a second phase of
 24.5 upgrades to Lions and Southside Parks
 24.6 including trails, lighting, riverbank restoration,
 24.7 and a canoe and kayak launch to enhance
 24.8 access to the Mississippi River.

24.9 **(g) City of Brainerd - Mississippi Landing**
 24.10 **Trailhead**

24.11 \$2,850,000 the first year is from the trust fund
 24.12 to the commissioner of natural resources for
 24.13 an agreement with the city of Brainerd to
 24.14 design and construct Mississippi Landing
 24.15 Trailhead Park to help connect residents and
 24.16 visitors to the Mississippi River through
 24.17 recreation, education, and restoration.

24.18 **(h) Native Prairie Stewardship and Prairie Bank**
 24.19 **Easement Acquisition**

24.20 \$1,341,000 the first year is from the trust fund
 24.21 to the commissioner of natural resources to
 24.22 provide technical stewardship assistance to
 24.23 private landowners, restore and enhance native
 24.24 prairie protected by easements in the native
 24.25 prairie bank, and acquire easements for the
 24.26 native prairie bank in accordance with
 24.27 Minnesota Statutes, section 84.96, including
 24.28 preparing initial baseline property assessments.
 24.29 Up to \$60,000 of this appropriation may be
 24.30 deposited in the natural resources conservation
 24.31 easement stewardship account created in
 24.32 Minnesota Statutes, section 84.69, proportional
 24.33 to the number of easement acres acquired.

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

25.1 \$330,000 the first year is from the trust fund
 25.2 to the commissioner of natural resources for
 25.3 an agreement with the city of Moose Lake to
 25.4 design and construct a nonmotorized
 25.5 recreational trail in an off-street pedestrian
 25.6 corridor along Highway 73 to connect to
 25.7 several existing regional trails in the Moose
 25.8 Lake area.

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

25.11 \$3,336,000 the first year is from the trust fund
 25.12 to the commissioner of natural resources for
 25.13 the scientific and natural areas (SNA) program
 25.14 to restore, improve, and enhance wildlife
 25.15 habitat on SNAs; increase public involvement
 25.16 and outreach; and strategically acquire lands
 25.17 that meet criteria for SNAs under Minnesota
 25.18 Statutes, section 86A.05, from willing sellers.

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

25.21 \$467,000 the first year is from the trust fund
 25.22 to the commissioner of natural resources for
 25.23 an agreement with the Shell Rock River
 25.24 Watershed District to acquire and restore to
 25.25 wetland a key parcel of land to reduce
 25.26 downstream flooding while providing water
 25.27 storage, groundwater recharge, nutrient
 25.28 reduction, and pollinator and wildlife habitat.

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

25.30 \$100,000 the first year is from the trust fund
 25.31 to the commissioner of natural resources for
 25.32 an agreement with Douglas County in
 25.33 partnership with the Big Ole Bike Club to
 25.34 design and build new expert single-track
 25.35 segments and an asphalt pump track for the

26.1 existing trail system at Lake Brophy Park to
 26.2 improve outdoor recreation experiences in
 26.3 west-central Minnesota.

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

26.5 \$553,000 the first year is from the trust fund
 26.6 to the commissioner of natural resources for
 26.7 an agreement with Lake County for Veterans
 26.8 on the Lake to conduct accessibility upgrades
 26.9 to Veterans on the Lake's existing trails,
 26.10 roadway, and buildings to improve access to
 26.11 the wilderness and outdoor recreation for
 26.12 disabled American veterans.

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

26.15 \$2,700,000 the first year is from the trust fund
 26.16 to the commissioner of natural resources for
 26.17 an agreement with the city of Crane Lake to
 26.18 design and construct an approximate 4,500 to
 26.19 7,000 square-foot visitor center building to
 26.20 serve as an access point to Voyageurs National
 26.21 Park. A fiscal agent or fiscal management plan
 26.22 must be approved in the work plan before any
 26.23 trust fund money is spent. A copy of a
 26.24 resolution or other documentation of the city's
 26.25 commitment to fund operations of the visitor
 26.26 center must be included in the work plan
 26.27 submitted to the Legislative-Citizen
 26.28 Commission on Minnesota Resources.

