CKM/NB

S.F. No. 2934

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03/29/2018

Introduction and first reading Referred to Environment and Natural Resources Finance Comm report: To pass as amended and re-refer to Finance

SENATE STATE OF MINNESOTA

NINETIETH SESSION

1.1	A bill for an act			
1.2 1.3	relating to natural resources; appropriating money from environment and natural resources trust fund; correcting previous appropriations; modifying requirements			
1.4	for receipt of fund money; amending Minnesota Statutes 2016, sections 116P.08,			
1.5 1.6	subdivision 2; 116P.12, subdivision 1; Laws 2015, chapter 76, section 2, subdivision 9; Laws 2017, chapter 96, section 2, subdivision 8.			
1.7	BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:			
1.8	Section 1. APPROPRIATIONS.			
1.9	The sums shown in the columns marked "Appropriations" are appropriated to the agencies			
1.10	and for the purposes specified in this act. The appropriations are from the environment and			
1.11	natural resources trust fund, or another named fund, and are available for the fiscal years			
1.12	indicated for each purpose. The figures "2018" and "2019" used in this act mean that the			
1.13	appropriations listed under them are available for the fiscal year ending June 30, 2018, or			
1.14	June 30, 2019, respectively. "The first year" is fiscal year 2018. "The second year" is fiscal			
1.15	year 2019. "The biennium" is fiscal years 2018 and 2019.			
1.16	APPROPRIATIONS			
1.17	Available for the Year			
1.18	Ending June 30 2018 2010			
1.19	2018 2019			
1.20	Sec. 2. MINNESOTA RESOURCES			
1.21	Subdivision 1. Total Appropriation \$ -0- \$ 45,828,000			
1.22	The amounts that may be spent for each			
1.23	purpose are specified in the following			
1.24	subdivisions. Appropriations are available for			

1

2.1	two years beginning July 1, 2018, unless
2.2	otherwise stated in the appropriation. Any
2.3	unencumbered balance remaining in the first
2.4	year does not cancel and is available for the
2.5	second year or until the end of the
2.6	appropriation.
2.7	Subd. 2. Definition
2.8	"Trust fund" means the Minnesota
2.9	environment and natural resources trust fund
2.10	established under the Minnesota Constitution,
2.11	article XI, section 14.
2.12 2.13	Subd. 3. Foundational Natural Resource Data and Information
2.14	<u>(a) County Geologic Atlases - Part A</u>
2.15	\$2,500,000 the second year is from the trust
2.16	fund to the Board of Regents of the University
2.17	of Minnesota, Minnesota Geological Survey,
2.18	to continue producing county geologic atlases
2.19	for the purpose of informed management of
2.20	surface water and groundwater resources. This
2.21	appropriation is to complete part A, which
2.22	focuses on the properties and distribution of
2.23	earth materials to define aquifer boundaries
2.24	and the connection of aquifers to the land
2.25	surface and surface water resources. This
2.26	appropriation is available until June 30, 2022,
2.27	by which time the project must be completed
2.28	and final products delivered.
2.29	(b) County Geologic Atlases - Part B
2.30	\$1,500,000 the second year is from the trust
2.31	fund to the commissioner of natural resources
2.32	to continue producing county geologic atlases
2.33	for the purpose of informed management of
2.34	surface water and groundwater resources for
2.35	drinking water and other purposes. This

2

7,293,000

-0-

3.1	appropriation is to complete part B, which
3.2	uses the geologic formations mapped in part
3.3	A of the county geologic atlas project to
3.4	characterize the potential water yields of
3.5	aquifers and their sensitivity to contamination.
3.6	This appropriation is available until June 30,
3.7	2021, by which time the project must be
3.8	completed and final products delivered.
3.9 3.10	(c) Providing Critical Water-Quality Information for Lake Management
3.11	\$250,000 the second year is from the trust
3.12	fund to the Board of Regents of the University
3.13	of Minnesota to develop a semiautomated
3.14	system to acquire, process, and deliver new
3.15	satellite-derived water-quality data in near real
3.16	time on water clarity, algae, and turbidity for
3.17	Minnesota lakes. This appropriation is
3.18	available until June 30, 2021, by which time
3.19	the project must be completed and final
3.20	products delivered.
3.21	(d) Minnesota Biodiversity Atlas - Phase 2
3.22	\$350,000 the second year is from the trust
3.23	fund to the Board of Regents of the University
3.24	of Minnesota to expand the biodiversity atlas
3.25	project by adding more than 800,000 records
3.26	and images of Minnesota wildlife, plants, and
3.27	fungi, including observations from state
3.28	agencies and other museum collections, to
3.29	enhance research, guide field surveys, and
3.30	inform conservation planning. This
3.31	appropriation is available until June 30, 2021,
3.32	by which time the project must be completed
3.33	and final products delivered.
3.34	(e) Peatland Forest Management

3

4.1	\$600,000 the second year is from the trust
4.2	fund to the Board of Regents of the University
4.3	of Minnesota to identify management actions
4.4	to maximize benefits to wildlife, water quality,
4.5	timber production, and native plant
4.6	communities in peatland forests. This
4.7	appropriation is available until June 30, 2022,
4.8	by which time the project must be completed
4.9	and final products delivered.
4.10 4.11	(f) Assessing Natural Resource Benefits Provided by Lichens and Mosses
4.12	\$213,000 the second year is from the trust
4.13	fund to the Board of Regents of the University
4.14	of Minnesota to survey, map, and analyze
4.15	mosses and lichens across the state, including
4.16	their moisture-retention capacity, effects on
4.17	hydrology, and ability to filter airborne
4.18	pollutants. This appropriation is available until
4.19	June 30, 2021, by which time the project must
4.20	be completed and final products delivered.
4.21 4.22	<u>(g) Develop a System to Assess Wildlife Health</u> <u>Threats in Minnesota</u>
4.23	\$280,000 the second year is from the trust
4.24	fund to the Board of Regents of the University
4.25	of Minnesota to develop a statewide
4.26	information-management system that uses
4.27	wildlife-rehabilitation data to identify
4.28	emerging threats to wildlife health in
4.29	Minnesota.
4.30 4.31	(h) Conserving Minnesota's Forest Birds of Management Concern
4.32	\$500,000 the second year is from the trust
4.33	fund to the Board of Regents of the University
4.34	of Minnesota for the Natural Resources
4.35	Research Institute in Duluth to identify
4.36	forest-management actions and guidelines to

5.1	conserve birds in Minnesota's forests. This
5.2	appropriation is available until June 30, 2021,
5.3	by which time the project must be completed
5.4	and final products delivered.
5.5	(i) Mapping Avian Movement in Minnesota
5.6	\$200,000 the second year is from the trust
5.7	fund to the Board of Regents of the University
5.8	of Minnesota for the Natural Resources
5.9	Research Institute in Duluth to pilot the
5.10	establishment of a network of automated
5.11	radio-telemetry stations to monitor bird
5.12	migration and local movements and to develop
5.13	strategic plans for using the infrastructure long
5.14	term to monitor animal movement for
5.15	conservation. This appropriation is available
5.16	until June 30, 2021, by which time the project
5.17	must be completed and final products
5.18	delivered.
5.19	(j) Improve Trout-Stream Management by
5.20 5.21	Understanding Variable Winter Thermal Conditions
5.22	\$400,000 the second year is from the trust
5.23	fund to the Board of Regents of the University
5.24	of Minnesota to identify how winter
5.25	groundwater flows, air temperature, and
5.26	streambed conditions affect insect productivity
5.27	in order to guide restoration and management
5.28	efforts in southeastern Minnesota trout
5.29	streams. This appropriation is available until
5.30	June 30, 2021, by which time the project must
5.31	be completed and final products delivered.
5.32 5.33	<u>(k) Conserving Minnesota's Nine Species of</u> Freshwater Turtles
5.2.4	\$200,000 the accord war is from the to st
5.34	\$300,000 the second year is from the trust
5.35	fund to the Minnesota Zoological Garden to

5.36 <u>improve the long-term viability of Minnesota's</u>

6.1	imperiled turtle populations by researching
6.2	threats, identifying mitigation strategies,
6.3	implementing mechanisms to reduce threats
6.4	and mortality, and creating related outreach
6.5	and educational materials. This appropriation
6.6	is available until June 30, 2021, by which time
6.7	the project must be completed and final
6.8	products delivered.
6.9 6.10 6.11	<u>(l) Develop Sonar Data Mapping on Three</u> <u>Rivers to Assess Suitability for Native Mussel</u> <u>Habitat</u>
6.12	\$200,000 the second year is from the trust
6.13	fund to the commissioner of natural resources
6.14	for an agreement with the National Park
6.15	Service to create high-resolution sonar data
6.16	maps to identify critical native mussel habitat
6.17	for the designated Lower St. Croix National
6.18	Scenic Riverway and the Mississippi National
6.19	River and Recreation Area including part of
6.20	the Minnesota River.
6.21	Subd. 4. Water Resources
6.22 6.23	(a) Pilot Program to Optimize Local Mechanical and Pond Wastewater-Treatment Plants
6.24	\$700,000 the second year is from the trust
6.25	fund to the commissioner of the Minnesota
6.26	Pollution Control Agency, in partnership with
6.27	the Minnesota Rural Water Association and
6.28	the University of Minnesota's Technical
6.29	Assistance Program, to implement a pilot
6.30	program to optimize existing local mechanical
6.31	and pond wastewater-treatment systems to
6.32	increase nutrient removal and improve
6.33	efficiency without requiring costly upgrades.
6.34	(b) Assess and Develop Strategies to Remove

- Microscopic Plastic-Particle Pollution from Minnesota Water Bodies 6.35
- 6.36

5,275,000

-0-

7.1	\$300,000 the second year is from the trust
7.2	fund to the Board of Regents of the University
7.3	of Minnesota to assess, track, and develop
7.4	methods to remove microscopic plastic
7.5	particles that are dispersed and accumulating
7.6	as pollution in Minnesota water bodies. This
7.7	appropriation is subject to Minnesota Statutes,
7.8	section 116P.10. This appropriation is
7.9	available until June 30, 2021, by which time
7.10	the project must be completed and final
7.11	products delivered.
7.12 7.13 7.14	<u>(c) Reduce Chlorides in Minnesota Waters by</u> Evaluating Road-Salt Alternatives and Pavement Innovations
7.15	\$400,000 the second year is from the trust
7.16	fund to the Board of Regents of the University
7.17	of Minnesota to investigate road-salt
7.18	alternatives and pavement innovations to
7.19	reduce lake, stream, and groundwater
7.20	degradation caused by road-salt chlorides. This
7.21	appropriation is available until June 30, 2021,
7.22	by which time the project must be completed
7.23	and final products delivered.
7.24	(d) Protect Water Quality with Efficient
7.25	Removal of Contaminants in Treatment Ponds
7.26	for Storm Water
7.27	\$325,000 the second year is from the trust
7.28	fund to the Board of Trustees of the Minnesota
7.29	State Colleges and Universities system for St.
7.30	Cloud State University to evaluate the
7.31	effectiveness of best management practices in
7.32	removing contaminants from storm water to
7.33	safeguard aquatic habitats. This appropriation
7.34	is available until June 30, 2021, by which time
7.35	the project must be completed and final

7.36 products delivered.

8.1 8.2	(e) Develop Small and Inexpensive Purification System for Community Drinking Water
8.3	\$425,000 the second year is from the trust
8.4	fund to the Board of Regents of the University
8.5	of Minnesota to develop a small and
8.6	inexpensive purification-technology system
8.7	for community drinking-water facilities to
8.8	remove toxic contaminants, make water safe
8.9	to drink, and improve drinking-water quality.
8.10	This appropriation is subject to Minnesota
8.11	Statutes, section 116P.10. This appropriation
8.12	is available until June 30, 2021, by which time
8.13	the project must be completed and final
8.14	products delivered.
8.15 8.16 8.17	<u>(f) Evaluate Emerging Pathogens in Lakes,</u> Rivers, and Tap Water to Keep Drinking Water <u>Safe</u>
8.18	\$325,000 the second year is from the trust
8.19	fund to the Board of Regents of the University
8.20	of Minnesota to evaluate emerging pathogens
8.21	including Legionella and mycobacteria to
8.22	ensure that surface water used for drinking
8.23	water and tap water is safe to drink. This
8.24	appropriation is available until June 30, 2021,
8.25	by which time the project must be completed
8.26	and final products delivered.
8.27 8.28	(g) Characterize Unregulated Contaminants in Source Water and Drinking Water
8.29	\$1,000,000 the second year is from the trust
8.30	fund to the commissioner of health to establish
8.31	monitoring networks of public water-system
8.32	wells and surface-water intakes to determine
8.33	if contaminants persist after standard public
8.34	water treatment. This appropriation is
8.35	available until June 30, 2022, by which time

