

## II. Projects Funded Preceding Biennium

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*“a description of each project receiving money from the trust fund during the preceding biennium;”*

The following documents include:

- Summaries and descriptions of projects funded in FY2024 (beginning July 1, 2023).
  - Full work plans are available at the LCCMR, Centennial Office Building 1<sup>st</sup> Floor, 658 Cedar Street and on the LCCMR website <http://www.lccmr.mn.gov/> (click on the tab titled “Projects Funded”).
- Summaries and descriptions of projects funded in FY2025 (beginning July 1, 2024).
  - Full work plans are available at the LCCMR, Centennial Office Building 1<sup>st</sup> Floor, 658 Cedar Street and on the LCCMR website <http://www.lccmr.mn.gov/> (click on the tab titled “Projects Funded”).
- Legal Citations
  - FY2024 - M.L. 2023, Chapter 60, Article 2, Sec. 2 (86 projects for a total of \$79,833,000 - \$79,644,000 FY24 ENRTF, \$189,000 GLPA, and transfer from FY22 \$176,000)
  - FY2025 - M.L. 2024, Chapter 83, Sec. 2 (101 projects for a total of \$79,644,000 - FY25 ENRTF)



**FY2024 - MN Laws 2023, Chapter 60, Article 2, Section 2**



## M.L. 2023 Environment and Natural Resources Trust Fund (ENRTF) Appropriations by Subdivision

### Process for M.L. 2023

For FY 2024 (July 1, 2023 -June 30, 2024), approximately \$79 million was available for funding from the Environment and Natural Resources Trust Fund (ENRTF) and approximately \$189,000 was available from the Great Lakes Protection Account (GLPA).

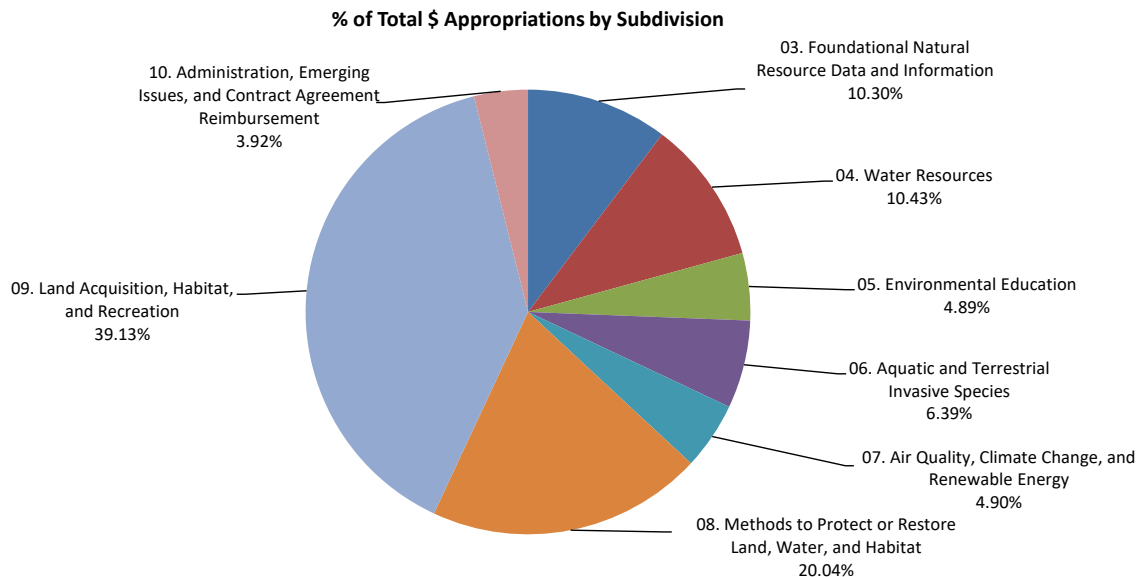
The Legislative-Citizen Commission on Minnesota Resources (LCCMR) selected 85 projects totaling \$79,833,000 to recommend to the 2023 Minnesota Legislature for funding from the ENRTF and the GLPA. The recommendations were a result of the LCCMR's 2023 Request for Proposal (RFP) process in which 174 proposals requesting a total of approximately \$164 million were received and considered through a competitive, multi-stage evaluation. The recommendations ranged from funding the full proposal and dollar amount requested to partial funding for specific proposal elements.

On May 18, 2023, the Legislature approved the 85 projects for funding from the ENRTF and the GLPA, as recommended by the LCCMR. The Legislature also added one additional appropriation using unspent funds from a previous project. On May 24, 2023, the 86 appropriations were signed into law by the Governor as M.L. 2023, Chapter 60, Article 2, with \$79,644,000 from the ENRTF, \$176,000 recaptured from a prior fiscal year, and \$189,000 from the GLPA, for \$80,009,000 in total appropriations.

March 25, 2022	RFP Issued
May 26, 2022	RFP Proposal Deadline (174 proposals received totaling ~\$164 million)
July 25, 2022	Selection of Proposals for Further Consideration and Presentations
August 8-10 & 16-17, 2022	Proposal Presentations
August 30, 2022	Allocation and Recommendations
September - November, 2022	Recommended Projects Undergo Work Plan Development; Research Projects Undergo Peer Review
December 8 & 20, 2022	Appropriation Language Review and Adoption

### Summary of Appropriations by Subdivision

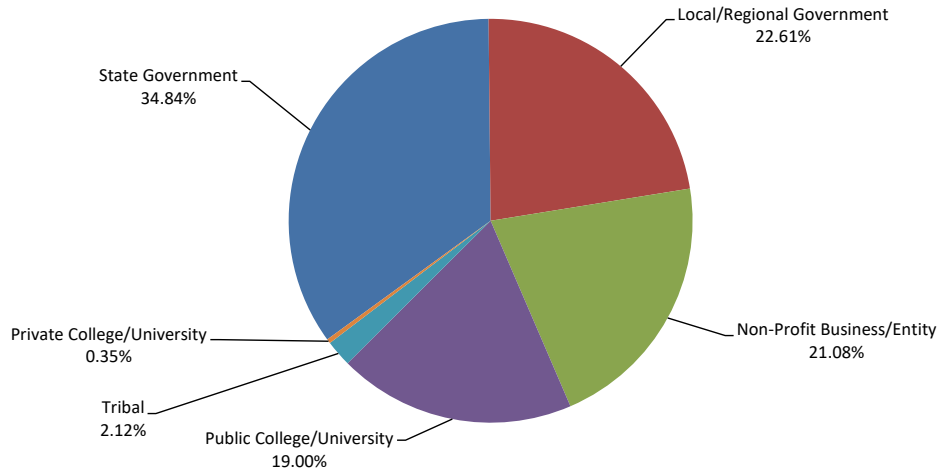
Subdivision	\$ Appropriations	\$ Percent	# Appropriations	# Percent
03. Foundational Natural Resource Data and Information	\$8,219,000	10.30%	19	22.35%
04. Water Resources	\$8,328,000	10.43%	13	15.29%
05. Environmental Education	\$3,905,000	4.89%	8	9.41%
06. Aquatic and Terrestrial Invasive Species	\$5,104,000	6.39%	2	2.35%
07. Air Quality, Climate Change, and Renewable Energy	\$3,913,000	4.90%	6	7.06%
08. Methods to Protect or Restore Land, Water, and Habitat	\$15,997,000	20.04%	18	21.18%
09. Land Acquisition, Habitat, and Recreation	\$31,241,000	39.13%	15	17.65%
10. Administration, Emerging Issues, and Contract Agreement Reimbursement	\$3,126,000	3.92%	4	4.71%
<b>Total</b>	<b>\$79,833,000</b>	<b>100.00%</b>	<b>85</b>	<b>100.00%</b>



**Summary of Appropriations by Proposer Affiliation**

Affiliation Type	\$ Appropriations	\$ Percent	# Appropriations	# Percent
State Government	\$27,813,000	34.84%	21	24.71%
Local/Regional Government	\$18,050,000	22.61%	17	20.00%
Non-Profit Business/Entity	\$16,832,000	21.08%	21	24.71%
Public College/University	\$15,166,000	19.00%	24	28.24%
Tribal	\$1,693,000	2.12%	1	1.18%
Private College/University	\$279,000	0.35%	1	1.18%
<b>Total</b>	<b>\$79,833,000</b>	<b>100.00%</b>	<b>85</b>	<b>100.00%</b>

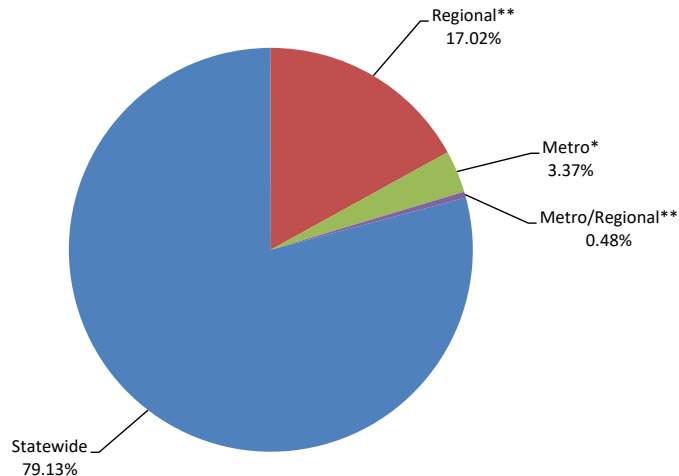
**% of Total \$ Appropriations by Proposer Affiliation**



**Summary of Appropriations by Area of Impact**

Areas of Impact	\$ Appropriations	\$ Percent	# Appropriations	# Percent
Statewide	\$63,170,000	79.13%	62	72.94%
Regional**	\$13,587,000	17.02%	16	18.82%
Metro*	\$2,692,000	3.37%	5	5.88%
Metro/Regional**	\$384,000	0.48%	2	2.35%
<b>Total</b>	<b>\$79,833,000</b>	<b>100.00%</b>	<b>85</b>	<b>100.00%</b>

**% of Total \$ Appropriations by Area of Impact**



\* "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.

**M.L. 2023 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations for FY 2024**

On May 18, 2023, the Legislature approved 85 projects for funding from the Environment and Natural Resources Trust Fund (ENRTF) and the Great Lakes Protection Account (GLPA), as recommended by the Legislative-Citizen Commission on Minnesota Resources (LCCMR). The Legislature also added one additional appropriation using unspent funds from a previous project. On May 24, 2023, the 86 appropriations were signed into law by the Governor as M.L. 2023, Chapter 60, Article 2, with \$79,644,000 from the ENRTF, \$176,000 recaptured from a prior fiscal year, and \$189,000 from the GLPA, for \$80,009,000 in total appropriations.

Topic Area	FY2024 ENRTF \$	Great Lakes Protection Account	Total ENRTF \$ Appropriated	Percentage of Total Appropriation
<b>Subd. 03 Foundational Natural Resource Data and Information</b> 19 Appropriations	\$8,219,000	\$0	\$8,219,000	10.30%
<b>Subd. 04 Water Resources</b> 13 Appropriations	\$8,139,000	\$189,000	\$8,328,000	10.43%
<b>Subd. 05 Environmental Education</b> 8 Appropriations	\$3,905,000	\$0	\$3,905,000	4.89%
<b>Subd. 06 Aquatic and Terrestrial Invasive Species</b> 2 Appropriations	\$5,104,000	\$0	\$5,104,000	6.39%
<b>Subd. 07 Air Quality, Climate Change, and Renewable Energy</b> 6 Appropriations	\$3,913,000	\$0	\$3,913,000	4.90%
<b>Subd. 08 Methods to Protect or Restore Land, Water, and Habitat</b> 18 Appropriations	\$15,997,000	\$0	\$15,997,000	20.04%
<b>Subd. 09 Land Acquisition, Habitat, and Recreation</b> 15 Appropriations	\$31,241,000	\$0	\$31,241,000	39.13%
<b>Subd. 10 Administration, Emerging Issues, and Contract Agreement Reimbursement</b> 4 Appropriations	\$3,126,000	\$0	\$3,126,000	3.92%
<b>Subd. 19 Repurpose</b> 1 Appropriation	\$0	\$0	\$0	0.00%
<b>Total Appropriations</b>	<b>\$79,644,000</b>	<b>\$189,000</b>	<b>\$79,833,000</b>	<b>100.00%</b>

Fund Source	\$ Amount
FY 2024 - Environment and Natural Resources Trust Fund (ENRTF)	\$79,644,000
Great Lakes Protection Account (GLPA)	\$189,000
REPURPOSE FROM - Restoring Upland Forests for Birds M.L. 2021, First Special Session, Chp.6, Art.6, Sec. 2, Subd. 08f	-\$176,000
REPURPOSE TO - Neonicotinoid Impacts on Minnesota Deer and Prairie Chickens	\$176,000
<b>Total \$</b>	<b>\$79,833,000</b>

**M.L. 2023 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations without Summary for FY 2024**

Subd.	Proposal ID	Title	Organization	Project Manager	FY2024 ENRTF \$	Great Lakes Protection Account	Total ENRTF \$ Appropriated	Region*
<b>Subd. 03 Foundational Natural Resource Data and Information (19 Appropriations = \$8,219,000)</b>								
03a	2023-044	Assessing Restorations for Rusty-Patched and Other Bumblebee Habitat	Friends of the Mississippi River	Alex Roth	\$75,000	\$0	\$75,000	Metro
03b	2023-066	Removing Barriers to Carbon Market Entry	U of MN, College of Food, Agricultural and Natural Resource Sciences	John Zobel	\$482,000	\$0	\$482,000	Statewide
03c	2023-072	Mapping Migratory Bird Pit Stops in Minnesota	Audubon Minnesota	Dale Gentry	\$340,000	\$0	\$340,000	Statewide
03d	2023-086	Enhancing Knowledge of Minnesota River Fish Ecology	MN DNR, Fish and Wildlife Division	Anthony Sindt	\$199,000	\$0	\$199,000	Metro, SE, SW
03e	2023-090	Changing Distribution of Flying Squirrel Species in Minnesota	U of MN, Duluth - NRRI	Michael Joyce	\$186,000	\$0	\$186,000	Statewide
03f	2023-092	Statewide Forest Carbon Inventory and Change Mapping	MN DNR, Forestry Division	David Wilson	\$987,000	\$0	\$987,000	Statewide
03g	2023-120	Predicting the Future of Aquatic Species by Understanding the Past	U of MN, College of Food, Agricultural and Natural Resource Sciences	Lynn Waterhouse	\$170,000	\$0	\$170,000	Statewide
03h	2023-139	Assessing Status of Common Tern Populations in Minnesota	U of MN, Duluth - NRRI	Annie Bracey	\$199,000	\$0	\$199,000	Statewide
03i	2023-146	Salvaged Wildlife to Inform Environmental Health, Ecology, and Education	U of MN, Bell Museum of Natural History	Sushma Reddy	\$486,000	\$0	\$486,000	Statewide
03j	2023-154	Developing Conservation Priorities for Rare and Specialist Bees	U of MN, College of Food, Agricultural and Natural Resource Sciences	Daniel Cariveau	\$619,000	\$0	\$619,000	Statewide
03k	2023-169	Efficacy of Urban Archery Hunting to Manage Deer	Minnesota State Colleges and Universities, Bemidji State University	Jacob Haus	\$393,000	\$0	\$393,000	NW
03l	2023-183	Mapping the Ecology of Urban and Rural Canids	U of MN, College of Food, Agricultural and Natural Resource Sciences	James Forester	\$601,000	\$0	\$601,000	Central, Metro
03m	2023-186	Maximizing Lowland Conifer Ecosystem Services - Phase II	U of MN, College of Food, Agricultural and Natural Resource Sciences	Marcella Windmuller-Campione	\$482,000	\$0	\$482,000	Central, NE, NW
03n	2023-209	Modernizing Minnesota's Wildlife (and Plant) Action Plan	MN DNR, Ecological and Water Resources Division	Kristin Hall	\$889,000	\$0	\$889,000	Statewide
03o	2023-217	Linking Breeding and Migratory Bird Populations in Minnesota	Hawk Ridge Bird Observatory	Janelle Long	\$199,000	\$0	\$199,000	Statewide
03p	2023-218	Old Growth Forest Monitoring	MN DNR, Ecological and Water Resources Division	Emily Peters	\$441,000	\$0	\$441,000	Statewide



**M.L. 2023 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations without Summary for FY 2024**

Subd.	Proposal ID	Title	Organization	Project Manager	FY2024 ENRTF \$	Great Lakes Protection Account	Total ENRTF \$ Appropriated	Region*
03q	2023-222	Integrating Remotely Sensed Data with Traditional Forest Inventory	U of MN, Duluth - NRRRI	John Du Plissis	\$191,000	\$0	\$191,000	NE
03r	2023-232	Community Response Monitoring for Adaptive Management in Southeast Minnesota	The Nature Conservancy	David Ruff	\$483,000	\$0	\$483,000	SE
03s	2023-248	Minnesota Biodiversity Atlas - Phase III	U of MN, Bell Museum of Natural History	George Weiblen	\$797,000	\$0	\$797,000	Statewide
				<b>Subtotal =</b>	<b>\$8,219,000</b>	<b>\$0</b>	<b>\$8,219,000</b>	
<b>Subd. 04 Water Resources (13 Appropriations = \$8,328,000)</b>								
04a	2023-004	Ditching Delinquent Ditches: Optimizing Wetland Restoration	U of MN, College of Science and Engineering	Andrew Wickert	\$199,000	\$0	\$199,000	Statewide
04b	2023-022	Assessment of Red River Basin Project Outcomes	Red River Basin Flood Damage Reduction Work Group	Andrew Graham	\$920,000	\$0	\$920,000	NW
04c	2023-026	Wind Wave and Boating Impacts on Inland Lakes	U of MN, St. Anthony Falls Laboratory	Jeffrey Marr	\$415,000	\$0	\$415,000	Statewide
04d	2023-063	Finding, Capturing, and Destroying PFAS in Minnesota Waters	U of MN, College of Science and Engineering	William Arnold	\$478,000	\$0	\$478,000	Statewide
04e	2023-074	Sinking and Suspended Microplastic Particles in Lake Superior	U of MN, Duluth - Large Lakes Observatory	Elizabeth Minor	\$223,000	\$189,000	\$412,000	NE
04f	2023-107	Ecotoxicological Impacts of Quinone Outside Inhibitor (QoI) Fungicides	University of St. Thomas	Kristine Wammer	\$279,000	\$0	\$279,000	Statewide
04g	2023-129	Brightsdale Dam Channel Restoration	Fillmore County Soil and Water Conservation District	Riley Buley	\$1,004,000	\$0	\$1,004,000	SE
04h	2023-134	Mapping Aquifer Recharge Potential	U of MN, St. Anthony Falls Laboratory	Peter Kang	\$391,000	\$0	\$391,000	Statewide
04i	2023-137	ALASD's Chloride Source Reduction Pilot Program	Alexandria Lake Area Sanitary District (ALASD)	Scott Gilbertson	\$764,000	\$0	\$764,000	Central
04j	2023-215	Removing CECs from Stormwater with Biofiltration	U of MN, St. Anthony Falls Laboratory	Andy Erickson	\$641,000	\$0	\$641,000	Metro
04k	2023-237	Didymo II The North Shore Threat Continues	Science Museum of Minnesota, St. Croix Watershed Research Station	Mark Edlund	\$394,000	\$0	\$394,000	NE
04l	2023-238	Leveraging Data Analytics Innovations for Watershed District Planning	Minnehaha Creek Watershed District	Brian Beck	\$738,000	\$0	\$738,000	Statewide
04m	2023-247	Protecting Water in the Central Sands Region of the Mississippi River Headwaters	White Earth Band of Minnesota Chippewa Indians	Jamie Konopacky	\$1,693,000	\$0	\$1,693,000	Central
				<b>Subtotal =</b>	<b>\$8,139,000</b>	<b>\$189,000</b>	<b>\$8,328,000</b>	

**M.L. 2023 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations without Summary for FY 2024**

Subd.	Proposal ID	Title	Organization	Project Manager	FY2024 ENRTF \$	Great Lakes Protection Account	Total ENRTF \$ Appropriated	Region*
<b>Subd. 05 Environmental Education (8 Appropriations = \$3,905,000)</b>								
05a	2023-008	Fostering Conservation by Connecting Students to the BWCA	Friends of the Boundary Waters Wilderness	Alison Nyenhuis	\$1,080,000	\$0	\$1,080,000	Statewide
05b	2023-051	Statewide Environmental Education via PBS Outdoor Series	Pioneer PBS	Cindy Dorn	\$391,000	\$0	\$391,000	Statewide
05c	2023-062	Increasing Diversity in Environmental Careers	MN DNR, Operational Services Division (OSD)	Mimi Daniel	\$763,000	\$0	\$763,000	Statewide
05d	2023-167	Reducing Biophobia & Fostering Environmental Stewardship in Underserved Schools	U of MN, Raptor Center	Victoria Hall	\$180,000	\$0	\$180,000	Statewide
05e	2023-185	Sharing Minnesota's Biggest Environmental Investment	Science Museum of Minnesota	Joy Hobbs	\$628,000	\$0	\$628,000	Statewide
05f	2023-201	North Shore Private Forestry Outreach and Implementation	Sugarloaf: The North Shore Stewardship Association	Molly Thompson	\$375,000	\$0	\$375,000	NE
05g	2023-223	Teaching Students about Watersheds through Outdoor Science	Minnesota Trout Unlimited	John Lenczewski	\$290,000	\$0	\$290,000	Statewide
05h	2023-229	Bioblitz Urban Parks: Engaging Communities in Scientific Efforts	Minneapolis Park and Recreation Board	MaryLynn Pulscher	\$198,000	\$0	\$198,000	Metro
				<b>Subtotal =</b>	<b>\$3,905,000</b>	<b>\$0</b>	<b>\$3,905,000</b>	
<b>Subd. 06 Aquatic and Terrestrial Invasive Species (2 Appropriations = \$5,104,000)</b>								
06a	2023-153	Northward Expansion of Ecologically Damaging Amphibians and Reptiles	U of MN, College of Food, Agricultural and Natural Resource Sciences	Kenneth Kozak	\$163,000	\$0	\$163,000	Statewide
06b	2023-176	Developing Research-Based Solutions to Minnesota's AIS Problems	U of MN, MAISRC	Cori Mattke	\$4,941,000	\$0	\$4,941,000	Statewide
				<b>Subtotal =</b>	<b>\$5,104,000</b>	<b>\$0</b>	<b>\$5,104,000</b>	
<b>Subd. 07 Air Quality, Climate Change, and Renewable Energy (6 Appropriations = \$3,913,000)</b>								
07a	2023-013	Community Forestry AmeriCorps	ServeMinnesota	Sharon Delcambre	\$1,500,000	\$0	\$1,500,000	Statewide
07b	2023-043	Biochar Implementation in Habitat Restoration: A Pilot	Great River Greening	Todd Rexine	\$185,000	\$0	\$185,000	Central, Metro, SE
07c	2023-101	Completing Installment of the Minnesota Ecological Monitoring Network	MN DNR, Ecological and Water Resources Division	Holly Bernardo	\$1,094,000	\$0	\$1,094,000	Statewide
07d	2023-152	Lichens as Low-Cost Air Quality Monitors in Minnesota	U of MN, College of Biological Sciences	Natalia Mossmann Koch	\$341,000	\$0	\$341,000	Statewide
07e	2023-171	Environment-Friendly Decarbonizing of Steel Production with Hydrogen Plasma	U of MN, College of Science and Engineering	Uwe Kortshagen	\$739,000	\$0	\$739,000	Statewide
07f	2023-240	Economic Analysis Guide for Minnesota Climate Investments	Minnesota Pollution Control Agency	David Bael	\$54,000	\$0	\$54,000	Statewide