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

26.31 \$425,000 the first year is from the trust fund
 26.32 to the commissioner of natural resources for
 26.33 an agreement with the city of Brookston to
 26.34 design a campground, boat launch, and
 26.35 outdoor recreation area on the banks of the St.

27.1 Louis River in northeastern Minnesota. A
27.2 fiscal agent must be approved in the work plan
27.3 before any trust fund dollars are spent.

27.4 **(p) Moose and Seven Beaver Multiuse Trails**
27.5 **Upgrade**

27.6 \$900,000 the first year is from the trust fund
27.7 to the commissioner of natural resources for
27.8 an agreement with the city of Hoyt Lakes, in
27.9 partnership with the Ranger Snowmobile and
27.10 ATV Club, to design and construct upgrades
27.11 and extensions to the Moose and Seven Beaver
27.12 multiuse trails to enhance access for recreation
27.13 use and connect to regional trails.

27.14 **(q) Above the Falls Regional Park Acquisition**

27.15 \$950,000 the first year is from the trust fund
27.16 to the commissioner of natural resources for
27.17 an agreement with the Minneapolis Parks and
27.18 Recreation Board to develop a restoration plan
27.19 and acquire approximately 3.25 acres of
27.20 industrial land for public access and habitat
27.21 connectivity along the Mississippi River as
27.22 part of Above the Falls Regional Park.

27.23 **(r) Silver Lake Trail Improvement Project**

27.24 \$1,071,000 the first year is from the trust fund
27.25 to the commissioner of natural resources for
27.26 an agreement with the city of Virginia to
27.27 reconstruct and renovate the walking trail
27.28 around Silver Lake to allow safe multimodal
27.29 transportation between schools, parks,
27.30 community recreation facilities, and other
27.31 community activity centers in downtown
27.32 Virginia.

27.33 **(s) Minnesota State Trails Development**

28.1 \$4,266,000 the first year is from the trust fund
 28.2 to the commissioner of natural resources to
 28.3 expand recreational opportunities on
 28.4 Minnesota state trails by rehabilitating and
 28.5 enhancing existing state trails and replacing
 28.6 or repairing existing state trail bridges. Priority
 28.7 must be given to funding projects in the
 28.8 metropolitan area or in other areas of southern
 28.9 Minnesota. For purposes of this paragraph,
 28.10 southern Minnesota is defined as the area of
 28.11 the state south of and including St. Cloud.

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

28.13 \$825,000 the first year is from the trust fund
 28.14 to the commissioner of natural resources for
 28.15 an agreement with the city of St. Cloud to
 28.16 reroute and upgrade an existing stormwater
 28.17 system in the Highbanks Ravine area to
 28.18 improve an existing bat hibernaculum, reduce
 28.19 erosion, and create additional green space for
 28.20 wildlife habitat.

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

28.22 \$2,560,000 the first year is from the trust fund
 28.23 to the commissioner of natural resources to
 28.24 acquire high-priority inholdings from willing
 28.25 sellers within the legislatively authorized
 28.26 boundaries of state parks, recreation areas, and
 28.27 trails to protect Minnesota's natural heritage,
 28.28 enhance outdoor recreation, and improve the
 28.29 efficiency of public land management.

28.30 **(v) Accessible Fishing Piers and Shore Fishing**
 28.31 **Areas**

28.32 \$340,000 the first year is from the trust fund
 28.33 to the commissioner of natural resources to
 28.34 provide accessible fishing piers and develop
 28.35 shore fishing sites to serve new angling

29.1 communities, underserved populations, and
 29.2 anglers with disabilities.

29.3 **Subd. 10. Administrative and Emerging Issues** 2,120,000 -0-

29.4 **(a) Contract Agreement Reimbursement**

29.5 \$135,000 the first year is from the trust fund
 29.6 to the commissioner of natural resources, at
 29.7 the direction of the Legislative-Citizen
 29.8 Commission on Minnesota Resources, for
 29.9 expenses incurred in preparing and
 29.10 administering contracts for the agreements
 29.11 specified in this section. The commissioner
 29.12 must provide documentation to the
 29.13 Legislative-Citizen Commission on Minnesota
 29.14 Resources on the expenditure of these funds.