9.1	the project must be completed and final	
9.2	products delivered.	
9.3 9.4 9.5	(h) Mapping Antibiotic Resistance in Minnesota to Help Protect Environmental, Animal, and Human Health	
9.6	\$750,000 the second year is from the trust	
9.7	fund to the Board of Regents of the University	
9.8	of Minnesota to quantify and map antibiotic	
9.9	and antibiotic-resistance gene contamination	
9.10	in Minnesota waters and soils to identify	
9.11	locations in need of mitigation to protect	
9.12	environmental, animal, and human health. This	
9.13	appropriation is available until June 30, 2021,	
9.14	by which time the project must be completed	
9.15	and final products delivered.	
9.16 9.17	(i) Farmer-Led Expansion of Alfalfa Production to Increase Water Protection	
9.18	\$500,000 the second year is from the trust	
9.19	fund to the Board of Regents of the University	
9.20	of Minnesota to develop a farmer-led,	
9.21	market-based working-lands approach to	
9.22	increase water protection in agricultural areas	
9.23	by targeted expansion of alfalfa production	
9.24	and development of methods to convert alfalfa	
9.25	to high-value bioproducts. This appropriation	
9.26	is available until June 30, 2021, by which time	
9.27	the project must be completed and final	
9.28	products delivered.	
9.29 9.30	(j) Using Perennial Grain Crops in Wellhead Protection Areas to Protect Groundwater	
9.31	\$250,000 the second year is from the trust	
9.32	fund to the commissioner of agriculture to	
9.33	establish demonstration plots of Kernza, a new	
9.34	intermediate perennial grain crop, to evaluate	
9.35	the potential to profitably reduce nitrate	
9.36	contamination of groundwater in vulnerable	
	Sec. 2. 9	

	02/09/18	REVISOR	CKM/NB	18-5224	
10.1	wellhead protection regions of Minnesota.				
10.2	Any income generated as part of this				
10.3	appropriation	appropriation may be used to expand the			
10.4	project.				
10.5			Frading System for	_	
10.6 10.7		er in Shell Rock I ater Quality	River Watershed to	<u>)</u>	
10.8	\$300,000 the	e second year is fr	om the trust		
10.9	fund to the c	ommissioner of na	atural resources		
10.10	for an agreen	ment with the She	ll Rock River		
10.11	Watershed D	District to develop	and implement		
10.12	a pilot water	-quality credit-tra	ding program		
10.13	for storm wa	ter that provides	voluntary and		
10.14	cost-effectiv	e options to reduc	e pollution on		
10.15	a watershed	scale.			
10.16 10.17		hnical Assistanc ntal Education	e, Outreach, and	<u>-0-</u>	
10.18 10.19	<u>(a) Prairie S</u> Broadcasts		vide Environmenta	1	
10.20	\$300,000 the	e second year is fr	om the trust		
10.21	fund to the co	ommissioner of na	atural resources		
10.22	for an agreen	ment with Pioneer	Public		
10.23	Television to	provide outreach	n on outdoor		
10.24	recreation, c	onservation, and r	natural resource		
10.25	issues, inclu	ding water quality	, wildlife		
10.26	habitat, and	invasive species, t	hrough a series		
10.27	of interrelate	d educational and	training videos		
10.28	and statewid	e broadcast televi	sion programs.		
10.29 10.30	(b) YES! St Quality Cha		Minnesota Water-		
10.31	\$213,000 the	e second year is fr	om the trust		
10.32	fund to the c	ommissioner of na	atural resources		
10.33	for an agreen	ment with Prairie	Woods		
10.34	Environmen	tal Learning Cente	er to expand the		
10.35	Youth Energ	y Summit (YES!)	model to		
10.36	improve loca	al waterways by th	raining and		

as introduced

5,168,000

11.1	mobilizing over 20 youth-led teams in
11.2	Minnesota communities to complete 30 or
11.3	more projects related to water quality
11.4	including monitoring and reporting.
11.5	(c) Get Outdoors After-School Training
11.6	\$30,000 the second year is from the trust fund
11.7	to the commissioner of natural resources for
11.8	an agreement with Project Get Outdoors to
11.9	train and equip youth leaders at out-of-school
11.10	youth organizations across Minnesota with
11.11	knowledge, skills, and resources to incorporate
11.12	outdoor nature activities into after-school
11.13	programs for at least 6,000 children, including
11.14	those from underserved populations.
11.15 11.16	<u>(d) Connecting Students with Water</u> <u>Stewardship through Hands-on Learning</u>
11.17	\$400,000 the second year is from the trust
11.18	fund to the commissioner of natural resources
11.19	for an agreement with Minnesota Trout
11.20	Unlimited to engage students in classroom and
11.21	outdoor hands-on learning focused on water
11.22	quality, groundwater, aquatic life, and
11.23	watershed stewardship and providing youth
11.24	and their families with fishing experiences.
11.25	This appropriation is available until June 30,
11.26	2021, by which time the project must be
11.27	completed and final products delivered.
11.28 11.29	<u>(e) Expanding River Watch Program on the Minnesota River With High School Teams</u>
11.30	\$100,000 the second year is from the trust
11.31	fund to the commissioner of natural resources
11.32	for an agreement with Friends of the
11.33	Minnesota Valley to expand a River Watch

11.35 <u>least 15 additional teams of high school</u>

	02/09/10 REVISOR CRIMIND
12.1	students in monthly monitoring and reporting
12.2	of water quality.
12.3 12.4	(f) Increase Diversity in Environmental Careers to Serve Minnesota's Changing Demographics
12.5	\$750,000 the second year is from the trust
12.6	fund to the commissioner of natural resources
12.7	in cooperation with Conservation Corps
12.8	Minnesota and Iowa to provide a
12.9	college-to-work pathway for students of
12.10	diversity to pursue natural resources careers
12.11	through internships and mentorships with state
12.12	agencies. This appropriation is available until
12.13	June 30, 2023, by which time the project must
12.14	be completed and final products delivered.
12.15 12.16	(g) Pollinator Ambassadors Program for Gardens
12.17	\$250,000 the second year is from the trust
12.18	fund to the Board of Regents of the University
12.19	of Minnesota to increase knowledge of
12.20	pollinators in gardens and yards and improve
12.21	pollinator habitat by expanding outreach,
12.22	training, and tools for Minnesota communities
12.23	as part of the Pollinator Ambassadors program.
12.24	This appropriation is available until June 30,
12.25	2021, by which time the project must be
12.26	completed and final products delivered.
12.27 12.28	(h) Morris Prairie Pollinator Demonstration Area and Education
12.29	\$550,000 the second year is from the trust
12.30	fund to the Board of Regents of the University
12.31	of Minnesota for the West Central Research
12.32	and Outreach Center at Morris to restore 17
12.33	acres of native prairie for pollinators and to
12.34	construct wayside shelters and kiosks along
12.35	an existing trail to provide information to
12.36	visitors on the importance of pollinators and

13.1	native prairie ecosystems. This appropriation
13.2	is available until June 30, 2021, by which time
13.3	the project must be completed and final
13.4	products delivered.
13.5 13.6 13.7	(i) Expanding Nature Knowledge and Experience with New Interactive Exhibits at North Mississippi Regional Park
13.8	\$500,000 the second year is from the trust
13.9	fund to the commissioner of natural resources
13.10	for an agreement with the Minneapolis Park
13.11	and Recreation Board to develop new
13.12	interactive exhibits at North Mississippi
13.13	Regional Park to encourage the approximately
13.14	326,000 annual visitors to better understand
13.15	and explore the river and surrounding natural
13.16	area.
13.17	(j) Update International Wolf Center Exhibits
13.18	\$1,000,000 the second year is from the trust
13.19	fund to the commissioner of natural resources
13.20	for an agreement with the International Wolf
13.21	Center to design, construct, and install new
13.22	interactive educational exhibits to help
13.23	Minnesotans understand coexistence with the
13.24	state's wolf populations and ongoing wolf-
13.25	management efforts.
13.26 13.27	(k) Expanding the State's Reuse Economy to Conserve Natural Resources
13.28	\$275,000 the second year is from the trust
13.29	fund to the commissioner of natural resources
13.30	for an agreement with ReUSE Minnesota to
13.31	provide outreach and technical assistance to
13.32	communities and small businesses to create
13.33	and expand opportunities for reusing, renting,

- 13.34 and repairing consumer goods as an alternative
- 13.35 to using new materials so solid-waste disposal

	02/09/18	REVISOR	CKM/NB	18-5224	as introduced
14.1	and its impac	ts are measurably	v reduced and		
14.2		use jobs are creat			
14.3			and Recycling Jobs		
14.4	<u>Program</u>	internais iteuse (
14.5	<u>\$665,000 the</u>	second year is fr	om the trust		
14.6	fund to the co	ommissioner of na	atural resources		
14.7	for an agreem	nent with Better I	Futures		
14.8	Minnesota, in	cooperation with	n the Northwest		
14.9	Indian Comm	unity Developme	ent Corporation,		
14.10	and \$135,000	the second year	is from the trust		
14.11	fund to the Bo	oard of Regents of	f the University		
14.12	of Minnesota	for the Natural F	Resources		
14.13	Research Inst	titute in Duluth to	o expand		
14.14	building deco	onstruction and m	naterial-reuse		
14.15	practices and	jobs in partnershi	p with counties,		
14.16	tribes, and m	unicipalities state	ewide and to		
14.17	document the	e environmental,	health, and		
14.18	economic ber	nefits of these pra	actices.		
14.19	Subd. 6. Aqua	atic and Terrestr	ial Invasive Species	<u>-0-</u>	5,760,000
14.20 14.21	<u>(a) Minnesot</u> Pests Center		estrial Plants and		
14.22	<u>\$3,500,000 tł</u>	ne second year is	from the trust		
14.23	fund to the Bo	oard of Regents of	f the University		
14.24	of Minnesota	for high-priority	research at the		
14.25	Invasive Terr	estrial Plants and	Pests Center		
14.26	to protect Mir	nnesota's natural a	and agricultural		
14.27	resources from	m terrestrial inva	sive plants,		
14.28	pathogens, an	nd pests as identif	ied through the		
14.29	center's strate	egic prioritization	process. This		
14.30	appropriation	is available until	June 30, 2023,		
14.31	by which tim	e the project mus	st be completed		
14.32	and final proc	ducts delivered.			
14.33	~ /		on and Eradication		
14.34	Continuation	<u>n</u>			
14.35	\$431,000 the	second year is fr	om the trust		
14.36	fund to the co	ommissioner of a	griculture to		

15.1	continue to monitor, ground survey, and
15.2	control Palmer amaranth primarily in
15.3	conservation plantings and to develop and
15.4	implement aerial-survey methods to prevent
15.5	infestation and protect prairies, other natural
15.6	areas, and agricultural crops.
15.7 15.8	<u>(c) Evaluate Control Methods for Invasive</u> <u>Hybrid Cattails</u>
15.9	\$131,000 the second year is from the trust
15.10	fund to the commissioner of natural resources
15.11	for an agreement with Voyageurs National
15.12	Park to evaluate the effectiveness of
15.13	mechanical harvesting and managing muskrat
15.14	populations to remove exotic hybrid cattails
15.15	and restore fish and wildlife habitat in
15.16	Minnesota wetlands. This appropriation is
15.17	available until June 30, 2021, by which time
15.18	the project must be completed and final
15.19	products delivered.
15.20 15.21	(d) Developing RNA Interference to Control Zebra Mussels
15.22	\$500,000 the second year is from the trust
15.23	fund to the commissioner of natural resources
15.24	for an agreement with the United States
15.25	Geological Survey to develop a genetic control
15.26	tool that exploits the natural process of RNA
15.27	silencing to specifically target and effectively
15.28	control zebra mussels without affecting other
15.29	species or causing other nontarget effects. This
15.30	appropriation is available until June 30, 2021,
15.31	by which time the project must be completed
15.32	and final products delivered.
15.33 15.34	(e) Install and Evaluate an Invasive Carp Deterrent for Mississippi River Locks and Dams

- 15.35 **\$998,000** the second year is from the trust
- 15.36 <u>fund to the Board of Regents of the University</u>

1,200,000

-0-

16.1	of Minnesota in cooperation with the United
16.2	States Army Corps of Engineers and the
16.3	United States Fish and Wildlife Service to
16.4	install, evaluate, and optimize a system in
16.5	Mississippi River locks and dams to deter
16.6	passage of invasive carp without negatively
16.7	impacting native fish and to evaluate the
16.8	ability of predator fish in the pools above the
16.9	locks and dams to consume young carp. The
16.10	project must conduct a cost comparison of
16.11	equipment purchase versus lease options and
16.12	choose the most effective option. This
16.13	appropriation is available until June 30, 2021,
16.14	by which time the project must be completed
16.15	and final products delivered.
16.16	(f) Determining Risk of Toxic Alga in Minnesota
16.17	Lakes
16.18	\$200,000 the second year is from the trust
16.19	fund to the Science Museum of Minnesota for
16.20	the St. Croix Watershed Research Station to
16.21	determine the historical distribution,
16.22	abundance, and toxicity of the invasive
16.23	blue-green alga, Cylindrospermopsis
16.24	raciborskii, in about 20 lakes across Minnesota
16.25	and inform managers and the public about the
16.26	alga's spread and health risks. This
16.27	appropriation is available until June 30, 2021,
16.28	by which time the project must be completed
16.29	and final products delivered.
16.30	Subd. 7. Air Quality and Renewable Energy
16.31 16.32	(a) Develop Solar Window Concentrators for Electricity
16.33	\$350,000 the second year is from the trust
16.33 16.34	\$350,000 the second year is from the trust fund to the Board of Regents of the University
16.34	fund to the Board of Regents of the University