**M.L. 2023 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations without Summary for FY 2024**

Subd.	Proposal ID	Title	Organization	Project Manager	FY2024 ENRTF \$	Great Lakes Protection Account	Total ENRTF \$ Appropriated	Region*
				Subtotal =	\$3,913,000	\$0	\$3,913,000	
<b>Subd. 08 Methods to Protect or Restore Land, Water, and Habitat (18 Appropriations = \$15,997,000)</b>								
08a	2023-006	Minnesota Bee and Beneficial Species Habitat Enhancement II	Pheasants Forever Inc.	Sabin Adams	\$876,000	\$0	\$876,000	Statewide
08b	2023-010	Karner Blue Butterfly Insurance Population Establishment in Minnesota	Three Rivers Park District	John Moriarty	\$405,000	\$0	\$405,000	Metro
08c	2023-025	Root River Habitat Restoration at Eagle Bluff	Eagle Bluff Environmental Learning Center	Colleen Foehrenbacher	\$866,000	\$0	\$866,000	SE
08d	2023-060	Restoring Mussels in Streams and Lakes - Continuation	MN DNR, Ecological and Water Resources Division	Madeline Pletta	\$825,000	\$0	\$825,000	Statewide
08e	2023-061	Minnesota Million: Seedlings for Reforestation and CO2 Sequestration	U of MN, Duluth	Julie Etterson	\$906,000	\$0	\$906,000	Statewide
08f	2023-080	Panoway on Wayzata Bay Shoreline Restoration Project	City of Wayzata	Nick Kieser	\$200,000	\$0	\$200,000	Metro
08g	2023-105	Pollinator Central III: Habitat Improvement with Community Monitoring	Great River Greening	Rebecca Tucker	\$190,000	\$0	\$190,000	Metro
08h	2023-117	Restoring Forests and Savannas Using Silvopasture - Phase II	Great River Greening	Brad Gordon	\$674,000	\$0	\$674,000	Statewide
08i	2023-135	Minnesota Community Schoolyards	The Trust for Public Land	Eric Weiss	\$1,433,000	\$0	\$1,433,000	Statewide
08j	2023-136	Pollinator Enhancement and Mississippi River Shoreline Restoration	Department of Military Affairs	Josh Pennington	\$187,000	\$0	\$187,000	Central
08k	2023-142	Conservation Cooperative for Working Lands	Pheasants Forever Inc.	Tanner Bruse	\$2,611,000	\$0	\$2,611,000	Statewide
08l	2023-177	Quantifying Environmental Benefits of Peatland Restoration in Minnesota	U of MN, College of Food, Agricultural and Natural Resource Sciences	Christian Lenhart	\$754,000	\$0	\$754,000	NE, NW
08m	2023-181	Renewing Access to an Iconic North Shore Vista	Superior Hiking Trail Association	Lisa Luukkala	\$197,000	\$0	\$197,000	NE
08n	2023-189	Addressing Erosion Along High Use River Loops	Superior Hiking Trail Association	Lisa Luukkala	\$368,000	\$0	\$368,000	NE
08o	2023-211	Pollinator Habitat Creation at Minnesota Closed Landfills	Minnesota Pollution Control Agency	Eric Pederson	\$1,508,000	\$0	\$1,508,000	Statewide
08p	2023-212	Enhancing Habitat Connectivity within the Urban Mississippi Flyway	Minneapolis Park and Recreation Board	Adam Arvidson	\$190,000	\$0	\$190,000	Metro
08q	2023-219	Statewide Diversion of Furniture and Mattress Waste Pilots	EMERGE Community Development	Shawn Dolan	\$2,833,000	\$0	\$2,833,000	Statewide
08r	2023-250	Phelps Mill Wetland and Prairie Restoration	Otter Tail County	Nicholas Leonard	\$974,000	\$0	\$974,000	Central

**M.L. 2023 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations without Summary for FY 2024**

Subd.	Proposal ID	Title	Organization	Project Manager	FY2024 ENRTF \$	Great Lakes Protection Account	Total ENRTF \$ Appropriated	Region*
				Subtotal =	\$15,997,000	\$0	\$15,997,000	
<b>Subd. 09 Land Acquisition, Habitat, and Recreation (15 Appropriations = \$31,241,000)</b>								
09a	2023-028	SNA Stewardship, Outreach, and Biodiversity Protection	MN DNR, Ecological and Water Resources Division	Judy Schulte	\$1,919,000	\$0	\$1,919,000	Statewide
09b	2023-032	Wannigan Regional Park Land Acquisition	City of Frazee	Stephanie Poegel	\$727,000	\$0	\$727,000	NW
09c	2023-039	Local Parks, Trails, and Natural Areas Grant Programs	MN DNR, State Parks and Trails Division	Audrey Mularie	\$3,802,000	\$0	\$3,802,000	Statewide
09d	2023-064	Outreach and Stewardship Through the Native Prairie Bank Program	MN DNR, Ecological and Water Resources Division	Judy Schulte	\$620,000	\$0	\$620,000	Central, NW, SW
09e	2023-081	Minnesota State Trails Development	MN DNR, State Parks and Trails Division	Kent Skaar	\$4,952,000	\$0	\$4,952,000	Statewide
09f	2023-091	Construction of East Park	City of St. Joseph	Nate Keller	\$700,000	\$0	\$700,000	Central
09g	2023-110	Scandia Gateway Trail to William O'Brien State Park	City of Scandia	Kyle Morell	\$2,689,000	\$0	\$2,689,000	Metro
09h	2023-147	Grand Marais Mountain Bike Trail Rehabilitation - Phase II	Superior Cycling Association	Paul Nordlund	\$200,000	\$0	\$200,000	NE
09i	2023-148	Acquisition of State Parks and Trails Inholdings	MN DNR, State Parks and Trails Division	Shelby Kok	\$5,425,000	\$0	\$5,425,000	Statewide
09j	2023-172	St. Louis River Re-Connect - Phase II	City of Duluth	Cliff Knettel	\$1,375,000	\$0	\$1,375,000	NE
09k	2023-207	City of Biwabik Recreation	City of Biwabik	Jeff Jacobson	\$1,306,000	\$0	\$1,306,000	NE
09l	2023-210	Silver Bay Multimodal Trailhead Project	City of Silver Bay	Lana Fralich	\$1,970,000	\$0	\$1,970,000	NE
09m	2023-213	Above the Falls Regional Park Restoration Planning and Acquisition	Minneapolis Park and Recreation Board	Adam Arvidson	\$1,376,000	\$0	\$1,376,000	Metro
09n	2023-231	Redhead Mountain Bike Park	Minnesota Discovery Center	Donna Johnson	\$1,666,000	\$0	\$1,666,000	NE
09o	2023-249	Maplewood State Park Trail Segment of the Perham to Pelican Rapids Regional Trail	Otter Tail County	Nicholas Leonard	\$2,514,000	\$0	\$2,514,000	Central
				Subtotal =	\$31,241,000	\$0	\$31,241,000	
<b>Subd. 10 Administration, Emerging Issues, and Contract Agreement Reimbursement (4 Appropriations = \$3,126,000)</b>								
10a	2023-001	LCCMR Administrative Budget	Legislative-Citizen Commission on Minnesota Resources	Becca Nash	\$2,133,000	\$0	\$2,133,000	Statewide

**M.L. 2023 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations without Summary for FY 2024**

<b>Subd.</b>	<b>Proposal ID</b>	<b>Title</b>	<b>Organization</b>	<b>Project Manager</b>	<b>FY2024 ENRTF \$</b>	<b>Great Lakes Protection Account</b>	<b>Total ENRTF \$ Appropriated</b>	<b>Region*</b>
10b	2023-002	Emerging Issues	Legislative-Citizen Commission on Minnesota Resources	Becca Nash	\$767,000	\$0	\$767,000	Statewide
10c	2023-073	Contract Agreement Reimbursement	MN DNR, Grants Unit	Katherine Sherman-Hoehn	\$224,000	\$0	\$224,000	Statewide
10d	2023-255	Legislative Coordinating Commission Legacy Website	Legislative Coordinating Commission	Sally Olson	\$2,000	\$0	\$2,000	Statewide
				<b>Subtotal =</b>	<b>\$3,126,000</b>	<b>\$0</b>	<b>\$3,126,000</b>	
<b>Subd. 19 Repurpose (1 Appropriation = \$176,000)</b>								
---	---	FROM - Restoring Upland Forests for Birds M.L. 2021, First Special Session, Chp.6, Art.6, Sec. 2, Subd. 08f			(\$176,000)	\$0	(\$176,000)	Statewide
19	---	TO - Neonicotinoid Impacts on Minnesota Deer and Prairie Chickens	MN DNR, Fish and Wildlife Division	Michelle Carstensen	\$176,000	\$0	\$176,000	Statewide
				<b>Subtotal =</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
				<b>Total =</b>	<b>\$79,644,000</b>	<b>\$189,000</b>	<b>\$79,833,000</b>	

\* Metro region includes the 11 counties of Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Sherburne, Washington, and Wright.

**CHAPTER 60--H.F.No. 2310**

*An act relating to state government; appropriating money for environment, natural resources, climate, and energy; appropriating money from environment and natural resources trust fund; modifying prior appropriations; providing for and modifying disposition of certain receipts; modifying and establishing duties, authorities, and prohibitions regarding environment and natural resources; modifying and creating environment and natural resources programs; modifying and creating grant programs; modifying permit and environmental review requirements; modifying requirements for recreational vehicles; modifying state trail, state forest, and state park provisions; authorizing sales, conveyances, and leases of certain state lands; modifying forestry provisions; modifying game and fish provisions; modifying regulation of farmed Cervidae; regulating certain seeds and pesticides; modifying Water Law; modifying and providing for fees; establishing a biennial budget for Department of Commerce, Public Utilities Commission, and energy, climate, and clean energy activities; establishing and modifying provisions governing energy, clean and renewable energy, energy storage, energy use and conservation, and utility regulation; adding and modifying provisions governing Public Utilities Commission proceedings; making technical changes; requiring reports; requiring rulemaking; amending Minnesota Statutes 2022, sections 16A.151, subdivision 2, as amended; 16B.325, subdivision 2; 16C.135, subdivision 3; 16C.137, subdivision 1; 18B.01, subdivision 31; 18B.09, subdivision 2, by adding a subdivision; 21.86, subdivision 2; 35.155, subdivisions 1, 4, 10, 11, 12, by adding subdivisions; 35.156, subdivision 2, by adding subdivisions; 84.02, by adding a subdivision; 84.415, subdivisions 3, 6, 7, by adding a subdivision; 84.66, subdivision 7; 84.788, subdivision 5; 84.82, subdivision 2, by adding a subdivision; 84.821, subdivision 2; 84.84; 84.86, subdivision 1; 84.87, subdivision 1; 84.90, subdivision 7; 84.922, subdivision 4; 84.992, subdivisions 2, 5; 84D.02, subdivision 3; 84D.10, subdivision 3; 85.015, subdivision 10; 85.052, subdivision 6; 85A.01, subdivision 1; 86B.005, by adding a subdivision; 86B.313, subdivision 4; 86B.415, subdivisions 1, 1a, 2, 3, 4, 5; 89A.03, subdivision 5; 89A.11; 90.181, subdivision 2; 97A.015, subdivision 51, by adding a subdivision; 97A.031; 97A.045, subdivision 5; 97A.126; 97A.137, subdivisions 3, 5; 97A.315, subdivision 1; 97A.401, subdivision 1, by adding a subdivision; 97A.405, subdivisions 2, 5; 97A.420, subdivision 1; 97A.421, subdivision 3; 97A.465, subdivisions 3, 8; 97A.475, subdivision 41; 97B.031, subdivision 1; 97B.037; 97B.071; 97B.301, subdivisions 2, 6; 97B.668; 97C.041; 97C.315, subdivision 1; 97C.345, subdivision 1; 97C.355, by adding a subdivision; 97C.371, subdivisions 1, 2, 4; 97C.395, subdivision 1; 97C.601, subdivision 1; 97C.605, subdivisions 1, 2c, 3; 97C.611; 97C.836; 103B.101, subdivisions 2, 9, 16, by adding a subdivision; 103B.103; 103C.501, subdivisions 1, 4, 5, 6, by adding a subdivision; 103D.605, subdivision 5; 103F.505; 103F.511, by adding subdivisions; 103G.005, by adding subdivisions; 103G.2242, subdivision 1; 103G.271, subdivision 6; 103G.287, subdivisions 2, 3; 103G.299, subdivisions 1, 2, 5, 10; 103G.301, subdivisions 2, 6, 7; 115.01, by adding subdivisions; 115.03, subdivision 1; 115.061; 115A.03, by adding subdivisions; 115A.1415; 115A.49; 115A.51; 115A.54, subdivisions 1, 2, 2a, as amended; 115A.565, subdivisions 1, 3; 115B.17, subdivision 14; 115B.171, subdivision 3; 115B.52, subdivision 4; 116.07, by adding a subdivision; 116C.03, subdivision 2a; 116C.779, subdivision 1; 116C.7792; 116P.05, subdivisions 1, 1a, 2; 116P.09, subdivision 6; 116P.11; 116P.15; 116P.16; 116P.18; 168.27, by adding a subdivision; 171.07, by adding a subdivision; 216B.096, subdivision 11; 216B.16, subdivision 10; 216B.164, by adding a subdivision; 216B.1641; 216B.1645, subdivision 4; 216B.1691, by adding a subdivision; 216B.17, subdivision 1; 216B.2402, subdivision 16; 216B.2424, subdivision 5c; 216B.2425, subdivision 3, by adding a subdivision; 216B.243, subdivision 8, as amended; 216B.50, subdivision 1; 216B.62, subdivision 3b; 216C.08; 216C.09; 216C.264, subdivision 5, by adding*

*subdivisions; 216C.375; 216C.435, subdivision 8; 216C.436, subdivision 2, by adding a subdivision; 216E.01, subdivision 6, by adding a subdivision; 216E.03, subdivisions 1, 3, 5, as amended, 6, 7, as amended; 216E.04, subdivision 2, as amended; 216E.05, subdivision 2; 216E.06; 216E.07; 216E.10; 216G.02, subdivision 1; 216H.02, subdivision 1; 237.55; 297A.94; 325E.046; 325F.072, subdivisions 1, 3, by adding a subdivision; 373.475; 515B.2-103; 515B.3-102; Laws 2005, chapter 97, article 10, section 3, as amended; Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 9; Laws 2022, chapter 94, section 2, subdivisions 5, 8, 9; Laws 2023, chapter 9, section 19; proposing coding for new law in Minnesota Statutes, chapters 16B; 18B; 21; 84; 86B; 97B; 97C; 103B; 103F; 103G; 115A; 116; 116P; 123B; 216B; 216C; 325E; 473; 500; repealing Minnesota Statutes 2022, sections 35.155, subdivision 14; 86B.101; 86B.305; 86B.313, subdivisions 2, 3; 97C.605, subdivisions 2, 2a, 2b, 5; 103C.501, subdivisions 2, 3; 115.44, subdivision 9; 116.011; 216C.376; 325E.389; 325E.3891; Minnesota Rules, parts 6100.5000, subparts 3, 4, 5; 6100.5700, subpart 4; 6115.1220, subpart 8; 6256.0500, subparts 2, 2a, 2b, 4, 5, 6, 7, 8; 8400.0500; 8400.0550; 8400.0600, subparts 4, 5; 8400.0900, subparts 1, 2, 4, 5; 8400.1650; 8400.1700; 8400.1750; 8400.1800; 8400.1900.*

**ARTICLE 2****ENVIRONMENT AND NATURAL RESOURCES TRUST FUND**Section 1. **APPROPRIATIONS.**

The sums shown in the columns marked "Appropriations" are appropriated to the agencies and for the purposes specified in this article. The appropriations are from the environment and natural resources trust fund, or another named fund, and are available for the fiscal years indicated for each purpose. The figures "2024" and "2025" used in this article mean that the appropriations listed under them are available for the fiscal year ending June 30, 2024, or June 30, 2025, respectively. "The first year" is fiscal year 2024. "The second year" is fiscal year 2025. "The biennium" is fiscal years 2024 and 2025. 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.

**APPROPRIATIONS**  
**Available for the Year**



		<u>Ending June 30</u>	
		<u>2024</u>	<u>2025</u>
Sec. 2. <b><u>MINNESOTA RESOURCES</u></b>			
Subdivision 1. <b><u>Total Appropriation</u></b>	\$	<u>79,833,000</u>	\$ <u>-0-</u>

Appropriations by Fund

	<u>2024</u>	<u>2025</u>
<u>Environment and Natural Resources Trust Fund</u>	<u>79,644,000</u>	<u>-0-</u>
<u>Great Lakes Protection Account</u>	<u>189,000</u>	<u>-0-</u>

The amounts that may be spent for each purpose are specified in the following subdivisions.

**Subd. 2. Definitions**

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

(b) "Great Lakes protection account" means the account referred to in Minnesota Statutes, section 116Q.02.

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

8,219,000

-0-

**(a) Assessing Restorations for Rusty-Patched and Other Bumblebee Habitat**

\$75,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Friends of the Mississippi River to assess how prairie restoration and different restoration seeding methods affect bumblebee abundance, diversity, and habitat and make recommendations to improve restoration outcomes.

**(b) Removing Barriers to Carbon Market Entry**

\$482,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to develop ground-tested carbon stock models of forest

resources throughout Minnesota to enable better resource management of public and private forests as well as generate reliable tools for landowners seeking to enter carbon markets.

**(c) Mapping Migratory Bird Pit Stops in Minnesota**

\$340,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the National Audubon Society, Minnesota office, to identify avian migratory stopover sites, develop a shared decision-support tool, and publish guidance for conserving migratory birds in Minnesota. This appropriation is available until June 30, 2027, by which time the project must be completed and final products delivered.

**(d) Enhancing Knowledge of Minnesota River Fish Ecology**

\$199,000 the first year is from the trust fund to the commissioner of natural resources to collect baseline information about the diets, distribution, status, and movement patterns of fish in the Minnesota River to inform management and conservation decisions.

**(e) Changing Distribution of Flying Squirrel Species in Minnesota**

\$186,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota for the Natural Resources Research Institute in Duluth to determine current distribution and habitat associations of northern and southern flying squirrels to fill key knowledge gaps in flying squirrel status in Minnesota.

**(f) Statewide Forest Carbon Inventory and Change Mapping**

\$987,000 the first year is from the trust fund to the commissioner of natural resources to work with Minnesota Forest Resources Council, Minnesota Forestry Association, the Board of Water and Soil Resources, and the University of Minnesota to develop a programmatic approach and begin collecting plot-based inventories on private forestland for use with remote sensing data to better assess changing

forest conditions and climate mitigation opportunities across all ownerships in the state.

**(g) Predicting the Future of Aquatic Species by Understanding the Past**

\$170,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to use past and present information to model future ranges of native aquatic species in Minnesota to generate publicly available tools for species and habitat management.

**(h) Assessing Status of Common Tern Populations in Minnesota**

\$199,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota for the Natural Resources Research Institute in Duluth to assess the population status of Common Tern breeding colonies in Minnesota, implement management activities, and develop a standardized monitoring protocol and online database for accessing current and historic monitoring data to help prioritize conservation and restoration actions for this state-threatened species.

**(i) Salvaged Wildlife to Inform Environmental Health, Ecology, and Education**

\$486,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota, Bell Museum of Natural History, to establish a statewide network to collect, analyze, and archive salvaged dead wildlife and build a foundation of biodiversity resources to track ecosystem-wide changes, monitor environmental health, and educate Minnesotans about the value of scientific specimens.

**(j) Developing Conservation Priorities for Rare and Specialist Bees**

\$619,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to collect data on rare and specialist bees and their habitat preferences, determine their conservation status, and develop strategies to improve their chances of survival.

**(k) Efficacy of Urban Archery Hunting to Manage Deer**

\$393,000 the first 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.

**(l) Mapping the Ecology of Urban and Rural Canids**

\$601,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to determine how disease prevalence, diet, habitat use, and interspecies interactions of coyotes and foxes change from urban to rural areas along the Mississippi River corridor.

**(m) Maximizing Lowland Conifer Ecosystem Services - Phase II**

\$482,000 the first 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 provide support for management decisions.

**(n) Modernizing Minnesota's Wildlife (and Plant) Action Plan**

\$889,000 the first year is from the trust fund to the commissioner of natural resources to modernize the Minnesota Wildlife Action Plan by filling critical data gaps, including adding rare plants to the plan, and standardizing conservation status assessment methods to ensure Minnesota's natural heritage is protected into the future.

**(o) Linking Breeding and Migratory Bird Populations in Minnesota**

\$199,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Hawk Ridge Bird Observatory to map year-round habitat use of understudied bird species of special conservation concern and evaluate areas with the greatest risk of contaminant exposure.

**(p) Old Growth Forest Monitoring**

\$441,000 the first year is from the trust fund to the commissioner of natural resources to establish baseline conditions and develop a cost-effective method to monitor approximately 93,000 acres of old growth forest in Minnesota to ensure that these rare and important forest resources are properly protected.

