

Environment and Natural Resources Trust Fund

1st SS HF 28 Article 3

Project		Agency/Grantee	1st SS HF 28		
			Year		
			FY2020	FY 2021	FY20-21
1 Subdivision 3 Foundational Natural Resource Data and Information					
2 a	Geologic Atlases for Water Resource Management	U of MN	-	2,000	2,000
3 b	Expanding Minnesota Ecological Monitoring Network	DNR	-	800	800
4 c	County Groundwater Atlas	DNR	-	1,125	1,125
5 d	Foundational Hydrology Data For Wetland Protection and Restoration	DNR	-	400	400
6 e	Voyageurs Wolf Project - Phase II	U of MN	-	575	575
7 f	Expanding Restoration and Promoting Awareness of Native Mussels	MN Zoo	-	489	489
8 g	Improving Pollinator Conservation By Revealing Habitat Needs	U of MN	-	500	500
9 h	Bee Minnesota - Protect Our Native Bumblebees	U of MN	-	650	650
10 i	Bobcat and Fisher Habitat Use and Interactions	U of MN	-	400	400
11 j	Healthy Prairies III: Restoring Minnesota Prairie Plant Diversity	U of MN	-	500	500
12 k	Freshwater Sponges and AIS: Engaging Citizen Scientists	U of MN	-	400	400
13 l	Do Beavers Buffer Against Droughts and Floods?	DNR-Voyageurs National Park	-	168	168
14 m	Enhancing Bat Recovery By Optimizing Artificial Roost Structures	DNR	-	190	190
15 n	Tools For Supporting Healthy Ecosystems and Pollinators	DNR	-	198	198
16 o	Conserving Black Terns and Forster's Terns In Minnesota	U of MN- NRRI	-	198	198
17		Subtotal	-	8,593	8,593
18 Subdivision 4 Water Resources					
19 a	Unprecedented Change Threatens Minnesota's Pristine Lakes	Science Museum	849	-	849
20 b	Managing Highly Saline Waste From Municipal Water Treatment	U of MN	-	250	250
21 c	Technology for Energy-Generating On-Site Industrial Wastewater Treatment	U of MN	-	450	450
22 d	Microplastics: Transporters of Contaminants in Minnesota Waters	U of MN	-	425	425
23 e	Developing Strategies to Manage PFAS in Land Applied Biosolids	PCA	-	1,404	1,404
24 f	Quantifying New Urban Precipitation and Water Reality	U of MN	-	500	500
25 g	Innovative Solution for Protecting Minnesota from PFAS Contamination	DNR-Dem-Con	-	250	250
26 h	Expanding Protection of Minnesota Water Through Industrial Conservation	U of MN	-	178	178
27 i	COVID-19 Effects on Wastewater Treatment	U of MN	699	-	699
28		Subtotal	1,548	3,457	5,005
29 Subdivision 5 Technical Assistance, Outreach, and Environmental Education					
30 a	Statewide Environmental Education Via Public Television Outdoor Series	DNR-Pioneer Public Television	-	300	300
31 b	Minnesota Freshwater Quest: Environmental Education on State Waterways	DNR-Wilderness Inquiry	-	500	500
32 c	Teach Science: Schools as STEM Living Laboratories	DNR-Climate Generation	-	368	368
33 d	Mentoring Next Generation of Conservation Professionals	DNR-MVNWRT	-	500	500

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34	e Jay C. Hormel Nature Center Supplemental Teaching Staff	DNR-Austin	-	225	225
35	f 375 Underserved Youth Learn Minnesota Ecosystems by Canoe	DNR-YMCA	-	375	375
36	g YES! Students Take on Water Quality Challenge - Phase II	DNR-Prairie Woods ELC	-	199	199
37	h Engaging Minnesotans With Phenology: Radio, Podcasts, Citizen Science	DNR-Northern Community Radio	-	198	198
38	i Driving Conservation Behavior For Native Mussels and Water Quality	MN Zoo	-	191	191
39	j Workshops and Outreach to Protect Raptors from Lead Poisoning	U of MN Raptor Center	-	133	133
40		Subtotal	-	2,989	2,989
41	Subdivision 6 Aquatic and Terrestrial Invasive Species				
42	a Minnesota Invasive Terrestrial Plants and Pests Center (MITPPC)-Phase V	U of MN	-	5,000	5,000
43	b Protect Community Forests by Managing Ash for Emerald Ash Borer	DNR	320	3,500	3,820
44	c Biological Control of White-Nose Syndrome in Bats-Phase III	U of MN	-	440	440
45	d Applying New Tools and Techniques Against Invasive Carp	DNR	-	478	478
46	e Emerald Ash Borer and Black Ash: Maintaining Forests and Benefits	U of MN	-	700	700
47	f Testing Effectiveness of Aquatic Invasive Species Removal Methods	U of MN-NRRI	-	110	110
48	g Invasive <i>Didymosphenia</i> Threatens North Shore Streams	Science Museum	-	197	197
49		Subtotal	320	10,425	10,745
50	Subdivision 7 Air Quality and Renewable Energy				
51	a Storing Renewable Energy in Flow Batter For Grid Use	U of MN-Morris	-	250	250
52	b Eco-Friendly Plastics from Cloquet Pulp-Mill Lignin	U of MN	-	193	193
53	c Diverting Unsold Food From Landfills and Reducing Greenhouse Gases	DNR-Second Harvest Heartland	-	130	130
54		Subtotal	-	573	573
55	Subdivision 8 Methods to Protect or Restore Land, Water, and Habitat				
56	a Pollinator Central: Habitat Improvement With Citizen Monitoring	DNR-Great River Greening	-	750	750
57	b Pollinator and Beneficial Insect Strategic Habitat Program	BWSR	-	750	750
58	c Lignin-Coated Fertilizers For Phosphate Control	U of MN-NRRI	-	250	250
59	d Implementing Hemp Crop Rotation to Improve Water Quality	MNSCU-Central Lakes College	-	700	700
60	e Developing Cover-Crop Systems for Sugar Beet Production	U of MN	-	300	300
61	f Native Eastern Larch Beetle Decimating Minnesota's Tamarack Forests	U of MN	-	398	398
62	g Habitat Associations of Mississippi Bottomland Forest March Birds	DNR-Audubon	-	275	275
63	h Peatland Restoration in the Lost River State Forest	DNR-Roseau River WD	-	135	135
64	i Prescribed Burning for Brushland-Dependent Species-Phase II	U of MN	-	147	147
65	j Pollinator Habitat Creation Along Urban Mississippi River	DNR-Friends of the Mississippi River	-	129	129
66	k Increase Golden Shiner Production to Protect Aquatic Communities	U of MN-Sea Grant	-	188	188
67	l Restoring Turf to Native Pollinator Gardens Across Metro	DNR-Wilderness in the City	-	197	197
68	m Lawns to Legumes	BWSR	900	-	900
69		Subtotal	900	4,219	5,119