16

17.1	solar window concentrators in order to
17.2	produce inexpensive, clean energy and reduce
17.3	air pollution. This appropriation is subject to
17.4	Minnesota Statutes, section 116P.10. This
17.5	appropriation is available until June 30, 2021,
17.6	by which time the project must be completed
17.7	and final products delivered.
17.8 17.9	(b) Demonstrations for Community-Scale Storage Systems for Renewable Energy
17.10	\$550,000 the second year is from the trust
17.11	fund to the Board of Regents of the University
17.12	of Minnesota to install, demonstrate, and
17.13	evaluate three community-scale storage
17.14	systems for renewable energy and develop a
17.15	guidebook on storing renewable energy for
17.16	statewide use. This appropriation is available
17.17	until June 30, 2021, by which time the project
17.18	must be completed and final products
17.19	delivered.
17.20 17.21	(c) Develop Inexpensive Energy from Simple Roll-to-Roll Manufacturing
17.22	\$300,000 the second year is from the trust
17.23	fund to the Board of Regents of the University
17.24	of Minnesota to develop inexpensive,
17.25	high-efficiency solar energy with simple
17.26	roll-to-roll advanced manufacturing
17.27	technology, using new materials such as
17.28	perovskite to make solar cells. This
17.29	appropriation is subject to Minnesota Statutes,
17.30	section 116P.10. This appropriation is
17.31	available until June 30, 2021, by which time
17.32	the project must be completed and final
17.33	products delivered.
17.34 17.35	Subd. 8. Methods to Protect or Restore Land, Water, and Habitat

- 17.36 (a) Nongame Wildlife Program Acceleration
- <u>-0-</u> <u>3,119,000</u>

- \$1,000,000 the second year is from the trust 18.1 fund to the commissioner of natural resources 18.2 18.3 to accelerate the nongame wildlife program including rare wildlife data collection, habitat 18.4 management, collaborative land protection, 18.5 conservation education, and a new emphasis 18.6 on promoting nature tourism to benefit 18.7 18.8 wildlife, visitors, and rural communities. (b) Develop Biomulch to Replace Plastic Soil 18.9 **Covering in Vegetable and Fruit Production to** 18.10 **Increase Yield and Reduce Waste** 18.11 \$310,000 the second year is from the trust 18.12 fund to the Board of Regents of the University 18.13 of Minnesota to develop and test the 18.14 18.15 performance of biodegradable biomulch to 18.16 increase yield, conserve water, suppress weeds and pests, add nutrients to the soil, and replace 18.17 large amounts of nonrecyclable and 18.18 nondegradable plastic used in vegetable and 18.19 fruit production. This appropriation is 18.20 available until June 30, 2021, by which time 18.21 the project must be completed and final 18.22 products delivered. 18.23 (c) Develop Market-Based Alternatives for 18.24 Perennial Crops to Benefit Water Quality and 18.25 Wildlife 18.26 \$150,000 the second year is from the trust 18.27 18.28 fund to the Science Museum of Minnesota for the St. Croix Watershed Research Station to 18.29 design and evaluate at least six market-based 18.30 scenarios for perennial cropping systems in 18.31 Minnesota, including technological and 18.32
- 18.33 economic feasibility, and estimate their
- 18.34 potential to improve water quality and provide
- 18.35 wildlife habitat. This appropriation is available
- 18.36 until June 30, 2021, by which time the project

19.1	must be completed and final products
19.2	delivered.
19.3 19.4	(d) Agricultural Weed Control Using Autonomous Mowers
19.5	\$550,000 the second year is from the trust
19.6	fund to the Board of Regents of the University
19.7	of Minnesota for the West Central Research
19.8	and Outreach Center at Morris to design,
19.9	integrate, and field-test an autonomous pasture
19.10	mower and solar charging station to control
19.11	weeds, reduce herbicide use, reduce energy
19.12	costs, and improve native vegetation and
19.13	forage quality on agricultural lands. This
19.14	appropriation is subject to Minnesota Statutes,
19.15	section 116P.10. This appropriation is
19.16	available until June 30, 2021, by which time
19.17	the project must be completed and final
19.18	products delivered.
19.19	(e) Restoring Forests in Minnesota State Parks
19.20	\$250,000 the second year is from the trust
19.21	fund to the commissioner of natural resources
19.22	to restore at least 255 acres of high-quality
19.23	forests in state parks such as Itasca, Jay Cooke,
19.24	and Forestville Mystery Cave State Parks and
19.25	Greenleaf Lake State Recreation Area. This
19.26	appropriation is available until June 30, 2023,
19.27	by which time the project must be completed
19.28	and final products delivered.
19.29 19.30 19.31	(f) Develop Strategies for Timber Harvest to Minimize Soil Impacts to Maintain Healthy and Diverse Forests
19.32	\$200,000 the second year is from the trust
19.33	fund to the Board of Regents of the University
19.34	of Minnesota to develop strategies and
19.35	practical tools to minimize soil compaction

19.36 and other impacts across a range of conditions

20.1	during timber harvest to maintain timber
20.2	availability, improve regeneration of diverse
20.3	forests, and benefit wildlife habitat. This
20.4	appropriation is available until June 30, 2022,
20.5	by which time the project must be completed
20.6	and final products delivered.
20.7 20.8	<u>(g) Restoring Wetland Invertebrates to Revive</u> <u>Wildlife Habitat</u>
20.9	\$400,000 the second year is from the trust
20.10	fund to the commissioner of natural resources
20.11	to assess invertebrate amphipods in wetlands
20.12	and explore stocking them as a valuable food
20.13	source for ducks and other wildlife in the
20.14	Prairie Pothole Region of the state. This
20.15	appropriation is available until June 30, 2021,
20.16	by which time the project must be completed
20.17	and final products delivered.
20.18 20.19	<u>(h) Preserving Minnesota's Native Orchids -</u> <u>Phase 2</u>
20.20	\$259,000 the second year is from the trust
20.21	fund to the Board of Regents of the University
20.22	of Minnesota for the Minnesota Landscape
	of Minnesola for the Minnesola Landscape
20.23	Arboretum to expand collection and
20.23 20.24	i
	Arboretum to expand collection and
20.24	Arboretum to expand collection and preservation efforts to enable long-term
20.24 20.25	Arboretum to expand collection and preservation efforts to enable long-term conservation of at least 25 of the 48 native
20.24 20.25 20.26	Arboretum to expand collection and preservation efforts to enable long-term conservation of at least 25 of the 48 native orchid species in Minnesota and to continue
20.24 20.25 20.26 20.27	Arboretum to expand collection and preservation efforts to enable long-term conservation of at least 25 of the 48 native orchid species in Minnesota and to continue propagation and cultivation research. This
20.24 20.25 20.26 20.27 20.28	Arboretum to expand collection and preservation efforts to enable long-term conservation of at least 25 of the 48 native orchid species in Minnesota and to continue propagation and cultivation research. This appropriation is available until June 30, 2021,
20.24 20.25 20.26 20.27 20.28 20.29	Arboretum to expand collection and preservation efforts to enable long-term conservation of at least 25 of the 48 native orchid species in Minnesota and to continue propagation and cultivation research. This appropriation is available until June 30, 2021, by which time the project must be completed
20.24 20.25 20.26 20.27 20.28 20.29 20.30 20.31	Arboretum to expand collection and preservation efforts to enable long-term conservation of at least 25 of the 48 native orchid species in Minnesota and to continue propagation and cultivation research. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered. Subd. 9. Land Acquisition, Habitat, and
20.24 20.25 20.26 20.27 20.28 20.29 20.30 20.31 20.32 20.33	Arboretum to expand collection andpreservation efforts to enable long-termconservation of at least 25 of the 48 nativeorchid species in Minnesota and to continuepropagation and cultivation research. Thisappropriation is available until June 30, 2021,by which time the project must be completedand final products delivered.Subd. 9. Land Acquisition, Habitat, andRecreation

<u>-0-</u> <u>17,439,000</u>

to solicit, rank, and fund competitive matching 21.1 grants for local parks, trail connections, and 21.2 21.3 natural and scenic areas under Minnesota Statutes, section 85.019. The appropriation is 21.4 for local nature-based recreation and 21.5 connections to regional and state natural areas 21.6 and recreation facilities and does not include 21.7 21.8 athletic facilities such as sport fields, courts, 21.9 and playgrounds. This appropriation is available until June 30, 2021, by which time 21.10 the project must be completed and final 21.11 products delivered. 21.12 (b) Develop Mesabi Trail Segment From County 21.13 21.14 Road 88 to Ely \$600,000 the second year is from the trust 21.15 fund to the commissioner of natural resources 21.16 for an agreement with the St. Louis and Lake 21.17 21.18 Counties Regional Railroad Authority for 21.19 environmental assessment, permitting, right-of-way easements or other acquisition 21.20 as needed, engineering, and construction of 21.21 an approximately three-mile-long bituminous 21.22 surface section of the Mesabi Trail between 21.23 21.24 Ely and the intersection of Highway 169 and County Road 88. This appropriation is 21.25 available until June 30, 2022, by which time 21.26 the project must be completed and final 21.27 products delivered. 21.28 (c) Harmony State Trail Extension Land 21.29 Acquisition 21.30 \$235,000 the second year is from the trust 21.31 21.32 fund to the commissioner of natural resources 21.33 for an agreement with the city of Harmony to acquire fee title of about 16 parcels to allow 21.34 for the approximate six-mile extension of the 21.35 legislatively authorized state trail from 21.36

22.1	Harmony south to the Iowa state border with
22.2	a spur to Niagara Cave. The land must be
22.3	transferred to the state after it has been
22.4	purchased.
22.5 22.6	(d) Mississippi Blufflands State Trail - Red Wing Barn Bluff to Colvill Park Segment
22.7	\$550,000 the second year is from the trust
22.8	fund to the commissioner of natural resources
22.9	for an agreement with the city of Red Wing
22.10	to be used with other funds to construct an
22.11	approximate three-quarter-mile-long
22.12	hard-surfaced segment of the Mississippi
22.13	Blufflands State Trail along Red Wing's
22.14	Mississippi River riverfront from Barn Bluff
22.15	Regional Park to Colvill Park. This
22.16	appropriation is available until June 30, 2021,
22.17	by which time the project must be completed
22.18	and final products delivered.
22.19 22.20	<u>(e) Swedish Immigrant Regional Trail Segment</u> within Interstate State Park
22.21	\$2,254,000 the second year is from the trust
22.21 22.22	\$2,254,000 the second year is from the trust fund to the commissioner of natural resources
22.22	fund to the commissioner of natural resources
22.22 22.23	fund to the commissioner of natural resources for an agreement with Chisago County
22.22 22.23 22.24	fund to the commissioner of natural resources for an agreement with Chisago County Environmental Services to construct an
22.22 22.23 22.24 22.25	fund to the commissioner of natural resources for an agreement with Chisago County Environmental Services to construct an approximate one-half-mile regional county
 22.22 22.23 22.24 22.25 22.26 	fund to the commissioner of natural resources for an agreement with Chisago County Environmental Services to construct an approximate one-half-mile regional county trail segment within Interstate State Park from
 22.22 22.23 22.24 22.25 22.26 22.27 	fund to the commissioner of natural resources for an agreement with Chisago County Environmental Services to construct an approximate one-half-mile regional county trail segment within Interstate State Park from the end point of the existing trail at the park
 22.22 22.23 22.24 22.25 22.26 22.27 22.28 	fund to the commissioner of natural resources for an agreement with Chisago County Environmental Services to construct an approximate one-half-mile regional county trail segment within Interstate State Park from the end point of the existing trail at the park boundary to city hall including a trail bridge
 22.22 22.23 22.24 22.25 22.26 22.27 22.28 22.29 	fund to the commissioner of natural resources for an agreement with Chisago County Environmental Services to construct an approximate one-half-mile regional county trail segment within Interstate State Park from the end point of the existing trail at the park boundary to city hall including a trail bridge over the ravine and parking and trailhead
 22.22 22.23 22.24 22.25 22.26 22.27 22.28 22.29 22.30 	fund to the commissioner of natural resourcesfor an agreement with Chisago CountyEnvironmental Services to construct anapproximate one-half-mile regional countytrail segment within Interstate State Park fromthe end point of the existing trail at the parkboundary to city hall including a trail bridgeover the ravine and parking and trailheadimprovements and to conduct a natural and
22.22 22.23 22.24 22.25 22.26 22.27 22.28 22.29 22.30 22.31	fund to the commissioner of natural resources for an agreement with Chisago County Environmental Services to construct an approximate one-half-mile regional county trail segment within Interstate State Park from the end point of the existing trail at the park boundary to city hall including a trail bridge over the ravine and parking and trailhead improvements and to conduct a natural and cultural review to determine the feasibility and
22.22 22.23 22.24 22.25 22.26 22.27 22.28 22.29 22.30 22.31 22.32	fund to the commissioner of natural resourcesfor an agreement with Chisago CountyEnvironmental Services to construct anapproximate one-half-mile regional countytrail segment within Interstate State Park fromthe end point of the existing trail at the parkboundary to city hall including a trail bridgeover the ravine and parking and trailheadimprovements and to conduct a natural andcultural review to determine the feasibility androute of a future section of the trail through