**(q) Integrating Remotely Sensed Data with Traditional Forest Inventory**

\$191,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota for the Natural Resources Research Institute in Duluth to calibrate and optimize the use of LiDAR for forest inventory purposes and estimate stand-level forest resource metrics in northeastern Minnesota so ecosystem services can be better considered in management decisions.

**(r) Community Response Monitoring for Adaptive Management in Southeast Minnesota**

\$483,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with The Nature Conservancy to assess community-level plant and animal responses to past restoration efforts in select southeast Minnesota conservation focus areas to determine if management outcomes are being achieved.

**(s) Minnesota Biodiversity Atlas - Phase III**

\$797,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota, Bell Museum of Natural History, to expand the Minnesota Biodiversity Atlas to include more than 2,000,000 records and images of Minnesota wildlife, plants, and fungi by adding insect specimens, collections from new partners, historical data, and repatriating records of Minnesota's biodiversity that exist in various federal institutions.

Subd. 4. **Water Resources** 8,328,000 -0-

Appropriations by Fund

<u>Environment and Natural Resources Trust Fund</u>	<u>8,139,000</u>	<u>-0-</u>
<u>Great Lakes Protection Account</u>	<u>189,000</u>	<u>-0-</u>

**(a) Ditching Delinquent Ditches: Optimizing Wetland Restoration**

\$199,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to use new techniques to identify and rank areas statewide where targeted removal of poorly functioning drainage ditches and restoration to wetlands can provide maximum human and ecological benefits, including aquifer recharge and flood prevention.

**(b) Assessment of Red River Basin Project Outcomes**

\$920,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Red River Watershed Management Board acting as fiscal agent for the Red River Basin Flood Damage Reduction Work Group to plan and implement multiresource monitoring at flood damage reduction and natural resource enhancement projects across the Red River Basin to evaluate outcomes and improve design of future projects at a regional scale. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(c) Wind Wave and Boating Impacts on Inland Lakes**

\$415,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota for the St. Anthony Falls Laboratory to conduct a field study to measure the impacts of boat propeller wash and boat wakes on lake bottoms, shorelines, and water quality compared to the impacts of wind-generated waves.

**(d) Finding, Capturing, and Destroying PFAS in Minnesota Waters**

\$478,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to develop novel methods for the detection, sequestration, and degradation of poly- and perfluoroalkyl substances (PFAS) in Minnesota's lakes and rivers.

**(e) Sinking and Suspended Microplastic Particles in Lake Superior**

\$412,000 the first year is to the Board of Regents of the University of Minnesota for the Large Lakes Observatory in Duluth to investigate the abundance, characteristics, and fate of microplastic particles in Lake Superior to inform remediation strategies and analyses of environmental impacts. Of this amount, \$189,000 is from the Great Lakes protection account and \$223,000 is from the trust fund. These appropriations may also be used to educate the public about the research conducted with this appropriation.

**(f) Ecotoxicological Impacts of Quinone Outside Inhibitor (QoI) Fungicides**

\$279,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the University of St. Thomas to assess the ecological hazards associated with QoI fungicides and their major environmental transformation products.

**(g) Brightsdale Dam Channel Restoration**

\$1,004,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Fillmore County Soil and Water Conservation District to reduce sedimentation and improve aquatic habitat by restoring a channel of the north branch of the Root River at the site of a failed hydroelectric power dam that was removed in 2003.

**(h) Mapping Aquifer Recharge Potential**

\$391,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota for the St. Anthony Falls Laboratory to partner with the Freshwater Society to develop a practical tool for mapping aquifer recharge potential, demonstrate the tool with laboratory and field tests, use the tool to

evaluate recharge potential of several aquifers in Minnesota, and analyze aquifer recharge policy.

**(i) ALASD's Chloride Source Reduction Pilot Program**

\$764,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Alexandria Lake Area Sanitary District (ALASD) to coordinate with Douglas County and the Pollution Control Agency to pilot an incentive program for residences and businesses to install high-efficiency water softeners, salt-free systems, or softener discharge disposal systems to reduce the annual salt load to Lake Winona and downstream waters. The pilot program includes rebates, inspections, community education, and water quality monitoring to measure chloride reduction success. This appropriation is available until June 30, 2027, by which time the project must be completed and final products delivered.

**(j) Removing CECs from Stormwater with Biofiltration**

\$641,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota for the St. Anthony Falls Laboratory to develop a treatment practice design using biofiltration media to remove contaminants of emerging concern (CECs) from stormwater runoff and to provide statewide stormwater management guidance.

**(k) Didymo II The North Shore Threat Continues**

\$394,000 the first year is from the trust fund to the Science Museum of Minnesota for the St. Croix Watershed Research Station to identify North Shore streams with didymo, determine the risk of invasion to other streams, document didymo impacts to stream functioning, and develop strategies to prevent further spread of didymo.

**(l) Leveraging Data Analytics Innovations for Watershed District Planning**

\$738,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Minnehaha Creek Watershed District to integrate local and statewide data sets into a high-resolution planning tool that forecasts the impacts of changing



precipitation patterns and quantitatively compares cost effectiveness and outcomes for water quality, ecological integrity, and flood prevention projects in the district. 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.

**(m) Protecting Water in the Central Sands Region of the Mississippi River Headwaters**

\$1,693,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the White Earth Band of Minnesota Chippewa Indians to conduct a policy analysis and assess aggregate irrigation impacts on water quality and quantity in the Pineland Sands region of the state.

**Subd. 5. Environmental Education**

3,905,000

-0-

**(a) Fostering Conservation by Connecting Students to the BWCA**

\$1,080,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Friends of the Boundary Waters Wilderness to connect Minnesota youth to the Boundary Waters through environmental education, experiential learning, and wilderness canoe trips.

**(b) Statewide Environmental Education via PBS Outdoor Series**

\$391,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Pioneer Public Broadcasting Service to produce new episodes of a statewide public television series and an educational web page designed to inspire Minnesotans to connect with the outdoors and to restore and protect the state's natural resources.

**(c) Increasing Diversity in Environmental Careers**

\$763,000 the first year is from the trust fund to the commissioner of natural resources in cooperation with

Conservation Corps Minnesota and Iowa to ensure a stable and prepared natural resources work force in Minnesota by encouraging a diversity of students to pursue careers in 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. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(d) Reducing Biophobia & Fostering Environmental Stewardship in Underserved Schools**

\$180,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota for the Raptor Center to foster long-lasting environmental stewardship and literacy in Minnesota youth in underserved schools by providing engaging, multiunit, standards-based environmental programming featuring positive interactions with raptors and evaluating program effectiveness and areas for improvement.

**(e) Sharing Minnesota's Biggest Environmental Investment**

\$628,000 the first year is from the trust fund to the Science Museum of Minnesota, in coordination with the Legislative-Citizen Commission on Minnesota Resources (LCCMR), to increase public access to the results of LCCMR-recommended research, including through a free online interactive map, in-depth videos, and public events.

**(f) North Shore Private Forestry Outreach and Implementation**

\$375,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Sugarloaf: The North Shore Stewardship Association to conduct outreach to private forest landowners, develop site restoration plans, and connect landowners with restoration assistance to encourage private forest restoration and improve the ecological health of Minnesota's North Shore forest landscape.

**(g) Teaching Students about Watersheds through Outdoor Science**

\$290,000 the first 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.

**(h) Bioblitz Urban Parks: Engaging Communities in Scientific Efforts**

\$198,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Minneapolis Park and Recreation Board to work with volunteers to collect baseline biodiversity data for neighborhood and regional parks to inspire stewardship and inform habitat restoration work.

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

5,104,000

-0-

**(a) Northward Expansion of Ecologically Damaging Amphibians and Reptiles**

\$163,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to assess the distribution and potential for expansion of key detrimental and nonnative amphibians and reptiles in Minnesota.

**(b) Developing Research-Based Solutions to Minnesota's AIS Problems**

\$4,941,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota for the Minnesota Aquatic Invasive Species Research Center to conduct high-priority projects aimed at solving Minnesota's aquatic invasive species problems using rigorous science and a collaborative process. Additionally, funds may be spent to deliver research findings to end users through strategic communication and outreach. 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.

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

3,913,000

-0-

**(a) Community Forestry AmeriCorps**

\$1,500,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with ServeMinnesota to preserve and increase tree canopy throughout the state by training, supporting, and deploying AmeriCorps members to local agencies and nonprofit organizations to plant and inventory trees, develop and implement pest management plans, create and maintain nursery beds for replacement trees, and organize opportunities for community engagement in tree stewardship activities.

**(b) Biochar Implementation in Habitat Restoration: A Pilot**

\$185,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Great River Greening to pilot the use of portable biochar kilns as an alternative to open-pile burning of trees and shrubs to reduce smoke and carbon emissions and produce beneficial by-products from invasive species removal and land restoration efforts.

**(c) Completing Installment of the Minnesota Ecological Monitoring Network**

\$1,094,000 the first year is from the trust fund to the commissioner of natural resources to improve conservation and management of Minnesota's native forests, wetlands, and grasslands by completing the Ecological Monitoring Network to measure ecosystems' change through time.

**(d) Lichens as Low-Cost Air Quality Monitors in Minnesota**

\$341,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to develop community science protocols for using lichens as indicators of air quality and conduct an analysis of air pollution changes across Minnesota in the present and in the past century.

**(e) Environment-Friendly Decarbonizing of Steel Production with Hydrogen Plasma**

\$739,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to investigate the use of microwave hydrogen plasma to reduce fossil fuel use, carbon dioxide emissions, and waste and enable the use of alternative iron resources, including lower quality iron ores, tailings, and iron ore waste piles, in the iron-making industry. This appropriation is subject to Minnesota Statutes, section 116P.10.

**(f) Economic Analysis Guide for Minnesota Climate Investments**

\$54,000 the first year is from the trust fund to the commissioner of the Minnesota Pollution Control Agency to create a guide that will incorporate nation-wide best practices for considering costs, benefits, economics, and equity in Minnesota climate policy decisions.

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

15,997,000

-0-

**(a) Minnesota Bee and Beneficial Species Habitat Enhancement II**

\$876,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Pheasants Forever Inc. to enhance grassland habitats to benefit pollinators and other wildlife species on permanently protected lands and to collaborate with the University of Minnesota to determine best practices for seeding timing and techniques.

**(b) Karner Blue Butterfly Insurance Population Establishment in Minnesota**

\$405,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Three Rivers Park District to establish a breeding population of the federally endangered Karner blue butterfly on protected lands within the butterfly's northern expanding range, increase the habitat area, and evaluate the butterfly establishment effort to assist with adaptive management. This appropriation is

available until June 30, 2027, by which time the project must be completed and final products delivered.

**(c) Root River Habitat Restoration at Eagle Bluff**

\$866,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Eagle Bluff Environmental Learning Center to restore habitat in and alongside the Root River north of Lanesboro, Minnesota, and to conduct monitoring to ensure water quality and fish population improvements are achieved. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(d) Restoring Mussels in Streams and Lakes - Continuation**

\$825,000 the first year is from the trust fund to the commissioner of natural resources to propagate, rear, and restore native freshwater mussel assemblages and the ecosystem services they provide in the Mississippi, Cedar, and Cannon Rivers; to evaluate reintroduction success; and to inform the public on mussels and mussel conservation.

**(e) Minnesota Million: Seedlings for Reforestation and CO<sub>2</sub> Sequestration**

\$906,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota, Duluth, to collaborate with The Nature Conservancy and Minnesota Extension to expand networks of seed collectors and tree growers and to research tree planting strategies to accelerate reforestation for carbon sequestration, wildlife habitat, and watershed resilience.

**(f) Panoway on Wayzata Bay Shoreline Restoration Project**

\$200,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Wayzata to restore native lake bottom and shoreline vegetation to improve shoreline stability, wildlife habitat, and the natural beauty of Lake Minnetonka's Wayzata Bay. The recipient must report to the Legislative-Citizen Commission on Minnesota

Resources on the effectiveness of any new methods tested while conducting the project and may use a portion of the appropriation to prepare that report.

**(g) Pollinator Central III: Habitat Improvement with Community Monitoring**

\$190,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Great River Greening to restore and enhance pollinator habitat in parks, schools, and other public spaces to benefit pollinators and people and to build knowledge about impacts of the pollinator plantings through community-based monitoring.

**(h) Restoring Forests and Savannas Using Silvopasture - Phase II**

\$674,000 the first 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 grazing as a method to restore and manage forest and savanna habitats.

**(i) Minnesota Community Schoolyards**

\$1,433,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with The Trust for Public Land to engage students and communities to create nature-focused habitat improvements at schoolyards across the state to increase environmental outcomes and encourage outdoor learning.

**(j) Pollinator Enhancement and Mississippi River Shoreline Restoration**

\$187,000 the first year is from the trust fund to the adjutant general of the Department of Military Affairs to restore native prairie, support pollinator plantings, and stabilize a large section of stream bank along the Mississippi River within Camp Ripley.

**(k) Conservation Cooperative for Working Lands**

\$2,611,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Pheasants Forever Inc. to collaborate with Natural Resources Conservation Service, Board of Water and Soil Resources, and Minnesota Association of Soil and Water Conservation Districts to accelerate adoption of voluntary conservation practices on working lands in Minnesota by increasing technical assistance to farmers and landowners while also attracting federal matching funds.

**(l) Quantifying Environmental Benefits of Peatland Restoration in Minnesota**

\$754,000 the first year is from the trust fund to the Board of Regents of the University of Minnesota to quantify the capacity of restored peatlands to store and accumulate atmospheric carbon and prevent release of accumulated mercury into the surrounding environment. This appropriation is available until June 30, 2027, by which time the project must be completed and final products delivered.

**(m) Renewing Access to an Iconic North Shore Vista**

\$197,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Superior Hiking Trail Association to use national trail design best practices to renew trails and a campground along the Bean and Bear Lakes section of the Superior Hiking Trail that provides access to one of Minnesota's most iconic vistas.

**(n) Addressing Erosion Along High Use River Loops**

\$368,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Superior Hiking Trail Association to rehabilitate and renew popular river loops of the Superior Hiking Trail to withstand high visitor use and serve Minnesotans for years to come.

**(o) Pollinator Habitat Creation at Minnesota Closed Landfills**

\$1,508,000 the first year is from the trust fund to the commissioner of the Minnesota 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, 2027, by which time the project must be completed and final products delivered.

**(p) Enhancing Habitat Connectivity within the Urban Mississippi Flyway**

\$190,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Minneapolis Park and Recreation Board to enhance and restore habitat in and between urban neighborhood parks and the Mississippi River to benefit animals, plants, and neighborhoods traditionally disconnected from nature and to raise awareness of the Mississippi River Flyway.

**(q) Statewide Diversion of Furniture and Mattress Waste Pilots**

\$2,833,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with EMERGE Community Development to work collaboratively with the University of Minnesota, Second Chance Recycling, and local governments to test and implement methods to expand mattress and furniture recycling statewide, including by researching value-add commodity markets for recycled materials, piloting mattress collection in greater Minnesota counties, piloting curbside furniture collection in the metropolitan area, and increasing facility capacity to recycle collected mattresses. Any revenue generated from selling products or assets developed or acquired with this appropriation must be repaid to the trust fund unless a plan is approved for reinvestment of income in the project. This appropriation is subject to Minnesota Statutes, section 116P.10.

**(r) Phelps Mill Wetland and Prairie Restoration**

\$974,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Otter Tail County to plan, engineer, and restore wetlands and prairie within the newly expanded Phelps Mill County Park to improve habitat connectivity for wildlife and enhance recreational experiences for users. Up to \$322,000 of this appropriation may be used to plan, engineer, and construct a boardwalk, viewing

platforms, and soft trails within the park. This appropriation is available until June 30, 2027, by which time the project must be completed and final products delivered.

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

31,241,000

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**(a) SNA Stewardship, Outreach, and Biodiversity Protection**

\$1,919,000 the first year is from the trust fund to the commissioner of natural resources to restore and enhance exceptional habitat on scientific and natural areas (SNAs), increase public involvement and outreach, and strategically acquire lands that meet criteria for SNAs under Minnesota Statutes, section 86A.05, from willing sellers. This appropriation is available until June 30, 2027, by which time the project must be completed and final products delivered.

**(b) Wannigan Regional Park Land Acquisition**

\$727,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Frazee to acquire land for protecting and enhancing natural resources and for future development as Wannigan Regional Park, where the Heartland State, North Country National, and Otter Tail River Water Trails will meet. Initial site development or restoration work may be conducted with this appropriation.

**(c) Local Parks, Trails, and Natural Areas Grant Programs**

\$3,802,000 the first year is from the trust fund to the commissioner of natural resources to solicit and rank applications 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.

**(d) Outreach and Stewardship Through the Native Prairie Bank Program**

\$620,000 the first year is from the trust fund to the commissioner of natural resources to enhance and monitor lands enrolled in the native prairie bank and to provide outreach and technical assistance to landowners, practitioners, and the public to increase awareness and stewardship of the state's remaining native prairie. This appropriation is available until June 30, 2027, by which time the project must be completed and final products delivered.

**(e) Minnesota State Trails Development**

\$4,952,000 the first year is from the trust fund to the commissioner of natural resources to expand recreational opportunities on Minnesota state trails by rehabilitating and enhancing existing state trails and replacing or repairing existing state trail bridges.

**(f) Construction of East Park**

\$700,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of St. Joseph to increase recreational opportunities and access at East Park along the Sauk River in St. Joseph through enhancements such as a canoe and kayak access, a floating dock, paved and mowed trails, and parking entrance improvements.

**(g) Scandia Gateway Trail to William O'Brien State Park**

\$2,689,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Scandia to engineer and construct a segment of the Gateway State Trail between the city of Scandia and William O'Brien State Park that will be maintained by the Department of Natural Resources. The segment to be constructed includes a pedestrian tunnel and trailhead parking area. This project must be designed and constructed in accordance with Department of Natural Resources state trail standards. Engineering and construction plans must be approved by the commissioner of natural resources before construction may commence. This appropriation is available until June 30, 2027, by which time the project must be completed and final products delivered.

**(h) Grand Marais Mountain Bike Trail Rehabilitation - Phase II**

\$200,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Superior Cycling Association to rehabilitate and modify existing mountain bike trails at Pincushion Mountain to increase the trail's environmental sustainability and provide better access to beginner and adaptive cyclers.

**(i) Acquisition of State Parks and Trails Inholdings**

\$5,425,000 the first year is from the trust fund to the commissioner of natural resources to acquire high-priority inholdings from willing sellers within the legislatively authorized boundaries of state parks, recreation areas, and trails to protect Minnesota's natural heritage, enhance outdoor recreation, and improve the efficiency of public land management. This appropriation is available until June 30, 2027, by which time the project must be completed and final products delivered.

**(j) St. Louis River Re-Connect - Phase II**

\$1,375,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Duluth to increase recreational opportunities and access to the Waabizheshikana hiking and water trails in West Duluth with trail and trailhead enhancements such as accessible canoe and kayak launches, picnic areas, and restrooms; restored habitat; stormwater improvements; directional signage, and trailside interpretation. This appropriation may also be used to partner with the St. Louis River Alliance to create an ambassadors program to engage the surrounding community and facilitate use of the trails.

**(k) City of Biwabik Recreation**

\$1,306,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Biwabik to reconstruct and renovate Biwabik Recreation Area's access road, parking area, and bathroom facilities.

**(l) Silver Bay Multimodal Trailhead Project**

\$1,970,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Silver Bay to develop a multimodal trailhead center to provide safe access to the Superior Hiking, Gitchi-Gami Bike, and C.J. Ramstad/North Shore trails; Black Beach Park; and other recreational destinations. Before any construction costs are incurred, the city must demonstrate that all funding to complete the project are secured.

**(m) Above the Falls Regional Park Restoration Planning and Acquisition**

\$1,376,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Minneapolis Park and Recreation Board to acquire land along the Mississippi River from willing sellers for habitat restoration, trail development, and low-intensity recreational facilities in Above the Falls Regional Park. This appropriation may also be used to prepare restoration plans for lands acquired. This appropriation may not be used to purchase habitable residential structures. Before the acquisition, a phase 1 environmental assessment must be completed and the Minneapolis Park and Recreation Board must not accept any liability for previous contamination of lands acquired with this appropriation.

**(n) Redhead Mountain Bike Park**

\$1,666,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Chisholm as the fiscal agent for the Minnesota Discovery Center to enhance outdoor recreational opportunities by adding trails and amenities to the Redhead Mountain Bike Park in Chisholm. Amenities may include such things as pump tracks, skills courses, changing stations, shade shakes, and signage.

**(o) Maplewood State Park Trail Segment of the Perham to Pelican Rapids Regional Trail**

\$2,514,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Otter Tail County to partner with the Department of Natural Resources to construct the Maplewood State Park segment of the Perham to Pelican Rapids

Regional Trail. This project must be designed and constructed in accordance with Department of Natural Resources state trail standards. Engineering and construction plans must be approved by the commissioner of natural resources before construction may commence.

**Subd. 10. Administration, Emerging Issues, and Contract Agreement Reimbursement**

3,126,000

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**(a) LCCMR Administrative Budget**

\$2,133,000 the first year is from the trust fund to the Legislative-Citizen Commission on Minnesota Resources for administration in fiscal years 2024 and 2025 as provided in Minnesota Statutes, section 116P.09, subdivision 5. This appropriation is available until June 30, 2025. Notwithstanding Minnesota Statutes, section 116P.11, paragraph (b), Minnesota Statutes, section 16A.281, applies to this appropriation.

**(b) Emerging Issues**

\$767,000 the first year is from the trust fund to the Legislative-Citizen Commission on Minnesota Resources to an emerging issues account authorized in Minnesota Statutes, section 116P.08, subdivision 4, paragraph (d).

**(c) Contract Agreement Reimbursement**

\$224,000 the first year is from the trust fund to the commissioner of natural resources, at the direction of the Legislative-Citizen Commission on Minnesota Resources, for expenses incurred in preparing and administering contracts, including for the agreements specified in this section.

