

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

As of November 18, 2020, the Legislative-Citizen Commission on Minnesota Resources (LCCMR) has selected 88 projects totaling \$70,881,000 to recommend to the 2021 Minnesota Legislature for funding from the Environment and Natural Resources Trust Fund (ENRTF). In response to LCCMR's 2021 Request for Proposal (RFP), 329 proposals requesting a total of approximately \$240 million were received and considered through a competitive, multi-stage evaluation. The following recommendations range from funding the full proposal and dollar amount requested to partial funding for specific proposal elements.

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

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

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

Draft Work Plan Subd.	Original Proposal ENRTF ID	Title	Summary	Total ENRTF \$ FY2022	Organization	Project Manager
<b>Subd. 03 Foundational Natural Resource Data and Information \$10,459,000 14/87</b>						
03a	2021-032	What's "Bugging" Minnesota's Insect-Eating Birds?	Examine the relationship between insect abundance, timing of insect availability and breeding success for multiple bird species across land-use intensities to develop comprehensive guidelines to conserve bird and insect diversity.	\$199,000	U of MN, Duluth - NRRI	Alexis Grinde
03b	2021-055	Protecting Minnesota's Beneficial Macroalgae: All Stoneworts Aren't Starry	This statewide inventory will provide baseline data and build in-state knowledge on Minnesota's stoneworts, a diverse group of aquatic plants that are critical for clear lakes and healthy fish habitat.	\$811,000	MN DNR, Ecological and Water Resources Division	Donna Perleberg
03c	2021-071	County Groundwater Atlas	This project supports continuing development of the County Groundwater Atlases. The goal is to provide this valuable water and resource management "information infrastructure" to every county in Minnesota.	\$1,875,000	MN DNR, Ecological and Water Resources Division	Paul Putzier
03d	2021-087	Improving Resiliency And Conservation Outcomes For Minnesota Turtles	We will improve the conservation of Minnesota's imperiled turtles by leveraging our strengths in animal husbandry, field conservation, and educational programming to bolster populations and raise public awareness.	\$391,000	Minnesota Zoological Society	Tricia Markle
03e	2021-113	Minnesota Biological Survey: Setting A Future Course	Provide information on Minnesota's biodiversity by collecting and interpreting data and delivering results that support conservation actions by natural resource managers, decision-makers, and scientists.	\$1,500,000	MN DNR, Ecological and Water Resources Division	Bruce Carlson
03f	2021-118	2021 Groundwater Contamination Mapping Project	The project is a continuation of the efforts begun with the 2017 ENRTF-funded Groundwater Contamination Mapping Project. The 2017 ENRTF funded project will be completed June 30, 2020.	\$800,000	Minnesota Pollution Control Agency	Myrna Halbach
03g	2021-138	Geologic Atlases For Water Resource Management	Geologic atlases provide maps/databases essential for improved management of ground and surface water. This proposal will complete current projects and start new projects to equal about 10 complete atlases.	\$3,092,000	U of MN, MN Geological Survey	Barbara Lusardi
03h	2021-140	Redwood County Rim Easement Evaluation And Public Outreach	To inventory vegetation and evaluate wetland condition on permanent conservation easements, and conduct education and outreach regarding prairie and wetland habitats and their management.	\$197,000	Redwood Soil & Water Conservation District	Kristy Zajac
03i	2021-159	Collaborative State And Tribal Wild Rice Monitoring Program	Work with tribal partners in the conservation of wild rice waters, creating a collaborative monitoring program and developing remote sensing tools for statewide assessment of natural wild rice abundance.	\$644,000	MN DNR, Ecological and Water Resources Division	Josh Knopik
03j	2021-238	Morrison County Performance Drainage And Hydrology Management II	Complete the Morrison County culvert inventory started in 2016 to help solve landowner conflicts, protect wetlands, improve water quality, ensure road safety and design additional water storage throughout the county.	\$197,000	Morrison Soil and Water Conservation District	Shannon Wettstein
03k	2021-278	Preserving Minnesota's Wetlands: Our Resource For Future Medicine	Our Minnesota bogs are an essential resource. As we use microbes to biomonitor the health of these critical habitats, we could find the next antibacterial, antifungal, or antiviral medicinal product.	\$210,000	U of MN, Crookston	Brian Dingmann
03l	2021-289	A Biodiversity Checkup For Minnesota's Big Woods	Compare the historic and contemporary flora of Minnesota's Big Woods to see whether all species are able to survive on a small fraction of the original area	\$109,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Lee Frelich
03m	2021-321	Microbiome In Raptors: A New Tool For Conservation	We will evaluate the impact of microbial interventions during captivity on the raptor gut microbiome, both in terms of treatment efficacy during rehabilitation and subsequent environmental dissemination.	\$129,000	U of MN, Raptor Center	Julia Ponder
03n	2021-396	Bioacoustics For Broad-Scale Species Monitoring And Conservation	This study will use autonomous recording devices to determine the statewide distribution and reproduction of red-headed woodpeckers and develop a protocol to monitor population trends and responses to habitat management.	\$305,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Elena West
				<b>Subtotal</b>		
<b>Subd. 04 Water Resources \$4,771,000 10/87</b>						

