

Environment and Natural Resources Trust Fund
Final Work Plan Review and Approvals - M.L. 2022 (FY 2023)
 June 27, 2022

Line Number	Direct or Pass Through	Organization	First Name	Last Name	Subd.	Project ID	Project Title	Amount Appropriated	Work Plan Approval Notes and Contingencies	Project Impact Area	Classified Staff	Fee Title Acquisition	Conservation Easement	Capital Expenditure	Peer Review Complete	Work Plan Approval Date
2	A. Consent Agenda - work plans accepted by staff with reasonable changes from original proposals															
3	Pass Through	St. Louis & Lake Counties Regional Railroad Authority	Bill	Dahl	09a	2022-005	Mesabi Trail: Wahlsten Road (CR 26) towards Tower	\$1,307,000	No fee title acquisition included per legislature	NE	No	No	No	Yes	N/A	
4	Direct	U of MN	David	Remucal	08a	2022-006	Minnesota's Volunteer Rare Plant Conservation Corps	\$859,000		Statewide	No	No	No	Yes	N/A	
5	Direct	U of MN	Nicholas	Jordan	04n	2022-046	Scaling a Market-Driven Water-Quality Solution for Row-Crop Farming	\$476,000		Central, NW, SE, SW	No	No	No	No	N/A	
6	Direct	MN DNR	Holly	Bernardo	03b	2022-048	Enhancing Natural Resource Conservation through Species Distribution Modeling	\$200,000		Statewide	No	No	No	No	N/A	
7	Direct	U of MN	Roger	Ruan	04a	2022-049	Methods to Destroy PFAS in Landfill Leachates	\$200,000		Statewide	No	No	No	No	Yes	
8	Direct	MN DNR	Audrey	Mularie	09c	2022-057	Local Parks, Trails, and Natural Areas Grant Programs	\$3,560,000		Statewide	Yes	Yes	No	Yes	N/A	
9	Direct	MN DNR	Christina	Locke	08c	2022-061	Creating Seed Sources of Early-Blooming Plants for Pollinators	\$200,000		SW	No	No	No	Yes	N/A	
10	Direct	MN DNR	Alison	Cariveau	05c	2022-066	Expanding Access to Wildlife Learning Bird by Bird	\$276,000		Metro	No	No	No	No	N/A	
11	Direct	MN DNR	Steve	Kloiber	03c	2022-076	Modernizing Minnesota's Digital Lake Inventory	\$787,000		Statewide	Yes	No	No	No	N/A	
12	Direct	U of MN	Timothy	LaPara	04b	2022-087	High Temperature Anaerobic Digestion of Sewage Sludge	\$208,000		Statewide	No	No	No	No	Yes	
13	Pass Through	Wild Rivers Conservancy	Katie	Sickmann	06b	2022-089	Purple Loosestrife Biocontrol Citizen Science Program	\$174,000		NE, SE	No	No	No	No	N/A	
14	Pass Through	Chicago Horticultural Society	Stuart	Wagenius	03d	2022-091	How Do Prescribed Fires Affect Native Prairie Bees?	\$500,000		Statewide	No	No	No	No	Yes	
15	Direct	MN DNR	Judy	Schulte	09e	2022-101	Native Prairie Stewardship and Prairie Bank Easement Acquisition	\$1,353,000		Statewide	Yes	No	Yes	No	N/A	
16	Direct	U of MN	Ted	Ozersky	04d	2022-103	Changing Winters and Game Fish in Minnesota Lakes	\$238,000		Statewide	No	No	No	No	Yes	