**(d) Legislative Coordinating Commission Legacy Website**

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

**Subd. 11. Availability of Appropriations**

Money appropriated in this section may not be spent on activities unless they are directly related to and necessary for a specific appropriation and are specified in the work plan approved by the Legislative-Citizen Commission on Minnesota Resources. Money appropriated in this section must not be spent on indirect costs or other institutional overhead charges that are not directly related to and necessary for a specific appropriation. Costs that are directly related to and necessary for an appropriation, including financial services, human resources, information services, rent, and utilities, are eligible only if the costs can be clearly justified and individually documented specific to the appropriation's purpose and would not be generated by the recipient but for receipt of the appropriation. No broad allocations for costs in either dollars or percentages are allowed. Unless otherwise provided, the amounts in this section are available for three years beginning July 1, 2023, and ending June 30, 2026, 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 Minnesota Statutes, 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, 2023, 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**

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

(1) Laws 2018, chapter 214, article 4, section 2, subdivision 6, paragraph (a), Minnesota Invasive Terrestrial Plants and Pests Center - Phase 4;

(2) Laws 2018, chapter 214, article 4, section 2, subdivision 8, paragraph (e), Restoring Forests in Minnesota State Parks;

(3) Laws 2019, First Special Session chapter 4, article 2, section 2, subdivision 3, paragraph (d), Minnesota Trumpeter Swan Migration Ecology and Conservation;

(4) Laws 2019, First Special Session chapter 4, article 2, section 2, subdivision 8, paragraph (g), Agricultural Weed Control Using Autonomous Mowers;

(5) Laws 2019, First Special Session chapter 4, article 2, section 2, subdivision 10, paragraph (d), Grants Management System; and

(6) Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 10, Emerging Issues Account; Wastewater Renewable Energy Demonstration Grants.

**Subd. 19. Repurpose**

The unencumbered amount, estimated to be \$176,000, in Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 8, paragraph (f), Restoring Upland Forests for Birds, is for examining the impacts of neonicotinoid exposure on the reproduction and survival of Minnesota's game species, including deer and prairie chicken. This amount is in addition to the appropriation under article 1, section 3, subdivision 6, for these purposes and is available until June 30, 2027.

Sec. 3. Minnesota Statutes 2022, section 116P.05, subdivision 1, is amended to read:

Subdivision 1. **Membership.** (a) A Legislative-Citizen Commission on Minnesota Resources of 17 members is created in the legislative branch, consisting of the chairs of the house of representatives and senate committees on environment and natural resources finance or designees appointed for the terms of the chairs, four members of the senate appointed by the Subcommittee on Committees of the Committee on Rules and Administration, and four members of the house of representatives appointed by the speaker.

(b) At least two members from the senate and two members from the house of representatives must be from the minority caucus. ~~Members are entitled to reimbursement for per diem expenses plus travel expenses incurred in the services of the commission.~~

(c) Seven citizens are members of the commission, five appointed by the governor, one appointed by the Senate Subcommittee on Committees of the Committee on Rules and Administration, and one appointed by the speaker of the house. The citizen members are selected and recommended to the appointing authorities according to subdivision 1a and must:

(1) have experience or expertise in the science, policy, or practice of the protection, conservation, preservation, and enhancement of the state's air, water, land, fish, wildlife, and other natural resources;

(2) have strong knowledge in the state's environment and natural resource issues around the state; ~~and~~

(3) have demonstrated ability to work in a collaborative environment; and

(4) not be a registered lobbyist.

(d) Members shall develop procedures to elect a chair that rotates between legislative and citizen members each meeting. A citizen member, a senate member, and a house of representatives member shall serve as

chairs. The citizen members, senate members, and house of representatives members must select their respective chairs. The chair shall preside and convene meetings as often as necessary to conduct duties prescribed by this chapter.

(e) Appointed legislative members shall serve on the commission for two-year terms, beginning in January of each odd-numbered year and continuing through the end of December of the next even-numbered year. Appointed citizen members shall serve four-year terms, beginning in January of the first year and continuing through the end of December of the final year. Citizen and legislative members continue to serve until their successors are appointed.

(f) A citizen member may be removed by an appointing authority for cause. Vacancies occurring on the commission shall not affect the authority of the remaining members of the commission to carry out their duties, and vacancies shall be filled for the remainder of the term in the same manner under paragraphs (a) to (c).

(g) Legislative members are entitled to reimbursement for per diem expenses plus travel expenses incurred in the services of the commission. Citizen members are entitled to per diem and reimbursement for expenses incurred in the services of the commission, as provided in section 15.059, subdivision 3, except that a citizen member may be compensated at the rate of up to \$125 a day.

(h) The governor's appointments are subject to the advice and consent of the senate. One of the governor's appointments must be a member recommended by the Tribal government representatives of the Indian Affairs Council.

(i) A citizen member may serve no more than eight years, except as necessary to fill a vacancy. A citizen member may not serve more than ten years if serving additional time to fill a vacancy.

**EFFECTIVE DATE.** This section is effective July 1, 2023, and applies to appointments made on or after that date.

Sec. 4. Minnesota Statutes 2022, section 116P.05, subdivision 1a, is amended to read:

Subd. 1a. **Citizen selection committee.** (a) The governor ~~shall~~ must appoint a Trust Fund Citizen Selection Committee of five members who come from different regions of the state and who have knowledge and experience of state environment and natural resource issues to provide recommendations for appointments under subdivision 1, paragraph (c).

(b) The duties of the Trust Fund Citizen Selection Committee ~~shall be~~ are to:

(1) identify citizen candidates to be members of the commission as part of the open appointments process under section 15.0597;

(2) request and review citizen candidate applications to be members of the commission; and

(3) interview the citizen candidates and recommend an adequate pool of candidates to be selected for commission membership by the governor, ~~the senate, and the house of representatives.~~

(c) ~~Members serve three-year terms and are entitled to travel expenses incurred to fulfill their duties under this subdivision as provided in section 15.059, subdivision 6~~ per diem and reimbursement for expenses incurred in the services of the committee, as provided in section 15.059, subdivision 3, except that a citizen selection committee member may be compensated at the rate of up to \$125 a day.

(d) A member appointed under this subdivision may not be a registered lobbyist.

**EFFECTIVE DATE.** This section is effective January 1, 2025.

Sec. 5. Minnesota Statutes 2022, section 116P.05, subdivision 2, is amended to read:

Subd. 2. **Duties.** (a) The commission ~~shall~~ must recommend an annual or biennial legislative bill for appropriations from the environment and natural resources trust fund and ~~shall~~ must adopt a strategic plan as provided in section 116P.08. Except as provided under section 116P.09, subdivision 6, paragraph (b), approval of the recommended legislative bill requires an affirmative vote of at least ~~12~~ 11 members of the commission.

(b) It is a condition of acceptance of the appropriations made from the Minnesota environment and natural resources trust fund, and oil overcharge money under section 4.071, subdivision 2, that the agency or entity receiving the appropriation must submit a work plan and annual or semiannual progress reports in the form determined by the Legislative-Citizen Commission on Minnesota Resources, and comply with applicable reporting requirements under section 116P.16. None of the money provided may be spent unless the commission has approved the pertinent work plan. Modifications to the approved work plan and budget expenditures ~~shall~~ must be made through the amendment process established by the commission. The commission ~~shall~~ must ensure that the expenditures and outcomes described in the work plan for appropriations funded by the environment and natural resources trust fund are met.

(c) The peer review procedures created under section 116P.08 must also be used to review, comment, and report to the commission on research proposals applying for an appropriation from the oil overcharge money under section 4.071, subdivision 2.

(d) The commission may adopt operating procedures to fulfill its duties under this chapter.

(e) As part of the operating procedures, the commission ~~shall~~ must:

(1) ensure that members' expectations are to participate in all meetings related to funding decision recommendations;

(2) recommend adequate funding for increased citizen outreach and communications for trust fund expenditure planning;

(3) allow administrative expenses as part of individual project expenditures based on need;

(4) provide for project outcome evaluation;

(5) keep the grant application, administration, and review process as simple as possible; and

(6) define and emphasize the leveraging of additional sources of money that project proposers should consider when making trust fund proposals.

**EFFECTIVE DATE.** This section is effective July 1, 2023.

Sec. 6. Minnesota Statutes 2022, section 116P.09, subdivision 6, is amended to read:

Subd. 6. **Conflict of interest.** (a) A commission member, a technical advisory committee member, a peer reviewer, or an employee of the commission may not participate in or vote on a decision of the commission, advisory committee, or peer review relating to an organization in which the member, peer reviewer, or employee has either a direct or indirect personal financial interest. While serving on the

commission or technical advisory committee or as a peer reviewer or while an employee of the commission, a person ~~shall~~ must avoid any potential conflict of interest.

(b) A commission member may not vote on a motion regarding the final recommendations of the commission required under section 116P.05, subdivision 2, paragraph (a), if the motion relates to an organization in which the member has a direct personal financial interest. If a commission member is prohibited from voting under this paragraph, the number of affirmative votes required under section 116P.05, subdivision 2, paragraph (a), is reduced by the number of members ineligible to vote under this paragraph.

**EFFECTIVE DATE.** This section is effective July 1, 2023.

Sec. 7. Minnesota Statutes 2022, section 116P.11, is amended to read:

**116P.11 AVAILABILITY OF FUNDS FOR DISBURSEMENT.**

(a) The amount annually available from the trust fund for the legislative bill developed by the commission is as defined in the Minnesota Constitution, article XI, section 14.

(b) Any appropriated funds not encumbered in the biennium in which they are appropriated by the date the appropriation expires cancel and must be credited to the principal of the trust fund.

Sec. 8. Minnesota Statutes 2022, section 116P.15, is amended to read:

**116P.15 CAPITAL CONSTRUCTION AND LAND ACQUISITION; RESTRICTIONS.**

Subdivision 1. **Scope.** A recipient of an appropriation from the trust fund or the Minnesota future resources fund who acquires an interest in real property with the appropriation must comply with ~~this section subdivision 2. For the purposes of this section, "interest in real property" includes, but is not limited to, an easement or fee title to property.~~ A recipient of an appropriation from the trust fund who uses any portion of the appropriation for a capital construction project with a total cost of \$10,000 or more must comply with subdivision 3.

Subd. 2. **Land acquisition restrictions; modification procedure.** (a) An easement, fee title, or other interest in real property acquired with an appropriation from the trust fund or the Minnesota future resources fund must be used in perpetuity or for the specific term of an easement interest for the purpose for which the appropriation was made. The ownership of the interest in real property transfers to the state if: (1) the holder of the interest in real property fails to comply with the terms and conditions of the grant agreement or work plan; or (2) restrictions are placed on the land that preclude its use for the intended purpose as specified in the appropriation.

(b) A recipient of funding who acquires an interest in real property subject to this section may not alter the intended use of the interest in real property or convey any interest in the real property acquired with the appropriation without the prior review and approval of the commission or its successor. The commission shall notify the chairs and ranking minority members of the legislative committees and divisions with jurisdiction over the trust fund or Minnesota future resources fund at least 15 business days before approval under this paragraph. The commission shall establish procedures to review requests from recipients to alter the use of or convey an interest in real property. These procedures shall allow for the replacement of the interest in real property with another interest in real property meeting the following criteria:

(1) the interest must be at least equal in fair market value, as certified by the commissioner of natural resources, to the interest being replaced; and



(2) the interest must be in a reasonably equivalent location, and have a reasonably equivalent useful conservation purpose compared to the interest being replaced, taking into consideration all effects from fragmentation of the whole habitat.

(c) A recipient of funding who acquires an interest in real property under paragraph (a) must separately record a notice of funding restrictions in the appropriate local government office where the conveyance of the interest in real property is filed. The notice of funding agreement must contain:

- (1) a legal description of the interest in real property covered by the funding agreement;
- (2) a reference to the underlying funding agreement;
- (3) a reference to this section; and
- (4) the following statement:

"This interest in real property shall be administered in accordance with the terms, conditions, and purposes of the grant agreement controlling the acquisition of the property. The interest in real property, or any portion of the interest in real property, shall not be sold, transferred, pledged, or otherwise disposed of or further encumbered without obtaining the prior written approval of the Legislative-Citizen Commission on Minnesota Resources or its successor. The ownership of the interest in real property transfers to the state if: (1) the holder of the interest in real property fails to comply with the terms and conditions of the grant agreement or work plan; or (2) restrictions are placed on the land that preclude its use for the intended purpose as specified in the appropriation."

**Subd. 3. Capital construction restrictions; modification procedure.** (a) A recipient of an appropriation from the trust fund who uses the appropriation to wholly or partially construct a building, trail, campground, or other capital asset may not alter the intended use of the capital asset or convey any interest in the capital asset for 25 years from the date the project is completed without the prior review and approval of the commission or its successor. The commission must notify the chairs and ranking minority members of the legislative committees and divisions with jurisdiction over the trust fund at least 15 business days before approval under this paragraph. The commission must establish procedures to review requests from recipients to alter the use of or convey an interest in a capital asset under this paragraph. These procedures must require that:

- (1) the sale price must be at least fair market value; and
- (2) the trust fund must be repaid a portion of the sale price equal to the percentage of the total funding provided by the fund for constructing the capital asset.

(b) The commission or its successor may waive the requirements under paragraph (a), clauses (1) and (2), by recommendation to the legislature if the transfer allows for a continued use of the asset in a manner consistent with the original appropriation purpose or with the purposes of the trust fund.

(c) If both a capital asset and the real property on which the asset is located were wholly or partially purchased with an appropriation from the trust fund and the commission approves a request to alter the use of or convey an interest in the real property under subdivision 2, a separate approval under this subdivision to alter the use of the capital asset is not required.

(d) A recipient of an appropriation from the trust fund who uses the appropriation to wholly or partially construct a building, trail, campground, or other capital asset must separately record a notice of funding restrictions in the appropriate local government office. The notice of funding restrictions must contain:

(1) a legal description of the interest in real property covered by the funding agreement;

(2) a reference to the underlying funding agreement;

(3) a reference to this subdivision; and

(4) the following statement:

"This interest in real property must be administered in accordance with the terms, conditions, and purposes of the grant agreement controlling the improvement of the property. The interest in real property, or any portion of the interest in real property, must not be altered from its intended use or be sold, transferred, pledged, or otherwise disposed of or further encumbered without obtaining the prior written approval of the Legislative-Citizen Commission on Minnesota Resources or its successor."

**EFFECTIVE DATE.** This section is effective July 1, 2025, and applies to money appropriated on or after that date.

Sec. 9. Minnesota Statutes 2022, section 116P.16, is amended to read:

**116P.16 REAL PROPERTY INTERESTS; REPORT.**

(a) By December 1 each year, a recipient of an appropriation from the trust fund, that is used for the acquisition of an interest in real property, including, but not limited to, an easement or fee title, or for the construction of a building, trail, campground, or other capital asset with a total cost of \$10,000 or more must submit annual reports on the status of the real property to the Legislative-Citizen Commission on Minnesota Resources or its successor in a form determined by the commission. The responsibility for reporting under this section may be transferred by the recipient of the appropriation to another person who holds the interest in the real property. To complete the transfer of reporting responsibility, the recipient of the appropriation must:

(1) inform the person to whom the responsibility is transferred of that person's reporting responsibility;

(2) inform the person to whom the responsibility is transferred of the property restrictions under section 116P.15; and

(3) provide written notice to the commission of the transfer of reporting responsibility, including contact information for the person to whom the responsibility is transferred.

(b) After the transfer, the person who holds the interest in the real property is responsible for reporting requirements under this section.

(c) The annual reporting requirements on the status of a building, trail, campground, or other capital asset with a total cost of \$10,000 or more and that was constructed with an appropriation from the trust fund expire 25 years after the date the final progress report under section 116P.05, subdivision 2, paragraph (b), is approved.

**EFFECTIVE DATE.** This section is effective July 1, 2025, and applies to money appropriated on or after that date.

Sec. 10. Minnesota Statutes 2022, section 116P.18, is amended to read:

**116P.18 LANDS IN PUBLIC DOMAIN.**

Money appropriated from the trust fund must not be used to purchase any land in fee title or a permanent conservation easement if the land in question is fully or partially owned by the state or a political subdivision of the state or was acquired fully or partially with state money, unless:

(1) the purchase creates additional direct benefit to the protection, conservation, preservation, and enhancement of the state's air, water, land, fish, wildlife, and other natural resources; and

(2) the purchase is approved, prior to the acquisition, by an affirmative vote of at least ~~12~~ 11 members of the commission.

**EFFECTIVE DATE.** This section is effective January 1, 2023.

Sec. 11. **[116P.21] ADDITIONAL CAPITAL CONSTRUCTION PROJECT REQUIREMENTS.**

Subdivision 1. **Full funding.** If an appropriation from the trust fund for a capital construction project or project phase is not alone sufficient to complete the project or project phase and a commitment from sources other than the trust fund is required:

(1) the commitment must be in an amount that, when added to the appropriation from the trust fund, is sufficient to complete the project or project phase; and

(2) the agency administering the appropriation from the trust fund must not distribute the money until the commitment is determined to be sufficient. In determining the sufficiency of a commitment under this clause, the agency must apply the standards and principles applied by the commissioner of management and budget under section 16A.502.

Subd. 2. **Match.** A recipient of money appropriated from the trust fund for a capital construction project must provide a cash or in-kind match from nontrust fund sources of at least 25 percent of the total costs to complete the project or project phase.

Subd. 3. **Sustainable building guidelines.** The sustainable building guidelines established under sections 16B.325 and 216B.241, subdivision 9, apply to new buildings and major renovations funded from the trust fund. A recipient of money appropriated from the trust fund for a new building or major renovation must ensure that the project complies with the guidelines.

Subd. 4. **Applicability.** (a) Subdivisions 1, 2, and 3 do not apply to:

(1) a capital construction project with a total cost of less than \$10,000; or

(2) a land acquisition project.

(b) If land is acquired with trust fund money for the purpose of capital construction, the land acquisition is not exempted under paragraph (a), clause (2).

Subd. 5. **Other capital construction statutes.** The following statutes also apply to recipients of appropriations from the trust fund: sections 16B.32; 16B.326; 16B.335, subdivisions 3 and 4; 16C.054; 16C.16; 16C.28; 16C.285; 138.40; 138.665; 138.666; 177.41 to 177.44; and 471.345.

**EFFECTIVE DATE.** This section is effective July 1, 2025, and applies to money appropriated on or after that date.

Sec. 12. Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 9, is amended to read:

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

-0- 29,901,000

**(a) DNR Scientific and Natural Areas**

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

**(b) Private Native Prairie Conservation through Native Prairie Bank**

\$2,000,000 the second year is from the trust fund to the commissioner of natural resources to provide technical stewardship assistance to private landowners, restore and enhance native prairie protected by easements in the native prairie bank, and acquire easements for the native prairie bank in accordance with Minnesota Statutes, section 84.96, including preparing initial baseline property assessments. Up to \$60,000 of this appropriation may be deposited in the natural resources conservation easement stewardship account, created in Minnesota Statutes, section 84.69, proportional to the number of easement acres acquired.

**(c) Minnesota State Parks and State Trails Inholdings**

\$3,500,000 the second year is from the trust fund to the commissioner of natural resources to acquire high-priority inholdings from willing sellers within the legislatively authorized boundaries of state parks, recreation areas, and trails to protect Minnesota's natural heritage, enhance outdoor recreation, and promote tourism.

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

\$2,400,000 the second year is from the trust fund to the commissioner of natural resources to solicit, rank, and fund competitive matching grants for local parks, trail connections, and natural and scenic areas under

Minnesota Statutes, section 85.019. This appropriation is for local nature-based recreation, connections to regional and state natural areas, and recreation facilities and may not be used for athletic facilities such as sport fields, courts, and playgrounds.

**(e) Mississippi River Aquatic Habitat Restoration and Mussel Reintroduction**

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

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

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

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

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

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

\$1,000,000 the second year is from the trust fund to the Metropolitan Council for grants to acquire land within the approved park boundaries of the metropolitan regional park system. This appropriation must be matched by at least 40 percent of nonstate money.

**(i) Minnesota State Trails Development**

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

**(j) Elm Creek Restoration - Phase IV**

\$500,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Champlin to conduct habitat and stream restoration of approximately 0.7 miles of Elm Creek shoreline above Mill Pond Lake and through the Elm Creek Protection Area.

**(k) Superior Hiking Trail as Environmental Showcase**

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

**(l) Upper St. Anthony Falls Enhancements**

\$2,800,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Friends of the Lock and Dam in partnership with the city of Minneapolis to design and install green infrastructure, public access, and habitat restorations on riverfront land at Upper St. Anthony Falls for water protection, recreation, and environmental education

purposes. Of this amount, up to \$600,000 is for planning, design, and engagement. No funds from this appropriation may be spent until Congress directs the U.S. Army Corps of Engineers to convey an interest in the Upper St. Anthony Falls property to the city of Minneapolis for use as a visitor center. After this congressional act is signed into law, up to \$100,000 of the planning, design, and engagement funds may be spent. The remaining planning, design, and engagement funds may be spent after a binding agreement has been secured to acquire the land or access and use rights to the land for at least 25 years. Any remaining balance of the appropriation may be spent on installing enhancements after the Upper St. Anthony Falls land has been acquired by the city of Minneapolis.

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

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

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

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

**(o) Crow Wing County Community Natural Area Acquisition**

\$400,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Crow Wing County to acquire approximately 65 acres of land adjacent to the historic fire tower property to allow for diverse recreational opportunities while protecting wildlife habitat and preventing forest fragmentation. Any revenue generated from selling

products or assets developed or acquired with this appropriation must be repaid to the trust fund unless a plan is approved for reinvestment of income in the project as provided under Minnesota Statutes, section 116P.10.

**(p) Rocori Trail - Phase III**

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

**(q) Mesabi Trail: New Trail and Additional Funding**

\$1,000,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the St. Louis and Lake Counties Regional Railroad Authority for constructing the Mesabi Trail beginning at the intersection of County Road 20 and Minnesota State Highway 135 and terminating at 1st Avenue North and 1st Street North in the city of Biwabik in St. Louis County. This appropriation may not be spent until all Mesabi Trail projects funded with trust fund appropriations before fiscal year 2020, with the exception of the project funded under Laws 2017, chapter 96, section 2, subdivision 9, paragraph (g), are completed.

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

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

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



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

**(t) Chippewa County Acquisition, Recreation, and Education**

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

**(u) Sportsmen's Training and Developmental Learning Center**

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

**(v) Birch Lake Recreation Area**

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

Sec. 13. Laws 2022, chapter 94, section 2, subdivision 5, is amended to read:

Subd. 5. **Environmental Education** -0- 4,269,000

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

\$500,000 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**

\$276,000 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**

\$300,000 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) 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.

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

\$495,000 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.

**(g) 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.

**(h) Increasing Diversity in Environmental Careers**

\$500,000 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.

**(i) 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.

Sec. 14. Laws 2022, chapter 94, section 2, subdivision 8, is amended to read:

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

-0-

11,294,000

**(a) Minnesota's Volunteer Rare Plant Conservation Corps**

\$859,000 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) 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.