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

29.17 \$1,750,000 the first year is from the trust fund
 29.18 to the Legislative-Citizen Commission on
 29.19 Minnesota Resources for administration in
 29.20 fiscal years 2022 and 2023 as provided in
 29.21 Minnesota Statutes, section 116P.09,
 29.22 subdivision 5. This appropriation is available
 29.23 until June 30, 2023. Notwithstanding
 29.24 Minnesota Statutes, section 116P.11,
 29.25 paragraph (b), Minnesota Statutes, section
 29.26 16A.281, applies to this appropriation.

29.27 **(c) Emerging Issues Account**

29.28 \$233,000 the first year is from the trust fund
 29.29 to an emerging issues account authorized in
 29.30 Minnesota Statutes, section 116P.08,
 29.31 subdivision 4, paragraph (d).

29.32 **(d) Legislative Coordinating Commission (LCC)**
 29.33 **Administration**

30.1 \$2,000 the first year is from the trust fund to
30.2 the Legislative Coordinating Commission for
30.3 the website required in Minnesota Statutes,
30.4 section 3.303, subdivision 10.

30.5 **Subd. 11. Availability of Appropriations**

30.6 Money appropriated in this section may not
30.7 be spent on activities unless they are directly
30.8 related to and necessary for a specific
30.9 appropriation and are specified in the work
30.10 plan approved by the Legislative-Citizen
30.11 Commission on Minnesota Resources. Money
30.12 appropriated in this section must not be spent
30.13 on indirect costs or other institutional overhead
30.14 charges that are not directly related to and
30.15 necessary for a specific appropriation. Costs
30.16 that are directly related to and necessary for
30.17 an appropriation, including financial services,
30.18 human resources, information services, rent,
30.19 and utilities, are eligible only if the costs can
30.20 be clearly justified and individually
30.21 documented specific to the appropriation's
30.22 purpose and would not be generated by the
30.23 recipient but for receipt of the appropriation.
30.24 No broad allocations for costs in either dollars
30.25 or percentages are allowed. Unless otherwise
30.26 provided, the amounts in this section are
30.27 available until June 30, 2024, when projects
30.28 must be completed and final products
30.29 delivered. For acquisition of real property, the
30.30 appropriations in this section are available for
30.31 an additional fiscal year if a binding contract
30.32 for acquisition of the real property is entered
30.33 into before the expiration date of the
30.34 appropriation. If a project receives a federal

- 31.1 grant, the period of the appropriation is
 31.2 extended to equal the federal grant period.
- 31.3 **Subd. 12. Data Availability Requirements**
- 31.4 Data collected by the projects funded under
 31.5 this section must conform to guidelines and
 31.6 standards adopted by Minnesota IT Services.
 31.7 Spatial data must also conform to additional
 31.8 guidelines and standards designed to support
 31.9 data coordination and distribution that have
 31.10 been published by the Minnesota Geospatial
 31.11 Information Office. Descriptions of spatial
 31.12 data must be prepared as specified in the state's
 31.13 geographic metadata guideline and must be
 31.14 submitted to the Minnesota Geospatial
 31.15 Information Office. All data must be
 31.16 accessible and free to the public unless made
 31.17 private under the Data Practices Act,
 31.18 Minnesota Statutes, chapter 13. To the extent
 31.19 practicable, summary data and results of
 31.20 projects funded under this section should be
 31.21 readily accessible on the Internet and
 31.22 identified as having received funding from the
 31.23 environment and natural resources trust fund.
- 31.24 **Subd. 13. Project Requirements**
- 31.25 (a) As a condition of accepting an
 31.26 appropriation under this section, an agency or
 31.27 entity receiving an appropriation or a party to
 31.28 an agreement from an appropriation must
 31.29 comply with paragraphs (b) to (l) and
 31.30 Minnesota Statutes, chapter 116P, and must
 31.31 submit a work plan and annual or semiannual
 31.32 progress reports in the form determined by the
 31.33 Legislative-Citizen Commission on Minnesota
 31.34 Resources for any project funded in whole or
 31.35 in part with funds from the appropriation.