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

Draft Work Plan Subd.	Original Proposal ENRTF ID	Title	Summary	Total ENRTF \$ FY2022	Organization	Project Manager
04a	2021-050	Trout Stream Habitat Restoration Success	Minnesota has spent millions on stream habitat improvement and restoration; we will evaluate effectiveness and durability of project designs. Results will inform success of future projects and improve cost effectiveness.	\$319,000	U of MN, Duluth - NRRI	Valerie Brady
04b	2021-115	Novel Nutrient Recovery Process From Wastewater Treatment Plants	This proposal requests funding for a new integrated process with potential to promote nutrient removal/recovery and renewable energy production at rural municipal and industrial wastewater treatment plants (WWTP).	\$200,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Bo Hu
04c	2021-121	Monitoring Emerging Viruses In Minnesota's Urban Water Cycles	This project will address the presence and fate of enveloped viruses (e.g. coronaviruses) and their survivability in aqueous environments with emphasis on wastewater and drinking water treatment processes.	\$416,000	U of MN, College of Biological Sciences	Sebastian Behrens
04d	2021-144	Microgeographic Impact Of Antibiotics Released From Identified Hotspots	We will evaluate the impact of antibiotics released from hotspots identified in our previous project to surface waters in Minnesota using field, laboratory, and modeling approaches to ultimately inform interventions.	\$508,000	U of MN, College of Veterinary Medicine	Randall Singer
04e	2021-266	Sustainable Irrigation Management: Expanding A Statewide Web Application	This project will promote responsible use of Minnesota's limited groundwater resources through the expansion of the existing Irrigation Management Assistance tool into a statewide, mobile-compatible web app.	\$1,139,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Bryan Runck
04f	2021-358	Assessing Membrane Bioreactor Wastewater Treatment Efficacy	A comprehensive assessment of membrane bioreactor efficacy will provide the best options and information to the wastewater treatment plant and natural resource managers to update or replace aging wastewater infrastructure.	\$419,000	Minnesota State Colleges and Universities, St. Cloud State University	Heiko Schoenfuss
04g	2021-364	Evaluating Coronavirus And Other Microbiological Contamination Of Drinking Water Sources From Wastewater	With detection of coronavirus in human feces, there are urgent concerns about microbiological contamination of drinking water sources by wastewater. We will investigate this contamination, identify sources, and evaluate solutions.	\$594,000	U of MN, College of Science and Engineering	Timothy LaPara
04h	2021-376	St. James Pit Water Level Control	The St. James Pit Rising Water Levels Study, Mitigation, and Diversion Plan	\$259,000	City of Aurora	Becky Lammi
04i	2021-384	Long-Term Nitrate Mitigation By Maintaining Profitable Kernza Production	Long-term nitrate mitigation by maintaining profitable Kernza production will evaluate the effectiveness of aging Kernza stands on water quality. Continue to develop a sustainable supply chain, focusing on post-harvest processing.	\$485,000	Stearns County Soil and Water Conservation District	Dennis Fuchs
04j	2021-390	Antibiotic Resistance And Wastewater Treatment: Problems And Solutions	This project will quantify the ability of full-scale wastewater treatment plants to eliminate antibiotic resistance genes and the extent to which these genes are exchanged during the wastewater treatment process.	\$432,000	University of St. Thomas	Justin Donato
<b>Subtotal</b>				<b>\$4,771,000</b>		
<b>Subd. 05 Environmental Education \$2,687,000 7/87</b>						
05a	2021-042	Increasing Outdoor Learning For Young Minnesotans	Wolf Ridge seeks scholarships for equitable access to authentic, hands on learning experiences in the outdoors that supports our Minnesota schools and achievement of the ENRTF strategic plan priority goals.	\$383,000	Wolf Ridge Environmental Learning Center	Peter Smerud
05b	2021-131	Pollinator Education In The Science Classroom	Pollinator Education in the Science Classroom will provide professional development for 60 science teachers to use pollinator education curriculum and outreach materials, ultimately reaching >8000 students annually.	\$366,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Elaine Evans
05c	2021-132	Minnesota Freshwater Quest: Environmental Education For 20000 Youth	20,000 diverse and underserved Minnesota youth (grades 6-12) participate in place-based, STEM environmental education to explore and preserve local ecosystems and waterways through the Minnesota Freshwater Quest online program.	\$699,000	Wilderness Inquiry	Julie Edmiston