**(d) Hastings Lake Rebecca Park Area**

\$1,000,000 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.

**(e) Pollinator Plantings and the Redistribution of Soil Toxins**

\$610,000 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.

**(f) PFAS Fungal-Wood Chip Filtering System**

\$189,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to identify, develop, and field-test various types of waste wood chips and fungi to sequester and degrade PFAS leachate from contaminated waste sites. This appropriation is subject to Minnesota Statutes, section 116P.10.

**(g) 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.

**(h) 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.

**(i) Bohemian Flats Savanna Restoration**

\$286,000 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.

**(j) 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 acquire interests in land and to accelerate tree planting on ~~privately owned~~, protected lands for water-quality protection and carbon sequestration. Notwithstanding subdivision 14, paragraph (e), this appropriation may be spent to reforest lands protected through long-term contracts as provided in the approved work plan.

**(k) River Habitat Restoration and Recreation in Melrose**

\$350,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Melrose to conduct habitat restoration and create fishing, canoeing, and camping opportunities along a segment of the Sauk River within the city of Melrose and to provide public education about stream restoration, fish habitat, and the importance of natural areas.

Sec. 15. Laws 2022, chapter 94, section 2, subdivision 9, is amended to read:

Subd. 9. **Habitat and Recreation**

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26,179,000

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

\$1,307,000 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 easements, 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~~ toward Tower.

**(b) 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.

**(c) 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.

**(d) St. Louis River Re-Connect**

\$500,000 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.

**(e) 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.

**(f) Minnesota State Parks and State Trails Maintenance and Development**

\$1,600,000 the second year is from the trust fund to the commissioner of natural resources for maintenance and development at state parks, recreation areas, and trails to protect Minnesota's natural heritage, enhance outdoor recreation, and improve the efficiency of public land management.

**(g) 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.

**(h) SNA Habitat Restoration and Public Engagement**

\$5,000,000 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 and increase public involvement and outreach.

**(i) The Missing Link: Gull Lake Trail, Fairview Township**

\$1,394,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Fairview Township to complete the Gull Lake Trail by engineering and constructing the trail's final segment through Fairview Township in the Brainerd Lakes area.

**(j) Silver Bay Multimodal Trailhead Project**

\$1,000,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Silver Bay to develop a multimodal trailhead center to provide safe access to the Superior, Gitchi-Gami, and C.J. Ramstad/North Shore trails; Black Beach Park; and other recreational destinations.



**(k) Brookston Campground, Boat Launch, and Outdoor Recreational Facility**

\$453,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Brookston to build a campground, boat launch, and outdoor recreation area on the banks of the St. Louis River in northeastern Minnesota. Before any trust fund dollars are spent, the city must demonstrate that all funds to complete the project are secured and a fiscal agent must be approved in the work plan.

**(l) Silver Lake Trail Connection**

\$727,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Virginia to design, engineer, and construct a multiuse trail that will connect Silver Lake Trail to a new Miners Entertainment and Convention Center and provide lighting on Bailey Lake Trail.

**(m) Floodwood Campground Improvement Project**

\$816,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Floodwood to upgrade the Floodwood Campground and connecting trails to provide high-quality nature and recreation experience for people of all ages.

**(n) Ranier Safe Harbor/Transient Dock - Phase 2**

\$1,000,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Ranier to construct a safe harbor and transient dock to accommodate watercraft of many sizes to improve public access for boat recreation on Rainy Lake. Before trust fund dollars are spent, a fiscal agent must be approved in the work plan. Before any trust fund dollars are spent, the city must demonstrate that all funds to complete the project are secured. Any revenue generated from selling products or assets developed or acquired with this appropriation must be repaid to the trust fund unless a plan is approved for reinvestment of income in the project as provided under Minnesota Statutes, section 116P.10.

Sec. 16. **EFFECTIVE DATE.**

Unless otherwise provided, this article is effective the day following final enactment.

**FY2025 - MN Laws 2024, Chapter 83, Section 2**



## M.L. 2024 Environment and Natural Resources Trust Fund (ENRTF) Appropriations by Subdivision

### Process for M.L. 2024

For FY 2025 (July 1, 2024 -June 30, 2025), \$79,644,000 was available for funding from the Environment and Natural Resources Trust Fund (ENRTF).

The Legislative-Citizen Commission on Minnesota Resources (LCCMR) selected 101 projects totaling \$79,644,000 to recommend to the 2024 Minnesota Legislature for funding from the ENRTF. The recommendations were the result of the LCCMR's 2024 Request for Proposal (RFP) in which 218 proposals requesting a total of approximately \$174 million were received and considered through a competitive, multi-stage evaluation. The recommendations ranged from funding the full proposal and dollar amount requested to partial funding for specific proposal elements.

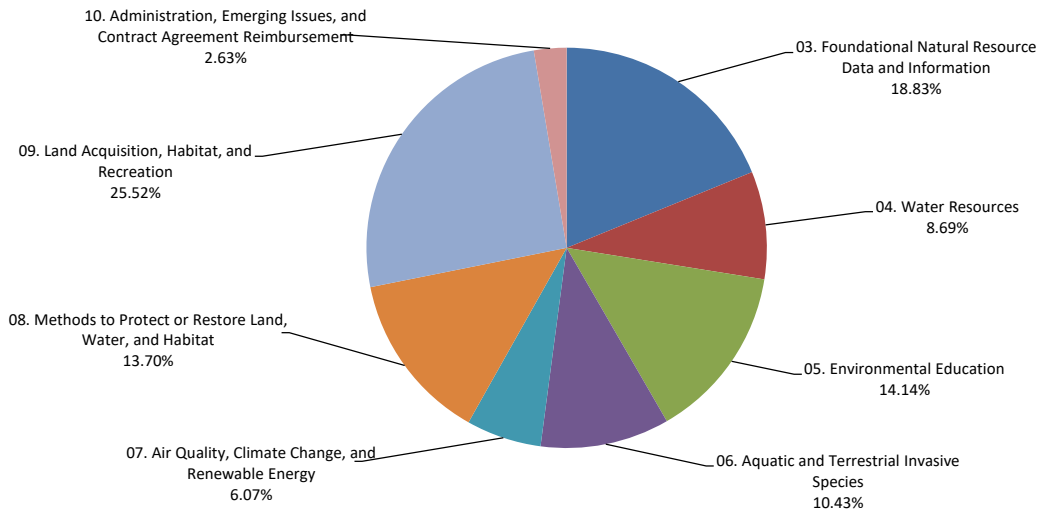
On April 4, 2024, the Legislature approved the 101 projects for funding from the ENRTF, as recommended by the LCCMR. On April 15, 2024, the 101 appropriations were signed into law by the Governor as M.L. 2024, Chapter 83, with \$79,644,000 in total appropriations.

January 18, 2023	RFP Issued
March 31, 2023	RFP Proposal Deadline (218 proposals received totaling ~\$174 million)
June 8, 2023	Selection of Proposals for Further Consideration and Presentations
June 22-23 & 27-28, 2023	Proposal Presentations
July 20, 2023	Allocation and Recommendations
August - November 2023	Recommended Projects Undergo Work Plan Development; Research Projects Undergo Peer Review
December 7, 2023	Appropriation Language Review and Adoption

### Summary of Appropriations by Subdivision

Subdivision	\$ Appropriations	\$ Percent	# Appropriations	# Percent
<b>03. Foundational Natural Resource Data and Information</b>	\$14,993,000	18.83%	28	27.72%
<b>04. Water Resources</b>	\$6,924,000	8.69%	13	12.87%
<b>05. Environmental Education</b>	\$11,262,000	14.14%	22	21.78%
<b>06. Aquatic and Terrestrial Invasive Species</b>	\$8,304,000	10.43%	4	3.96%
<b>07. Air Quality, Climate Change, and Renewable Energy</b>	\$4,833,000	6.07%	5	4.95%
<b>08. Methods to Protect or Restore Land, Water, and Habitat</b>	\$10,910,000	13.70%	16	15.84%
<b>09. Land Acquisition, Habitat, and Recreation</b>	\$20,322,000	25.52%	10	9.90%
<b>10. Administration, Emerging Issues, and Contract Agreement Reimbursement</b>	\$2,096,000	2.63%	3	2.97%
<b>Total</b>	<b>\$79,644,000</b>	<b>100.00%</b>	<b>101</b>	<b>100.00%</b>

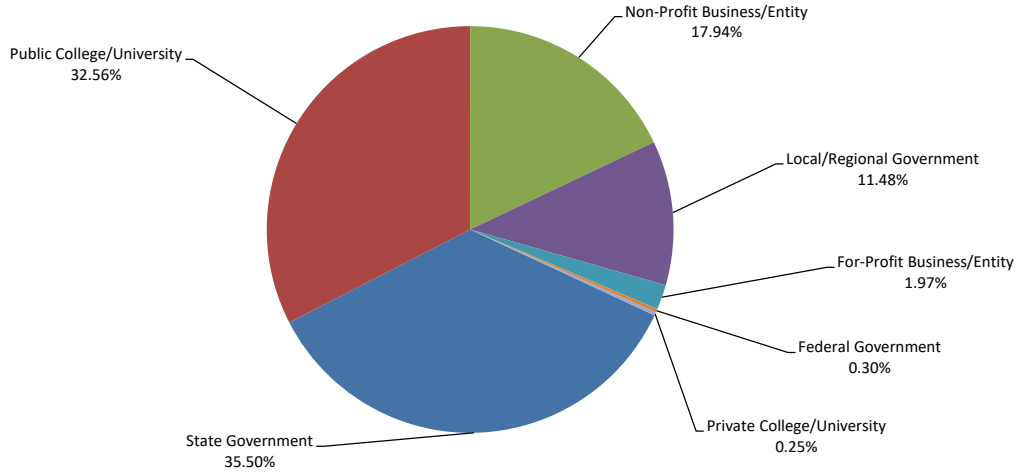
### % of Total \$ Appropriations by Subdivision



**Summary of Appropriations by Proposer Affiliation**

Affiliation Type	\$ Appropriations	\$ Percent	# Appropriations	# Percent
State Government	\$28,270,000	35.50%	20	19.80%
Public College/University	\$25,935,000	32.56%	45	44.55%
Non-Profit Business/Entity	\$14,286,000	17.94%	21	20.79%
Local/Regional Government	\$9,143,000	11.48%	11	10.89%
For-Profit Business/Entity	\$1,569,000	1.97%	2	1.98%
Federal Government	\$241,000	0.30%	1	0.99%
Private College/University	\$200,000	0.25%	1	0.99%
<b>Total</b>	<b>\$79,644,000</b>	<b>100.00%</b>	<b>101</b>	<b>100.00%</b>

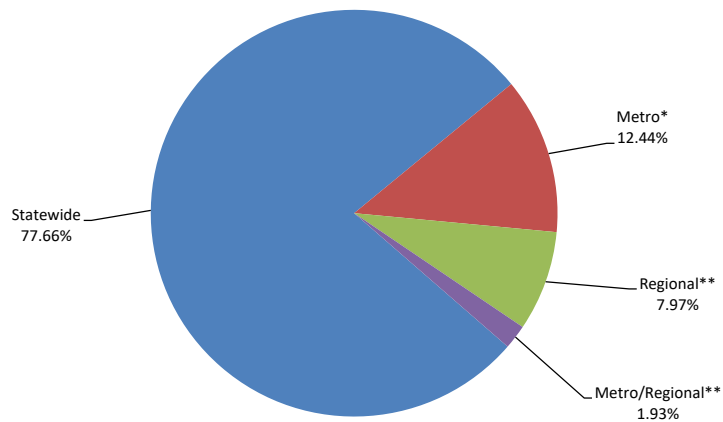
**% of Total \$ Appropriations by Proposer Affiliation**



**Summary of Appropriations by Area of Impact**

Areas of Impact	\$ Appropriations	\$ Percent	# Appropriations	# Percent
Statewide	\$61,853,000	77.66%	76	75.25%
Metro*	\$9,906,000	12.44%	8	7.92%
Regional**	\$6,347,000	7.97%	14	13.86%
Metro/Regional**	\$1,538,000	1.93%	3	2.97%
<b>Total</b>	<b>\$79,644,000</b>	<b>100.00%</b>	<b>101</b>	<b>100.00%</b>

**% of Total \$ Appropriations by Area of Impact**



\* "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.

**M.L. 2024 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations for FY 2025**

For FY 2025 (July 1, 2024 -June 30, 2025), \$79,644,000 was available for funding from the Environment and Natural Resources Trust Fund (ENRTF).

The Legislative-Citizen Commission on Minnesota Resources (LCCMR) selected 101 projects totaling \$79,644,000 to recommend to the 2024 Minnesota Legislature for funding from the ENRTF. The recommendations were the result of the LCCMR's 2024 Request for Proposal (RFP) in which 218 proposals requesting a total of approximately \$174 million were received and considered through a competitive, multi-stage evaluation. The recommendations ranged from funding the full proposal and dollar amount requested to partial funding for specific proposal elements.

On April 4, 2024, the Legislature approved the 101 projects for funding from the ENRTF, as recommended by the LCCMR. On April 15, 2024, the 101 appropriations were signed into law by the Governor as M.L. 2024, Chapter 83, with \$79,644,000 in total appropriations.

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

Topic Area	\$ Appropriated	Percentage of Total Appropriation
<b>Subd. 03 Foundational Natural Resource Data and Information</b> 28 Appropriations	\$14,993,000	18.83%
<b>Subd. 04 Water Resources</b> 13 Appropriations	\$6,924,000	8.69%
<b>Subd. 05 Environmental Education</b> 22 Appropriations	\$11,262,000	14.14%
<b>Subd. 06 Aquatic and Terrestrial Invasive Species</b> 4 Appropriations	\$8,304,000	10.43%
<b>Subd. 07 Air Quality, Climate Change, and Renewable Energy</b> 5 Appropriations	\$4,833,000	6.07%
<b>Subd. 08 Methods to Protect or Restore Land, Water, and Habitat</b> 16 Appropriations	\$10,910,000	13.70%
<b>Subd. 09 Land Acquisition, Habitat, and Recreation</b> 10 Appropriations	\$20,322,000	25.52%
<b>Subd. 10 Administration, Emerging Issues, and Contract Agreement Reimbursement</b> 3 Appropriations	\$2,096,000	2.63%
<b>Total Appropriations</b>	<b>\$79,644,000</b>	<b>100.00%</b>

Fund Source	\$ Amount
FY 2025 - Environment and Natural Resources Trust Fund (ENRTF)	\$79,644,000
<b>Total \$</b>	<b>\$79,644,000</b>

**M.L. 2024 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations for FY 2025**

Subd.	Proposal ID	Title	LCCMR Total Appropriated Amount (FY25)	Organization	Project Manager	Region*
<b>Subd. 03 Foundational Natural Resource Data and Information (28 Appropriations = \$14,993,000)</b>						
03a	2024-014	Native Plant Community Data in the City of Duluth	\$198,000	Minnesota Land Trust	Virginia Breidenbach	NE
03b	2024-036	Reconstructing Historical Wild Rice to Understand Its Future	\$200,000	Science Museum of Minnesota, St. Croix Watershed Research Station	Lienne Sethna	Statewide
03c	2024-044	Characterizing Tree Cavities and Use by Minnesota's Wildlife	\$349,000	U of MN, Duluth - NRRI	Alexis Grinde	Statewide
03d	2024-046	Fate of Minnesota's Lakes in the Next Century	\$453,000	U of MN, College of Science and Engineering	Ardeshir Ebtehaj	Statewide
03e	2024-048	Turtle Island Skywatchers – Minnesota Research and Data Visualization	\$200,000	Native Skywatchers Inc	Annette S. Lee	Statewide
03f	2024-063	Monitoring Minnesota's Insects: Connecting Habitat to Insect Prey	\$199,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Matthew Petersen	Central, NW
03g	2024-068	Determining Ambient Background PFAS Concentrations in Minnesota Soils	\$621,000	Minnesota Pollution Control Agency	William (Bill) Cole	Statewide
03h	2024-071	Investigating Life History Characteristics of Minnesota Elk	\$933,000	MN DNR, Fish and Wildlife Division	Eric Michel	Statewide
03i	2024-072	Foundational Data for Moth and Butterfly Conservation	\$195,000	MN DNR, Ecological and Water Resources Division	Gerda Nordquist	Statewide
03j	2024-078	DNR County Groundwater Atlas	\$3,200,000	MN DNR, Ecological and Water Resources Division	Vanessa Baratta	Statewide
03k	2024-083	Voyageurs Wolf Project - Phase III	\$996,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Joseph Bump	Statewide
03l	2024-088	Distribution and Population Status of Weasels in Minnesota	\$400,000	U of MN, Duluth - NRRI	Michael Joyce	Statewide
03m	2024-150	Improving Aquatic Plant Knowledge for Healthy Waters	\$198,000	MN DNR, Ecological and Water Resources Division	Holly Bernardo	Statewide
03n	2024-158	New Small Mammal Monitoring Methods for Minnesota	\$199,000	U of MN, Duluth - NRRI	Ron Moen	Statewide
03o	2024-163	Status of Bats and Roost Trees after White-Nose Syndrome	\$195,000	U of MN, Duluth - NRRI	Ron Moen	Statewide
03p	2024-172	Sublethal Effects of Pesticides on the Invertebrate Community	\$387,000	U of MN, College of Biological Sciences	Mingzi Xu	Statewide
03q	2024-186	Modernizing Minnesota's Plant Community Classification and Field Guides	\$1,800,000	MN DNR, Ecological and Water Resources Division	Bruce Carlson	Statewide
03r	2024-192	Assessing Prairie Health to Inform Pollinator Conservation	\$297,000	Minnesota Zoological Society	Erik Runquist	NE



**M.L. 2024 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations for FY 2025**

Subd.	Proposal ID	Title	LCCMR Total Appropriated Amount (FY25)	Organization	Project Manager	Region*
03s	2024-193	Understanding Native Fishes in the Bowfishing Era	\$588,000	U of MN, Duluth	Alec Lackmann	Statewide
03t	2024-206	Preserving Minnesota Wildflower Information	\$199,000	U of MN, Bell Museum of Natural History	Ya Yang	Statewide
03u	2024-215	White-Tailed Deer Movement and Disease in Suburban Areas	\$699,000	U of MN, College of Biological Sciences	Meggan Craft	Statewide
03v	2024-222	Highly Pathogenic Avian Influenza and Minnesota Raptors	\$187,000	U of MN, Raptor Center	Victoria Hall	Statewide
03w	2024-223	Geologic Atlases for Water Resource Management	\$1,236,000	U of MN, MN Geological Survey	Barbara Lusardi	Statewide
03x	2024-224	Remote Sensing for Pollinator Habitat	\$180,000	Monarch Joint Venture	Wendy Caldwell	Statewide
03y	2024-247	Harnessing Cover Crops and Roots for Sustainable Cropping	\$375,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Axel Garcia y Garcia	SW
03z	2024-251	Effects of Conservation Grazing on Solar Sites Managed for Pollinator Habitat	\$88,000	Minnesota Native Landscapes	Daniel Tix	Central, Metro
03aa	2024-278	Genetic Detection of Endangered Mussels in the Mississippi	\$241,000	US Geological Survey, Ohio Water Microbiology Lab	Lauren Lynch	Statewide
03bb	2024-296	Integrated Population Modeling for Trumpeter Swans	\$180,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Todd Arnold	Statewide
		<b>SubTotal</b>	<b>\$14,993,000</b>			
<b>Subd. 04 Water Resources (13 Appropriations = \$6,924,000)</b>						
04a	2024-037	Hyperspectral Characterization of Toxic Harmful Algal Blooms	\$399,000	U of MN, St. Anthony Falls Laboratory	Ardeshir Ebtehaj	Statewide
04b	2024-057	Characterization of Chemicals in Structural Fire Wastewater	\$369,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Grace Wilson	Statewide
04c	2024-061	Climate Change and Management Effects on Methane Cycling in Lakes	\$540,000	U of MN, College of Biological Sciences	James Cotner	Statewide
04d	2024-073	Enhancing Wastewater Treatment through Genetic Sequencing	\$553,000	U of MN, College of Science and Engineering	Timothy LaPara	Statewide
04e	2024-077	Improving Water Efficiency Programming with Measurable Outcomes	\$200,000	City of Woodbury	Heidi Quinn	Metro
04f	2024-086	Fluorine Beyond PFAS: Pesticide and Pharmaceutical Degradation	\$400,000	U of MN, College of Science and Engineering	William Arnold	Statewide
04g	2024-161	Novel Nutrient Recovery Process from Wastewater Treatment Plants	\$486,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Bo Hu	Statewide

**M.L. 2024 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations for FY 2025**

Subd.	Proposal ID	Title	LCCMR Total Appropriated Amount (FY25)	Organization	Project Manager	Region*
04h	2024-164	Visitor Perceptions of Water Quality to Aid Lake Management	\$379,000	U of MN, Humphrey School of Public Affairs	Bonnie Keeler	Statewide
04i	2024-173	Wildfire Impacts on Mercury Cycling in Wilderness Lakes	\$297,000	U of MN, Duluth - NRRI	Christopher Filstrup	Statewide
04j	2024-213	Flood and Drought Modeling for Minnesota	\$499,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	John Nieber	Statewide
04k	2024-257	Breaking the PFAS Cycle with a Full-Scale Demonstration	\$1,481,000	Barr Engineering Co.	Andrew McCabe	Statewide
04l	2024-269	Are Stream Restoration Efforts Effective? An Evidence-Based Assessment	\$200,000	Saint Mary's University	Andrew Robertson	Statewide
04m	2024-279	Uncovering the Past to Protect Minnesota's Walleye Fisheries	\$1,121,000	Science Museum of Minnesota, St. Croix Watershed Research Station	Adam Heathcote	Statewide
		<b>SubTotal</b>	<b>\$6,924,000</b>			
<b>Subd. 05 Environmental Education (22 Appropriations = \$11,262,000)</b>						
05a	2024-015	Jay C. Hormel Nature Center Supplemental Teaching Staff	\$410,000	City of Austin	Luke Reese	SE
05b	2024-017	Connecting Communities to Voyageurs Classroom and Minnesota's National Park	\$994,000	Voyageurs Conservancy	Christina Hausman Rhode	Statewide
05c	2024-023	Supporting Minnesota Teachers to Implement Culturally Sustaining Environmental Education	\$295,000	U of MN, College of Biological Sciences	Seth Thompson	Statewide
05d	2024-027	Phenology Investigations in Minnesota Schools	\$392,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Robert Blair	Statewide
05e	2024-028	Get the Lead Out: Lead-Free Fishing Tackle Education	\$254,000	Minnesota Pollution Control Agency	Kelly Amoth	Statewide
05f	2024-058	Water Science and Policy Fellowships for Minnesota	\$407,000	U of MN, Duluth - Sea Grant	Alexander Frie	Statewide
05g	2024-059	Mentoring Next Generation of Conservation Professionals - Phase 2	\$793,000	Minnesota Valley National Wildlife Refuge Trust Inc	Deborah Loon	Statewide
05h	2024-091	Restoring Land, Reviving Heritage: Indigenous Conservation - Phase 2	\$688,000	Belwin Conservancy	Hannah Brithón	Metro
05i	2024-099	Unlocking Minnesota Wilderness for Youth	\$705,000	YMCA of the North	Beth Becker	Statewide
05j	2024-100	Outdoor Pathways to Environmental Education, Recreation, and Careers	\$1,500,000	Wilderness Inquiry	Meg Krueger	Statewide
05k	2024-111	Increasing Access to Environmental Education Youth Camps	\$163,000	Osprey Wilds Environmental Learning Center	Bryan Wood	Statewide

