02/09/18 REVISOR CKM/NB 18-5224 as introduced

SENATE STATE OF MINNESOTA NINETIETH SESSION

S.F. No. 2934

(SENATE AUTHORS: WESTROM, Ingebrigtsen, Dahms, Tomassoni and Dziedzic) **DATE** 03/05/2018 D-PG **OFFICIAL STATUS**

1.1

1.2

Introduction and first reading Referred to Environment and Natural Resources Finance

A bill for an act

relating to natural resources; appropriating money from environment and natural

resources trust fund; correcting previous appropriations; modifying requirements 13 for receipt of fund money; amending Minnesota Statutes 2016, sections 116P.08, 1.4 subdivision 2; 116P.12, subdivision 1; Laws 2015, chapter 76, section 2, subdivision 1.5 9; Laws 2017, chapter 96, section 2, subdivision 8. 1.6 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA: 1.7 1.8 Section 1. APPROPRIATIONS. The sums shown in the columns marked "Appropriations" are appropriated to the agencies 19 and for the purposes specified in this act. The appropriations are from the environment and 1.10 natural resources trust fund, or another named fund, and are available for the fiscal years 1.11 indicated for each purpose. The figures "2018" and "2019" used in this act mean that the 1.12 appropriations listed under them are available for the fiscal year ending June 30, 2018, or 1.13 June 30, 2019, respectively. "The first year" is fiscal year 2018. "The second year" is fiscal 1.14 year 2019. "The biennium" is fiscal years 2018 and 2019. 1.15 APPROPRIATIONS 1 16 Available for the Year 1.17 **Ending June 30** 1 18 1.19 2018 2019 Sec. 2. MINNESOTA RESOURCES 1.20 1.21 Subdivision 1. Total Appropriation \$ -0- \$ 45,828,000 The amounts that may be spent for each 1.22 1.23 purpose are specified in the following 1.24 subdivisions. Appropriations are available for

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	<u>-0-</u>	7,293,000
2.14	(a) County Geologic Atlases - Part A		
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		

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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

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4.1	\$600,000 the s	second year is f	rom the trust
4.2	fund to the Boa	ard of Regents o	f the University
4.3	of Minnesota t	to identify mana	agement actions
4.4	to maximize be	enefits to wildlif	e, water quality,
4.5	timber produc	tion, and native	plant
4.6	communities i	n peatland fores	sts. This
4.7	appropriation	is available unti	l June 30, 2022,
4.8	by which time	the project mu	st be completed
4.9	and final prod	ucts delivered.	
4.10 4.11	(f) Assessing N by Lichens ar		ce Benefits Provided
4.12	\$213,000 the s	second year is f	rom the trust
4.13	fund to the Boa	ard of Regents o	f the University
4.14	of Minnesota t	to survey, map,	and analyze
4.15	mosses and lic	hens across the	state, including
4.16	their moisture-	-retention capac	eity, effects on
4.17	hydrology, and	d ability to filter	r airborne
4.18	pollutants. This	s appropriation i	is available until
4.19	June 30, 2021,	by which time	the project must
4.20	be completed a	and final produ	cts delivered.
4.21 4.22	(g) Develop a Threats in Mi		ess Wildlife Health
4.23	\$280,000 the s	second year is f	rom the trust
4.24	fund to the Boa	ard of Regents o	f the University
4.25	of Minnesota t	to develop a sta	<u>tewide</u>
4.26	information-m	anagement syst	tem that uses
4.27	wildlife-rehab	ilitation data to	identify
4.28	emerging threa	ats to wildlife h	ealth in
4.29	Minnesota.		
4.30 4.31	(h) Conservin Management		Forest Birds of
4.32	\$500,000 the s	second year is f	rom the trust
4.33	fund to the Boa	ard of Regents o	of the University
4.34	of Minnesota	for the Natural	Resources
4.35	Research Insti	tute in Duluth t	o identify
4.36	forest-manage	ment actions an	nd guidelines to

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4 Sec. 2.