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17	Pass Through	Great River Greening	Amy	Kilgore	05d	2022-107	Engaging a Diverse Public in Environmental Stewardship	\$300,000		Central, Metro, SE, SW	No	No	No	No	N/A	
18	Direct	U of MN	Briana	Gross	03e	2022-109	Status of Minnesota Blueberries and Related Berry Species	\$191,000		NE	No	No	No	No	Yes	
19	Direct	MN DNR	Shelby	Kok	09f	2022-111	Minnesota State Parks and State Trails Maintenance and Development	\$3,783,000	No fee title acquisition included per legislature	Statewide	No	No	No	Yes	N/A	
20	Pass Through	US Geological Survey	Anna	Baker	04e	2022-116	Rainy River Drivers of Lake-of-the-Woods Algal Blooms	\$608,000		Statewide	No	No	No	No	Yes	
21	Direct	MN DNR	Katherine	Sherman-Hoehn	11	2022-121	ML 2022 Contract Agreement Reimbursement	\$210,000		Statewide	No	No	No	No	N/A	
22	Direct	U of MN	Michael	Joyce	03f	2022-122	Distribution and Movements of Fishers in Southern Minnesota	\$340,000		Central, Metro, SE, SW	No	No	No	No	Yes	
23	Direct	MN DNR	Kent	Skaar	09g	2022-135	Minnesota State Trails Development	\$7,387,000		Statewide	No	No	No	No	N/A	
24	Pass Through	City of Virginia	Britt	See-Benes	09l	2022-143	Silver Lake Trail Connection	\$727,000		NE	No	No	No	No	N/A	
25	Direct	U of MN	Joseph	Bump	03g	2022-149	Offal Wildlife Watching: How Do Hunters Provision Scavengers?	\$473,000		Statewide	No	No	No	Yes	Yes	
26	Direct	U of MN	Tracy	Twine	04f	2022-152	Water and Climate Information to Enhance Community Resilience	\$564,000		Statewide	No	No	No	No	Yes	
27	Direct	MN DNR	Molly	Roske	09h	2022-158	SNA Habitat Restoration and Public Engagement	\$5,000,000	No fee title acquisition included per legislature	Statewide	Yes	No	No	No	N/A	
28	Direct	U of MN	Rebecca	Swenson	05e	2022-162	Bugs Below Zero: Engaging Citizens in Winter Research	\$198,000		Statewide	No	No	No	No	N/A	
29	Direct	U of MN	Andrew	Wickert	03h	2022-163	Land-Use and Climate Impacts on Minnesota's Whitewater River	\$199,000		Statewide	No	No	No	No	N/A	
30	Direct	Science Museum of Minnesota	Jason	Ulrich	04h	2022-166	Increased Intense Rain and Flooding in Minnesota's Watersheds	\$192,000		SE, SW	No	No	No	No	Yes	
31	Direct	U of MN	Emilie	Snell-Rood	08e	2022-167	Pollinator Plantings and the Redistribution of Soil Toxins	\$610,000		Statewide	No	No	No	Yes	Yes	