22.36 (f) Enhancement Plan for Superior Hiking Trail

23.1	\$100,000 the second year is from the trust
23.2	fund to the commissioner of natural resources
23.3	for an agreement with the Superior Hiking
23.4	Trail Association to evaluate improvements
23.5	to the 310-mile-long Superior Hiking Trail
23.6	including routing, safety, water management,
23.7	maintenance, and other environmental,
23.8	recreational, and design issues and to develop
23.9	an interactive trail-management system to
23.10	capture efficiencies and best management
23.11	practices.
23.12 23.13 23.14	(g) Protecting Mississippi River Headwaters Lands through Local, State, and Federal Partnership
23.15	\$700,000 the second year is from the trust
23.16	fund to the commissioner of natural resources
23.17	for an agreement with the city of Baxter, in
23.18	cooperation with Brainerd Public Schools and
23.19	the Camp Ripley Sentinel Landscape Program,
23.20	to acquire about 200 acres of forested land on
23.21	the upper Mississippi River adjacent to
23.22	Mississippi River Overlook Park for multiple
23.23	public benefits, including being an outdoor
23.24	classroom for local schools. To be eligible for
23.25	reimbursement, costs for real estate
23.26	transactions must be specific to this acquisition
23.27	and documented as required in subdivision 15,
23.28	paragraph (k).
23.29	(h) Protecting North-Central Minnesota Lakes
23.30	\$750,000 the second year is from the trust
23.31	fund to the commissioner of natural resources
23.32	for an agreement with the Crow Wing County
23.33	Soil and Water Conservation District to
23.34	increase watershed protection to maintain and
23.35	improve water quality in lakes and rivers in
23.36	Aitkin and Crow Wing Counties with about

24.1	ten permanent RIM conservation easements
24.2	and 12 forest stewardship plans and by
24.3	implementing six best management practices.
24.4	(i) Easement Program for Native Prairie Bank
24.5	\$2,000,000 the second year is from the trust
24.6	fund to the commissioner of natural resources
24.7	to provide technical stewardship assistance to
24.8	private landowners, restore and enhance about
24.9	270 acres of native prairie protected by
24.10	easements in the native prairie bank, and
24.11	acquire easements for the native prairie bank
24.12	in accordance with Minnesota Statutes, section
24.13	84.96, on about 275 acres, including preparing
24.14	initial baseline property assessments. About
24.15	\$120,000 of this appropriation may be
24.16	deposited in the natural resources conservation
24.17	easement stewardship account, created in
24.18	Minnesota Statutes, section 84.69, proportional
24.19	to the number of easement acres acquired. A
24.20	list of proposed easement acquisitions and
24.21	restoration sites for the native prairie bank are
24.22	required in the work plan. This appropriation
24.23	is available until June 30, 2021, by which time
24.24	the project must be completed and final
24.25	products delivered.
24.26	<u>(j) Minnesota State Trail Development</u>
24.27	\$2,500,000 the second year is from the trust
24.28	fund to the commissioner of natural resources
24.29	to expand high-priority recreational
24.30	opportunities on Minnesota's state trails by
24.31	developing new trail segments and
24.32	rehabilitating, improving, and enhancing
24.33	existing state trails. High-priority trail
24.34	segments to develop and enhance include but

25.1	Paul Bunyan, and Heartland State Trails. A
25.2	proposed list of trail projects on legislatively
25.3	authorized state trails is required in the work
25.4	plan. This appropriation is available until June
25.5	30, 2021, by which time the project must be
25.6	completed and final products delivered.
25.7	(k) Minnesota State Parks and State Trails
25.8	\$2,500,000 the second year is from the trust
25.9	fund to the commissioner of natural resources
25.10	to acquire about 163 acres of high-priority
25.11	inholdings from willing sellers within the
25.12	legislatively authorized boundaries of state
25.13	parks and trails in order to protect Minnesota's
25.14	natural heritage, enhance outdoor recreational
25.15	opportunities, and improve the efficiency of
25.16	public land management. Priorities include
25.17	but are not limited to Tettegouche, Sibley, and
25.18	Minneopa State Parks and the Goodhue
25.19	Pioneer State Trail. A list of proposed
25.20	acquisitions is required in the work plan. This
25.21	appropriation is available until June 30, 2021,
25.22	by which time the project must be completed
25.23	and final products delivered.
25.24	(l) Scientific and Natural Areas Program
25.25	\$3,250,000 the second year is from the trust
25.26	fund to the commissioner of natural resources
25.27	for the scientific and natural areas program.
25.28	Of this amount, \$1,500,000 is for habitat
25.29	restoration activities, \$500,000 is for scientific
25.30	and natural areas public engagement and
25.31	outreach, and \$1,250,000 is to acquire strategic
25.32	high-quality lands that meet criteria for
25.33	scientific and natural areas under Minnesota
25.34	Statutes, section 86A.05, from willing sellers
25.35	in southern Minnesota. For each acre acquired

439,000

26.1	with this appropriation, the Department of	
26.2	Natural Resources must document that the	
26.3	department has sold an acre of state land. If	
26.4	these acquisition requirements cannot be met,	
26.5	the appropriation may be used for scientific	
26.6	and natural areas restoration. A list of	
26.7	proposed acquisitions and restorations is	
26.8	required in the work plan. This appropriation	
26.9	is available until June 30, 2021, by which time	
26.10	the project must be completed and final	
26.11	products delivered.	
26.12	Subd. 10. Emerging Issues Account	<u>-0-</u>
26.13	\$439,000 the second year is from the trust	
26.14	fund to an emerging issues account authorized	
26.15	in Minnesota Statutes, section 116P.08,	
26.16	subdivision 4, paragraph (d).	
26.17 26.18	Subd. 11. Wastewater Treatment Recommendations	
20.10	Recommendations	
26.19	(a) Wastewater Treatment System Grants	
26.19	(a) Wastewater Treatment System Grants	
26.20	Until June 30, 2021, the Legislative-Citizen	
26.20 26.21	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must	
26.20 26.21 26.22	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up to \$10,000,000 of	
26.20 26.21 26.22 26.23	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up to \$10,000,000 of the available money from the trust fund to	
 26.20 26.21 26.22 26.23 26.24 	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up to \$10,000,000 of the available money from the trust fund to match appropriations from the bond proceeds	
 26.20 26.21 26.22 26.23 26.24 26.25 	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up to \$10,000,000 of the available money from the trust fund to match appropriations from the bond proceeds fund for wastewater infrastructure funding that	
 26.20 26.21 26.22 26.23 26.24 26.25 26.26 	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up to \$10,000,000 of the available money from the trust fund to match appropriations from the bond proceeds fund for wastewater infrastructure funding that exceed \$10,000,000 per year for expenditure	
 26.20 26.21 26.22 26.23 26.24 26.25 26.26 26.26 26.27 	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up to \$10,000,000 of the available money from the trust fund to match appropriations from the bond proceeds fund for wastewater infrastructure funding that exceed \$10,000,000 per year for expenditure by the Public Facilities Authority for	
 26.20 26.21 26.22 26.23 26.24 26.25 26.26 26.27 26.28 	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up to \$10,000,000 of the available money from the trust fund to match appropriations from the bond proceeds fund for wastewater infrastructure funding that exceed \$10,000,000 per year for expenditure by the Public Facilities Authority for wastewater treatment grants to home rule	
 26.20 26.21 26.22 26.23 26.24 26.25 26.26 26.26 26.27 26.28 26.29 	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up to \$10,000,000 of the available money from the trust fund to match appropriations from the bond proceeds fund for wastewater infrastructure funding that exceed \$10,000,000 per year for expenditure by the Public Facilities Authority for wastewater treatment grants to home rule charter and statutory cities and towns with a	
26.20 26.21 26.22 26.23 26.24 26.25 26.26 26.26 26.27 26.28 26.29 26.30	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up to \$10,000,000 of the available money from the trust fund to match appropriations from the bond proceeds fund for wastewater infrastructure funding that exceed \$10,000,000 per year for expenditure by the Public Facilities Authority for wastewater treatment grants to home rule charter and statutory cities and towns with a population under 5,000. The grants must be	
26.20 26.21 26.22 26.23 26.24 26.25 26.26 26.27 26.28 26.29 26.30 26.31	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up to \$10,000,000 of the available money from the trust fund to match appropriations from the bond proceeds fund for wastewater infrastructure funding that exceed \$10,000,000 per year for expenditure by the Public Facilities Authority for wastewater treatment grants to home rule charter and statutory cities and towns with a population under 5,000. The grants must be issued under Minnesota Statutes, sections	
26.20 26.21 26.22 26.23 26.24 26.25 26.26 26.27 26.28 26.29 26.30 26.31 26.32	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up to \$10,000,000 of the available money from the trust fund to match appropriations from the bond proceeds fund for wastewater infrastructure funding that exceed \$10,000,000 per year for expenditure by the Public Facilities Authority for wastewater treatment grants to home rule charter and statutory cities and towns with a population under 5,000. The grants must be issued under Minnesota Statutes, sections 446A.072 and 446A.073. The	
26.20 26.21 26.22 26.23 26.24 26.25 26.26 26.27 26.28 26.29 26.30 26.31 26.32 26.33	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up to \$10,000,000 of the available money from the trust fund to match appropriations from the bond proceeds fund for wastewater infrastructure funding that exceed \$10,000,000 per year for expenditure by the Public Facilities Authority for wastewater treatment grants to home rule charter and statutory cities and towns with a population under 5,000. The grants must be issued under Minnesota Statutes, sections 446A.072 and 446A.073. The recommendations may include a technical	
26.20 26.21 26.22 26.23 26.24 26.25 26.26 26.27 26.28 26.29 26.30 26.31 26.32 26.33 26.33	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up to \$10,000,000 of the available money from the trust fund to match appropriations from the bond proceeds fund for wastewater infrastructure funding that exceed \$10,000,000 per year for expenditure by the Public Facilities Authority for wastewater treatment grants to home rule charter and statutory cities and towns with a population under 5,000. The grants must be issued under Minnesota Statutes, sections 446A.072 and 446A.073. The recommendations may include a technical assistance program for recipients eligible	
26.20 26.21 26.22 26.23 26.24 26.25 26.26 26.27 26.28 26.29 26.30 26.31 26.32 26.33	Until June 30, 2021, the Legislative-Citizen Commission on Minnesota Resources must consider recommending up to \$10,000,000 of the available money from the trust fund to match appropriations from the bond proceeds fund for wastewater infrastructure funding that exceed \$10,000,000 per year for expenditure by the Public Facilities Authority for wastewater treatment grants to home rule charter and statutory cities and towns with a population under 5,000. The grants must be issued under Minnesota Statutes, sections 446A.072 and 446A.073. The recommendations may include a technical	

	02/09/18	REVISOR	CKM/NB	18-5224	as introduced
27.1	work with the	e Public Facilities	Authority in		
27.2		s recommendation			
27.3		ter Treatment S			
27.4	The commiss	ion must consider	recommending		
27.5	up to five per	ccent of the corpu	s of the trust		
27.6	fund for loan	s to the Public Fa	cilities		
27.7	Authority to	issue loans under	Minnesota		
27.8	Statutes, secti	on 446A.07, to ho	me rule charter		
27.9	and statutory	cities and towns	with a		
27.10	population un	nder 5,000.			
27.11 27.12	<u>(c) Work Pro</u> <u>Report</u>	ogram and Semi	annual Progress		
27.13	The work pla	in required under	Minnesota		
27.14	Statutes, sect	ion 116P.05, subd	livision 2 <u>,</u>		
27.15	paragraph (b)), must consist of	lists showing		
27.16	the fundable	ranges for grants	and loans		
27.17	pursuant to the	nis subdivision.			
27.18	<u>Subd. 12.</u> Co	ntract Agreeme	nt Reimbursement	<u>-0-</u>	135,000
27.19	\$135,000 the	second year is from	om the trust		
27.20		mmissioner of nat	tural resources,		
	fund to the co				
27.21		on of the Legislati	ive-Citizen		
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28.1	appropriated in this section must not be spent
28.2	on indirect costs or other institutional overhead
28.3	charges that are not directly related to and
28.4	necessary for a specific appropriation. Costs
28.5	that are directly related to and necessary for
28.6	an appropriation, including financial services,
28.7	human resources, information services, rent,
28.8	and utilities, are eligible only if the costs can
28.9	be clearly justified and individually
28.10	documented specific to the appropriation's
28.11	purpose and would not be generated by the
28.12	recipient but for receipt of the appropriation.
28.13	No broad allocations for costs in either dollars
28.14	or percentages are allowed. Unless otherwise
28.15	provided, the amounts in this section are
28.16	available until June 30, 2020, when projects
28.17	must be completed and final products
28.18	delivered. For acquisition of real property, the
28.19	appropriations in this section are available for
28.20	an additional fiscal year if a binding contract
28.21	for acquisition of the real property is entered
28.22	into before the expiration date of the
28.23	appropriation. If a project receives a federal
28.24	grant, the period of the appropriation is
28.25	extended to equal the federal grant period.
28.26	Subd. 14. Data Availability Requirements
28.27	Data collected by the projects funded under
28.28	this section must conform to guidelines and
28.29	standards adopted by the Office of MN.IT
28.30	Services. Spatial data must also conform to
28.31	additional guidelines and standards designed
28.32	to support data coordination and distribution
28.33	that have been published by the Minnesota
28.34	Geospatial Information Office. Descriptions
28.35	of spatial data must be prepared as specified
28.36	in the state's geographic metadata guideline