32.1 Modifications to the approved work plan and
32.2 budget expenditures must be made through
32.3 the amendment process established by the
32.4 Legislative-Citizen Commission on Minnesota
32.5 Resources.

32.6 (b) A recipient of money appropriated in this
32.7 section that conducts a restoration using funds
32.8 appropriated in this section must use native
32.9 plant species according to the Board of Water
32.10 and Soil Resources' native vegetation
32.11 establishment and enhancement guidelines
32.12 and include an appropriate diversity of native
32.13 species selected to provide habitat for
32.14 pollinators throughout the growing season as
32.15 required under Minnesota Statutes, section
32.16 84.973.

32.17 (c) For all restorations conducted with money
32.18 appropriated under this section, a recipient
32.19 must prepare an ecological restoration and
32.20 management plan that, to the degree
32.21 practicable, is consistent with the
32.22 highest-quality conservation and ecological
32.23 goals for the restoration site. Consideration
32.24 should be given to soil, geology, topography,
32.25 and other relevant factors that would provide
32.26 the best chance for long-term success and
32.27 durability of the restoration project. The plan
32.28 must include the proposed timetable for
32.29 implementing the restoration, including site
32.30 preparation, establishment of diverse plant
32.31 species, maintenance, and additional
32.32 enhancement to establish the restoration;
32.33 identify long-term maintenance and
32.34 management needs of the restoration and how
32.35 the maintenance, management, and

- 33.1 enhancement will be financed; and take
33.2 advantage of the best-available science and
33.3 include innovative techniques to achieve the
33.4 best restoration.
- 33.5 (d) An entity receiving an appropriation in this
33.6 section for restoration activities must provide
33.7 an initial restoration evaluation at the
33.8 completion of the appropriation and an
33.9 evaluation three years after the completion of
33.10 the expenditure. Restorations must be
33.11 evaluated relative to the stated goals and
33.12 standards in the restoration plan, current
33.13 science, and, when applicable, the Board of
33.14 Water and Soil Resources' native vegetation
33.15 establishment and enhancement guidelines.
33.16 The evaluation must determine whether the
33.17 restorations are meeting planned goals,
33.18 identify any problems with implementing the
33.19 restorations, and, if necessary, give
33.20 recommendations on improving restorations.
33.21 The evaluation must be focused on improving
33.22 future restorations.
- 33.23 (e) All restoration and enhancement projects
33.24 funded with money appropriated in this section
33.25 must be on land permanently protected by a
33.26 conservation easement or public ownership.
- 33.27 (f) A recipient of money from an appropriation
33.28 under this section must give consideration to
33.29 contracting with Conservation Corps
33.30 Minnesota for contract restoration and
33.31 enhancement services.
- 33.32 (g) All conservation easements acquired with
33.33 money appropriated under this section must:
- 33.34 (1) be permanent;

- 34.1 (2) specify the parties to an easement in the
34.2 easement;
- 34.3 (3) specify all provisions of an agreement that
34.4 are permanent;
- 34.5 (4) be sent to the Legislative-Citizen
34.6 Commission on Minnesota Resources in an
34.7 electronic format at least ten business days
34.8 before closing;
- 34.9 (5) include a long-term monitoring and
34.10 enforcement plan and funding for monitoring
34.11 and enforcing the easement agreement; and
- 34.12 (6) include requirements in the easement
34.13 document to protect the quantity and quality
34.14 of groundwater and surface water through
34.15 specific activities such as keeping water on
34.16 the landscape, reducing nutrient and
34.17 contaminant loading, and not permitting
34.18 artificial hydrological modifications.
- 34.19 (h) For any acquisition of lands or interest in
34.20 lands, a recipient of money appropriated under
34.21 this section must not agree to pay more than
34.22 100 percent of the appraised value for a parcel
34.23 of land using this money to complete the
34.24 purchase, in part or in whole, except that up
34.25 to ten percent above the appraised value may
34.26 be allowed to complete the purchase, in part
34.27 or in whole, using this money if permission is
34.28 received in advance of the purchase from the
34.29 Legislative-Citizen Commission on Minnesota
34.30 Resources.
- 34.31 (i) For any acquisition of land or interest in
34.32 land, a recipient of money appropriated under
34.33 this section must give priority to high-quality

35.1 natural resources or conservation lands that
35.2 provide natural buffers to water resources.

