

# Environment and Natural Resources Trust Fund FY 2025

## HF 3377, as referred to Ways and Means

		Project	Agency	HF 3377, as referred to Ways and Means		
				FY2024	Year FY 2025	FY24-25
1	<b>Subdivision 3 Foundational Natural Resource Data and Information</b>					
2	a	Native Plant Community Data in City of Duluth	DNR-Pass Through	-	198	198
3	b	Reconstructing Historical Wild Rice to Understand Its Future	SCIENCE MUSEUM	-	200	200
4	c	Characterizing Tree Cavities and Use by Minnesota's Wildlife	U of MN	-	349	349
5	d	Fate of Minnesota's Lakes in the Next Century	U of MN	-	453	453
6	e	Turtle Island Skywatchers – Minnesota Research and Data Visualization	DNR-Pass Through	-	200	200
7	f	Monitoring Minnesota's Insects: Connecting Habitat to Insect Prey	U of MN	-	199	199
8	g	Determining Ambient Background PFAS Concentrations in Minnesota Soils	MPCA	-	621	621
9	h	Investigating Life History Characteristics of Minnesota Elk	DNR	-	933	933
10	i	Foundational Data for Moth and Butterfly Conservation	DNR	-	195	195
11	j	DNR County Groundwater Atlas	DNR	-	3,200	3,200
12	k	Voyageurs Wolf Project - Phase III	U of MN	-	996	996
13	l	Distribution and Population Status of Weasels in Minnesota	U of MN	-	400	400
14	m	Improving Aquatic Plant Knowledge for Healthy Waters	DNR	-	198	198
15	n	New Small Mammal Monitoring Methods for Minnesota	U of MN	-	199	199
16	o	Status of Bats and Roost Trees after White-Nose Syndrome	U of MN	-	195	195
17	p	Sublethal Effects of Pesticides on Invertebrate Community	U of MN	-	387	387
18	q	Modernizing Minnesota's Plant Community Classification and Field Guides	DNR	-	1,800	1,800
19	r	Assessing Prairie Health to Inform Pollinator Conservation	MN ZOO	-	297	297
20	s	Understanding Native Fishes in the Bowfishing Era	U of MN	-	588	588
21	t	Preserving Minnesota Wildflower Information	U of MN	-	199	199
22	u	White-Tailed Deer Movement and Disease in Suburban Areas	U of MN	-	699	699
23	v	Highly Pathogenic Avian Influenza and Minnesota Raptors	U of MN	-	187	187
24	w	Geologic Atlases for Water Resource Management	U of MN	-	1,236	1,236
25	x	Remote Sensing for Pollinator Habitat	DNR-Pass Through	-	180	180
26	y	Harnessing Cover Crops and Roots for Sustainable Cropping	U of MN	-	375	375
27	z	Effects of Conservation Grazing on Solar Pollinator Habitat	DNR-Pass Through	-	88	88
28	aa	Genetic Detection of Endangered Mussels in the Mississippi	DNR-Pass Through	-	241	241
29	bb	Integrated Population Modeling for Trumpeter Swans	U of MN	-	180	180
30			<b>Subtotal</b>	-	<b>14,993</b>	<b>14,993</b>
31	<b>Subdivision 4 Water Resources</b>					
32	a	Hyperspectral Characterization of Toxic Harmful Algal Blooms	U of MN	-	399	399
33	b	Characterization of Chemicals in Structural Fire Wastewater	U of MN	-	369	369
34	c	Climate Change and Management Effects on Lake Methane	U of MN	-	540	540