29.1	and must be submitted to the Minnesota
29.2	Geospatial Information Office. All data must
29.3	be accessible and free to the public unless
29.4	made private under the Data Practices Act,
29.5	Minnesota Statutes, chapter 13. To the extent
29.6	practicable, summary data and results of
29.7	projects funded under this section should be
29.8	readily accessible on the Internet and
29.9	identified as having received funding from the
29.10	environment and natural resources trust fund.
29.11	Subd. 15. Project Requirements
29.12	(a) As a condition of accepting an
29.13	appropriation under this section, an agency or
29.14	entity receiving an appropriation or a party to
29.15	an agreement from an appropriation must
29.16	comply with paragraphs (b) to (l) and
29.17	Minnesota Statutes, chapter 116P, and must
29.18	submit a work plan and annual or semiannual
29.19	progress reports in the form determined by the
29.20	Legislative-Citizen Commission on Minnesota
29.21	Resources for any project funded in whole or
29.22	in part with funds from the appropriation.
29.23	Modifications to the approved work plan and
29.24	budget expenditures must be made through
29.25	the amendment process established by the
29.26	Legislative-Citizen Commission on Minnesota
29.27	Resources.
29.28	(b) A recipient of money appropriated in this
29.29	section that conducts a restoration using funds
29.30	appropriated in this section must use native
29.31	plant species according to the Board of Water
29.32	and Soil Resources' native vegetation
29.33	establishment and enhancement guidelines
29.34	and include an appropriate diversity of native
29.35	species selected to provide habitat for

30.1	pollinators throughout the growing season as
30.2	required under Minnesota Statutes, section
30.3	<u>84.973.</u>
30.4	(c) For all restorations conducted with money
30.5	appropriated under this section, a recipient
30.6	must prepare an ecological restoration and
30.7	management plan that, to the degree
30.8	practicable, is consistent with the
30.9	highest-quality conservation and ecological
30.10	goals for the restoration site. Consideration
30.11	should be given to soil, geology, topography,
30.12	and other relevant factors that would provide
30.13	the best chance for long-term success and
30.14	durability of the restoration project. The plan
30.15	must include the proposed timetable for
30.16	implementing the restoration, including site
30.17	preparation, establishment of diverse plant
30.18	species, maintenance, and additional
30.19	enhancement to establish the restoration;
30.20	identify long-term maintenance and
30.21	management needs of the restoration and how
30.22	the maintenance, management, and
30.23	enhancement will be financed; and take
30.24	advantage of the best-available science and
30.25	include innovative techniques to achieve the
30.26	best restoration.
30.27	(d) An entity receiving an appropriation in this
30.28	section for restoration activities must provide
30.29	an initial restoration evaluation at the
30.30	completion of the appropriation and an
30.31	evaluation three years after the completion of
30.32	the expenditure. Restorations must be
30.33	evaluated relative to the stated goals and
30.34	standards in the restoration plan, current

30.35 science, and, when applicable, the Board of

31.1	Water and Soil Resources' native vegetation
31.2	establishment and enhancement guidelines.
31.3	The evaluation must determine whether the
31.4	restorations are meeting planned goals,
31.5	identify any problems with implementing the
31.6	restorations, and, if necessary, give
31.7	recommendations on improving restorations.
31.8	The evaluation must be focused on improving
31.9	future restorations.
31.10	(e) All restoration and enhancement projects
31.11	funded with money appropriated in this section
31.12	must be on land permanently protected by a
31.13	conservation easement or public ownership.
31.14	(f) A recipient of money from an appropriation
31.15	under this section must give consideration to
31.16	contracting with Conservation Corps
31.17	Minnesota for contract restoration and
31.18	enhancement services.
31.19	(g) All conservation easements acquired with
31.20	money appropriated under this section must:
31.21	(1) be permanent;
31.22	(2) specify the parties to an easement in the
31.23	easement;
31.24	(3) specify all the provisions of an agreement
31.25	that are permanent;
31.26	(4) be sent to the Legislative-Citizen
31.27	Commission on Minnesota Resources in an
31.28	electronic format at least ten business days
31.29	before closing;
31.30	(5) include a long-term monitoring and
31.31	enforcement plan and funding for monitoring
31.32	and enforcing the easement agreement; and

32.1	(6) include requirements in the easement
32.2	document to protect the quantity and quality
32.3	of groundwater and surface water through
32.4	specific activities such as keeping water on
32.5	the landscape, reducing nutrient and
32.6	contaminant loading, and not permitting
32.7	artificial hydrological modifications.
32.8	(h) For any acquisition of lands or interest in
32.9	lands, a recipient of money appropriated under
32.9	this section must not agree to pay more than
32.10	100 percent of the appraised value for a parcel
32.12	of land using this money to complete the
32.13	purchase, in part or in whole, except that up
32.14	to ten percent above the appraised value may
32.15	be allowed to complete the purchase, in part
32.16	or in whole, using this money if permission is
32.17	received in advance of the purchase from the
32.18	Legislative-Citizen Commission on Minnesota
32.19	Resources.
32.19 32.20	
	Resources.
32.20	Resources. (i) For any acquisition of land or interest in
32.20 32.21	Resources. (i) For any acquisition of land or interest in land, a recipient of money appropriated under
32.20 32.21 32.22	Resources. (i) For any acquisition of land or interest in land, a recipient of money appropriated under this section must give priority to high-quality
32.2032.2132.2232.23	Resources. (i) For any acquisition of land or interest in land, a recipient of money appropriated under this section must give priority to high-quality natural resources or conservation lands that
 32.20 32.21 32.22 32.23 32.24 	Resources. (i) For any acquisition of land or interest in land, a recipient of money appropriated under this section must give priority to high-quality natural resources or conservation lands that provide natural buffers to water resources.
 32.20 32.21 32.22 32.23 32.24 32.25 	Resources.(i) For any acquisition of land or interest in land, a recipient of money appropriated under this section must give priority to high-quality natural resources or conservation lands that provide natural buffers to water resources.(j) For new lands acquired with money
 32.20 32.21 32.22 32.23 32.24 32.25 32.26 	Resources.(i) For any acquisition of land or interest in land, a recipient of money appropriated under this section must give priority to high-quality natural resources or conservation lands that provide natural buffers to water resources.(j) For new lands acquired with money appropriated under this section, a recipient
 32.20 32.21 32.22 32.23 32.24 32.25 32.26 32.27 	Resources.(i) For any acquisition of land or interest in land, a recipient of money appropriated under this section must give priority to high-quality natural resources or conservation lands that provide natural buffers to water resources.(j) For new lands acquired with money appropriated under this section, a recipient must prepare an ecological restoration and
 32.20 32.21 32.22 32.23 32.24 32.25 32.26 32.27 32.28 	Resources.(i) For any acquisition of land or interest in land, a recipient of money appropriated under this section must give priority to high-quality natural resources or conservation lands that provide natural buffers to water resources.(j) For new lands acquired with money appropriated under this section, a recipient must prepare an ecological restoration and management plan in compliance with
 32.20 32.21 32.22 32.23 32.24 32.25 32.26 32.27 32.28 32.29 	Resources.(i) For any acquisition of land or interest in land, a recipient of money appropriated under this section must give priority to high-quality natural resources or conservation lands that provide natural buffers to water resources.(j) For new lands acquired with money appropriated under this section, a recipient must prepare an ecological restoration and management plan in compliance with paragraph (c), including sufficient funding for
 32.20 32.21 32.22 32.23 32.24 32.25 32.26 32.27 32.28 32.29 32.30 	Resources.(i) For any acquisition of land or interest in land, a recipient of money appropriated under this section must give priority to high-quality natural resources or conservation lands that provide natural buffers to water resources.(j) For new lands acquired with money appropriated under this section, a recipient must prepare an ecological restoration and management plan in compliance with paragraph (c), including sufficient funding for implementation unless the work plan addresses
 32.20 32.21 32.22 32.23 32.24 32.25 32.26 32.27 32.28 32.29 32.30 32.31 	Resources. (i) For any acquisition of land or interest in land, a recipient of money appropriated under this section must give priority to high-quality natural resources or conservation lands that provide natural buffers to water resources. (j) For new lands acquired with money appropriated under this section, a recipient must prepare an ecological restoration and management plan in compliance with paragraph (c), including sufficient funding for implementation unless the work plan addresses why a portion of the money is not necessary
 32.20 32.21 32.22 32.23 32.24 32.25 32.26 32.27 32.28 32.29 32.30 32.31 32.32 	Resources. (i) For any acquisition of land or interest in land, a recipient of money appropriated under this section must give priority to high-quality natural resources or conservation lands that provide natural buffers to water resources. (j) For new lands acquired with money appropriated under this section, a recipient must prepare an ecological restoration and management plan in compliance with paragraph (c), including sufficient funding for implementation unless the work plan addresses why a portion of the money is not necessary to achieve a high-quality restoration.

33.1	60 days of the transaction, provide to the
33.2	Legislative-Citizen Commission on Minnesota
33.3	Resources documentation of the selection
33.4	process used to identify parcels acquired and
33.5	provide documentation of all related
33.6	transaction costs, including but not limited to
33.7	appraisals, legal fees, recording fees,
33.8	commissions, other similar costs, and
33.9	donations. This information must be provided
33.10	for all parties involved in the transaction. The
33.11	recipient must also report to the
33.12	Legislative-Citizen Commission on Minnesota
33.13	Resources any difference between the
33.14	acquisition amount paid to the seller and the
33.15	state-certified or state-reviewed appraisal, if
33.16	a state-certified or state-reviewed appraisal
33.17	was conducted.
33.18	(1) A recipient of an appropriation from the
33.19	trust fund under this section must acknowledge
33.20	financial support from the environment and
33.21	natural resources trust fund in project
33.22	publications, signage, and other public
33.23	communications and outreach related to work
33.24	completed using the appropriation.
33.25	Acknowledgment may occur, as appropriate,
33.26	through use of the trust fund logo or inclusion
33.27	of language attributing support from the trust
33.28	fund. Each direct recipient of money
33.29	appropriated in this section, as well as each
33.30	recipient of a grant awarded pursuant to this
33.31	section, must satisfy all reporting and other
33.32	requirements incumbent upon constitutionally
33.33	dedicated funding recipients as provided in
33.34	Minnesota Statutes, section 3.303, subdivision
33.35	10, and Minnesota Statutes, chapter 116P.

34.1 34.2	<u>Subd. 16.</u> Payment Conditions and Capital-Equipment Expenditures
34.3	(a) All agreements, grants, or contracts
34.4	referred to in this section must be administered
34.5	on a reimbursement basis unless otherwise
34.6	provided in this section. Notwithstanding
34.7	Minnesota Statutes, section 16A.41,
34.8	expenditures made on or after July 1, 2018,
34.9	or the date the work plan is approved,
34.10	whichever is later, are eligible for
34.11	reimbursement unless otherwise provided in
34.12	this section. Periodic payments must be made
34.13	upon receiving documentation that the
34.14	deliverable items articulated in the approved
34.15	work plan have been achieved, including
34.16	partial achievements as evidenced by approved
34.17	progress reports. Reasonable amounts may be
34.18	advanced to projects to accommodate
34.19	cash-flow needs or match federal money. The
34.20	advances must be approved as part of the work
34.21	plan. No expenditures for capital equipment
34.22	are allowed unless expressly authorized in the
34.23	project work plan.
34.24	(b) Single-source contracts as specified in the
34.25	approved work plan are allowed.
34.26	Subd. 17. Purchasing Recycled and Recyclable
34.27	Materials
34.28	A political subdivision, public or private
34.29	corporation, or other entity that receives an
34.30	appropriation under this section must use the
34.31	appropriation in compliance with Minnesota
34.32	Statutes, section 16C.0725, regarding
34.33	purchasing recycled, repairable, and durable
34.34	materials and Minnesota Statutes, section

- 34.35 <u>16C.073</u>, regarding purchasing and using
- 34.36 paper stock and printing.