**M.L. 2024 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations for FY 2025**

Subd.	Proposal ID	Title	LCCMR Total Appropriated Amount (FY25)	Organization	Project Manager	Region*
05l	2024-115	Launching Environmental Education at Shepard Farm	\$639,000	Dodge Nature Center	Pete Cleary	Metro
05m	2024-129	YES! Students Step Up To Reduce Carbon Footprint	\$199,000	Prairie Woods Environmental Learning Center	Kalley Pratt	Statewide
05n	2024-139	The Boundary Waters is Our Backyard	\$500,000	Friends of the Boundary Waters Wilderness	Bree Sikorski	NE
05o	2024-168	Season Watch: Cultivating Young Naturalists with Phenology Education	\$180,000	Northern Community Radio, Inc.	Sarah Bignall	Statewide
05p	2024-177	Rural Minnesota Mobile Lab: Environmental-Focused Earth Science Education	\$459,000	U of MN, Crookston	Timothy Dudley	Statewide
05q	2024-188	Increasing Accessibility of Environmental Education at Deep Portage	\$228,000	Deep Portage Learning Center	Lindsay Bjorklund	Statewide
05r	2024-200	College-School Collaboration to Promote Environmental Career Paths	\$174,000	Minnesota State Colleges and Universities, Minnesota State University Mankato	Kimberly Musser	Statewide
05s	2024-250	Water Quality and Robots: Experientially Educating Minnesotan Youth	\$353,000	U of MN, College of Science and Engineering	Nikolaos Papanikolopoulos	Statewide
05t	2024-272	Expanding Youth and Family Fishing Opportunities	\$1,162,000	MN DNR, Fish and Wildlife Division	Brian Nerbonne	Statewide
05u	2024-273	Youth Conservation Empowerment Project	\$70,000	U of MN, Extension Center for Youth Development	Nicole Pokorney	SE
05v	2024-292	North Minneapolis Nature Connection: Storytelling and Leadership Pathways	\$697,000	The Loppet Foundation	DeAnna Smith Perkins	Metro
		<b>SubTotal</b>	<b>\$11,262,000</b>			
<b>Subd. 06 Aquatic and Terrestrial Invasive Species (4 Appropriations = \$8,304,000)</b>						
06a	2024-089	Minnesota Invasive Terrestrial Plants and Pests Center - Phase 7	\$7,000,000	U of MN, MITPPC	Heather Koop	Statewide
06b	2024-097	Mitigating the Spread of Invasive Jumping Worms	\$470,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Vera Krischik	Statewide
06c	2024-114	Implementing Innovative Techniques to Manage Low-Density Invasive Carp	\$634,000	MN DNR, Fish and Wildlife Division	Brian Nerbonne	Statewide
06d	2024-198	Early Detection of Invasive Viruses in Native Pollinators	\$200,000	U of MN, College of Veterinary Medicine	Declan Schroeder	Statewide
		<b>SubTotal</b>	<b>\$8,304,000</b>			
<b>Subd. 07 Air Quality, Climate Change, and Renewable Energy (5 Appropriations = \$4,833,000)</b>						
07a	2024-039	Minimizing Minnesota's Landfill Problem by Expanding Waste Diversion	\$2,318,000	Better Futures Minnesota	Jason Allen	Statewide
07b	2024-049	Building Resilient Urban Forests for Climate Change	\$752,000	Great River Greening	Todd Rexine	Central, Metro, SW

**M.L. 2024 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations for FY 2025**

Subd.	Proposal ID	Title	LCCMR Total Appropriated Amount (FY25)	Organization	Project Manager	Region*
07c	2024-076	Improving Agricultural Ecosystems through Autonomous Weed Control	\$978,000	U of MN, WCROC	Eric Buchanan	Statewide
07d	2024-098	Advanced Biofilter for N <sub>2</sub> O Removal	\$325,000	U of MN, College of Biological Sciences	Satoshi Ishii	Statewide
07e	2024-153	Managing Future Floods and Droughts in Minnesota	\$460,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Amanda Farris	Statewide
		<b>SubTotal</b>	<b>\$4,833,000</b>			
<b>Subd. 08 Methods to Protect or Restore Land, Water, and Habitat (16 Appropriations = \$10,910,000)</b>						
08a	2024-005	Long-Term Preservation of Minnesota's Ball Cactus Population	\$100,000	U of MN, Landscape Arboretum	David Remucal	SW
08b	2024-022	Morrison County Historical Society Streambank Stabilization and Restoration	\$519,000	Morrison Soil and Water Conservation District	Shannon Wettstein	Central
08c	2024-045	Can Increased Tree Diversity Increase Community Diversity?	\$415,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Marcella Windmuller-Campione	Central, NE, NW
08d	2024-090	Restoration of Riverside Park	\$141,000	City of Long Prairie	Ted Gray	Central
08e	2024-096	Pollinator Central IV: Habitat Improvement with Public Engagement	\$698,000	Great River Greening	Rebecca Tucker	Central, Metro
08f	2024-103	Conservation Grazing for Birds, Beef, and Better Soil	\$342,000	Audubon Minnesota	Dale Gentry	Statewide
08g	2024-108	Minnesota Microbes for Enhanced Biodegradation of Microplastics	\$524,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Brett Barney	Statewide
08h	2024-170	Completing the Mississippi River Greenway: Dakota County	\$657,000	Dakota County	Tom Lewanski	Metro
08i	2024-175	Enabling Nature to Destroy Environmental PFAS Contaminants	\$378,000	U of MN, College of Biological Sciences	Romas Kazlauskas	Statewide
08j	2024-185	Bioacoustics for Species Monitoring and Conservation - Phase 2	\$568,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Elena West	Statewide
08k	2024-189	Preventing PFAS and Microplastics Contaminants across Minnesota	\$656,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Roger Ruan	Statewide
08l	2024-227	Shingle Creek Aquatic and Shoreline Habitat Enhancement	\$1,100,000	Minneapolis Park and Recreation Board	Adam Arvidson	Metro
08m	2024-237	LiDAR Technology to Help Prevent Wildlife Fatalities from Wind Turbines	\$525,000	U of MN, College of Science and Engineering	Sayan Biswas	Metro
08n	2024-255	Road Salt Pollution of Surface Waters from Groundwater	\$622,000	U of MN, College of Science and Engineering	John Gulliver	Statewide

**M.L. 2024 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations for FY 2025**

Subd.	Proposal ID	Title	LCCMR Total Appropriated Amount (FY25)	Organization	Project Manager	Region*
08o	2024-277	Growing the Minnesota Bison Conservation Herd	\$1,775,000	MN DNR, State Parks and Trails Division	Molly Tranel Nelson	Statewide
08p	2024-298	Priority Lakes: Meeting Protection Goals and Multiplying Benefits	\$1,890,000	Hubbard County Soil & Water Conservation District	Crystal Mathisrud	Central
		<b>SubTotal</b>	<b>\$10,910,000</b>			
<b>Subd. 09 Land Acquisition, Habitat, and Recreation (10 Appropriations = \$20,322,000)</b>						
09a	2024-009	Minnesota Driftless Hiking Trail	\$426,000	Minnesota Driftless Hiking Trail	Marty Walsh	SE
09b	2024-064	Local Parks, Trails, and Natural Areas Grant Programs	\$4,791,000	MN DNR, State Parks and Trails Division	Jenni Bubke	Statewide
09c	2024-081	Acquisition of State Park Inholdings	\$1,886,000	Parks & Trails Council of Minnesota	Brett Feldman	Statewide
09d	2024-092	Scientific and Natural Area (SNA) Biodiversity Protection	\$957,000	MN DNR, Ecological and Water Resources Division	Judy Elbert	Statewide
09e	2024-093	Metropolitan Regional Parks System Land Acquisition - Phase 8	\$3,000,000	Metropolitan Council	Jessica Lee	Metro
09f	2024-094	Zumbro River Regional Water Trail	\$170,000	City of Oronoco	Jason Baker	SE
09g	2024-113	Spring Lake Park Reserve Restoration and River Access	\$2,925,000	Dakota County	Niki Geisler	Metro
09h	2024-136	Minnesota State Trails Development	\$5,036,000	MN DNR, State Parks and Trails Division	Kent Skaar	Statewide
09i	2024-174	Birch Lake Marina Design	\$197,000	City of Babbitt	Robecca Jaeger	Statewide
09j	2024-264	Dent and Vergas Spur Trails	\$934,000	Otter Tail County	Nicholas Leonard	Central
		<b>SubTotal</b>	<b>\$20,322,000</b>			
<b>Subd. 10 Administration, Emerging Issues, and Contract Agreement Reimbursement (3 Appropriations = \$2,096,000)</b>						
10a	2024-001	LCCMR Budget Supplement	\$750,000	Legislative-Citizen Commission on Minnesota Resources	Becca Nash	Statewide
10b	2024-002	Emerging Issues 2024	\$1,071,000	Legislative-Citizen Commission on Minnesota Resources	Becca Nash	Statewide
10c	2024-117	2024 Contract Agreement Reimbursement	\$275,000	MN DNR, Grants Unit	Katherine Sherman-Hoehn	Statewide
		<b>SubTotal</b>	<b>\$2,096,000</b>			
		<b>Total</b>	<b>\$79,644,000</b>			

**M.L. 2024 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Appropriations for FY 2025**

Subd.	Proposal ID	Title	LCCMR Total Appropriated Amount (FY25)	Organization	Project Manager	Region*
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\* Metro region includes the 11 counties of Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Sherburne, Washington, and Wright.

**CHAPTER 83--H.F.No. 3377**

*An act relating to natural resources; appropriating money from environment and natural resources trust fund; modifying previous appropriations; amending Laws 2019, First Special Session chapter 4, article 2, section 2, subdivision 9; Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 9; Laws 2022, chapter 94, section 2, subdivisions 9, as amended, 10; Laws 2023, chapter 60, article 2, section 2, subdivision 9.*

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 "2024" and "2025" used in this act mean that the appropriations listed under them are available for the fiscal year ending June 30, 2024, or June 30, 2025, respectively. "The first year" is fiscal year 2024. "The second year" is fiscal year 2025. "The biennium" is fiscal years 2024 and 2025. 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.

<b><u>APPROPRIATIONS</u></b>	
<b><u>Available for the Year</u></b>	
<b><u>Ending June 30</u></b>	
<b><u>2024</u></b>	<b><u>2025</u></b>

Sec. 2. **MINNESOTA RESOURCES**

<b><u>Subdivision 1. Total Appropriation</u></b>	<b><u>\$</u></b>	<b><u>0</u></b>	<b><u>\$</u></b>	<b><u>79,644,000</u></b>
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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.

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**-0-14,993,000**(a) Native Plant Community Data in the City of Duluth**

\$198,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Minnesota Land Trust to develop field-verified native plant community data and maps for the city of Duluth and the St. Louis River estuary to support conservation and restoration activities.

**(b) Reconstructing Historical Wild Rice to Understand Its Future**

\$200,000 the second year is from the trust fund to the Science Museum of Minnesota for the St. Croix Watershed Research Station to characterize environmental drivers contributing to the decline of wild rice using lake sediment cores to reconstruct historical wild rice abundance in relation to lake and watershed stressors.

**(c) Characterizing Tree Cavities and Use by Minnesota's Wildlife**

\$349,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Natural Resources Research Institute in Duluth to assess the effects of forest management on Minnesota's primary cavity engineer, the pileated woodpecker, and on the wildlife that rely on the cavities that pileated woodpeckers create. This appropriation is also to develop management guidelines.

**(d) Fate of Minnesota's Lakes in the Next Century**

\$453,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to use new modeling techniques to quantify how water quality of Minnesota's lakes will change in the next century under future land use and climate change scenarios and to create an online web tool to display the results. This appropriation is subject to Minnesota Statutes, section 116P.10. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.



**(e) Turtle Island Skywatchers - Minnesota Research and Data Visualization**

\$200,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Native Skywatchers Inc. to engage youth in environmental stewardship by collecting images and acoustic data from turtles and other culturally significant animals and their habitats, evaluating the differences in these soundscapes across landscapes, and sharing the results through scientific storytelling and online platforms.

**(f) Monitoring Minnesota's Insects: Connecting Habitat to Insect Prey**

\$199,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to investigate the ecological roles of and energy transfer by certain Minnesota insects throughout their life cycles and to train future insect researchers on field techniques.

**(g) Determining Ambient Background PFAS Concentrations in Minnesota Soils**

\$621,000 the second year is from the trust fund to the commissioner of the Pollution Control Agency to determine ambient background per- and polyfluoroalkyl substance (PFAS) levels in urban and nonurban soils to help Minnesota develop management strategies for PFAS-contaminated soils. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(h) Investigating Life History Characteristics of Minnesota Elk**

\$933,000 the second year is from the trust fund to the commissioner of natural resources to assess Minnesota elk herd health and genetic diversity, movements, survival, and causes of mortality and to develop a noninvasive, safer, and more accurate method to estimate population size. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(i) Foundational Data for Moth and Butterfly Conservation**

\$195,000 the second year is from the trust fund to the commissioner of natural resources to perform field surveys and consolidate existing data to create the first comprehensive list of Minnesota moths and butterflies. This appropriation is also to conduct outreach to inform land managers and to facilitate public appreciation of these species.

**(j) DNR County Groundwater Atlas**

\$3,200,000 the second year is from the trust fund to the commissioner of natural resources to continue producing county groundwater atlases to inform management of surface water and groundwater resources for drinking and other purposes. This appropriation is for Part B, to characterize the potential water yields of aquifers and aquifers' sensitivity to contamination.

**(k) Voyageurs Wolf Project - Phase III**

\$996,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to continue to study summertime wolf predation on deer, moose, and other species in the greater Voyageurs ecosystem to inform wildlife management and to share natural history of this species with the public. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(l) Distribution and Population Status of Weasels in Minnesota**

\$400,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Natural Resources Research Institute in Duluth to determine the distribution, relative abundance, and spatial occupancy patterns of small weasel species in Minnesota to fill key knowledge gaps in weasel distribution and status in Minnesota.

**(m) Improving Aquatic Plant Knowledge for Healthy Waters**

\$198,000 the second year is from the trust fund to the commissioner of natural resources to collect foundational data on Minnesota's native aquatic plant biodiversity through new and enhanced lake surveys and to disseminate results to state resource managers, scientists, and the public.

**(n) New Small Mammal Monitoring Methods for Minnesota**

\$199,000 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 camera trapping methods as a new tool to collect foundational data and fill key knowledge gaps in the status of small mammal species in Minnesota.

**(o) Status of Bats and Roost Trees after White-Nose Syndrome**

\$195,000 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 study changes in maternity roost trees and bat populations in the forested areas of Minnesota and to evaluate the effects of years of white-nose syndrome on Minnesota bats.

**(p) Sublethal Effects of Pesticides on the Invertebrate Community**

\$387,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to provide data on pesticide contamination in soil and the insect community across the state and the effect of insecticide exposure on insect reproduction. This appropriation is available until June 30, 2029, by which time the project must be completed and final products delivered.

**(q) Modernizing Minnesota's Plant Community Classification and Field Guides**

\$1,800,000 the second year is from the trust fund to the commissioner of natural resources to collect additional vegetation and environmental data and update the state's 20-year-old native plant community classification guides to incorporate new data,

streamline user application and access to products, and include analysis of climate and vegetation trends. Net income generated as part of this appropriation may be reinvested in the project if a plan for reinvestment is approved in the work plan. This appropriation is subject to Minnesota Statutes, section 116P.10.

**(r) Assessing Prairie Health to Inform Pollinator Conservation**

\$297,000 the second year is from the trust fund to the Minnesota Zoological Society to assess habitat quality and pesticide occurrence in Minnesota prairies to help inform management actions, endangered species recovery plans, and pollinator reintroduction efforts for endangered and threatened butterflies and other wildlife.

**(s) Understanding Native Fishes in the Bowfishing Era**

\$588,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota, Duluth, to collect foundational biological information on a selection of native Minnesota fish to aid in sustainable management, improve recreational opportunities, and educate the public about these shared aquatic resources. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(t) Preserving Minnesota Wildflower Information**

\$199,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota, Bell Museum of Natural History, to preserve and enhance Minnesota Wildflowers Information, an online tool for plant identification, by integrating the content and functionality of the website with the Minnesota Biodiversity Atlas for public use as required by Laws 2017, chapter 96, section 2, subdivision 3, paragraph (e).

**(u) White-Tailed Deer Movement and Disease in Suburban Areas**

\$699,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to better understand white-tailed deer movement, habitat

use, and disease dynamics at the suburban-agricultural interface to inform more efficient deer management and disease control.

**(v) Highly Pathogenic Avian Influenza and Minnesota Raptors**

\$187,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Raptor Center to evaluate Minnesota raptors for current or past infections with highly pathogenic avian influenza virus to better understand disease transmission and outbreak impacts on raptor populations.

**(w) Geologic Atlases for Water Resource Management**

\$1,236,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota, Minnesota Geological Survey, to continue producing county geologic atlases to inform management of surface water and groundwater resources. This appropriation is to complete Part A, which focuses on the properties and distribution of earth materials to define aquifer boundaries and the connection of aquifers to the land surface and surface water resources.

**(x) Remote Sensing for Pollinator Habitat**

\$180,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Monarch Joint Venture to use remote sensing technology to evaluate pollinator habitat on energy and transportation corridors across Minnesota and to host field-day training workshops.

**(y) Harnessing Cover Crops and Roots for Sustainable Cropping**

\$375,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to determine carbon sequestration, nitrogen credit potential, water use, and performance of cover crops in corn-soybean and corn-soybean-wheat rotations in southern Minnesota.

**(z) Effects of Conservation Grazing on Solar Sites Managed for Pollinator Habitat**

\$88,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Minnesota Native Landscapes, in partnership with Temple University, to analyze the effects of sheep grazing and mowing on the vegetation and soils of solar sites managed for pollinator habitat and to improve understanding of the environmental outcomes from the colocation of solar panels; grazing; and native, pollinator-friendly vegetation. This appropriation is available until June 30, 2029, by which time the project must be completed and final products delivered.

**(aa) Genetic Detection of Endangered Mussels in the Mississippi**

\$241,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the United States Geological Survey, Ohio Water Microbiology Lab, to create, optimize, and use eDNA assays to detect the presence of endangered or threatened mussel species around Buffalo Slough near the Prairie Island Indian Community.

**(bb) Integrated Population Modeling for Trumpeter Swans**

\$180,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to compile and use all available data to model historical population abundance and estimate future population dynamics of Minnesota trumpeter swans.

**Subd. 4. Water Resources**

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6,924,000

**(a) Hyperspectral Characterization of Toxic Harmful Algal Blooms**

\$399,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota, St. Anthony Falls Laboratory, to investigate the use of hyperspectral microscopic imaging to detect harmful algal bloom (HAB) species and toxicity levels in Minnesota lakes that will support the development of HAB early-warning remote sensing tools. This appropriation is subject to Minnesota Statutes, section

116P.10, and is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(b) Characterization of Chemicals in Structural Fire Wastewater**

\$369,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to identify, analyze, and model the fate of chemicals present in wastewater from extinguished structural fires to better understand potential toxicity to humans and aquatic life.

**(c) Climate Change and Management Effects on Methane Cycling in Lakes**

\$540,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to collect monitoring data and create a model to measure the effects of increased temperature and precipitation on lake and wetland water quality, habitat, and greenhouse gas emissions and evaluate lake management options under changing climate conditions.

**(d) Enhancing Wastewater Treatment through Genetic Sequencing**

\$553,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to generate genome sequences for and assess the ability of bacteria growing in wastewater treatment bioreactors to improve phosphorus and nitrogen removal from wastewater in Minnesota and to produce novel pharmaceutical compounds. This appropriation is subject to Minnesota Statutes, section 116P.10.

**(e) Improving Water Efficiency Programming with Measurable Outcomes**

\$200,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Woodbury to accelerate the implementation of new and innovative water efficiency programs to conserve water and serve as a model for other communities.

**(f) Fluorine Beyond PFAS: Pesticide and Pharmaceutical Degradation**

\$400,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to identify fluorinated pesticides and pharmaceuticals that degrade into potentially persistent or toxic byproducts and to analyze the microbes, processes, and conditions involved to inform bioremediation and development of more sustainable chemistries.

**(g) Novel Nutrient Recovery Process from Wastewater Treatment Plants**

\$486,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to continue to develop an integrated process to promote nutrient removal and recovery and renewable energy production at rural municipal and industrial wastewater treatment plants. This appropriation is subject to Minnesota Statutes, section 116P.10.

**(h) Visitor Perceptions of Water Quality to Aid Lake Management**

\$379,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota, Humphrey School of Public Affairs, to conduct an analysis of lake visitor perceptions, management actions, and water quality to inform lake management.

**(i) Wildfire Impacts on Mercury Cycling in Wilderness Lakes**

\$297,000 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 evaluate the long-term effects of wildfires on lake water quality, mercury mobilization, and mercury bioaccumulation in fish and to develop predictive tools that inform management and help protect the health of fisheries and manoomin in wilderness lakes.

**(j) Flood and Drought Modeling for Minnesota**

\$499,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to compile new and existing data and develop a tool to



provide cities and watershed districts with quantitative estimates of the effects of land use and climate change on floods and droughts.