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
3.21	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	(k) Conserving Minnesota's Nine Species of Freshwater Turtles
5.34	\$300,000 the second year is from the trust
5.35	fund to the Minnesota Zoological Garden to
5.36	improve the long-term viability of Minnesota's

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imperiled turtle populations by researching		
threats, identifying mitigation strategies,		
implementing mechanisms to reduce threats		
and mortality, and creating related outreach		
and educational materials. This appropriation		
is available until June 30, 2021, by which time		
the project must be completed and final		
products delivered.		
(I) Develop Sonar Data Mapping on Three Rivers to Assess Suitability for Native Mussel Habitat		
\$200,000 the second year is from the trust		
fund to the commissioner of natural resources		
for an agreement with the National Park		
Service to create high-resolution sonar data		
maps to identify critical native mussel habitat		
for the designated Lower St. Croix National		
Scenic Riverway and the Mississippi National		
River and Recreation Area including part of		
the Minnesota River.		
Subd. 4. Water Resources	<u>-0-</u>	5,275,000
(a) Pilot Program to Optimize Local Mechanical and Pond Wastewater-Treatment Plants		
\$700,000 the second year is from the trust		
fund to the commissioner of the Minnesota		
Pollution Control Agency, in partnership with		
the Minnesota Rural Water Association and		
the University of Minnesota's Technical		
Assistance Program, to implement a pilot		
program to optimize existing local mechanical		
and pond wastewater-treatment systems to		
increase nutrient removal and improve		
efficiency without requiring costly upgrades.		
(b) Assess and Develop Strategies to Remove Microscopic Plastic-Particle Pollution from Minnesota Water Bodies		

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7.1	\$300,000 th	e second year is fr	om the trust	
7.2	fund to the E	Board of Regents of	f the University	
7.3	of Minnesot	ta to assess, track,	and develop	
7.4	methods to	remove microscop	ic plastic	
7.5	particles tha	t are dispersed and	d accumulating	
7.6	as pollution	in Minnesota wate	er bodies. This	
7.7	appropriatio	n is subject to Min	nesota Statutes,	
7.8	section 1161	P.10. This appropri	ation is	
7.9	available un	til June 30, 2021,	by which time	
7.10	the project r	nust be completed	and final	
7.11	products del	livered.		
7.12	(c) Reduce	Chlorides in Min	nesota Waters by	
7.13		Road-Salt Altern	atives and	
7.14	Pavement I	nnovations		
7.15	\$400,000 th	e second year is fr	om the trust	
7.16	fund to the E	Board of Regents of	f the University	
7.17	of Minnesot	ta to investigate ro	ad-salt	
7.18	alternatives	and pavement inne	ovations to	
7.19	reduce lake,	stream, and groun	ndwater_	

degradation caused by road-salt chlorides. This

appropriation is available until June 30, 2021,

by which time the project must be completed

(d) Protect Water Quality with Efficient

\$325,000 the second year is from the trust

fund to the Board of Trustees of the Minnesota

State Colleges and Universities system for St.

effectiveness of best management practices in

removing contaminants from storm water to

safeguard aquatic habitats. This appropriation

is available until June 30, 2021, by which time

the project must be completed and final

Cloud State University to evaluate the

Removal of Contaminants in Treatment Ponds

and final products delivered.

for Storm Water

products delivered.

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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	(f) Evaluate Emerging Pathogens in Lakes, Rivers, and Tap Water to Keep Drinking Water Safe
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	(h) Mapping Antibiotic Resistance in Minnesota
9.4 9.5	to Help Protect Environmental, Animal, and Human Health
9.5	Human Heattn
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	(i) Farmer-Led Expansion of Alfalfa Production
9.17	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	(j) Using Perennial Grain Crops in Wellhead
9.30	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

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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	(d) Connecting Students with Water Stewardship through Hands-on Learning
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	(e) Expanding River Watch Program on the Minnesota River With High School Teams
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
11.34	program on the Minnesota River to recruit at
11.35	least 15 additional teams of high school

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visitors on the importance of pollinators and

