

**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>

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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

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03q	2023-222	Integrating Remotely Sensed Data with Traditional Forest Inventory	U of MN, Duluth - NRRI	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>	

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<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

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				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

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				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

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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.