**(k) Breaking the PFAS Cycle with a Full-Scale Demonstration**

\$1,481,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Barr Engineering Company, in partnership with the city of St. Cloud and the Minnesota Technical Assistance Program (MnTAP) at the University of Minnesota, to conduct a full-scale pilot to evaluate supercritical water oxidation of biosolids and drinking water treatment residuals to destroy per- and polyfluoroalkyl substances (PFAS) and recover energy in the water treatment process. This appropriation is subject to Minnesota Statutes, section 116P.10.

**(l) Are Stream Restoration Efforts Effective? An Evidence-Based Assessment**

\$200,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Saint Mary's University of Minnesota to assess stream habitat improvement projects to improve trout populations and stream health in Minnesota's Driftless Area.

**(m) Uncovering the Past to Protect Minnesota's Walleye Fisheries**

\$1,121,000 the second year is from the trust fund to the Science Museum of Minnesota for the St. Croix Watershed Research Station to reconstruct historical lake conditions to identify factors linked to successful walleye fisheries and guide management in the face of warming temperatures, invasive species, and nutrient loading.

**Subd. 5. Environmental Education**

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11,262,000

**(a) Jay C. Hormel Nature Center Supplemental Teaching Staff**

\$410,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Austin to continue providing

environmental education opportunities at the Jay C. Hormel Nature Center for learners from outside the city of Austin.

**(b) Connecting Communities to Voyageurs Classroom and Minnesota's National Park**

\$994,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Voyageurs Conservancy to connect Minnesotans to the state's only national park through standards-aligned K-12 education, career-building fellowships, and enhanced programming that engages diverse audiences in the park's conservation.

**(c) Supporting Minnesota Teachers to Implement Culturally Sustaining Environmental Education**

\$295,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to provide workshops across Minnesota to train middle school and high school teachers in how to meet new state science standards by integrating western science and Indigenous perspectives in sustainability and water conservation education.

**(d) Phenology Investigations in Minnesota Schools**

\$392,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to provide professional development workshops in greater Minnesota for teachers to use phenology curriculum and community science resources in environmental education.

**(e) Get the Lead Out: Lead-Free Fishing Tackle Education**

\$254,000 the second year is from the trust fund to the commissioner of the Pollution Control Agency to protect common loons and wildlife through education and outreach about the dangers of lead fishing tackle and promoting lead-free tackle alternatives.

**(f) Water Science and Policy Fellowships for Minnesota**

\$407,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for

the Minnesota Sea Grant College Program in Duluth to create a fellowship program to train Minnesota's workforce in water resource science and policy.

**(g) Mentoring Next Generation of Conservation Professionals - Phase 2**

\$793,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Minnesota Valley National Wildlife Refuge Trust, Inc. to provide paid internships and apprenticeships for diverse young people to learn about careers in the conservation field from United States Fish and Wildlife Service professionals while working at the Minnesota Valley National Wildlife Refuge and Wetland Management District.

**(h) Restoring Land, Reviving Heritage: Indigenous Conservation - Phase 2**

\$688,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Belwin Conservancy, in partnership with Anishinabe Academy and other urban Indigenous-based schools and youth programs, to continue to conduct native-led environmental education programming that incorporates ecology and Indigenous land traditions. This appropriation is also to restore and enhance habitat on permanently protected Belwin Conservancy lands using modern scientific standards and traditional ecological knowledge.

**(i) Unlocking Minnesota Wilderness for Youth**

\$705,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with YMCA of the North to engage underserved youth in hands-on environmental education by expanding Unlock It!, a self-guided, interactive, and nature-based scavenger hunt, to open spaces and campuses across the state.

**(j) Outdoor Pathways to Environmental Education, Recreation, and Careers**

\$1,500,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Wilderness Inquiry to promote equity in access

to outdoor activities, places, and careers by providing Minnesotans with a continuum of outdoor experiences from the backyard to the backcountry, implementing environmental education curriculum for youth, and delivering professional development workshops for educators.

**(k) Increasing Access to Environmental Education Youth Camps**

\$163,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Osprey Wilds Environmental Learning Center to provide hands-on environmental education learning opportunities to underserved children through scholarships and transportation to Osprey Wilds' day-use and residential summer camps.

**(l) Launching Environmental Education at Shepard Farm**

\$639,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Dodge Nature Center to build partnerships with South Washington County Schools and provide standards-aligned, outdoor experiences and hands-on learning at Shepard Farm for Minnesota K-6 youth to increase their environmental skills and knowledge.

**(m) YES! Students Step Up to Reduce Carbon Footprint**

\$199,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Prairie Woods Environmental Learning Center to empower Minnesota youth to reduce their carbon footprints through education from local experts and completion of student-driven and community-based team projects.

**(n) The Boundary Waters Is Our Backyard**

\$500,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Friends of the Boundary Waters Wilderness to connect students from northeastern Minnesota to the Boundary Waters Canoe Area Wilderness through grade-wide day trips and overnight wilderness experiences.

**(o) Season Watch: Cultivating Young Naturalists with Phenology Education**

\$180,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Northern Community Radio, Inc. to continue to build the next generation of Minnesota conservationists by delivering engaging environmental programming to northern Minnesota through radio and podcasts, hosting phenology training and interactive nature events for K-12 students, and expanding KAXE coverage of environmental topics to a digital audience.

**(p) Rural Minnesota Mobile Lab: Environment-Focused Earth Science Education**

\$459,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota, Crookston, to create a mobile lab and deliver innovative standards-based environmental education to students and educators at underserved, underrepresented schools and at community events in northwest Minnesota.

**(q) Increasing Accessibility of Environmental Education at Deep Portage**

\$228,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Deep Portage Learning Center to enhance the accessibility of environmental education and outdoor recreation at Deep Portage Learning Center through projects that provide opportunities and support independence for physically disabled students visiting the campus.

**(r) College-School Collaboration to Promote Environmental Career Paths**

\$174,000 the second year is from the trust fund to the Board of Trustees of the Minnesota State Colleges and Universities for Minnesota State University, Mankato, to build partnerships among natural resource professionals, colleges, and schools in southern Minnesota to expose youth to outdoor experiences, environmental issues, and natural resource career paths through internships, field trips, and environmental projects.

**(s) Water Quality and Robots: Experientially Educating Minnesotan Youth**

\$353,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to provide opportunities for middle school youth to develop skills for measuring water quality using robotic water-quality sensing kits and communicating results through group study and hands-on projects.

**(t) Expanding Youth and Family Fishing Opportunities**

\$1,162,000 the second year is from the trust fund to the commissioner of natural resources to expand fishing opportunities in urban areas, teach more youth and families how to fish, and inventory and inform the public about safe and legal shore-fishing sites throughout Minnesota.

**(u) Youth Conservation Empowerment Project**

\$70,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota, Extension Center for Youth Development, to partner with Winona and Rochester alternative learning centers to connect, engage, and empower youth from underserved, culturally diverse, and low-income communities in year-long activities focused on nature, outdoors skills, and environmental service-learning.

**(v) North Minneapolis Nature Connection: Storytelling and Leadership Pathways**

\$697,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with The Loppet Foundation to promote urban nature connections for North Minneapolis residents through storytelling, nature and environmental justice programs, and environmental leadership pathways for high schoolers and young adults.

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

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8,304,000**(a) Minnesota Invasive Terrestrial Plants and Pests Center - Phase 7**

\$7,000,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota,

Minnesota Invasive Terrestrial Plants and Pests Center, for 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, and is available until June 30, 2030, by which time the project must be completed and final products delivered.

**(b) Mitigating the Spread of Invasive Jumping Worms**

\$470,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to develop integrated pest management strategies to mitigate the threat that invasive jumping worms pose to soil organic matter and seedlings in Minnesota forests.

**(c) Implementing Innovative Techniques to Manage Low-Density Invasive Carp**

\$634,000 the second year is from the trust fund to the commissioner of natural resources to implement new and innovative methods and to enhance ongoing efforts to detect, monitor, and remove invasive carp and to evaluate watershed boundaries for potential breaches to avoid invasive carp establishment in Minnesota.

**(d) Early Detection of Invasive Viruses in Native Pollinators**

\$200,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to create a baseline inventory of the quantity and diversity of viruses in, and determine the threat of these viruses to, Minnesota native bees.

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

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4,833,000

**(a) Minimizing Minnesota's Landfill Problem by Expanding Waste Diversion**

\$2,318,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Better Futures Minnesota to establish a statewide network for sourcing reclaimed building materials; create a tool for cities, counties, and businesses to report environmental impacts of waste diversion; and

divert waste from landfills through collections, deconstructing buildings, and converting waste into finished goods. Net income generated by Better Futures Minnesota as part of this appropriation may be reinvested in the project if a plan for reinvestment is approved in the work plan.

**(b) Building Resilient Urban Forests for Climate Change**

\$752,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Great River Greening to partner with municipalities and school districts to create gravel-bed nurseries, conduct tree assessments and mapping, and plant climate-resilient tree species on public lands in St. Cloud, Mankato, and the Twin Cities region. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(c) Improving Agricultural Ecosystems through Autonomous Weed Control**

\$978,000 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 at Morris to develop green hydrogen- and solar-powered autonomous mowers to remove weeds in row crop fields and improve agricultural ecosystems through reduction of herbicide and fossil fuel use. This appropriation is subject to Minnesota Statutes, section 116P.10.

**(d) Advanced Biofilter for N<sub>2</sub>O Removal**

\$325,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to develop innovative and low-cost biofilters to decrease the concentration of nitrous oxide (N<sub>2</sub>O) from various point sources. This appropriation is subject to Minnesota Statutes, section 116P.10.

**(e) Managing Future Floods and Droughts in Minnesota**

\$460,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to leverage new statewide climate data to assess future change in the duration, frequency, and magnitude of



heavy precipitation and drought events and engage communities to prepare for these extremes.

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

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10,910,000

**(a) Long-Term Preservation of Minnesota's Ball Cactus Population**

\$100,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota for the Minnesota Landscape Arboretum to protect Minnesota's only population of ball cactus by supporting population expansion and establishment, monitoring transferred plants, and training long-term volunteer monitors. This appropriation is available until June 30, 2029, by which time the project must be completed and final products delivered.

**(b) Morrison County Historical Society Streambank Stabilization and Restoration**

\$519,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Morrison Soil and Water Conservation District to stabilize and restore land along the Mississippi River owned by the Morrison County Historical Society within the statutory boundaries of Charles A. Lindbergh State Park to improve water quality and improve aquatic and terrestrial habit. For purposes of this appropriation, subdivision 13, paragraph (e), does not apply. The commissioner of natural resources may make reasonable amounts of this appropriation available on an advance basis to accommodate the Morrison Soil and Water Conservation District's cash-flow needs if a plan for the advances is approved as part of the work plan.

**(c) Can Increased Tree Diversity Increase Community Diversity?**

\$415,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to evaluate impacts of increasing tree diversity on wildlife, plant and fungal communities, and carbon storage within aspen forests in northern Minnesota to develop best management practices for mixed woodland systems.

**(d) Restoration of Riverside Park**

\$141,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Long Prairie to improve water retention, increase native habitat, and enhance footpaths for recreation at Riverside Park in Todd County, Minnesota. The project must create a net increase in habitat, and this appropriation may not be used to meet the conditions of any permits received for the project.

**(e) Pollinator Central IV: Habitat Improvement with Public Engagement**

\$698,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Great River Greening to partner with municipalities, educational organizations, and volunteers to create and enhance pollinator habitat along public corridors from Lakeville to St. Cloud and to engage youth and the public through education and monitoring the impact of habitat improvements. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(f) Conservation Grazing for Birds, Beef, and Better Soil**

\$342,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the National Audubon Society, Minnesota office, to assess Audubon Conservation Ranching as a strategic approach to improve grassland biodiversity, soils, and ecosystem resilience. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(g) Minnesota Microbes for Enhanced Biodegradation of Microplastics**

\$524,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to investigate the potential of natural and indigenous microbes to biodegrade conventional plastics in contaminated soils and waters across the state. This appropriation is subject to Minnesota Statutes, section 116P.10.

**(h) Completing the Mississippi River Greenway: Dakota County**

\$657,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Dakota County to restore and enhance habitat on public lands, establish linear native plantings, and install electric-vehicle charging stations within and along the 27-mile Mississippi River Greenway in Dakota County. Net income generated as part of this appropriation may be reinvested in the project if a plan for reinvestment is approved in the work plan. This appropriation is subject to Minnesota Statutes, section 116P.10, and is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(i) Enabling Nature to Destroy Environmental PFAS Contaminants**

\$378,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to identify enzymes and microbes that can break down soil-based per- and polyfluoroalkyl substances (PFAS) into nontoxic elements. This appropriation is subject to Minnesota Statutes, section 116P.10.

**(j) Bioacoustics for Species Monitoring and Conservation - Phase 2**

\$568,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to assess avian diversity at the statewide scale by developing a citizen science bioacoustics monitoring program with an initial focus on private lands.

**(k) Preventing PFAS and Microplastics Contaminants Across Minnesota**

\$656,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to help stop the flow of per- and polyfluoroalkyl substances (PFAS) and microplastics contaminants into Minnesota's environment by developing strategies and technologies to manage solid waste streams on site. This appropriation is subject to Minnesota Statutes, section 116P.10.

**(l) Shingle Creek Aquatic and Shoreline Habitat Enhancement**

\$1,100,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Minneapolis Park and Recreation Board to plan and restore a section of Shingle Creek in north Minneapolis with native aquatic and shoreline vegetation, channel and bank modification, and natural stream features. This appropriation is also to monitor plant and animal health following construction to ensure that the ecological functioning of the creek corridor is restored. This appropriation is available until June 30, 2030, by which time the project must be completed and final products delivered.

**(m) LiDAR Technology to Help Prevent Wildlife Fatalities from Wind Turbines**

\$525,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to create a low-cost and advanced LiDAR system to detect bats and birds approaching wind turbines that may be used in concert with deterrence or impact avoidance methods to prevent collisions. This appropriation is subject to Minnesota Statutes, section 116P.10.

**(n) Road Salt Pollution of Surface Waters from Groundwater**

\$622,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to inform source-reduction efforts by developing a model to identify hot spots where road-salt-contaminated groundwater leads to chloride pollution of surface waters.

**(o) Growing the Minnesota Bison Conservation Herd**

\$1,775,000 the second year is from the trust fund to the commissioner of natural resources to reintroduce bison to Camden State Park as part of a statewide effort to preserve the American Plains bison genome. Reintroduction includes the design, construction, and installation of fencing, a handling facility, signage, exhibits, and other site improvements. This appropriation is available until June 30, 2030, by which

time the project must be completed and final products delivered.

**(p) Priority Lakes: Meeting Protection Goals and Multiplying Benefits**

\$1,890,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Hubbard County Soil and Water Conservation District, in cooperation with Minnesota Land Trust, to protect habitat, forest health, and water quality in the best fishing lakes by creating lake implementation action plans, conducting community-based habitat restorations and improvements, and protecting forest lands with conservation easements and Sustainable Forest Incentive Act (SFIA) enrollments within prioritized areas of the upper Mississippi River basin in Hubbard County. Of this amount, up to \$168,000 is for deposit in a monitoring fund to be used by Minnesota Land Trust as approved in the work plan and subject to Minnesota Statutes, section 116P.20.

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

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20,322,000

**(a) Minnesota Driftless Hiking Trail**

\$426,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Minnesota Driftless Hiking Trail to plan, design a route for, secure access for, develop community support for, and begin construction of a backpacking-focused trail across southeast Minnesota's Driftless Area. Construction of trails with this appropriation must occur on public or permanently protected lands or lands secured through long-term agreements as defined in the approved work plan. A trail plan must be complete before money is used for trail construction. Before this appropriation is spent, a fiscal agent for Minnesota Driftless Hiking Trail must be approved in the work plan.

**(b) Local Parks, Trails, and Natural Areas Grant Programs**

\$4,791,000 the second year is from the trust fund to the commissioner of natural resources to solicit and rank applications 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, or playgrounds.

**(c) Acquisition of State Park Inholdings**

\$1,886,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Parks & Trails Council of Minnesota to complete efficient, time-sensitive acquisitions of high-priority state park inholdings from willing sellers, deconstruct buildings and reuse building materials, and convey properties to the state to protect and enhance Minnesota's environment and public recreation opportunities. This appropriation may not be used to purchase habitable residential structures.

**(d) Scientific and Natural Area (SNA) Biodiversity Protection**

\$957,000 the second year is from the trust fund to the commissioner of natural resources to strategically acquire from willing sellers high-quality lands that meet criteria for scientific and natural areas under Minnesota Statutes, section 86A.05. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(e) Metropolitan Regional Parks System Land Acquisition - Phase 8**

\$3,000,000 the second year is from the trust fund to the Metropolitan Council to acquire land within the approved boundaries of the metropolitan regional park system. This appropriation must be matched by an equal amount from a combination of Metropolitan Council and local agency money. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(f) Zumbro River Regional Water Trail**

\$170,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Oronoco to complete a master plan for the Zumbro River Regional Water Trail that considers

existing amenities, connections from towns to natural features, and improved user experience. This appropriation may also be used to create a joint powers board among the four counties and multiple jurisdictions connected to the Zumbro River to guide the master plan development.

**(g) Spring Lake Park Reserve Restoration and River Access**

\$2,925,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Dakota County to create a nonmotorized boat launch; complete a cultural resource management plan; construct hiking trails; and restore prairie, woodland, and savanna along the Mississippi River in Spring Lake Park Reserve. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(h) Minnesota State Trails Development**

\$5,036,000 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. The high-priority trail bridges to be rehabilitated or replaced under this appropriation include but are not limited to those on the Arrowhead, Great River Ridge, C.J. Ramstad-Northshore, Harmony-Preston Valley, Shooting Star, and Minnesota Valley State Trails and the Pengilly-Alborn Railroad Trail. High-priority trail segments to develop and enhance include but are not limited to the Brown's Creek, Gitchi Gami, Minnesota Valley, Root River, and Cuyuna Lakes State Trails. This appropriation is available until June 30, 2028, by which time the project must be completed and final products delivered.

**(i) Birch Lake Marina Design**

\$197,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Babbitt to design a new marina at the Birch Lake Recreation Area in Babbitt, Minnesota.

**(j) Dent and Vergas Spur Trails**

\$934,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Otter Tail County to construct a trail along County State-Aid Highway 35 to connect the cities of Dent and Vergas to the Heart of the Lakes Regional Trail and Maplewood State Park to provide recreation and nonmotorized transportation opportunities.

**Subd. 10. Administration, Emerging Issues, and Contract Agreement Reimbursement**

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2,096,000

**(a) LCCMR Budget Supplement**

\$750,000 the second year is from the trust fund to the Legislative-Citizen Commission on Minnesota Resources for administration in accordance with Minnesota Statutes, section 116P.09, subdivision 5. This appropriation is available until June 30, 2025. Notwithstanding Minnesota Statutes, section 116P.11, paragraph (b), Minnesota Statutes, section 16A.281, applies to this appropriation.

**(b) Emerging Issues 2024**

\$1,071,000 the second year is from the trust fund to the Legislative-Citizen Commission on Minnesota Resources for an emerging issues account authorized in Minnesota Statutes, section 116P.08, subdivision 4, paragraph (d).

**(c) 2024 Contract Agreement Reimbursement**

\$275,000 the second year is from the trust fund to the commissioner of natural resources, at the direction of the Legislative-Citizen Commission on Minnesota Resources, for expenses incurred in preparing and administering contracts, including for the agreements specified in this section.

**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, 2024, and ending June 30, 2027, 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 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 guidelines 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 (m) 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 the easement in the easement document;

(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 20 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 a land acquisition, 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, 2024, 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, 2025:

(1) Laws 2019, First Special Session chapter 4, article 2, section 2, subdivision 9, paragraph (e), National Loon Center. The legislature does not plan to grant additional extensions for this appropriation;

(2) Laws 2019, First Special Session chapter 4, article 2, section 2, subdivision 10, paragraph (d), Grants Management System. Notwithstanding Minnesota Statutes, section 116P.11, paragraph (b), Minnesota Statutes, section 16A.281, applies to this appropriation;

(3) Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 3, paragraph (i), Bobcat and Fisher Habitat Use and Interactions;

(4) Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 3, paragraph (j), Healthy Prairies III: Restoring Minnesota's Prairie Plant Diversity;

(5) Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 3, paragraph (n), Tools for Supporting Healthy Ecosystems and Pollinators;

(6) Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 4, paragraph (b), Technology for Energy-Generating On-site Industrial Wastewater Treatment, as amended by Laws 2022, chapter 94, section 2, subdivision 20, paragraph (c);

(7) Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 9, paragraph (r), Ranier Safe Harbor and Transient Dock on Rainy Lake;

(8) Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 9, paragraph (s), Crane Lake Voyageurs National Park Campground and Visitor Center;

(9) Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 9, paragraph (t), Chippewa County Acquisition, Recreation, and Education;

(10) Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 10, Emerging Issues Account; Wastewater Renewable Energy Demonstration Grants;

(11) Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 3, paragraph (b), Protecting Minnesota's Beneficial Macroalgae: All Stoneworts Aren't Starry;

(12) Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 3, paragraph (c), County Groundwater Atlas;

(13) Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 3, paragraph (e), Minnesota Biological Survey;

(14) Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 3, paragraph (g), Geologic Atlases for Water Resource Management;

(15) Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 4, paragraph (d), Microgeographic Impact of Antibiotics Released from Identified Hotspots;

(16) Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 8, paragraph (a), Camp Ripley

Sentinel Landscape Forest Restoration and Enhancements;

(17) Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 9, paragraph (e), Metropolitan Regional Parks System Land Acquisition - Phase VII;

(18) Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 9, paragraph (h), Native Prairie Stewardship and Prairie Bank Easement Acquisition;

(19) Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 9, paragraph (j), SNA Acquisition, Restoration, Citizen-Science, and Outreach;

(20) Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 9, paragraph (n), Crane Lake Voyageurs National Park Visitor Center - Continuation;

(21) Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 9, paragraph (t), Highbanks Ravine Bat Hibernaculum Project; and

(22) Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 9, paragraph (u), State Parks and State Trails Inholdings.

(b) The availability of the appropriation for Laws 2022, chapter 94, section 2, subdivision 10, paragraph (k), Developing Markets for Continuous Living Cover Crops, is extended to June 30, 2026.

(c) The availability of the appropriations for the following projects is extended to June 30, 2027:

(1) Laws 2021, First Special Session chapter 6, article 5, section 2, subdivision 9, paragraph (l), Upper St. Anthony Falls Enhancements. The legislature does not plan to grant additional extensions for this appropriation; and

(2) Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 7, paragraph (b), Storing Renewable Energy in Flow Battery for Grid Use. The legislature does not plan to grant additional extensions for this appropriation.