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

Draft Work Plan Subd.	Original Proposal ENRTF ID	Title	Summary	Total ENRTF \$ FY2022	Organization	Project Manager
05d	2021-175	Minnesota Master Naturalist: Nature For New Minnesotans	Nature for New Minnesotans will introduce English language learners to Minnesota's great outdoors using materials from Minnesota Master Naturalist and implemented in partnership with English learning programs that serve immigrants.	\$293,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Robert Blair
05e	2021-186	The Voyageurs Classroom Initiative	The Voyageurs Classroom will connect 6,000 Minnesota youth to Voyageurs National Park over three years to learn about its waters, wildlife, forests and skies, and engage in its preservation.	\$348,000	Voyageurs National Park Association	Christina Hausman Rhode
05f	2021-320	Restoring Land, Reviving Heritage: Conservation Through Indigenous Culture	By linking natural resource management, cultural heritage, and environmental education, we aim to restore an ecologically significant area of land while fostering multi-generational environmental stewardship and restoration of Indigenous culture.	\$420,000	Belwin Conservancy	Katie Bloome
05g	2021-323	Expanding Access To Environmental Education For Underserved Communities	The Raptor Center is proposing to build environmental literacy and engagement by bringing an integrated environmental education program featuring live raptors and standards-based curriculum to underserved communities throughout Minnesota.	\$178,000	U of MN, Raptor Center	Julia Ponder
<b>Subtotal</b>				<b>\$2,687,000</b>		
<b>Subd. 06 Aquatic and Terrestrial Invasive Species \$6,148,000 7/87</b>						
06a	2021-017	Starch Allocation Patterns Of Starry Stonewort (Nitellopsis Obtusa) Harvested From Lake Koronis, MN	Starry stonewort is a macro-algae that has invaded Minnesota lakes, though nothing is known about its starch allocation. These data can identify weak points in allocation strategy to enhance management.	\$101,000	Minnesota State Colleges and Universities, Minnesota State University Mankato	Ryan Wersal
06b	2021-091	Long-Term Efficacy Of Invasive Removal In Floodplain Forests	This long-term scientific study will provide new, much-needed information for land managers focused on protecting Minnesota's invaluable floodplain forests from threats posed by overabundant deer, invasive shrubs and earthworms.	\$25,000	Macalester College	Mike Anderson
06c	2021-162	Oak Wilt Suppression At The Northern Edge II	Suppress oak wilt at the leading edge to prevent infestation in private and public forests to the north and west including Pillsbury State Forest and Camp Ripley.	\$423,000	Morrison Soil and Water Conservation District	Shannon Wettstein
06d	2021-164	Biocontrol Of Bee Lawns And Parklands	The proposed research and outreach program is to establish a biocontrol program to manage the invasive, exotic Japanese beetle, which will reduce insecticide use in bee lawns and restorations.	\$425,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Vera Krischik
06e	2021-188	Building Knowledge And Capacity For AIS Solutions	MAISRC will launch 16-20 high-priority projects aimed at solving Minnesota's AIS problems using a rigorous and collaborative process. The science will be delivered to end-users through strategic communication and outreach.	\$3,750,000	U of MN, MAISRC	Nicholas Phelps
06f	2021-217	Evaluating Minnesotas Last Best Chance To Stop Carp	Invasive carp have breached Minnesota's southern border. The last place they can be stopped is Lock&Dam 5 but time is of the essence. This proposal enables this solution.	\$424,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Peter Sorensen
06g	2021-313	Stop Starry Invasion - Community Invasive Species Containment	MLR will contain starry stonewort (Nitellopsis obtusa) in the 15 lakes where it currently exists using civic organizing, waterless boat cleaning stations, and social messaging enhancements at these lakes.	\$1,000,000	Minnesota Lakes and Rivers Advocates	Jeff Forester
<b>Subtotal</b>				<b>\$6,148,000</b>		
<b>Subd. 07 Air Quality, Climate Change, and Renewable Energy \$6,205,000 6/87</b>						
07a	2021-010	Enhanced Thermo-Active Foundations For Space Heating In Minnesota	This project primarily involves the design and optimization of cost-competitive, thermally enhanced and compact heat exchanger systems for deep thermo-active building foundations for Minnesota's space heating and cooling industry	\$312,000	U of MN, Duluth	Aggrey Mwesigye
07b	2021-169	Storing Renewable Energy In Flow-Battery For Grid Use	Our project team will implement a rural, community-scale project, which demonstrates how a large flow-battery connected to solar and wind generation improves grid stability -- and enhances usage of renewables.	\$2,408,000	U of MN, Morris	Bryan Herrmann