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

35.11 (k) To ensure public accountability for using
35.12 public funds, a recipient of money
35.13 appropriated under this section must, within
35.14 60 days of the transaction, provide to the
35.15 Legislative-Citizen Commission on Minnesota
35.16 Resources documentation of the selection
35.17 process used to identify parcels acquired and
35.18 provide documentation of all related
35.19 transaction costs, including but not limited to
35.20 appraisals, legal fees, recording fees,
35.21 commissions, other similar costs, and
35.22 donations. This information must be provided
35.23 for all parties involved in the transaction. The
35.24 recipient must also report to the
35.25 Legislative-Citizen Commission on Minnesota
35.26 Resources any difference between the
35.27 acquisition amount paid to the seller and the
35.28 state-certified or state-reviewed appraisal, if
35.29 a state-certified or state-reviewed appraisal
35.30 was conducted.

35.31 (l) A recipient of an appropriation from the
35.32 trust fund under this section must acknowledge
35.33 financial support from the environment and
35.34 natural resources trust fund in project
35.35 publications, signage, and other public

36.1 communications and outreach related to work
36.2 completed using the appropriation.
36.3 Acknowledgment may occur, as appropriate,
36.4 through use of the trust fund logo or inclusion
36.5 of language attributing support from the trust
36.6 fund. Each direct recipient of money
36.7 appropriated in this section, as well as each
36.8 recipient of a grant awarded pursuant to this
36.9 section, must satisfy all reporting and other
36.10 requirements incumbent upon constitutionally
36.11 dedicated funding recipients as provided in
36.12 Minnesota Statutes, section 3.303, subdivision
36.13 10, and chapter 116P.

36.14 **Subd. 14. Payment Conditions and**
36.15 **Capital-Equipment Expenditures**

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

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

37.3 **Subd. 15. Purchasing Recycled and Recyclable**
 37.4 **Materials**

37.5 A political subdivision, public or private
 37.6 corporation, or other entity that receives an
 37.7 appropriation under this section must use the
 37.8 appropriation in compliance with Minnesota
 37.9 Statutes, section 16C.0725, regarding
 37.10 purchasing recycled, repairable, and durable
 37.11 materials and Minnesota Statutes, section
 37.12 16C.073, regarding purchasing and using
 37.13 paper stock and printing.

37.14 **Subd. 16. Energy Conservation and Sustainable**
 37.15 **Building Guidelines**

37.16 A recipient to whom an appropriation is made
 37.17 under this section for a capital improvement
 37.18 project must ensure that the project complies
 37.19 with the applicable energy conservation and
 37.20 sustainable building guidelines and standards
 37.21 contained in law, including Minnesota
 37.22 Statutes, sections 16B.325, 216C.19, and
 37.23 216C.20, and rules adopted under those
 37.24 sections. The recipient may use the energy
 37.25 planning, advocacy, and State Energy Office
 37.26 units of the Department of Commerce to
 37.27 obtain information and technical assistance
 37.28 on energy conservation and alternative-energy
 37.29 development relating to planning and
 37.30 constructing the capital improvement project.

37.31 **Subd. 17. Accessibility**

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

38.1 **Subd. 18. Carryforward; Extension**

38.2 (a) Notwithstanding Minnesota Statutes,
38.3 section 16A.28, or any other law to the
38.4 contrary, the availability of any appropriation
38.5 or grant of money from the environment and
38.6 natural resources trust fund that would
38.7 otherwise cancel, lapse, or expire on June 30,
38.8 2021, is extended to June 30, 2022, if the
38.9 recipient or grantee does both of the following:

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

38.16 (2) modifies the applicable work plan where
38.17 required by Minnesota Statutes, section
38.18 116P.05, subdivision 2, in accordance with
38.19 the work plan amendment procedures adopted
38.20 under that section.

38.21 (b) The commission must notify the
38.22 commissioner of management and budget and
38.23 the commissioner of natural resources of any
38.24 extension granted under this section.

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