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14.1	and its impacts are measurably reduced and		
14.2	more local reuse jobs are created.		
14.3	(I) Expand Materials Reuse and Recycling Jobs		
14.4	Program		
14.5	\$665,000 the second year is from the trust		
14.6	fund to the commissioner of natural resources		
14.7	for an agreement with Better Futures		
14.8	Minnesota, in cooperation with the Northwest		
14.9	Indian Community Development Corporation,		
14.10	and \$135,000 the second year is from the trust		
14.11	fund to the Board of Regents of the University		
14.12	of Minnesota for the Natural Resources		
14.13	Research Institute in Duluth to expand		
14.14	building deconstruction and material-reuse		
14.15	practices and jobs in partnership with counties,		
14.16	tribes, and municipalities statewide and to		
14.17	document the environmental, health, and		
14.18	economic benefits of these practices.		
14.19	Subd. 6. Aquatic and Terrestrial Invasive Species	<u>-0-</u>	5,760,000
14.20 14.21	(a) Minnesota Invasive Terrestrial Plants and Pests Center - Phase 4		
1422	\$2,500,000 the good was is from the trust		
14.22	\$3,500,000 the second year is from the trust		
14.23	fund to the Board of Regents of the University of Minnesota for high-priority research at the		
14.24	Invasive Terrestrial Plants and Pests Center		
14.25			
14.2614.27	to protect Minnesota's natural and agricultural resources from terrestrial invasive plants,		
14.27	pathogens, and pests as identified through the		
14.29	center's strategic prioritization process. This		
14.29	appropriation is available until June 30, 2023,		
14.31	by which time the project must be completed		
14.31	and final products delivered.		
14.33 14.34	(b) Palmer Amaranth Detection and Eradication Continuation		
14.35	\$431,000 the second year is from the trust		
14.36	fund to the commissioner of agriculture to		

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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	(c) Evaluate Control Methods for Invasive Hybrid Cattails
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	fund to the Board of Regents of the University