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35	d Enhancing Wastewater Treatment through Genetic Sequencing	U of MN		553	553
36	e Improving Water Efficiency Programming with Measurable Outcomes	DNR-Pass Through		200	200
37	f Fluorine Beyond PFAS: Pesticide and Pharmaceutical Degradation	U of MN		400	400
38	g Novel Nutrient Recovery Process from Wastewater Treatment Plants	U of MN		486	486
39	h Visitor Perceptions of Lake Water Quality to Aid Lake Management	U of MN		379	379
40	i Wildfire Impacts on Mercury Cycling in Wilderness Lakes	U of MN		297	297
41	j Flood and Drought Modeling for Minnesota	U of MN		499	499
42	k Breaking the PFAS Cycle with a Full-Scale Demonstration	DNR-Pass Through		1,481	1,481
43	l Are Stream Restoration Efforts Effective? An Evidence-Based Assessment.	DNR-Pass Through		200	200
44	m Uncovering the Past to Protect Minnesota's Walleye Fisheries	SCIENCE MUSEUM		1,121	1,121
45		<b>Subtotal</b>	-	<b>6,924</b>	<b>6,924</b>
46	<b>Subdivision 5 Environmental Education</b>				
47	a Jay C. Hormel Nature Center Supplemental Teaching Staff	DNR-Pass Through	-	410	410
48	b Connecting Communities to Voyageurs Classroom and Minnesota's National Park	DNR-Pass Through	-	994	994
49	c Supporting Minnesota Teachers Implement Culturally Sustaining Environmental Education	U of MN	-	295	295
50	d Phenology Investigations in Minnesota Schools	U of MN	-	392	392
51	e Get the Lead Out: Lead-Free Fishing Tackle Education	MPCA	-	254	254
52	f Water Science and Policy Fellowships for Minnesota	U of MN	-	407	407
53	g Mentoring Next Generation of Conservation Professionals - Phase II	DNR-Pass Through	-	793	793
54	h Restoring Land, Reviving Heritage: Indigenous Conservation-Phase II	DNR-Pass Through	-	688	688
55	i Unlocking Minnesota Wilderness for Youth	DNR-Pass Through	-	705	705
56	j Outdoor Pathways to Environmental Education, Recreation, and Careers	DNR-Pass Through	-	1,500	1,500
57	k Increasing Access to Environmental Education Youth Camps	DNR-Pass Through	-	163	163
58	l Launching Environmental Education at Shepard Farm	DNR-Pass Through	-	639	639
59	m YES! Students Step Up To Reduce Carbon Footprint	DNR-Pass Through	-	199	199
60	n The Boundary Waters is Our Backyard	DNR-Pass Through	-	500	500
61	o Season Watch: Cultivating Young Naturalists with Phenology Education	DNR-Pass Through	-	180	180
62	p Rural Minnesota Mobile Lab: Environmental-Focused Earth Science Education	U of MN	-	459	459
63	q Increasing Accessibility of Environmental Education at Deep Portage	DNR-Pass Through	-	228	228
64	r College-School Collaboration to Promote Environmental Career Paths	MN State Colleges and Universities	-	174	174
65	s Water Quality and Robots: Experientially Educating Minnesotan Youth	U of MN	-	353	353
66	t Expanding Youth and Family Fishing Opportunities	DNR	-	1,162	1,162
67	u Youth Conservation Empowerment Project	U of MN	-	70	70
68	v North Minneapolis Nature Connection: Storytelling and Leadership Pathways	DNR-Pass Through	-	697	697