35.3A recipient to whom an appropriation is made35.4under this section for a capital improvement35.5project must ensure that the project complies35.6with the applicable energy conservation and35.7sustainable building guidelines and standards35.8contained in law, including Minnesota35.9Statutes, sections 16B.325, 216C.19, and35.10216C.20, and rules adopted under those35.11sections. The recipient may use the energy35.12planning, advocacy, and State Energy Office35.13units of the Department of Commerce to35.14obtain information and technical assistance35.15on energy conservation and alternative-energy35.16development relating to planning and35.17constructing the capital improvement project.35.18Subd. 19. Accessibility35.20meet the design standards in the Americans35.21with Disabilities Act (ADA) accessibility35.22guidelines.35.23Subd. 20. Carryforward; Extension35.24(a) The availability of the appropriations for35.25the following projects are extended to June35.2630, 2019:35.27(1) Laws 2014, chapter 226, section 2,35.30Unproductive Minelands;35.31(2) Laws 2014, chapter 226, section 2,35.32subdivision 7, paragraph (b), Metropolitan35.33Regional Park System Acquisition, as35.34extended by Laws 2017, chapter 96, section	35.1 35.2	Subd. 18. Energy Conservation and Sustainable Building Guidelines
35.5project must ensure that the project complies35.6with the applicable energy conservation and35.7sustainable building guidelines and standards35.8contained in law, including Minnesota35.9Statutes, sections 16B.325, 216C.19, and35.10216C.20, and rules adopted under those35.11sections. The recipient may use the energy35.12planning, advocacy, and State Energy Office35.13units of the Department of Commerce to35.14obtain information and technical assistance35.15on energy conservation and alternative-energy35.16development relating to planning and35.17constructing the capital improvement project.35.18Subd. 19. Accessibility35.20meet the design standards in the Americans35.21with Disabilities Act (ADA) accessibility35.22guidelines.35.23Subd. 20. Carryforward; Extension35.24(a) The availability of the appropriations for35.25the following projects are extended to June35.2630, 2019:35.27(1) Laws 2014, chapter 226, section 2,35.30Unproductive Minelands;35.31(2) Laws 2014, chapter 226, section 2,35.32subdivision 7, paragraph (b), Metropolitan35.33Regional Park System Acquisition, as	35.3	A recipient to whom an appropriation is made
 with the applicable energy conservation and sustainable building guidelines and standards contained in law, including Minnesota Statutes, sections 16B.325, 216C.19, and 216C.20, and rules adopted under those sections. The recipient may use the energy planning, advocacy, and State Energy Office units of the Department of Commerce to obtain information and technical assistance on energy conservation and alternative-energy development relating to planning and constructing the capital improvement project. Subd. 19. Accessibility Structural and nonstructural facilities must meet the design standards in the Americans with Disabilities Act (ADA) accessibility guidelines. Subd. 20. Carryforward; Extension (a) The availability of the appropriations for the following projects are extended to June 30, 2019: (1) Laws 2014, chapter 226, section 2, subdivision 6, paragraph (j), Dredged Sediment for Forest Restoration on Unproductive Minelands; (2) Laws 2014, chapter 226, section 2, subdivision 7, paragraph (b), Metropolitan Regional Park System Acquisition, as 	35.4	under this section for a capital improvement
35.7sustainable building guidelines and standards35.8contained in law, including Minnesota35.9Statutes, sections 16B.325, 216C.19, and35.10216C.20, and rules adopted under those35.11sections. The recipient may use the energy35.12planning, advocacy, and State Energy Office35.13units of the Department of Commerce to35.14obtain information and technical assistance35.15on energy conservation and alternative-energy35.16development relating to planning and35.17constructing the capital improvement project.35.18Subd. 19. Accessibility35.20meet the design standards in the Americans35.21with Disabilities Act (ADA) accessibility35.22guidelines.35.23Subd. 20. Carryforward; Extension35.24(a) The availability of the appropriations for35.25the following projects are extended to June35.2630, 2019:35.27(1) Laws 2014, chapter 226, section 2,35.30Unproductive Minelands;35.31(2) Laws 2014, chapter 226, section 2,35.32subdivision 7, paragraph (b), Metropolitan35.33Regional Park System Acquisition, as	35.5	project must ensure that the project complies
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 35.10 216C.20, and rules adopted under those 35.11 sections. The recipient may use the energy 35.12 planning, advocacy, and State Energy Office 35.13 units of the Department of Commerce to 35.14 obtain information and technical assistance 35.15 on energy conservation and alternative-energy 35.16 development relating to planning and 35.17 constructing the capital improvement project. 35.18 Subd. 19. Accessibility 35.19 Structural and nonstructural facilities must 35.20 meet the design standards in the Americans 35.21 with Disabilities Act (ADA) accessibility 35.22 guidelines. 35.23 Subd. 20. Carryforward; Extension 35.24 (a) The availability of the appropriations for 35.25 the following projects are extended to June 35.26 30, 2019: 35.27 (1) Laws 2014, chapter 226, section 2, 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.8	contained in law, including Minnesota
 35.11 sections. The recipient may use the energy 35.12 planning, advocacy, and State Energy Office 35.13 units of the Department of Commerce to 35.14 obtain information and technical assistance 35.15 on energy conservation and alternative-energy 35.16 development relating to planning and 35.17 constructing the capital improvement project. 35.18 Subd. 19. Accessibility 35.19 Structural and nonstructural facilities must 35.20 meet the design standards in the Americans 35.21 with Disabilities Act (ADA) accessibility 35.22 guidelines. 35.23 Subd. 20. Carryforward; Extension 35.24 (a) The availability of the appropriations for 35.25 the following projects are extended to June 35.26 30, 2019: 35.27 (1) Laws 2014, chapter 226, section 2, 35.28 subdivision 6, paragraph (j), Dredged 35.29 Sediment for Forest Restoration on 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.9	Statutes, sections 16B.325, 216C.19, and
 planning, advocacy, and State Energy Office units of the Department of Commerce to obtain information and technical assistance on energy conservation and alternative-energy development relating to planning and constructing the capital improvement project. Subd. 19. Accessibility Structural and nonstructural facilities must meet the design standards in the Americans with Disabilities Act (ADA) accessibility guidelines. Subd. 20. Carryforward; Extension (a) The availability of the appropriations for the following projects are extended to June 30, 2019: (1) Laws 2014, chapter 226, section 2, subdivision 6, paragraph (j), Dredged Sediment for Forest Restoration on Unproductive Minelands; (2) Laws 2014, chapter 226, section 2, subdivision 7, paragraph (b), Metropolitan Regional Park System Acquisition, as 	35.10	216C.20, and rules adopted under those
 35.13 units of the Department of Commerce to 35.14 obtain information and technical assistance 35.15 on energy conservation and alternative-energy 35.16 development relating to planning and 35.17 constructing the capital improvement project. 35.18 Subd. 19. Accessibility 35.19 Structural and nonstructural facilities must 35.20 meet the design standards in the Americans 35.21 with Disabilities Act (ADA) accessibility 35.22 guidelines. 35.23 Subd. 20. Carryforward; Extension 35.24 (a) The availability of the appropriations for 35.25 the following projects are extended to June 35.26 30, 2019: 35.27 (1) Laws 2014, chapter 226, section 2, 35.28 subdivision 6, paragraph (j), Dredged 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.33 Regional Park System Acquisition, as 	35.11	sections. The recipient may use the energy
 35.14 obtain information and technical assistance 35.15 on energy conservation and alternative-energy 35.16 development relating to planning and 35.17 constructing the capital improvement project. 35.18 Subd. 19. Accessibility 35.19 Structural and nonstructural facilities must 35.20 meet the design standards in the Americans 35.21 with Disabilities Act (ADA) accessibility 35.22 guidelines. 35.23 Subd. 20. Carryforward; Extension 35.24 (a) The availability of the appropriations for 35.25 the following projects are extended to June 35.26 30, 2019: 35.27 (1) Laws 2014, chapter 226, section 2, 35.28 subdivision 6, paragraph (j), Dredged 35.29 Sediment for Forest Restoration on 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.12	planning, advocacy, and State Energy Office
35.15on energy conservation and alternative-energy35.16development relating to planning and35.17constructing the capital improvement project.35.18Subd. 19. Accessibility35.19Structural and nonstructural facilities must35.20meet the design standards in the Americans35.21with Disabilities Act (ADA) accessibility35.22guidelines.35.23Subd. 20. Carryforward; Extension35.24(a) The availability of the appropriations for35.25the following projects are extended to June35.2630, 2019:35.27(1) Laws 2014, chapter 226, section 2,35.28subdivision 6, paragraph (j), Dredged35.30Unproductive Minelands;35.31(2) Laws 2014, chapter 226, section 2,35.32subdivision 7, paragraph (b), Metropolitan35.33Regional Park System Acquisition, as	35.13	units of the Department of Commerce to
 35.16 development relating to planning and 35.17 constructing the capital improvement project. 35.18 Subd. 19. Accessibility 35.19 Structural and nonstructural facilities must 35.20 meet the design standards in the Americans 35.21 with Disabilities Act (ADA) accessibility 35.22 guidelines. 35.23 Subd. 20. Carryforward; Extension 35.24 (a) The availability of the appropriations for 35.25 the following projects are extended to June 35.26 30, 2019: 35.27 (1) Laws 2014, chapter 226, section 2, 35.28 subdivision 6, paragraph (j), Dredged 35.29 Sediment for Forest Restoration on 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.14	obtain information and technical assistance
 35.17 constructing the capital improvement project. 35.18 Subd. 19. Accessibility 35.19 Structural and nonstructural facilities must 35.20 meet the design standards in the Americans 35.21 with Disabilities Act (ADA) accessibility 35.22 guidelines. 35.23 Subd. 20. Carryforward; Extension 35.24 (a) The availability of the appropriations for 35.25 the following projects are extended to June 35.26 30, 2019: 35.27 (1) Laws 2014, chapter 226, section 2, 35.28 subdivision 6, paragraph (j), Dredged 35.29 Sediment for Forest Restoration on 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.15	on energy conservation and alternative-energy
 35.18 Subd. 19. Accessibility 35.19 Structural and nonstructural facilities must meet the design standards in the Americans 35.20 meet the design standards in the Americans 35.21 with Disabilities Act (ADA) accessibility 35.22 guidelines. 35.23 Subd. 20. Carryforward; Extension 35.24 (a) The availability of the appropriations for 35.25 the following projects are extended to June 35.26 30, 2019: 35.27 (1) Laws 2014, chapter 226, section 2, 35.28 subdivision 6, paragraph (j), Dredged 35.29 Sediment for Forest Restoration on 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.16	development relating to planning and
 35.19 Structural and nonstructural facilities must meet the design standards in the Americans with Disabilities Act (ADA) accessibility guidelines. 35.23 Subd. 20. Carryforward; Extension 35.24 (a) The availability of the appropriations for the following projects are extended to June 35.26 30, 2019: 35.27 (1) Laws 2014, chapter 226, section 2, subdivision 6, paragraph (j), Dredged 35.29 Sediment for Forest Restoration on 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, subdivision 7, paragraph (b), Metropolitan Regional Park System Acquisition, as 	35.17	constructing the capital improvement project.
 meet the design standards in the Americans with Disabilities Act (ADA) accessibility guidelines. Subd. 20. Carryforward; Extension (a) The availability of the appropriations for the following projects are extended to June 30, 2019: (1) Laws 2014, chapter 226, section 2, subdivision 6, paragraph (j), Dredged Sediment for Forest Restoration on Unproductive Minelands; (2) Laws 2014, chapter 226, section 2, subdivision 7, paragraph (b), Metropolitan Regional Park System Acquisition, as 	35.18	Subd. 19. Accessibility
 35.21 with Disabilities Act (ADA) accessibility 35.22 guidelines. 35.23 Subd. 20. Carryforward; Extension 35.24 (a) The availability of the appropriations for 35.25 the following projects are extended to June 35.26 30, 2019: 35.27 (1) Laws 2014, chapter 226, section 2, 35.28 subdivision 6, paragraph (j), Dredged 35.29 Sediment for Forest Restoration on 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.19	Structural and nonstructural facilities must
 35.22 guidelines. 35.23 Subd. 20. Carryforward; Extension 35.24 (a) The availability of the appropriations for 35.25 the following projects are extended to June 35.26 30, 2019: 35.27 (1) Laws 2014, chapter 226, section 2, 35.28 subdivision 6, paragraph (j), Dredged 35.29 Sediment for Forest Restoration on 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.20	meet the design standards in the Americans
 35.23 Subd. 20. Carryforward; Extension 35.24 (a) The availability of the appropriations for 35.25 the following projects are extended to June 35.26 30, 2019: 35.27 (1) Laws 2014, chapter 226, section 2, 35.28 subdivision 6, paragraph (j), Dredged 35.29 Sediment for Forest Restoration on 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.21	with Disabilities Act (ADA) accessibility
 35.24 (a) The availability of the appropriations for 35.25 the following projects are extended to June 35.26 30, 2019: 35.27 (1) Laws 2014, chapter 226, section 2, 35.28 subdivision 6, paragraph (j), Dredged 35.29 Sediment for Forest Restoration on 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.22	guidelines.
 the following projects are extended to June 35.25 the following projects are extended to June 35.26 <u>30, 2019:</u> 35.27 (1) Laws 2014, chapter 226, section 2, 35.28 subdivision 6, paragraph (j), Dredged 35.29 Sediment for Forest Restoration on 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.23	Subd. 20. Carryforward; Extension
 35.26 <u>30, 2019:</u> 35.27 (1) Laws 2014, chapter 226, section 2, 35.28 subdivision 6, paragraph (j), Dredged 35.29 Sediment for Forest Restoration on 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.24	(a) The availability of the appropriations for
 35.27 (1) Laws 2014, chapter 226, section 2, 35.28 subdivision 6, paragraph (j), Dredged 35.29 Sediment for Forest Restoration on 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.25	the following projects are extended to June
 35.28 subdivision 6, paragraph (j), Dredged 35.29 Sediment for Forest Restoration on 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.26	<u>30, 2019:</u>
 35.29 Sediment for Forest Restoration on 35.30 Unproductive Minelands; 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.27	(1) Laws 2014, chapter 226, section 2,
 35.30 <u>Unproductive Minelands;</u> 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 <u>subdivision 7, paragraph (b), Metropolitan</u> 35.33 <u>Regional Park System Acquisition, as</u> 	35.28	subdivision 6, paragraph (j), Dredged
 35.31 (2) Laws 2014, chapter 226, section 2, 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.29	Sediment for Forest Restoration on
 35.32 subdivision 7, paragraph (b), Metropolitan 35.33 Regional Park System Acquisition, as 	35.30	Unproductive Minelands;
35.33 Regional Park System Acquisition, as	35.31	(2) Laws 2014, chapter 226, section 2,
	35.32	subdivision 7, paragraph (b), Metropolitan
35.34 extended by Laws 2017, chapter 96, section	35.33	Regional Park System Acquisition, as
	35.34	extended by Laws 2017, chapter 96, section