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70	Subdivision 9 Land Acquisition, Habitat, and Recreation				
71	a DNR Scientific and Natural Areas	DNR	-	3,000	3,000
72	b Private Native Prairie Conservation Through Native Prairie Bank	DNR	-	2,000	2,000
73	c Minnesota State Parks and Trails Inholdings	DNR	-	3,500	3,500
74	d Grants for Local Parks, Trails, and Natural Areas	DNR	-	2,400	2,400
75	e Mississippi River Aquatic Habitat Restoration and Mussel Reintroduction	DNR-Minneapolis Parks	-	1,800	1,800
76	f Minnesota Hunter Walking Trails: Public Land Recreation	DNR-Ruffed Grouse Society	-	300	300
77	g Turning Back to Rivers: Environmental and Recreational Protection	DNR-TPL	-	1,000	1,000
78	h Metropolitan Regional Parks System Land Acquisition-Phase VI	Metropolitan Council	-	1,000	1,000
79	i Minnesota State Trails Development	DNR	-	994	994
80	j Elm Creek Restoration-Phase IV	DNR-Champlin	-	500	500
81	k Superior Hiking Trail as Environmental Showcase	DNR-Superior Hiking Trail Association	-	450	450
82	l Upper St. Anthony Falls Enhancements	DNR-Friends of the Locke and Dam	-	2,800	2,800
83	m Whiskey Creek and Mississippi River Water Quality, Habitat, and Recreation	DNR-Mississippi Headwaters Board	-	500	500
84	n Perham to Pelican Rapids Regional Trail (West Segment)	DNR-Otter Tail County	-	2,600	2,600
85	o Crow Wing County Community Natural Area Acquisition	DNR-Crow Wing County	-	400	400
86	p Rocori Trail-Phase III	DNR-Rocori Trails Construction Board	-	1,200	1,200
87	q Mesabi Trail: New Trail and Additional Funding	DNR-St. Louis and Lake Counties Regional Railroad Authority	-	1,000	1,000
88	r Ranier Safe Harbor and Transient Dock on Rainy Lake	DNR-Ranier	-	762	762
89	s Crane Lake Voyageurs National Park Campground and Visitor Center	DNR-Crane Lake	-	3,100	3,100
90	t Chippewa County Acquisition, Recreation and Education	DNR-Chippewa County	-	160	160
91	u Sportsmen's Training and Developmental Learning Center	DNR-MN Forest Zone Trappers Association	-	85	85
92	v Birch Lake Recreation Area	DNR-Babbitt	-	350	350
93		Subtotal	-	29,901	29,901
94	Subdivision 10 Emerging Issues Account				
95	Wastewater Renewable Energy Demonstration Grants	PFA	-	1,095	1,095
96			-	1,095	1,095
97	Subdivision 11 Contract Agreement Reimbursement				
98	a Contract Agreement Reimbursement	DNR	-	135	135
99		Subtotal	-	135	135
100		TOTAL	2,768	61,387	64,155

101 **all values in thousands of \$*

102 style="text-align: right;">AMOUNT AVAILABLE 2,768 61,387

103 style="text-align: right;">Difference - -

104 ****The \$2.768 million available in FY 2020 is from the cancellation of the Sauk River Dam Removal and Rock Rapids Replacement. ML 2019, 1st SS, Ch. 4, Art. 2, Sec. 2, Subd. 8 (c)**