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69			<b>Subtotal</b>	-	<b>11,262</b>	<b>11,262</b>
70		<b>Subdivision 6 Aquatic and Terrestrial Invasive Species</b>				
71	a	Minnesota Invasive Terrestrial Plants and Pests Center, VII	U of MN	-	7,000	7,000
72	b	Mitigating the Spread of Invasive Jumping Worms	U of MN	-	470	470
73	c	Implementing Innovative Techniques to Manage Low-Density Invasive Carp	DNR	-	634	634
74	d	Early Detection of Invasive Viruses in Native Pollinators	U of MN	-	200	200
75			<b>Subtotal</b>	-	<b>8,304</b>	<b>8,304</b>
76		<b>Subdivision 7 Air Quality, Climate Change, and Renewable Energy</b>				
77	a	Minimizing Minnesota's Landfill Problem by Expanding Waste Diversion	DNR-Pass Through	-	2,318	2,318
78	b	Building Resilient Urban Forests for Climate Change	DNR-Pass Through	-	752	752
79	c	Improving Agricultural Ecosystems through Autonomous Weed Control	U of MN	-	978	978
80	d	Advanced Biofilter for N2O Removal	U of MN	-	325	325
81	e	Managing Future Floods and Droughts in Minnesota	U of MN	-	460	460
82			<b>Subtotal</b>	-	<b>4,833</b>	<b>4,833</b>
83		<b>Subdivision 8 Methods to Protect, Restore, and Enhance Land, Water, and Habitat</b>				
84	a	Long-Term Preservation of Minnesota's Ball Cactus Population	U of MN	-	100	100
85	b	Morrison County Historical Society Streambank Stabilization and Restoration	DNR-Pass Through	-	519	519
86	c	Can Increased Tree Diversity Increase Community Diversity?	U of MN	-	415	415
87	d	Restoration of Riverside Park	DNR-Pass Through	-	141	141
88	e	Pollinator Central IV: Habitat Improvement with Public Engagement	DNR-Pass Through	-	698	698
89	f	Conservation Grazing for Birds, Beef, and Better Soil	DNR-Pass Through	-	342	342
90	g	Minnesota Microbes for Enhanced Biodegradation of Microplastics	U of MN	-	524	524
91	h	Completing the Mississippi River Greenway: Dakota County	DNR-Pass Through	-	657	657
92	i	Enabling Nature to Destroy Environmental PFAS Contaminants	U of MN	-	378	378
93	j	Bioacoustics for Species Monitoring and Conservation - Phase II	U of MN	-	568	568
94	k	Preventing PFAS and Microplastics Contaminants across Minnesota	U of MN	-	656	656
95	l	Shingle Creek Aquatic and Shoreline Habitat Enhancement	DNR-Pass Through	-	1,100	1,100
96	m	LiDAR Technology Preventing Wildlife Fatalities from Wind Turbines	U of MN	-	525	525
97	n	Road Salt Pollution of Surface Waters from Groundwater	U of MN	-	622	622
98	o	Growing the Minnesota Bison Conservation Herd	DNR	-	1,775	1,775
99	p	Priority Lakes: Meeting Protection Goals and Multiplying Benefits	DNR-Pass Through	-	1,890	1,890
100			<b>Subtotal</b>	-	<b>10,910</b>	<b>10,910</b>
101		<b>Subdivision 9 Land Acquisition, Habitat, and Recreation</b>				
102	a	Minnesota Driftless Hiking Trail	DNR-Pass Through	-	426	426

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103	b	Local Parks, Trails and Natural Areas Grant Programs	DNR	-	4,791	4,791
104	c	Acquisition of State Parks InHoldings	DNR-Pass Through	-	1,886	1,886
105	d	Scientific and Natural Area (SNA) Biodiversity Protection	DNR	-	957	957
106	e	Metropolitan Regional Parks System Land Acquisition Phase VIII	METROPOLITAN COUNCIL	-	3,000	3,000
107	f	Zumbro River Regional Water Trail	DNR-Pass Through	-	170	170
108	g	Spring Lake Park Reserve Restoration and River Access	DNR-Pass Through	-	2,925	2,925
109	h	Minnesota State Trails Development	DNR	-	5,036	5,036
110	i	Birch Lake Marina Design	DNR-Pass Through	-	197	197
111	j	Dent and Vergas Spur Trails	DNR-Pass Through	-	934	934
112			<b>Subtotal</b>	-	<b>20,322</b>	<b>20,322</b>
113	<b>Subdivision 10 Administrative</b>					
114	a	LCCMR Administrative Budget	LCCMR	-	750	750
115	b	Emerging Issues Account	LCCMR	-	1,071	1,071
116	d	Contract Agreement Reimbursement	DNR	-	275	275
117			<b>Subtotal</b>	-	<b>2,096</b>	<b>2,096</b>
118						
119			<b>ENRTF</b>	-	<b>79,644</b>	<b>79,644</b>
120			<b>TOTAL</b>	-	<b>79,644</b>	<b>79,644</b>
121						
122				AMOUNT AVAILABLE ENRTF	-	79,644
123				AMOUNT APPROPRIATED	-	79,644
124				Difference	-	-