35.35 <u>2, subdivision 18, paragraph (a), clause (5);</u>

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36.1	(3) Laws 2015, chapter 76, section 2,
36.2	subdivision 3, paragraph (b), County Geologic
36.3	Atlases - Part B;
36.4	(4) Laws 2015, chapter 76, section 2,
36.5	subdivision 6, paragraph (c), Biological
36.6	Control of Canada Thistle;
36.7	(5) Laws 2015, chapter 76, section 2,
36.8	subdivision 6, paragraph (d), Preventing New
36.9	Disease of Pines in Minnesota;
36.10	(6) Laws 2015, chapter 76, section 2,
36.11	subdivision 9, paragraph (d), Native Prairie
36.12	Stewardship and Prairie Bank Easement
36.13	Acquisition;
36.14	(7) Laws 2015, chapter 76, section 2,
36.15	subdivision 9, paragraph (g), Metro
36.16	Conservation Corridors Phase VIII - Priority
36.17	Expansion of Minnesota Valley National
36.18	Wildlife Refuge;
36.19	(8) Laws 2015, chapter 76, section 2,
36.20	subdivision 10, Emerging Issues Account; and
36.21	(9) Laws 2016, chapter 186, section 2,
36.22	subdivision 9, paragraph (g), Otter Tail River
36.23	Recreational Trail Acquisition.
36.24	(b) The availability of the appropriations for
36.25	the following projects are extended to June
36.26	<u>30, 2020:</u>
36.27	(1) Laws 2015, chapter 76, section 2,
36.28	subdivision 9, paragraph (b), Metropolitan
36.29	Regional Park System Land Acquisition -
36.30	Phase IV;
36.31	(2) Laws 2016, chapter 186, section 2,
36.32	subdivision 10, paragraph (b), Grants
36.33	Management System; and

- 37.1 (3) Laws 2017, chapter 96, section 2,
- 37.2 subdivision 6, paragraph (d), Adapting Stream
- 37.3 Barriers to Remove Common Carp.
- 37.4 (c) The availability of the appropriation under
- 37.5 Laws 2017, chapter 96, section 2, subdivision
- 37.6 <u>8, paragraph (1), Conservation Reserve</u>
- 37.7 Enhancement Program (CREP), is extended

37.8 to June 30, 2022.

- 37.9 (d) The availability of the appropriation under
- 37.10 Laws 2017, chapter 96, section 2, subdivision
- 37.11 3, paragraph (n), Pollinator Research and
- 37.12 Outreach, is extended to June 30, 2023.

37.13 Sec. 3. Minnesota Statutes 2016, section 116P.08, subdivision 2, is amended to read:

37.14 Subd. 2. Exceptions. Money from the trust fund may not be spent for:

- 37.15 (1) purposes of environmental compensation and liability under chapter 115B and
 37.16 response actions under chapter 115C;
- 37.17 (2) purposes of municipal water pollution control <u>in municipalities with a population of</u>
- $37.18 \quad 5,000 \text{ or more under the authority of chapters 115 and 116;}$
- 37.19 (3) costs associated with the decommissioning of nuclear power plants;
- 37.20 (4) hazardous waste disposal facilities;
- 37.21 (5) solid waste disposal facilities; or
- 37.22 (6) projects or purposes inconsistent with the strategic plan.
- 37.23 Sec. 4. Minnesota Statutes 2016, section 116P.12, subdivision 1, is amended to read:

37.24 Subdivision 1. Loans authorized. (a) If the principal of the trust fund equals or exceeds 37.25 \$200,000,000, the commission may vote to set aside up to five percent of the principal of 37.26 the trust fund for water system improvement loans. The purpose of water system improvement 37.27 loans is to offer below market rate interest loans to local units of government for the purposes 37.28 of water system improvements.

(b) The interest on a loan shall be calculated on the declining balance at a rate four
 percentage points below that is the greater of one percent or 50 percent of the secondary

38.1	market yield of one-year United States Treasury bills calculated according to section 549.09			
38.2	subdivision 1, paragraph (c).			
38.3	(c) An eligible project must prove that existing federal or state loans or grants have not			
38.4	been adequate.	been adequate.		
38.5	(d) Payments on the principal and interest of loan	s under this section must be	e credited	
38.6	to the trust fund.			
38.7	(e) Repayment of loans made under this section n	nust be completed within 20) years.	
38.8	(f) The Minnesota Public Facilities Authority must report to the commission each year			
38.9	on the loan program any loans made to the authority	under this section.		
38.10	Sec. 5. Laws 2015, chapter 76, section 2, subdivision	on 9, is amended to read:		
38.11 38.12	Subd. 9. Land Acquisition for Habitat and Recreation	14,190,000	-0-	
38.13	(a) State Parks and Trails Land			
38.14	Acquisitions			
38.15	\$1,500,000 the first year is from the trust fund			
38.16	to the commissioner of natural resources to			
38.17	acquire at least 335 acres for authorized state	acquire at least 335 acres for authorized state		
38.18	trails and critical parcels within the statutory	trails and critical parcels within the statutory		
38.19	boundaries of state parks. State park land			
38.20	acquired with this appropriation must be	acquired with this appropriation must be		
38.21	sufficiently improved to meet at least	sufficiently improved to meet at least		
38.22	minimum management standards, as			
38.23	determined by the commissioner of natural			
38.24	resources. A list of proposed acquisitions must			
38.25	be provided as part of the required work plan.	be provided as part of the required work plan.		
38.26	This appropriation is available until June 30,			
38.27	2018, by which time the project must be			
38.28	completed and final products delivered.			
38.29	(b) Metropolitan Regional Park System			
38.30	Land Acquisition - Phase IV			
38.31	\$1,000,000 the first year is from the trust fund			
38.32	to the Metropolitan Council for grants to			
38.33	acquire at least 133 acres of lands within the			

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approved park unit boundaries of the 39.1 metropolitan regional park system. This 39.2 appropriation may not be used to purchase 39.3 habitable residential structures. A list of 39.4 proposed fee title and easement acquisitions 39.5 must be provided as part of the required work 39.6 plan. This appropriation must be matched by 39.7 39.8 at least 40 percent of nonstate money that must be committed by December 31, 2015, or the 39.9 appropriation cancels. This appropriation is 39.10 available until June 30, 2018, by which time 39.11 the project must be completed and final 39.12 products delivered. 39.13 (c) SNA Acquisition, Restoration, 39.14 **Enhancement, and Public Engagement** 39.15 \$4,000,000 the first year is from the trust fund 39.16 to the commissioner of natural resources to 39.17 acquire at least 350 acres of lands with 39.18 high-quality native plant communities and rare 39.19 features to be established as scientific and 39.20 natural areas as provided in Minnesota 39.21 Statutes, section 86A.05, subdivision 5, restore 39.22 and improve at least 550 acres of scientific 39.23

- and natural areas, and provide technical
- 39.25 assistance and outreach. A list of proposed
- acquisitions must be provided as part of the
- 39.27 required work plan. Land acquired with this
- 39.28 appropriation must be sufficiently improved
- 39.29 to meet at least minimum management
- 39.30 standards, as determined by the commissioner
- 39.31 of natural resources. This appropriation is
- available until June 30, 2018, by which time
- 39.33 the project must be completed and final
- 39.34 products delivered.

- (d) Native Prairie Stewardship and Prairie 40.1 **Bank Easement Acquisition** 40.2 \$3,325,000 the first year is from the trust fund 40.3 to the commissioner of natural resources to 40.4 40.5 acquire native prairie bank easements on at 40.6 least 675 acres, prepare baseline property assessments, restore and enhance at least 1,000 40.7 acres of native prairie sites, and provide 40.8 technical assistance to landowners. Of this 40.9 amount, up to \$135,000 \$195,000 must be 40.10 deposited in a conservation easement 40.11 stewardship account. Deposits into the 40.12 conservation easement stewardship account 40.13 must be made upon closing on conservation 40.14 easements or at a time otherwise approved in 40.15 the work plan. A list of proposed easement 40.16 acquisitions must be provided as part of the 40.17 required work plan. This appropriation is 40.18 available until June 30, 2018, by which time 40.19 the project must be completed and final 40.20 products delivered. 40.21
- (e) Metro Conservation Corridors Phase 40.22 VIII Coordination, Mapping, and 40.23
- **Conservation Easements** 40.24

\$515,000 the first year is from the trust fund 40.25 to the commissioner of natural resources for 40.26 an agreement with the Minnesota Land Trust 40.27 for Phase VIII of the Metro Conservation 40.28 Corridors partnership to provide coordination 40.29 and mapping for the partnership and to acquire 40.30 permanent conservation easements on at least 40.31 120 acres of strategic ecological landscapes 40.32 40.33 to protect priority natural areas in the metropolitan area, as defined under Minnesota 40.34 Statutes, section 473.121, subdivision 2, and 40.35

41.1	portions of the surrounding counties. A list of
41.2	proposed easement acquisitions must be
41.3	provided as part of the required work plan.
41.4	Land acquired with this appropriation must
41.5	be sufficiently improved to meet at least
41.6	minimum management standards, as
41.7	determined by the commissioner of natural
41.8	resources. Expenditures are limited to the
41.9	identified project corridor areas as defined in
41.10	the work plan. Up to \$40,000 may be used for
41.11	coordination and mapping for the Metro
41.12	Conservation Corridors. All conservation
41.13	easements must be perpetual and have a
41.14	natural resource management plan. A list of
41.15	proposed easement acquisitions must be
41.16	provided as part of the required work plan.
41.17	This appropriation is available June 30, 2018,
41.18	by which time the project must be completed
41.19	and final products delivered.

- 41.20 (f) Metro Conservation Corridors - Phase
- **VIII Strategic Lands Protection** 41.21

\$750,000 the first year is from the trust fund 41.22 to the commissioner of natural resources for 41.23 41.24 an agreement with The Trust for Public Land for Phase VIII of the Metro Conservation 41.25 Corridors partnership to acquire in fee at least 41.26 35 acres of high-quality priority state and local 41.27 natural areas in the metropolitan area, as 41.28 41.29 defined under Minnesota Statutes, section 473.121, subdivision 2, and portions of the 41.30 surrounding counties. A list of proposed 41.31 acquisitions must be provided as part of the 41.32 required work plan. Land acquired with this 41.33 appropriation must be sufficiently improved 41.34 to meet at least minimum management 41.35

42.1	standards, as determined by the commissioner
42.2	of natural resources. Expenditures are limited
42.3	to the identified project corridor areas as
42.4	defined in the work plan. This appropriation
42.5	may not be used to purchase habitable
42.6	residential structures, unless expressly
42.7	approved in the work plan. A list of fee title
42.8	acquisitions must be provided as part of the
42.9	required work plan. This appropriation is
42.10	available until June 30, 2018, by which time
42.11	the project must be completed and final
42.12	products delivered.

- 42.13 (g) Metro Conservation Corridors Phase
- 42.14 VIII Priority Expansion of Minnesota
- 42.15 Valley National Wildlife Refuge

\$500,000 the first year is from the trust fund 42.16 to the commissioner of natural resources for 42.17 an agreement with the Minnesota Valley 42.18 National Wildlife Refuge Trust, Inc. for Phase 42.19 VIII of the Metro Conservation Corridors 42.20 partnership to acquire in fee at least 100 acres 42.21 of priority habitat for the Minnesota Valley 42.22 National Wildlife Refuge in the metropolitan 42.23 area, as defined under Minnesota Statutes, 42.24 section 473.121, subdivision 2, and portions 42.25 of the surrounding counties. A list of proposed 42.26 acquisitions must be provided as part of the 42.27 required work plan. Land acquired with this 42.28 42.29 appropriation must be sufficiently improved to meet at least minimum management 42.30 standards. Expenditures are limited to the 42.31 identified project corridor areas as defined in 42.32 the work plan. This appropriation may not be 42.33 used to purchase habitable residential 42.34 structures, unless expressly approved in the 42.35

43.1	work plan. This appropriation is available until
43.2	June 30, 2018, by which time the project must
43.3	be completed and final products delivered.
43.4	(h) Metro Conservation Corridors - Phase
43.5	VIII Wildlife Management Area
43.6	Acquisition
43.7	\$400,000 the first year is from the trust fund
43.8	to the commissioner of natural resources for
43.9	Phase VIII of the Metro Conservation
43.10	Corridors partnership to acquire in fee at least
43.11	82 acres along the lower reaches of the
43.12	Vermillion River in Dakota County within the
43.13	Gores Pool Wildlife Management Area. Land
43.14	acquired with this appropriation must be
43.15	sufficiently improved to meet at least
43.16	minimum management standards. This
43.17	appropriation may not be used to purchase
43.18	habitable residential structures, unless
43.19	expressly approved in the work plan. This
43.20	appropriation is available until June 30, 2018,
43.21	by which time the project must be completed
43.22	and final products delivered.
43.23	(i) Mesabi Trail Development Soudan to
43.24	Ely - Phase II

43.25 \$1,000,000 the first year is from the trust fund

- 43.26 to the commissioner of natural resources for
- 43.27 an agreement with the St. Louis and Lake
- 43.28 Counties Regional Railroad Authority for the
- 43.29 right-of-way acquisition, design, and
- 43.30 construction of segments of the Mesabi Trail,
- 43.31 totaling approximately seven miles between
- 43.32 Soudan and Ely. This appropriation is
- 43.33 available until June 30, 2018, by which time
- 43.34 the project must be completed and final
- 43.35 products delivered.