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

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18.1	\$1,000,000 the second year is from the trust
18.2	fund to the commissioner of natural resources
18.3	to accelerate the nongame wildlife program
18.4	including rare wildlife data collection, habitat
18.5	management, collaborative land protection,
18.6	conservation education, and a new emphasis
18.7	on promoting nature tourism to benefit
18.8	wildlife, visitors, and rural communities.
18.9	(b) Develop Biomulch to Replace Plastic Soil
18.10	Covering in Vegetable and Fruit Production to
18.11	Increase Yield and Reduce Waste
18.12	\$310,000 the second year is from the trust
18.13	fund to the Board of Regents of the University
18.14	of Minnesota to develop and test the
18.15	performance of biodegradable biomulch to
18.16	increase yield, conserve water, suppress weeds
18.17	and pests, add nutrients to the soil, and replace
18.18	large amounts of nonrecyclable and
18.19	nondegradable plastic used in vegetable and
18.20	fruit production. This appropriation is
18.21	available until June 30, 2021, by which time
18.22	the project must be completed and final
18.23	products delivered.
18.24	(c) Develop Market-Based Alternatives for
18.25	Perennial Crops to Benefit Water Quality and
18.26	Wildlife
18.27	\$150,000 the second year is from the trust
18.28	fund to the Science Museum of Minnesota for
18.29	the St. Croix Watershed Research Station to
18.30	design and evaluate at least six market-based
18.31	scenarios for perennial cropping systems in
18.32	Minnesota, including technological and
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
17.17	(0) 1100001111 1111111111111111111111111
19.20	\$250,000 the second year is from the trust
19.20	\$250,000 the second year is from the trust
19.20 19.21	\$250,000 the second year is from the trust fund to the commissioner of natural resources
19.20 19.21 19.22	\$250,000 the second year is from the trust fund to the commissioner of natural resources to restore at least 255 acres of high-quality
19.20 19.21 19.22 19.23	\$250,000 the second year is from the trust fund to the commissioner of natural resources to restore at least 255 acres of high-quality forests in state parks such as Itasca, Jay Cooke,
19.20 19.21 19.22 19.23 19.24	\$250,000 the second year is from the trust fund to the commissioner of natural resources to restore at least 255 acres of high-quality forests in state parks such as Itasca, Jay Cooke, and Forestville Mystery Cave State Parks and
19.20 19.21 19.22 19.23 19.24 19.25	\$250,000 the second year is from the trust fund to the commissioner of natural resources to restore at least 255 acres of high-quality forests in state parks such as Itasca, Jay Cooke, and Forestville Mystery Cave State Parks and Greenleaf Lake State Recreation Area. This
19.20 19.21 19.22 19.23 19.24 19.25 19.26	\$250,000 the second year is from the trust fund to the commissioner of natural resources to restore at least 255 acres of high-quality forests in state parks such as Itasca, Jay Cooke, and Forestville Mystery Cave State Parks and Greenleaf Lake State Recreation Area. This appropriation is available until June 30, 2023,
19.20 19.21 19.22 19.23 19.24 19.25 19.26 19.27	\$250,000 the second year is from the trust fund to the commissioner of natural resources to restore at least 255 acres of high-quality forests in state parks such as Itasca, Jay Cooke, and Forestville Mystery Cave State Parks and Greenleaf Lake State Recreation Area. This appropriation is available until June 30, 2023, by which time the project must be completed and final products delivered. (f) Develop Strategies for Timber Harvest to
19.20 19.21 19.22 19.23 19.24 19.25 19.26 19.27 19.28 19.29 19.30	\$250,000 the second year is from the trust fund to the commissioner of natural resources to restore at least 255 acres of high-quality forests in state parks such as Itasca, Jay Cooke, and Forestville Mystery Cave State Parks and Greenleaf Lake State Recreation Area. This appropriation is available until June 30, 2023, by which time the project must be completed and final products delivered. (f) Develop Strategies for Timber Harvest to Minimize Soil Impacts to Maintain Healthy and
19.20 19.21 19.22 19.23 19.24 19.25 19.26 19.27 19.28 19.29	\$250,000 the second year is from the trust fund to the commissioner of natural resources to restore at least 255 acres of high-quality forests in state parks such as Itasca, Jay Cooke, and Forestville Mystery Cave State Parks and Greenleaf Lake State Recreation Area. This appropriation is available until June 30, 2023, by which time the project must be completed and final products delivered. (f) Develop Strategies for Timber Harvest to Minimize Soil Impacts to Maintain Healthy and Diverse Forests
19.20 19.21 19.22 19.23 19.24 19.25 19.26 19.27 19.28 19.29 19.30 19.31	\$250,000 the second year is from the trust fund to the commissioner of natural resources to restore at least 255 acres of high-quality forests in state parks such as Itasca, Jay Cooke, and Forestville Mystery Cave State Parks and Greenleaf Lake State Recreation Area. This appropriation is available until June 30, 2023, by which time the project must be completed and final products delivered. (f) Develop Strategies for Timber Harvest to Minimize Soil Impacts to Maintain Healthy and Diverse Forests \$200,000 the second year is from the trust
19.20 19.21 19.22 19.23 19.24 19.25 19.26 19.27 19.28 19.29 19.30 19.31 19.32	\$250,000 the second year is from the trust fund to the commissioner of natural resources to restore at least 255 acres of high-quality forests in state parks such as Itasca, Jay Cooke, and Forestville Mystery Cave State Parks and Greenleaf Lake State Recreation Area. This appropriation is available until June 30, 2023, by which time the project must be completed and final products delivered. (f) Develop Strategies for Timber Harvest to Minimize Soil Impacts to Maintain Healthy and Diverse Forests \$200,000 the second year is from the trust fund to the Board of Regents of the University
19.20 19.21 19.22 19.23 19.24 19.25 19.26 19.27 19.28 19.29 19.30 19.31 19.32 19.33 19.34	\$250,000 the second year is from the trust fund to the commissioner of natural resources to restore at least 255 acres of high-quality forests in state parks such as Itasca, Jay Cooke, and Forestville Mystery Cave State Parks and Greenleaf Lake State Recreation Area. This appropriation is available until June 30, 2023, by which time the project must be completed and final products delivered. (f) Develop Strategies for Timber Harvest to Minimize Soil Impacts to Maintain Healthy and Diverse Forests \$200,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota to develop strategies and
19.20 19.21 19.22 19.23 19.24 19.25 19.26 19.27 19.28 19.29 19.30 19.31 19.32	\$250,000 the second year is from the trust fund to the commissioner of natural resources to restore at least 255 acres of high-quality forests in state parks such as Itasca, Jay Cooke, and Forestville Mystery Cave State Parks and Greenleaf Lake State Recreation Area. This appropriation is available until June 30, 2023, by which time the project must be completed and final products delivered. (f) Develop Strategies for Timber Harvest to Minimize Soil Impacts to Maintain Healthy and Diverse Forests \$200,000 the second year is from the trust fund to the Board of Regents of the University