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



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

<b>Subd. 9. Land Acquisition, Habitat, and Recreation</b>	-0-	26,351,000	-0-
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**(a) Minnesota Scientific and Natural Areas**

\$3,500,000 the first year is from the trust fund to the commissioner of natural resources for the scientific and natural areas (SNA) program to restore and enhance wildlife habitat on SNAs, increase public involvement and outreach, and strategically acquire high-quality lands that meet criteria for SNAs under Minnesota Statutes, section 86A.05, from willing sellers. A list of proposed acquisitions and restorations is required in the work plan.

**(b) Grants for Local Parks, Trails, and Natural Areas**

\$3,000,000 the first 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. The appropriation is for local nature-based recreation, connections to regional and state natural areas, and recreation facilities and not for athletic facilities such as sport fields, courts, and playgrounds.

**(c) Minnesota State Parks and State Trails In-Holdings**

\$2,000,000 the first year is from the trust fund to the commissioner of natural resources to acquire high-priority in-holdings from willing sellers within the legislatively authorized boundaries of state parks and trails to protect Minnesota's natural heritage, enhance outdoor recreational opportunities, and improve the efficiency of public land management. Priorities include but are not limited to Minneopa, St. Croix, Frontenac, and Crow Wing State Parks. A list of proposed acquisitions is required in the work plan.

**(d) Minnesota State Trails Development**

\$5,000,000 the first year is from the trust fund to the commissioner of natural resources to expand high-priority recreational opportunities on Minnesota's state trails by developing new trail segments and

rehabilitating, improving, and enhancing existing state trails. High-priority trail bridges to rehabilitate or replace include, but are not limited to, those on the Arrowhead, Central Lakes, Harmony-Preston Valley, Matthew Lourey, and North Shore State Trails. High-priority trail segments to develop and enhance include, but are not limited to, the Paul Bunyan, Gateway, Heartland, Gitchi Gami, and Minnesota Valley State Trails. A proposed list of trail projects on legislatively authorized state trails is required in the work plan. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered.

**(e) National Loon Center**

\$4,000,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the National Loon Center Foundation, in partnership with a fiscal agent to be approved by the Legislative-Citizen Commission on Minnesota Resources, to construct an approximately 15,000-square-foot National Loon Center in Cross Lake dedicated to loon survival, loon habitat protection and research, and recreation. Of this amount, up to \$1,449,000 is for planning, design, and construction of approximately six outdoor demonstration learning kiosks, interpretive trails, boardwalks and boat docks, a fishing dock, and native landscaping along approximately 3,100 feet of shoreline. Any remaining funds are for planning, engineering, and constructing the building and indoor exhibits. The building may only be constructed on land restricted for use as a National Loon Center for at least 25 years following construction completion. Additionally, the trust fund procedures for title, environmental, archeological, and survey due diligence must be used for the acquisition of land on which the building will be constructed. A land lease commitment of at least 25 years and fiscal sponsorship must be secured before any trust fund money is spent. This project requires a match of at least \$6,000,000. At least \$2,000,000 of this match must come from nonstate sources. If naming rights will be conveyed, the National Loon Center Foundation must include a plan for this in the work plan. All matching funds must be legally committed before any trust fund money may be spent on planning activities for or construction of the building and indoor exhibits.

Net income generated from admissions, naming rights, and memberships to the National Loon Center as a result of trust fund contributions may be reinvested in the center's long-term loon conservation efforts as described in the work plan approved by the Legislative-Citizen Commission on Minnesota Resources according to Minnesota Statutes, section 116P.10. Notwithstanding any other effective date stated in law, Minnesota Statutes, sections 116P.15, subdivision 3; 116P.16; and 116P.21, subdivision 1, apply to this appropriation.

**(f) Accessible Fishing Piers**

\$320,000 the first year is from the trust fund to the commissioner of natural resources to provide accessible fishing piers in locations that have a high potential to serve new angling communities, underserved populations, and anglers with physical disabilities. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered.

**(g) Mesabi Trail Extensions**

\$3,000,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the St. Louis and Lake Counties Regional Railroad Authority for environmental assessment, permitting, right-of-way easements or other acquisition as needed, and engineering for and construction of four trail segments beginning and ending at the following approximate locations: Darwin Meyers Wildlife Management Area to County Road 21, Embarrass to Kugler, County Road 128 to the Eagles Nest Town Hall, and Wolf Creek to the Highway 169 underpass.

**(h) Birch Lake Recreation Area Campground**

\$350,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Babbitt to expand Birch Lake Recreation Area by adding a new campground for recreational vehicles and tent campers. This project requires a match of at least \$2,800,000 that must be secured before trust fund money is spent. At least \$800,000 of this match must come from the city of

Babbitt. Net income generated from admissions to the campground created as a result of trust fund contributions may be reinvested into the campground's long-term operations as described in the work plan approved by the Legislative-Citizen Commission on Minnesota Resources according to Minnesota Statutes, section 116P.10.

**(i) Britton Peak to Lutsen Mountain Bike Trail**

\$350,000 the first year are from the trust fund to the commissioner of natural resources for an agreement with the Superior Cycling Association to create a sustainably designed single-track mountain bike trail connecting trail clusters and trailheads between Britton Peak in Tofte and Lutsen Mountains as part of northeast Minnesota's effort to become a national recreation destination. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered.

**(j) Preserving Avon Hills with Reverse-Bidding Easements**

\$1,600,000 the first 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 restore and enhance protected lands, provide public outreach, and prepare management plans for and use a reverse-bid ranking system to secure permanent conservation easements on high-quality natural habitat in the Avon Hills area of Stearns County. Of this amount, up to \$168,000 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, 2024, by which time the project must be completed and final products delivered.

**(k) Bailey Lake Trail and Fishing Pier**

\$550,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Virginia to reconstruct the existing

Bailey Lake Trail and construct a new fishing pier on Bailey Lake that is accessible from the trail.

**(l) Vergas Long Lake Trail**

\$290,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Vergas to construct a bicycle and pedestrian bridge, trail, and floating boardwalk along Long Lake including shoreline restoration and stabilization with native plants. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered.

**(m) Glacial Edge Trail and Downtown Pedestrian Bridge**

\$600,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Fergus Falls to acquire easements for and construct a trail along the Otter Tail River in downtown Fergus Falls and a bicycle and pedestrian bridge crossing the river. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered.

**(n) Crane Lake to Vermilion Falls Trail**

\$400,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with St. Louis County in cooperation with Voyageur Country ATV Club to designate and improve a wooded trail from Crane Lake to Vermilion Falls to accommodate all-terrain vehicle and snowmobile users. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered.

**(o) Restoring Five Sections of Superior Hiking Trail**

\$191,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Superior Hiking Trail Association to restore and repair the most damaged parts of five sections of the Superior Hiking Trail and restore an abandoned route to a natural footpath for hikers.

**(p) Rainy Lake Recreational Access and Boat Wash Station**

\$200,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Ranier to enhance and increase public access to Rainy Lake by constructing an Americans with Disabilities Act (ADA)-compliant recreational parking lot, an ADA-compliant public restroom, and an aquatic invasive species boat wash station.

**(q) Historic Bruce Mine Park and Mesabi Trailhead**

\$1,000,000 the first year is from the trust fund to the commissioner of natural resources for a grant to the St. Louis and Lake Counties Regional Railroad Authority to engineer, design, renovate, and construct the Historic Bruce Mine Park and Mesabi Trailhead and access in the city of Chisholm. This appropriation is available until June 30, 2023, by which time the project must be completed and final products delivered.

**EFFECTIVE DATE.** This section is effective retroactively from July 1, 2019.

Sec. 4. Laws 2021, First Special Session chapter 6, article 6, section 2, subdivision 9, is amended to read:

Subd. 9. <b>Land Acquisition, Habitat, and Recreation</b>	32,062,000	-0-
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**(a) Perham to Pelican Rapids Regional Trail (McDonald Segment)**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

\$467,000 the first year is from the trust fund to the commissioner of natural resources for an agreement



with the Shell Rock River Watershed District to acquire and restore to wetland a key parcel of land to reduce downstream flooding while providing water storage, groundwater recharge, nutrient reduction, and pollinator and wildlife habitat.

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

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

**(m) Veterans on the Lake**

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

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

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

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

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

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

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

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

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

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

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

**(s) Minnesota State Trails Development**

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

Minnesota is defined as the area of the state south of and including St. Cloud.

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

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

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

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

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

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

**EFFECTIVE DATE.** This section is effective retroactively from July 1, 2021.

Sec. 5. Laws 2022, chapter 94, section 2, subdivision 9, as amended by Laws 2023, chapter 60, article 2, section 15, is amended to read:

Subd. 9. <b>Habitat and Recreation</b>	-0-	26,179,000
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**(a) Mesabi Trail: Wahlsten Road (CR 26) toward Tower**

\$1,307,000 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 easements, 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 toward Tower.

**(b) 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.

**(c) 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.

**(d) St. Louis River Re-Connect**

\$500,000 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.

**(e) 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.

**(f) Minnesota State Parks and State Trails Maintenance and Development**

\$1,600,000 the second year is from the trust fund to the commissioner of natural resources for maintenance and development at state parks, recreation areas, and trails to protect Minnesota's natural heritage, enhance outdoor recreation, and improve the efficiency of public land management.

**(g) 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.

**(h) SNA Habitat Restoration and Public Engagement**

\$5,000,000 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 and increase public involvement and outreach.

**(i) The Missing Link: Gull Lake Trail, Fairview Township**

\$1,394,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Fairview Township to complete the Gull Lake Trail by engineering and constructing the trail's final segment through Fairview Township in the Brainerd Lakes area.

**(j) Silver Bay Multimodal Trailhead Project**

\$1,000,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Silver Bay to develop a multimodal trailhead center to provide safe access to the Superior, Gitchi-Gami, and C.J. Ramstad/North Shore trails; Black Beach Park; and other recreational destinations.

Net income generated as part of this appropriation may be reinvested in the project if a plan for reinvestment is approved in the work plan.

**(k) Brookston Campground, Boat Launch, and Outdoor Recreational Facility**

\$453,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Brookston to build a campground, boat launch, and outdoor recreation area on the banks of the St. Louis River in northeastern Minnesota. Before any trust fund dollars are spent, the city must demonstrate that all funds to complete the project are secured and a fiscal agent must be approved in the work plan.

**(l) Silver Lake Trail Connection**

\$727,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Virginia to design, engineer, and construct a multiuse trail that will connect Silver Lake Trail to a new Miners Entertainment and Convention Center and provide lighting on Bailey Lake Trail.

**(m) Floodwood Campground Improvement Project**

\$816,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Floodwood to upgrade the Floodwood Campground and connecting trails to provide high-quality nature and recreation experience for people of all ages. Net income generated as part of this appropriation may be reinvested in the project if a plan for reinvestment is approved in the work plan.

**(n) Ranier Safe Harbor/Transient Dock - Phase 2**

\$1,000,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Ranier to construct a safe harbor and transient dock to accommodate watercraft of many sizes to improve public access for boat recreation on Rainy Lake. Before trust fund dollars are spent, a fiscal agent must be approved in the work plan. Before any trust fund dollars are spent, the city must demonstrate that all funds to complete the project are secured. Any

revenue generated from selling products or assets developed or acquired with this appropriation must be repaid to the trust fund unless a plan is approved for reinvestment of income in the project as provided under Minnesota Statutes, section 116P.10.

**EFFECTIVE DATE.** This section is effective retroactively from July 1, 2022.

Sec. 6. Laws 2022, chapter 94, section 2, subdivision 10, is amended to read:

Subd. 10. <b>Other Projects</b>	-0-	6,973,000
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**(a) Aggregate Resource Mapping**

\$500,000 the second year is from the trust fund to the commissioner of natural resources for continued mapping of the aggregate resource potential in the state of Minnesota and to make the information available in print and electronic format to local units of government for use in planning and zoning.

**(b) Leaded Gasoline Contamination Analysis**

\$200,000 the second year is from the trust fund to the commissioner of administration for a grant to the city of Paynesville to procure an analysis of the extent of leaded gasoline contamination in or near the cities of Paynesville, Foley, Alexandria, and Blaine, and of the threat posed by the contamination to each city's drinking water supply. The vendor selected to perform the analysis must use the same methodology to conduct the analysis for each city and must produce findings that are comparable between cities. The cities must work cooperatively to select a vendor. By January 15, 2024, the city administrator of the city of Paynesville must report the results of the analysis to the chairs and ranking minority members of the house of representatives and senate committees and divisions with jurisdiction over environment and natural resources.

**(c) Living Snow Fence Program**

\$200,000 the second year is from the trust fund to the commissioner of transportation for contracts to build and improve living snow fences consisting of trees, shrubs, native grasses, and wildflowers. Money appropriated in this paragraph may only be used to

acquire and plant trees native to Minnesota. This appropriation is available until June 30, 2026.

**(d) Forest Data Inventory**

\$500,000 the second year is from the trust fund to the commissioner of natural resources for an enhanced forest inventory on county and private lands.

**(e) Conservation Reserve Program State Incentives**

\$750,000 the second year is from the trust fund to the Board of Water and Soil Resources to provide onetime state incentive payments to enrollees in the federal Conservation Reserve Program (CRP) during the continuous enrollment period and to enroll land in conservation easements consistent with Minnesota Statutes, section 103F.515. The board may establish payment rates based on land valuation and on environmental benefit criteria, including but not limited to surface water or groundwater pollution reduction, drinking water protection, soil health, pollinator and wildlife habitat, and other conservation enhancements. The board may use state funds to implement the program and to provide technical assistance to landowners or their agents to fulfill enrollment and contract provisions. The board must consult with the commissioners of agriculture, health, natural resources, and the Pollution Control Agency and the United States Department of Agriculture in establishing program criteria. This appropriation is available until June 30, 2026.

**(f) Groundwater Storage and Recovery Database**

\$400,000 the second year is from the trust fund to the commissioner of natural resources to complete a centralized aquifer property database to provide needed data for site characterization.

**(g) Rural and Farmstead Ring Levees**

\$360,000 the second year is from the trust fund to the commissioner of natural resources for grants to assist in constructing rural and farmstead ring levees for flood protection in the Red River watershed. A grant may not exceed 50 percent of the cost of the project.



**(h) Replacing Failing Septic Systems to Protect Groundwater**

\$2,000,000 the second year is from the trust fund to the commissioner of the Pollution Control Agency to counties for grants to low-income landowners to address septic systems that pose an imminent threat to public health or safety or fail to protect groundwater. The issuance of a loan under Minnesota Statutes, section 17.117, for the purpose of replacing a failed septic system, shall not preclude a rural landowner from obtaining a grant under this paragraph or vice versa. This appropriation is available until June 30, 2025.

**(i) Forever Green**

\$763,000 the second year is from the trust fund to the commissioner of agriculture for grants to the Board of Regents of the University of Minnesota to fund the Forever Green Agriculture Initiative and protect the state's natural resources while increasing the efficiency, profitability, and productivity of Minnesota farmers by incorporating perennial and winter-annual crops into existing agricultural practices.

**(j) Pig's Eye Landfill Task Force**

\$800,000 the second year is from the trust fund to the commissioner of the Pollution Control Agency to establish a Pig's Eye Landfill Task Force to coordinate efforts to remediate and restore the Pig's Eye Landfill Superfund site and address perfluoroalkyl and polyfluoroalkyl substances (PFAS) contamination of Battle Creek, Pig's Eye Lake, and nearby groundwater. The task force must be made up of at least the commissioner of the Pollution Control Agency, the commissioner of natural resources, the commissioner of health, a representative from the Metropolitan Council, a representative from the city of St. Paul, a representative from the city of South St. Paul, a representative from the city of Newport, a representative from Ramsey County, a representative from Dakota County, a representative from Washington County, and representatives from relevant federal agencies. The task force is subject to Minnesota Statutes, section 15.059, subdivision 6. The task force must submit an annual report to the chairs and ranking

minority members of the legislative committees and divisions with jurisdiction over the environment and natural resources on the status of the task force's work. The final report is due February 15, 2026. The task force expires June 30, 2026. This appropriation is available until June 30, 2026.

**(k) Developing Markets for Continuous Living Cover Crops**

\$500,000 the second year is from the trust fund to the commissioner of agriculture for grants to organizations in Minnesota to develop enterprises, supply chains, and markets for continuous living cover crops and cropping systems in the early stage of commercial development, including but not limited to regenerative poultry silvopasture systems, Kernza perennial grain, winter camelina, and elderberry. This appropriation is exempt from the income repayment requirements in Minnesota Statutes, section 116P.10, paragraph (c).

**EFFECTIVE DATE.** This section is effective retroactively from July 1, 2022.

Sec. 7. Laws 2023, chapter 60, article 2, section 2, subdivision 9, is amended to read:

Subd. 9. <b>Land Acquisition, Habitat, and Recreation</b>	31,241,000	-0-
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**(a) SNA Stewardship, Outreach, and Biodiversity Protection**

\$1,919,000 the first year is from the trust fund to the commissioner of natural resources to restore and enhance exceptional habitat on scientific and natural areas (SNAs), increase public involvement and outreach, and strategically acquire lands that meet criteria for SNAs under Minnesota Statutes, section 86A.05, from willing sellers. This appropriation is available until June 30, 2027, by which time the project must be completed and final products delivered.

**(b) Wannigan Regional Park Land Acquisition**

\$727,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Frazee to acquire land for protecting and enhancing natural resources and for future development as Wannigan Regional Park, where the Heartland State, North Country National, and Otter

Tail River Water Trails will meet. Initial site development or restoration work may be conducted with this appropriation.

**(c) Local Parks, Trails, and Natural Areas Grant Programs**

\$3,802,000 the first year is from the trust fund to the commissioner of natural resources to solicit and rank applications 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.

**(d) Outreach and Stewardship Through the Native Prairie Bank Program**

\$620,000 the first year is from the trust fund to the commissioner of natural resources to enhance and monitor lands enrolled in the native prairie bank and to provide outreach and technical assistance to landowners, practitioners, and the public to increase awareness and stewardship of the state's remaining native prairie. This appropriation is available until June 30, 2027, by which time the project must be completed and final products delivered.

**(e) Minnesota State Trails Development**

\$4,952,000 the first year is from the trust fund to the commissioner of natural resources to expand recreational opportunities on Minnesota state trails by rehabilitating and enhancing existing state trails and replacing or repairing existing state trail bridges.

**(f) Construction of East Park**

\$700,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of St. Joseph to increase recreational opportunities and access at East Park along the Sauk River in St. Joseph through enhancements such as a canoe and kayak access, a floating dock, paved and mowed trails, and parking entrance improvements.

**(g) Scandia Gateway Trail to William O'Brien State Park**

\$2,689,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Scandia to engineer and construct a segment of the Gateway State Trail between the city of Scandia and William O'Brien State Park that will be maintained by the Department of Natural Resources. The segment to be constructed includes a pedestrian tunnel and trailhead parking area. This project must be designed and constructed in accordance with Department of Natural Resources state trail standards. Engineering and construction plans must be approved by the commissioner of natural resources before construction may commence. This appropriation is available until June 30, 2027, by which time the project must be completed and final products delivered.

**(h) Grand Marais Mountain Bike Trail Rehabilitation - Phase II**

\$200,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Superior Cycling Association to rehabilitate and modify existing mountain bike trails at Pincushion Mountain to increase the trail's environmental sustainability and provide better access to beginner and adaptive cyclers.

**(i) Acquisition of State Parks and Trails Inholdings**

\$5,425,000 the first year is from the trust fund to the commissioner of natural resources to acquire high-priority inholdings from willing sellers within the legislatively authorized boundaries of state parks, recreation areas, and trails to protect Minnesota's natural heritage, enhance outdoor recreation, and improve the efficiency of public land management. This appropriation is available until June 30, 2027, by which time the project must be completed and final products delivered.

**(j) St. Louis River Re-Connect - Phase II**

\$1,375,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Duluth to increase recreational opportunities and access to the Waabizheshikana

hiking and water trails in West Duluth with trail and trailhead enhancements such as accessible canoe and kayak launches, picnic areas, and restrooms; restored habitat; stormwater improvements; directional signage, and trailside interpretation. This appropriation may also be used to partner with the St. Louis River Alliance to create an ambassadors program to engage the surrounding community and facilitate use of the trails.

**(k) City of Biwabik Recreation**

\$1,306,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Biwabik to reconstruct and renovate Biwabik Recreation Area's access road, parking area, and bathroom facilities.

**(l) Silver Bay Multimodal Trailhead Project**

\$1,970,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Silver Bay to develop a multimodal trailhead center to provide safe access to the Superior Hiking, Gitchi-Gami Bike, and C.J. Ramstad/North Shore trails; Black Beach Park; and other recreational destinations. Before any construction costs are incurred, the city must demonstrate that all funding to complete the project are secured. Net income generated as part of this appropriation may be reinvested in the project if a plan for reinvestment is approved in the work plan.

**(m) Above the Falls Regional Park Restoration Planning and Acquisition**

\$1,376,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Minneapolis Park and Recreation Board to acquire land along the Mississippi River from willing sellers for habitat restoration, trail development, and low-intensity recreational facilities in Above the Falls Regional Park. This appropriation may also be used to prepare restoration plans for lands acquired. This appropriation may not be used to purchase habitable residential structures. Before the acquisition, a phase 1 environmental assessment must be completed and the Minneapolis Park and Recreation Board must not

accept any liability for previous contamination of lands acquired with this appropriation.

**(n) Redhead Mountain Bike Park**

\$1,666,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the city of Chisholm as the fiscal agent for the Minnesota Discovery Center to enhance outdoor recreational opportunities by adding trails and amenities to the Redhead Mountain Bike Park in Chisholm. Amenities may include such things as pump tracks, skills courses, changing stations, shade shakes, and signage.

**(o) Maplewood State Park Trail Segment of the Perham to Pelican Rapids Regional Trail**

\$2,514,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Otter Tail County to partner with the Department of Natural Resources to construct the Maplewood State Park segment of the Perham to Pelican Rapids Regional Trail. This project must be designed and constructed in accordance with Department of Natural Resources state trail standards. Engineering and construction plans must be approved by the commissioner of natural resources before construction may commence.

**EFFECTIVE DATE.** This section is effective retroactively from July 1, 2023.

Presented to the governor April 12, 2024

Signed by the governor April 15, 2024, 9:52 a.m.