

**Environment and Natural Resources Trust Fund FY 2025
Chapter 83 (HF 3377)**

	Project	Agency	Chapter 83		
			FY2024	Year FY 2025	FY24-25
1	Subdivision 3 Foundational Natural Resource Data and Information				
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		Subtotal	-	14,993	14,993
31	Subdivision 4 Water Resources				
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

Environment and Natural Resources Trust Fund FY 2025 Chapter 83 (HF 3377)

	Project	Agency	Chapter 83		
			FY2024	Year FY 2025	FY24-25
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		Subtotal	-	6,924	6,924
46	Subdivision 5 Environmental Education				
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

**Environment and Natural Resources Trust Fund FY 2025
Chapter 83 (HF 3377)**

	Project	Agency	Chapter 83		
			FY2024	Year FY 2025	FY24-25
69		Subtotal	-	11,262	11,262
70	Subdivision 6 Aquatic and Terrestrial Invasive Species				
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		Subtotal	-	8,304	8,304
76	Subdivision 7 Air Quality, Climate Change, and Renewable Energy				
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		Subtotal	-	4,833	4,833
83	Subdivision 8 Methods to Protect, Restore, and Enhance Land, Water, and Habitat				
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		Subtotal	-	10,910	10,910
101	Subdivision 9 Land Acquisition, Habitat, and Recreation				
102 a	Minnesota Driftless Hiking Trail	DNR-Pass Through	-	426	426

Environment and Natural Resources Trust Fund FY 2025 Chapter 83 (HF 3377)

		Project	Agency	Chapter 83		
				Year	FY2024	FY 2025
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			Subtotal	-	20,322	20,322
113	Subdivision 10 Administrative					
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			Subtotal	-	2,096	2,096
118						
119			ENRTF	-	79,644	79,644
120			TOTAL	-	79,644	79,644
121						
122			AMOUNT AVAILABLE ENRTF	-	79,644	79,644
123			AMOUNT APPROPRIATED	-	79,644	79,644
124			Difference	-	-	-