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	(g) Restoring Wetland Invertebrates to Revive Wildlife Habitat		
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	(h) Preserving Minnesota's Native Orchids - <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		
20.23	Arboretum to expand collection and		
20.24	preservation efforts to enable long-term		
20.25	conservation of at least 25 of the 48 native		
20.26	orchid species in Minnesota and to continue		
20.27	propagation and cultivation research. This		
20.28	appropriation is available until June 30, 2021,		
20.29	by which time the project must be completed		
20.30	and final products delivered.		
20.31 20.32	Subd. 9. Land Acquisition, Habitat, and Recreation	<u>-0-</u>	17,439,000
20.33 20.34	(a) Grants for Local Parks, Trails, and Natural Areas		
20.35	\$2,000,000 the second year is from the trust		
20.36	fund to the commissioner of natural resources		

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

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22.1	Harmony sou	ath to the Iowa st	ate border with
22.2	a spur to Niagara Cave. The land must be		
22.3	transferred to the state after it has been		has been
22.4	purchased.		
22.5	(d) Mississip	pi Blufflands Sta	ate Trail - Red Wing
22.6	<u> </u>	o Colvill Park S	
22.7	\$550,000 the	second year is fi	rom the trust
22.8	fund to the co	ommissioner of n	atural resources
22.9	for an agreen	nent with the city	of Red Wing
22.10	to be used wi	ith other funds to	construct an
22.11	approximate	three-quarter-mi	le-long
22.12	hard-surface	d segment of the	Mississippi
22.13	Blufflands St	tate Trail along R	ed Wing's
22.14	Mississippi F	River riverfront fi	rom Barn Bluff
22.15	Regional Par	k to Colvill Park	. This
22.16	appropriation	n is available unti	l June 30, 2021,
22.17	by which tim	e the project mus	st be completed
22.18	and final pro	ducts delivered.	
22.19 22.20		Immigrant Regi state State Park	onal Trail Segment
22.21	\$2,254,000 tl	he second year is	from the trust
22.22	fund to the co	ommissioner of na	atural resources
22.23	for an agreen	nent with Chisag	o County
22.24	Environment	al Services to co	nstruct an
22.25	approximate	one-half-mile reg	gional county
22.26	trail segment	within Interstate	State Park from
22.27	the end point	of the existing to	rail at the park
22.28	boundary to	city hall includin	g a trail bridge
22.29	over the ravi	ne and parking ar	nd trailhead
22.30	improvemen	ts and to conduct	a natural and
22.31	cultural revie	w to determine th	e feasibility and
22.32	route of a fut	ure section of the	e trail through
22.33	the park.This	appropriation is	available until
22.34	June 30, 202	1, by which time t	the project must
22.35	be completed	l and final produc	cts delivered.
22.36	(f) Enhancer	nent Plan for Su	perior Hiking Trail

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as introduced

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	(g) Protecting Mississippi River Headwaters
23.13 23.14	Lands through Local, State, and Federal Partnership
23.14	1 at the snip
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

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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

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>	439,000
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		
26.19	(a) Wastewater Treatment System Grants		
26.20	Until June 30, 2021, the Legislative-Citizen		
26.21	Commission on Minnesota Resources must		
26.22	consider recommending up to \$10,000,000 of		
26.23	the available money from the trust fund to		
26.24	match appropriations from the bond proceeds		
26.25	fund for wastewater infrastructure funding that		
26.26	exceed \$10,000,000 per year for expenditure		
26.27	by the Public Facilities Authority for		
26.28	wastewater treatment grants to home rule		
26.29	charter and statutory cities and towns with a		
26.30	population under 5,000. The grants must be		
26.31	issued under Minnesota Statutes, sections		
26.32	446A.072 and 446A.073. The		
26.33	recommendations may include a technical		
26.34	assistance program for recipients eligible		
26.35	under this subdivision. The commission must		