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44.1	(j) Multi-benefit Watershed Scale
44.2	Conservation on North Central Lakes
44.3	\$950,000 the first year is from the trust fund
44.4	to the Board of Water and Soil Resources to
44.5	secure permanent conservation easements on
44.6	at least 480 acres of high-quality habitat in
44.7	Crow Wing and Cass Counties. Of this
44.8	amount, up to \$65,000 must be deposited in a
44.9	conservation easement stewardship account;
44.10	and \$54,000 is for an agreement with the
44.11	Leech Lake Area Watershed Foundation in
44.12	cooperation with Crow Wing County Soil and
44.13	Water Conservation District and Cass County
44.14	Soil and Water Conservation District. Deposits
44.15	into the conservation easement stewardship
44.16	account must be made upon closing on
44.17	conservation easements or at a time otherwise
44.18	approved in the work plan. A list of proposed
44.19	easement acquisitions must be provided as
44.20	part of the required work plan. This
44.21	appropriation is available until June 30, 2018,
44.22	by which time the project must be completed
44.23	and final products delivered.
44.24	(k) Conservation Easement Assessment and
44.25	Valuation System Development
44.26	\$250,000 the first year is from the trust fund
44.27	to the Board of Regents of the University of
44.28	Minnesota to assess the effectiveness of
44.29	existing conservation easements acquired
44.30	through state expenditures at achieving their
44.31	intended outcomes of public value and
44.32	ecological benefits and to develop a
44.33	standardized, objective conservation easement
44.34	valuation system for guiding future state
44.35	investments in conservation easements to

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45.1	ensure the proposed environmental benefits				
45.2	are being achieved in a cost-effective manner.				
45.3	-	This appropriation is available until June 30,			
45.4		h time the projec			
45.5	completed and	final products d	lelivered.		
45.6	Sec. 6. Laws 2017, chapter 96, section 2, subdivision 8, is amended to read:				
45.7 45.8 45.9		ods to Protect nd, Water, and	2,729,000	16,554,000	5,000,000
45.10 45.11	(a) Optimizing for Pollinator		of Roadside Plants		
45.12	\$815,000 the f	irst year is from	the trust fund		
45.13	to the Board of	f Regents of the	University of		
45.14	Minnesota in c	cooperation with	the		
45.15	Departments o	f Agriculture, N	atural		
45.16	Resources, and	d Transportation	and the Board		
45.17	of Water and S	Soil Resources to	produce		
45.18	site-specific re	commendations	for roadside		
45.19	plantings in M	innesota to maxi	imize the		
45.20	nutritional hea	lth of native bees	s and monarch		
45.21	butterflies that	rely on roadside	e habitat		
45.22	corridors. This	appropriation is	available until		
45.23	June 30, 2020,	by which time th	ne project must		
45.24	be completed a	and final product	ts delivered.		
45.25 45.26	(b) Promoting Beneficial Ins	g Conservation 1 ects	Biocontrol of		
45.27	\$400,000 the f	irst year is from	the trust fund		
45.28	to the Board of	f Regents of the	University of		
45.29	Minnesota to r	Minnesota to research integrated pest			
45.30	management strategies, including insecticide				
45.31	alternatives, and overwintering habitat sites				
45.32	to conserve beneficial insects, including bees,				
45.33	butterflies, and	butterflies, and predator insects. The integrated			
45.34	pest management strategies will be used to				
45.35	develop best m	anagement practi	ices to increase		
45.36	pollinator and	beneficial insect	diversity and		

46.1	abundance in various restored habitats. This
46.2	appropriation is available until June 30, 2020,
46.3	by which time the project must be completed
46.4	and final products delivered.
46.5 46.6	(c) Evaluating the Use of Bison to Restore and Preserve Savanna Habitat
46.7	\$388,000 the first year is from the trust fund
46.8	to the Board of Regents of the University of
46.9	Minnesota, Cedar Creek Ecosystem Science
46.10	Reserve, to research combined bison grazing
46.11	and fire management strategies to restore
46.12	Minnesota's oak savanna ecosystems. This
46.13	appropriation is available until June 30, 2020,
46.14	by which time the project must be completed
46.15	and final products delivered.
46.16	(d) State Park Pollinator Habitat Restoration
46.17	\$672,000 the first year is from the trust fund
46.18	to the commissioner of natural resources to
46.18	to the commissioner of natural resources to
46.18 46.19	to the commissioner of natural resources to restore at least 520 acres of monarch butterfly
46.18 46.19 46.20	to the commissioner of natural resources to restore at least 520 acres of monarch butterfly and other native pollinator habitats in at least
46.18 46.19 46.20 46.21	to the commissioner of natural resources to restore at least 520 acres of monarch butterfly and other native pollinator habitats in at least seven state parks in the Minnesota Prairie
46.18 46.19 46.20 46.21 46.22	to the commissioner of natural resources to restore at least 520 acres of monarch butterfly and other native pollinator habitats in at least seven state parks in the Minnesota Prairie Conservation Plan core areas and establish
 46.18 46.19 46.20 46.21 46.22 46.23 	to the commissioner of natural resources to restore at least 520 acres of monarch butterfly and other native pollinator habitats in at least seven state parks in the Minnesota Prairie Conservation Plan core areas and establish pollinator plantings and interpretive exhibits
 46.18 46.19 46.20 46.21 46.22 46.23 46.24 	to the commissioner of natural resources to restore at least 520 acres of monarch butterfly and other native pollinator habitats in at least seven state parks in the Minnesota Prairie Conservation Plan core areas and establish pollinator plantings and interpretive exhibits in at least ten state parks. This appropriation
 46.18 46.19 46.20 46.21 46.22 46.23 46.24 46.25 	to the commissioner of natural resources to restore at least 520 acres of monarch butterfly and other native pollinator habitats in at least seven state parks in the Minnesota Prairie Conservation Plan core areas and establish pollinator plantings and interpretive exhibits in at least ten state parks. This appropriation is available until June 30, 2021, by which time
 46.18 46.19 46.20 46.21 46.22 46.23 46.24 46.25 46.26 	to the commissioner of natural resources to restore at least 520 acres of monarch butterfly and other native pollinator habitats in at least seven state parks in the Minnesota Prairie Conservation Plan core areas and establish pollinator plantings and interpretive exhibits in at least ten state parks. This appropriation is available until June 30, 2021, by which time the project must be completed and final
 46.18 46.19 46.20 46.21 46.22 46.23 46.24 46.25 46.26 46.27 46.28 	to the commissioner of natural resources to restore at least 520 acres of monarch butterfly and other native pollinator habitats in at least seven state parks in the Minnesota Prairie Conservation Plan core areas and establish pollinator plantings and interpretive exhibits in at least ten state parks. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered. (e) Enhancing Spawning Habitat Restoration in
 46.18 46.19 46.20 46.21 46.22 46.23 46.24 46.25 46.26 46.27 46.28 46.29 	to the commissioner of natural resources to restore at least 520 acres of monarch butterfly and other native pollinator habitats in at least seven state parks in the Minnesota Prairie Conservation Plan core areas and establish pollinator plantings and interpretive exhibits in at least ten state parks. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered. (e) Enhancing Spawning Habitat Restoration in Minnesota Lakes
 46.18 46.19 46.20 46.21 46.22 46.23 46.24 46.25 46.26 46.27 46.28 46.29 46.30 	to the commissioner of natural resources to restore at least 520 acres of monarch butterfly and other native pollinator habitats in at least seven state parks in the Minnesota Prairie Conservation Plan core areas and establish pollinator plantings and interpretive exhibits in at least ten state parks. This appropriation is available until June 30, 2021, by which time the project must be completed and final products delivered. (e) Enhancing Spawning Habitat Restoration in Minnesota Lakes \$294,000 the first year is from the trust fund

- 46.34 Resources to enhance efforts to increase
- 46.35 natural reproduction of fish in Minnesota lakes
- 46.36 by assessing wave energy impacts on

- 47.1 near-shore spawning habitat. This
- 47.2 appropriation is available until June 30, 2020,
- 47.3 by which time the project must be completed
- 47.4 and final products delivered.
- 47.5 (f) Prescribed-Fire Management for Roadside47.6 Prairies
- 47.7 \$345,000 the first year is from the trust fund
- 47.8 to the commissioner of transportation to
- 47.9 enhance the prescribed-fire program to manage
- 47.10 roadsides to protect and increase biodiversity
- 47.11 and pollinator habitat. This appropriation is
- 47.12 available until June 30, 2020, by which time
- 47.13 the project must be completed and final
- 47.14 products delivered.

47.15 (g) Minnesota Bee and Beneficial Species Habitat47.16 Restoration

- 47.17 \$732,000 the first year is from the trust fund
- 47.18 to the commissioner of natural resources for
- 47.19 an agreement with Pheasants Forever in
- 47.20 cooperation with the University of Minnesota
- 47.21 and the Minnesota Honey Producers
- 47.22 Association to restore approximately 800 acres
- 47.23 of permanently protected land to enhance bee,
- 47.24 butterfly, beneficial insect, and grassland bird
- 47.25 habitats. This appropriation is available until
- 47.26 June 30, 2021, by which time the project must
- 47.27 be completed and final products delivered.

47.28 (h) Mississippi and Vermillion Rivers 47.29 Restoration of Prairie, Savanna, and Forest 47.30 Habitat - Phase X

- 47.31 \$213,000 the first year is from the trust fund
- 47.32 to the commissioner of natural resources for
- 47.33 an agreement with Friends of the Mississippi
- 47.34 River for continued implementation of the
- 47.35 Metro Conservation Corridors partnership by
- 47.36 improving at least 80 acres of habitat at
- 47.37 approximately seven sites along the

48.1	Mississippi River and Vermillion River
48.2	corridors. Expenditures are limited to the
48.3	identified project corridor areas as defined in
48.4	the work plan. A list of proposed restoration
48.5	sites must be provided as part of the required
48.6	work plan. Plant and seed materials must
48.7	follow the Board of Water and Soil Resources'
48.8	native vegetation establishment and
48.9	enhancement guidelines. This appropriation
48.10	is available until June 30, 2020, by which time
48.11	the project must be completed and final
48.12	products delivered.
48.13	(i) Community Stewardship to Restore Urban
48.14	Natural Resources - Phase X
48.15	\$524,000 the first year is from the trust fund
48.16	to the commissioner of natural resources for
48.17	an agreement with Great River Greening to
48.18	work with volunteers for continued
48.19	implementation of the Metro Conservation
48.20	Corridors partnership to restore approximately
48.21	250 acres of forest, prairie, woodland, wetland,
48.22	and shoreline throughout the greater Twin
48.23	Cities metropolitan area. Expenditures are
48.24	limited to the identified project corridor areas
48.25	as defined in the work plan. A list of proposed
48.26	restoration sites and evaluations must be
48.27	provided as part of the required work plan.
48.28	Plant and seed materials must follow the Board
48.29	of Water and Soil Resources' native vegetation
48.30	establishment and enhancement guidelines.
48.31	This appropriation is available until June 30,
48.32	2020, by which time the project must be
48.33	completed and final products delivered.
48.34	(j) Economic Assessment of Precision

48.35 Conservation and Agriculture

- \$400,000 the first year is from the trust fund 49.1 to the commissioner of natural resources for 49.2 49.3 an agreement with Pheasants Forever to demonstrate a new approach to promote 49.4 conservation practices utilizing 49.5 return-on-investment analysis and identifying 49.6 revenue-negative acres on agricultural land to 49.7 49.8 assist farmers in implementing conservation practices that will provide environmental and 49.9 economic benefits. This appropriation is 49.10 available until June 30, 2020, by which time 49.11 the project must be completed and final 49.12 49.13 products delivered. (k) Conservation Reserve Enhancement 49.14 Program (CREP) Outreach and Implementation 49.15 \$6,000,000 the first year is from the trust fund 49.16 to the Board of Water and Soil Resources to 49.17 fund staff at soil and water conservation 49.18 49.19 districts to assist landowners participating in the federal Conservation Reserve 49.20 Enhancement Program. This appropriation is 49.21 contingent upon receipt of federal funds for 49.22 implementation. This appropriation is 49.23 available until June 30, 2020, by which time 49.24 the project must be completed and final 49.25 49.26 products delivered. (1) Conservation Reserve Enhancement Program 49.27 49.28 (CREP) \$2,729,000 in fiscal year 2017 and \$5,771,000 49.29 49.30 the first year and \$5,000,000 the second year are from the trust fund to the Board of Water 49.31
- 49.32 and Soil Resources to acquire permanent
- 49.33 conservation easements and restore land under
- 49.34 Minnesota Statutes, section 103F.515. Of this
- 49.35 amount, up to \$2,184,000 is for establishing
- 49.36 a monitoring and enforcement fund as

- 50.1 approved in the work plan and subject to
- 50.2 <u>Minnesota Statutes, section 103B.103.</u> This
- 50.3 work may be done in cooperation with the
- 50.4 federal Conservation Reserve Enhancement
- 50.5 **Program.** This appropriation is available until
- 50.6 June 30, 2021, by which time the project must
- 50.7 be completed and final products delivered.