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

Draft Work Plan Subd.	Original Proposal ENRTF ID	Title	Summary	Total ENRTF \$ FY2022	Organization	Project Manager
07c	2021-191	Agrivoltaics To Improve The Environment And Farm Resiliency	The project team at the WCROC will model and evaluate alternative solar system designs that will maximize energy production as well as provide maximal benefits to cattle and farmers .	\$646,000	U of MN, WCROC	Bradley Heins
07d	2021-294	Behavioral Response Of Bald And Golden Eagles To Acoustic Stimuli	The goal of the work is to design and implement an acoustic deterrence protocol that will discourage bald and golden eagles from entering hazardous air space near wind energy installations.	\$261,000	U of MN, St. Anthony Falls Laboratory	Christopher Feist
07e	2021-344	Create Jobs Statewide By Diverting Materials From Landfills	By diverting over 20,000 tons of used household goods and building materials from the waste stream, this project will: reduce CO2 emissions; create 18 jobs; and, launch two businesses	\$2,244,000	Better Futures Minnesota	Steve Thomas
07f	2021-402	Strengthening Minnesota's Reuse Economy To Conserve Natural Resources	This project will conserve the State's natural resources by bolstering the reuse business network, providing individual business assistance and influencing consumer behavior to prioritize reuse, repair and rental.	\$334,000	ReUse Minnesota	Jennifer Kedward
<b>Subtotal</b>				<b>\$6,205,000</b>		
<b>Subd. 08 Methods to Protect, Restore, and Enhance Land, Water, and Habitat</b>				<b>\$6,429,000</b>	<b>18/87</b>	
08a	2021-022	Camp Ripley Sentinel Landscape Forest Restoration And Enhancements	This project will build a sustainable inter-agency private and public Camp Ripley landscape forest restoration program which includes: ▣rescribed Fire (750 acres) ▣abitat Restoration (125 acres) ▣orest Management Plans (70)	\$731,000	Crow Wing Soil and Water Conservation District	Melissa Barrick
08b	2021-039	Restoring Mussels In Streams And Lakes - Continuation	Restoring native mussel assemblages can improve water quality and ecological health of rivers. Mussel filter water, purifying and improving water clarity by removing particles and contaminants like E. coli bacteria.	\$619,000	MN DNR, Ecological and Water Resources Division	Mike Davis
08c	2021-058	Pollinator Central II: Habitat Improvement With Community Monitoring	We will restore and enhance 133 acres of pollinator habitat on 12 sites around the metro to benefit pollinators and people, and build knowledge of the impact through community-based monitoring.	\$631,000	Great River Greening	Rebecca Tucker
08d	2021-062	Preserving Minnesota's Only Ball Cactus Population	Minnesota's only population of ball cactus is threatened as a significant proportion of the population is on private, unprotected lands. Moving plants to protected land will better protect this species.	\$103,000	U of MN, Landscape Arboretum	David Remucal
08e	2021-065	Phase 2 - Prescribed-Fire Management For Roadside Prairies	This project will continue to protect biodiversity and enhance pollinator habitat on roadsides by helping to create a self-sufficient prescribed fire program at the Minnesota Department of Transportation	\$217,000	Minnesota Department of Transportation	Nathan Johnson
08f	2021-084	Restoring Upland Forests For Birds	ABC will restore a minimum of 300 acres of deciduous forest in partnership with Aitkin, Beltrami and Cass Counties, utilizing science-based BMPs to rejuvenate non-commercial stands for focal wildlife species.	\$193,000	American Bird Conservancy	Kevin Sheppard
08g	2021-097	Minnesota Green Schoolyards	Minnesota Green Schoolyards pilot project will assess, promote, and demonstrate how schoolyards can improve water, air, and habitat quality; foster next generation stewards, while improving health, education, and community outcomes.	\$250,000	The Trust for Public Land	Eric Weiss
08h	2021-137	Plumbing The Muddy Depths Of Superior Hiking Trail	Bring "plumbing," or serious and effective water management devices and techniques, to the Superior Hiking Trail. This includes building structures and sculpting and managing soil and rock.	\$187,000	Superior Hiking Trail Association	Lisa Luokkala
08i	2021-212	Reducing Plastic Pollution With Biodegradable Erosion Control Products	Utilization of Industrial Hemp to create biodegradable alternatives to plastic-based erosion and sediment control products.	\$200,000	Agricultural Utilization Research Institute	Riley Gordon
08j	2021-223	Remote Sensing And Super-Resolution Imaging Of Microplastics	The research will collect samples of microplastics to establish relationships between physical and remote sensing characteristics of microplastics for cost effective monitoring of microplastics in Minnesota natural and engineered waters.	\$309,000	U of MN, St. Anthony Falls Laboratory	Ardeshir Ebtehaj