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27.1	work with the Public Facilities Authority in		
27.2	developing its recommendations.		
27.3	(b) Wastewater Treatment System Loans		
27.4	The commission must consider recommending		
27.5	up to five percent of the corpus of the trust		
27.6	fund for loans to the Public Facilities		
27.7	Authority to issue loans under Minnesota		
27.8	Statutes, section 446A.07, to home rule charter		
27.9	and statutory cities and towns with a		
27.10	population under 5,000.		
27.11 27.12	(c) Work Program and Semiannual Progress Report		
27.13	The work plan required under Minnesota		
27.14	Statutes, section 116P.05, subdivision 2,		
27.15	paragraph (b), must consist of lists showing		
27.16	the fundable ranges for grants and loans		
27.17	pursuant to this subdivision.		
27.18	Subd. 12. Contract Agreement Reimbursement	<u>-0-</u>	135,000
27.19	\$135,000 the second year is from the trust		
27.20	fund to the commissioner of natural resources,		
27.21	at the direction of the Legislative-Citizen		
27.22	Commission on Minnesota Resources, for		
27.23	expenses incurred for preparing and		
27.24	administering contracts for the agreements		
27.25	specified in this section. The commissioner		
27.26	must provide documentation to the		
27.27	Legislative-Citizen Commission on Minnesota		
27.28	Resources on the expenditure of these funds.		
27.29	Subd. 13. Availability of Appropriations		
27.30	Money appropriated in this section may not		
27.31	be spent on activities unless they are directly		
27.32	related to and necessary for a specific		
27.33	appropriation and are specified in the work		
27.34	plan approved by the Legislative-Citizen		
27.35	Commission on Minnesota Resources. Money		

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as introduced

as introduced

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	<u>future restorations.</u>
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
32.10	this section must not agree to pay more than
32.11	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.
32.20	(i) For any acquisition of land or interest in
32.20 32.21	(1) For any acquisition of land or interest in land, a recipient of money appropriated under
32.21	land, a recipient of money appropriated under
32.21 32.22	land, a recipient of money appropriated under this section must give priority to high-quality
32.21 32.22 32.23	land, a recipient of money appropriated under this section must give priority to high-quality natural resources or conservation lands that
32.21 32.22 32.23 32.24	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.
32.21 32.22 32.23 32.24 32.25	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
32.21 32.22 32.23 32.24 32.25 32.26	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
32.21 32.22 32.23 32.24 32.25 32.26 32.27	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
32.21 32.22 32.23 32.24 32.25 32.26 32.27 32.28	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
32.21 32.22 32.23 32.24 32.25 32.26 32.27 32.28 32.29	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
32.21 32.22 32.23 32.24 32.25 32.26 32.27 32.28 32.29 32.30	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
32.21 32.22 32.23 32.24 32.25 32.26 32.27 32.28 32.29 32.30 32.31	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
32.21 32.22 32.23 32.24 32.25 32.26 32.27 32.28 32.29 32.30 32.31 32.32	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	(l) 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	Subd. 16. 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 34.27	Subd. 17. Purchasing Recycled and Recyclable 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	16C.073, regarding purchasing and using
34.36	paper stock and printing.

35.1 35.2	Subd. 18. Energy Conservation and Sustainable Building Guidelines
35.3	A recipient to whom an appropriation is made
35.4	under this section for a capital improvement
35.5	project must ensure that the project complies
35.6	with the applicable energy conservation and
35.7	sustainable building guidelines and standards
35.8	contained in law, including Minnesota
35.9	Statutes, sections 16B.325, 216C.19, and
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,
35.28	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
35.34	extended by Laws 2017, chapter 96, section
35.35	2, subdivision 18, paragraph (a), clause (5);

- 36.1 (3) Laws 2015, chapter 76, section 2,
- subdivision 3, paragraph (b), County Geologic
- 36.3 Atlases Part B;
- 36.4 (4) Laws 2015, chapter 76, section 2,
- subdivision 6, paragraph (c), Biological
- 36.6 Control of Canada Thistle;
- 36.7 (5) Laws 2015, chapter 76, section 2,
- 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,
- 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 30, 2020:
- 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,
- subdivision 10, paragraph (b), Grants
- 36.33 Management System; and

percentage points below that is the greater of one percent or 50 percent of the secondary