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32	Pass Through	Minnesota Science Teachers Association	Lee	Schmitt	05f	2022-169	ESTEP: Earth Science Teacher Education Project	\$495,000		Statewide	No	No	No	No	N/A	
33	Direct	U of MN	Chris	Leighton	07a	2022-180	Green Solar Cells from a Minnesota Natural Resource	\$673,000		Statewide	No	No	No	No	Yes	
34	Direct	U of MN	Brian	Aukema	03i	2022-185	Protecting Minnesota's Spruce-Fir Forests from Tree-Killing Budworm	\$189,000		Central, NE	No	No	No	No	Yes	
35	Direct	U of MN	Jiwei	Zhang	08f	2022-188	PFAS Fungal-Wood Chip Filtering System	\$189,000		Statewide	No	No	No	No	Yes	
36	Direct	U of MN	Andrew	David	03j	2022-193	Restoration of Eastern Hemlock, Minnesota's Endangered Tree Species	\$199,000		Central, NE	No	No	No	No	Yes	
37	Direct	U of MN	Bo	Hu	08g	2022-214	Phytoremediation for Extracting Deicing Salt	\$451,000		Statewide	No	No	No	No	Yes	
38	Pass Through	Minneapolis Park and Recreation Board	Adam	Arvidson	08i	2022-244	Bohemian Flats Savanna Restoration	\$286,000		Metro	No	No	No	No	N/A	
39	Direct	MN DNR	Mimi	Daniel	05h	2022-250	Increasing Diversity in Environmental Careers	\$500,000		Statewide	No	No	No	No	N/A	
40	Direct	U of MN	Joel	Tallaksen	04j	2022-251	Mitigation Strategies for Agroplastic PFAS and Microplastic Contamination	\$169,000		Statewide	No	No	No	No	N/A	
41	Direct	Board of Water and Soil Resources	Lindberg	Ekola	08j	2022-260	Watershed and Forest Restoration: What a Match!	\$3,318,000	No fee title acquisition included per legislature	Central	Yes	No	Yes	Yes	N/A	
42	Direct	U of MN	Shaobo	Deng	04k	2022-265	Innovative Technology for PFAS Destruction in Drinking Water	\$445,000		Statewide	No	No	No	Yes	Yes	
43	Direct	U of MN	Neil	Anderson	03l	2022-266	Sweetening the Crop: Perennial Flax for Ecosystem Benefits	\$490,000		Statewide	No	No	No	No	Yes	
44	Pass Through	National Park Service	Nancy	Duncan	03m	2022-275	Beavers, Trees and Climate - Increasing Floodplain Forest Resilience	\$430,000		Statewide	No	No	No	No	Yes	
45	Direct	U of MN	Alexandrea	Safiq	05i	2022-279	Diversity and Access to Wildlife-Related Opportunities	\$199,000		Statewide	No	No	No	No	Yes	
46	Pass Through	St. Louis County	Mark	St. Lawrence	04m	2022-286	PFAS Contaminant Mitigation Using Hybrid Engineered Wetlands	\$446,000		Statewide	No	No	No	Yes	Yes	

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47	Pass Through	City of Morris	Blaine	Hill	07b	2022-291	Morris GHG Emissions Inventory and Mitigation Strategies	\$170,000		Statewide	No	No	No	No	N/A	
48	B. Work plans not currently ready for LCCMR approval due to various factors															
49	Pass Through	Fairview Township	Marla	Yoho	09i	2022-008	The Missing Link: Gull Lake Trail, Fairview Township	\$1,394,000		Central	No	No	No	No	N/A	
50	Pass Through	Hamline University	Patty	Born	05a	2022-026	Teacher Field School: Stewardship through Nature-Based Education	\$500,000		Statewide	No	No	No	No	N/A	
51	Pass Through	Osprey Wilds Environmental Learning Center	Bryan	Wood	05b	2022-029	Increasing K-12 Student Learning to Achieve ENRTF's Goals	\$1,602,000		Statewide	No	No	No	No	N/A	
52	Pass Through	Conservation Corps Minnesota	Brian	Miller	08b	2022-034	Conservation Corps Veterans Service Corps Program	\$1,339,000		Statewide	No	No	No	No	N/A	
53	Pass Through	Independent School District #712, Mountain Iron Buhl Public Schools	Reggie	Engebritson	09b	2022-041	Environmental Learning Classroom with Trails	\$82,000		NE	No	No	No	No	N/A	
54	Direct	U of MN	Alexis	Grinde	03a	2022-043	Improving Golden-Winged Warbler Conservation and Habitat Restoration	\$197,000		Statewide	No	No	No	No	Yes	
55	Pass Through	City of Hastings	Chris	Jenkins	08d	2022-065	Hastings Lake Rebecca Park Area	\$1,000,000		Metro	No	No	No	No	N/A	
56	Direct	U of MN	Heather	Koop	06a	2022-067	Minnesota Invasive Terrestrial Plants and Pests Center	\$6,230,000		Statewide	No	No	No	No	N/A	
57	Direct	Board of Water and Soil Resources	Henry	Van Offelen	03o	2022-081	Strategic Framework to Guide Local Water Storage Implementation	\$200,000		Statewide	No	No	No	No	N/A	
58	Pass Through	City of Duluth	Cliff	Knettel	09d	2022-088	St. Louis River Re-Connect	\$500,000		Statewide	No	No	No	No	N/A	
59	Direct	U of MN	Judy	Yang	04c	2022-099	Mitigating Cyanobacterial Blooms and Toxins Using Clay-Algae Flocculation	\$326,000		Statewide	No	No	No	No	No	
60	Pass Through	City of Silver Bay	Lana	Fralich	09j	2022-127	Silver Bay Multimodal Trailhead Project	\$1,000,000		Statewide	No	No	No	No	N/A	
61	Pass Through	City of Brookston	Kaycee	Melin	09k	2022-140	Brookston Campground, Boat Launch and Outdoor Recreational Facility	\$453,000		Statewide	No	No	No	No	N/A	