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

Draft Work Plan Subd.	Original Proposal ENRTF ID	Title	Summary	Total ENRTF \$ FY2022	Organization	Project Manager
08k	2021-229	Woodcrest Trail Expansion And Prairie Restoration	Country Manor requests \$92,000 to restore nine acres of native prairie, and extend groomed trails through adjacent woodlands on the property of a senior living facility in Central Minnesota.	\$16,000	Country Manor Campus, LLC	Sara Gabrielson
08l	2021-231	Urban Pollinator And Native American Cultural Site Restoration	Three urban natural areas, including an iconic Native American cultural site, will be restored to native prairie and forest, with a focus on important pollinator and culturally significant native plants.	\$213,000	Friends of the Mississippi River	Betsy Daub
08m	2021-280	Economic And Ecological Benefits Of Soil Health	To provide real world economic results of cover crops and alternative tillage implementation. Environmental benefits do not have to come at a cost of bottom line profitability.	\$288,000	Redwood Soil & Water Conservation District	Scott Wold
08n	2021-308	Creating Cost-Effective Forage And Management Actions For Pollinators	We will collect long-term, species-specific plant data on pollinator forage quality and quantity. These data will be used to design an open-access web-based tool for land managers in Minnesota.	\$198,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Daniel Cariveau
08o	2021-322	Shoreline Stabilization, Fishing, ADA Improvements At Silverwood Park	The Project will provide water quality improvements through shoreline stabilization, shoreline fishing improvements and shoreline ADA access on the island in Silver Lake within Silverwood Park, St. Anthony MN.	\$200,000	Three Rivers Park District	Jonathan Vlaming
08p	2021-337	Lawns To Legumes Program Phase 2	Phase Two of the Lawns to Legumes Program builds on current momentum to further engage residents across Minnesota to establish pollinator habitat and expands into community parks and school landscapes.	\$993,000	Board of Water and Soil Resources	Dan Shaw
08q	2021-375	Reintroduction Of Bison To Spring Lake Park Reserve	Dakota County, in partnership with the Minnesota Bison Conservation Herd, will reintroduce American plains bison (Bison bison) to the prairie of Spring Lake Park Reserve.	\$560,000	Dakota County	Tom Lewanski
08r	2021-377	Elm Creek Habitat Restoration Final Phase	Phase V is the Final Phase of the Elm Creek Habitat and Restoration that includes 3,800 linear feet of stream bank restoration of Elm Creek	\$521,000	City of Champlin	Todd Tuominen
			<b>Subtotal</b>	<b>\$6,429,000</b>		
<b>Subd. 09 Land Acquisition, Habitat and Recreation \$32,062,000 22/87</b>						
09a	2021-012	Perham To Pelican Rapids Regional Trail (McDonald Segment)	Construction of the McDonald Segment (5.83 miles) of the 32-mile Perham to Pelican Rapids Regional Trail that will connect Perham and Pelican Rapids via Maplewood State Park.	\$2,245,000	Otter Tail County	Matthew Yavarow
09b	2021-028	Mesabi Trail CsaH 88 To Ely	This project is for the construction of an approximately 2.8 mile long segment of the Mesabi Trail beginning at the intersection of County State Aid Highway 88 to Ely.	\$1,650,000	St. Louis & Lake Counties Regional Railroad Authority	Robert Manzoline
09c	2021-029	SW MN Single Track Trail	Create a single track mountain bike trail in a county park in SW MN where there is a current need for such infrastructure to boost economic and lifestyle changes.	\$190,000	Jackson County	Jeremy Bartosh
09d	2021-043	Local Parks, Trails And Natural Areas Grant Programs	Provide approximately 16 matching grants for local parks, acquisition of locally significant natural areas and trails to connect people safely to desirable community locations and regional or state facilities.	\$2,250,000	MN DNR, Grants Unit	Audrey Mularie
09e	2021-049	Metropolitan Regional Parks System Land Acquisition- Phase 7	Acquire properties with high-quality natural resources or natural resources restoration potential for the metropolitan Regional Parks System. This \$3M request will be matched with over \$3M in local/regional funds.	\$2,250,000	Metropolitan Council	Jessica Lee
09f	2021-069	Sauk Rapids Rapids Project Lions Park	Lions Park improvements. Park is located on the rapids area of the Mississippi River. Enhance interaction with the river regionally with access points in this park.	\$463,000	City of Sauk Rapids	Todd Schultz
09g	2021-092	City Of Brainerd - Mississippi Landing Trailhead	The Mississippi Landing Trailhead Park will help connect residents and visitors to the Mississippi River through recreation, education, and restoration; providing an accessible connection to the river for everyone.	\$2,850,000	City of Brainerd	David Chanski