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62	Pass Through	City of Melrose	Colleen	Winter	08k	2022-142	River Habitat Restoration and Recreation in Melrose	\$350,000		Sauk River	No	No	No	No	N/A	
63	Pass Through	City of Floodwood	Corinne	Suonvieri	09m	2022-150	Floodwood Campground Improvement Project	\$816,000		Statewide	No	No	No	No	N/A	
64	Direct	U of MN	Bridget	Ulrich	04g	2022-155	Catch and Reveal: Discovering Unknown Fish Contamination Threats	\$246,000		Statewide	No	No	No	No	Yes	
65	Pass Through	City of Ranier	Sherril	Gautreaux	09n	2022-165	Ranier Safe Harbor/Transient Dock Phase 2	\$1,000,000		Statewide	No	No	No	No	N/A	
66	Direct	U of MN	Peter	Larsen	03k	2022-217	Establishing a Center for Prion Research and Outreach	\$3,877,000		Statewide	No	No	No	Yes	Yes	
67	Pass Through	Bois de Sioux Watershed District	Jamie	Beyer	08h	2022-221	Mustinka River Fish and Wildlife Habitat Corridor Rehabilitation	\$2,692,000		Central, NW	No	No	No	No	N/A	
68	Direct	U of MN	Nicholas	Phelps	04i	2022-224	Is the Tire Chemical GPPDq Killing Minnesota's Fish?	\$437,000		Statewide	No	No	No	No	No	
69	Pass Through	Prairie Woods Environmental Learning Center	Joseph	Dunlavy	05g	2022-236	YES! Students Take Action to Complete Eco Projects	\$199,000		Statewide	No	No	No	No	N/A	
70	Direct	Science Museum of Minnesota	Mark	Edlund	04l	2022-272	Salt Threatens Minnesota Water Quality and Fisheries	\$1,228,000		Statewide	No	No	No	No	Yes	
71	C. Work plans for projects added by the Legislature															
72	Direct	MN DNR			10a		Aggregate Resource Mapping	\$500,000								
73	Pass Through	City of Paynesville			10b		Leaded Gasoline Contamination Analysis	\$200,000								
74	Direct	Minnesota Department of Transportation			10c		Living Snow Fence Program	\$200,000								
75	Direct	MN DNR			10d		Forest Data Inventory	\$500,000								
76	Direct	Board of Water and Soil Resources			10e		Conservation Reserve Program State Incentives	\$750,000								

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77	Direct	MN DNR			10f		Groundwater Storage and Recovery Database	\$400,000								
78	Direct	MN DNR			10g		Rural and Farmstead Ring Levees	\$360,000								
79	Direct	Minnesota Pollution Control Agency			10h		Replacing Failing Septic Systems to Protect Groundwater	\$2,000,000								
80	Pass Through	U of MN			10i		Forever Green	\$763,000								
81	Direct	Minnesota Pollution Control Agency			10j		Pig's Eye Landfill Task Force	\$800,000								
82	Direct	Minnesota Department of Agriculture			10k		Developing Markets for Continuous Living Cover Crops	\$500,000								
83	Direct	U of MN			03n		Chronic Wasting Disease Prion Soil Research	\$732,000								