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

Draft Work Plan Subd.	Original Proposal ENRTF ID	Title	Summary	Total ENRTF \$ FY2022	Organization	Project Manager
09h	2021-105	Native Prairie Stewardship & Prairie Bank Easement Acquisition	Native Prairie Bank (NPB) will help landowners conserve native prairie through multiple outreach methods, restoration and enhancement of 700 acres, and protection of 150 acres through conservation easements.	\$1,341,000	MN DNR, Ecological and Water Resources Division	Judy Schulte
09i	2021-109	Moose Lake - Trunk Highway 73 Trail	The City of Moose Lake will be constructing a non-motorized recreation trail along Highway 73. This new trail will connect to several regional existing trails in the Moose Lake area.	\$330,000	City of Moose Lake	Katie Bloom
09j	2021-151	SNA Acquisition, Restoration, Citizen-Science And Outreach	Scientific and Natural Area (SNA) habitat restoration/enhancement (1000+ acres), increased public involvement, and strategic acquisition (250+ acres) will conserve Minnesota's most unique and rare resources for everyone's benefit.	\$3,336,000	MN DNR, Ecological and Water Resources Division	Molly Roske
09k	2021-154	Precision Acquisition For Restoration, Groundwater Recharge And Habitat.	This proposal is for acquisition and restoration of a 36-acre key parcel that will reduce flooding while providing water storage, groundwater recharge, nutrient reduction, pollinator and wildlife habitat.	\$467,000	Shell Rock River Watershed District	Courtney Phillips
09l	2021-222	Lake Brophy Trail Expansion	The first project is a downhill trail and an uphill trail. The second project is an asphalt pump track.	\$100,000	Douglas County	Brad Bonk
09m	2021-325	Veterans On The Lake	\$650,000 is respectfully requested for accessibility/handicap renovations to existing structures and roadway and trail construction for upgrading accessibility for our clients 81% of which are disabled American Veterans.	\$553,000	Veterans on the Lake	Neil Olson
09n	2021-329	Voyageur National Park Crane Lake Visitors Center Project	Crane Lake Township is applying for LCCMR funds to construct a 7,000 square foot Visitors Center to serve as an access point to the Voyageurs National Park.	\$2,700,000	Town of Crane Lake	JoAnn Pohlman
09o	2021-330	Brookston Campground, Boat Launch & Outdoor Recreational Facility Final	The City of Brookston will be building a campground, boat launch, and outdoor recreation area on the banks of the St. Louis River in northeastern Minnesota.	\$425,000	City of Brookston	Kaycee Melin
09p	2021-332	Moose/Seven Beaver Multi-Use Trail Upgrade	The City of Hoyt Lakes and the Ranger ATV and Snowmobile Club will be improving the Moose and Seven Bears Trails and extending the trails to connect to regional trails.	\$900,000	City of Hoyt Lakes	Rebecca Burich
09q	2021-338	Above The Falls Regional Park Acquisition And Restoration	This project would acquire and restore 3.25 acres of industrial land along the Mississippi River within the Above the Falls Regional Park.	\$950,000	Minneapolis Parks and Recreation Board	Adam Arvidson
09r	2021-339	Silver Lake Trail Improvement Project	Reconstruction & renovation of the Silver Lake Walking Trail in order to allow safe multi-modal transportation between schools, parks, community recreation facilities and other community activity centers in Downtown Virginia.	\$1,071,000	City of Virginia	Britt See-Benes
09s	2021-362	Minnesota State Trails Development	This project proposes to expand recreational opportunities on Minnesota State Trails through the rehabilitation and enhancement of existing state trails and replacement or repair of existing state trail bridges.	\$4,266,000	MN DNR, State Parks and Trails Division	Kent Skaar
09t	2021-363	Highbanks Ravine Bat Habernaculum Project	The City of St. Cloud will be rerouting and upgrading their existing stormwater system in the Highbanks Ravine area working with the DNR to preserve an existing bat hibernaculum.	\$825,000	City of St. Cloud	Lisa Vollbrecht
09u	2021-371	State Parks And State Trails In-Holdings	Acquire top priority in-holdings within legislatively established boundaries of Minnesota's 75 State Parks and State Recreation Areas and 26 State Trails from willing sellers	\$2,560,000	MN DNR, State Parks and Trails Division	Brandon Helm
09v	2021-380	Accessible Fishing Piers And Shore Fishing Areas	Provide 6-8 accessible fishing piers and 1-2 developed shore fishing sites in locations that have a high potential to serve new angling communities, under-served populations and anglers with disabilities.	\$340,000	MN DNR, State Parks and Trails Division	Nancy Stewart
<b>Subtotal</b>				<b>\$32,062,000</b>		<b>SubTotal</b>
<b>Subd. 10 Administrative and Emerging Issues \$2,120,000 4/85</b>						

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

<b>Draft Work Plan Subd.</b>	<b>Original Proposal ENRTF ID</b>	<b>Title</b>	<b>Summary</b>	<b>Total ENRTF \$ FY2022</b>	<b>Organization</b>	<b>Project Manager</b>
10a	2021-027	ML 2021 Contract Agreement Reimbursement	Provide contract management to ENRTF pass-through appropriation recipients for approximately 60 open grants. Ensure funds are expended in compliance with appropriation law, state statute, grants policies, and approved work plans.	\$135,000	MN DNR, Grants Unit	Katherine Sherman-Hoehn
10b	n/a	LCCMR Budget FY22-FY23	n/a	\$1,750,000	LCCMR	Becca Nash
10c	n/a	Emerging Issues Account	n/a	\$233,000	LCCMR	Becca Nash
10d	n/a	Legislative Coordinating Commission (LCC) Administration	n/a	\$2,000	LCC	Sally Olson
			<b>Subtotal</b>	<b>\$2,120,000</b>		
			<b>Total</b>	<b>\$70,881,000</b>		