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37.30

38.1	market yield of one-year United States Treasury bill	s 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 h	ave not
38.4	been adequate.	· ·	
38.5	(d) Payments on the principal and interest of lo	ans under this section must be c	redited
38.6	to the trust fund.	ans ander this section must be e.	rearrea
38.7	(e) Repayment of loans made under this section	n must be completed within 20 y	ears.
38.8	(f) The Minnesota Public Facilities Authority n	nust report to the commission ea	ch year
38.9	on the loan program any loans made to the authori	ty under this section.	
38.10	Sec. 5. Laws 2015, chapter 76, section 2, subdivi	sion 9, is amended to read:	
38.11 38.12	Subd. 9. Land Acquisition for Habitat and Recreation	14,190,000	-0-
20.12	(a) State Dayles and Twails Land		
38.13	(a) State Parks and Trails Land Acquisitions		
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		
38.18	trails and critical parcels within the statutory		
38.19	boundaries of state parks. State park land		
38.20	acquired with this appropriation must be		
38.21	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.		
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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as introduced

39.1	approved park unit boundaries of the
39.2	metropolitan regional park system. This
39.3	appropriation may not be used to purchase
39.4	habitable residential structures. A list of
39.5	proposed fee title and easement acquisitions
39.6	must be provided as part of the required work
39.7	plan. This appropriation must be matched by
39.8	at least 40 percent of nonstate money that must
39.9	be committed by December 31, 2015, or the
39.10	appropriation cancels. This appropriation is
39.11	available until June 30, 2018, by which time
39.12	the project must be completed and final
39.13	products delivered.
39.14	(c) SNA Acquisition, Restoration,
39.15	Enhancement, and Public Engagement
39.16	\$4,000,000 the first year is from the trust fund
39.17	to the commissioner of natural resources to
39.18	acquire at least 350 acres of lands with
39.19	high-quality native plant communities and rare
39.20	features to be established as scientific and
39.21	natural areas as provided in Minnesota
39.22	Statutes, section 86A.05, subdivision 5, restore
39.23	and improve at least 550 acres of scientific
39.24	and natural areas, and provide technical
39.25	assistance and outreach. A list of proposed
39.26	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
39.32	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
41.18	by which time the project must be completed
41.18	and final products delivered.
41.19	and final products delivered.
41.19 41.20	and final products delivered. (f) Metro Conservation Corridors - Phase
41.19 41.20 41.21	and final products delivered. (f) Metro Conservation Corridors - Phase VIII Strategic Lands Protection
41.19 41.20 41.21 41.22	and final products delivered. (f) Metro Conservation Corridors - Phase VIII Strategic Lands Protection \$750,000 the first year is from the trust fund
41.19 41.20 41.21 41.22 41.23	and final products delivered. (f) Metro Conservation Corridors - Phase VIII Strategic Lands Protection \$750,000 the first year is from the trust fund to the commissioner of natural resources for
41.19 41.20 41.21 41.22 41.23 41.24	and final products delivered. (f) Metro Conservation Corridors - Phase VIII Strategic Lands Protection \$750,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with The Trust for Public Land
41.19 41.20 41.21 41.22 41.23 41.24 41.25	and final products delivered. (f) Metro Conservation Corridors - Phase VIII Strategic Lands Protection \$750,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with The Trust for Public Land for Phase VIII of the Metro Conservation
41.19 41.20 41.21 41.22 41.23 41.24 41.25 41.26	and final products delivered. (f) Metro Conservation Corridors - Phase VIII Strategic Lands Protection \$750,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with The Trust for Public Land for Phase VIII of the Metro Conservation Corridors partnership to acquire in fee at least
41.19 41.20 41.21 41.22 41.23 41.24 41.25 41.26 41.27	and final products delivered. (f) Metro Conservation Corridors - Phase VIII Strategic Lands Protection \$750,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with The Trust for Public Land for Phase VIII of the Metro Conservation Corridors partnership to acquire in fee at least 35 acres of high-quality priority state and local
41.19 41.20 41.21 41.22 41.23 41.24 41.25 41.26 41.27 41.28	and final products delivered. (f) Metro Conservation Corridors - Phase VIII Strategic Lands Protection \$750,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with The Trust for Public Land for Phase VIII of the Metro Conservation Corridors partnership to acquire in fee at least 35 acres of high-quality priority state and local natural areas in the metropolitan area, as
41.19 41.20 41.21 41.22 41.23 41.24 41.25 41.26 41.27 41.28 41.29	and final products delivered. (f) Metro Conservation Corridors - Phase VIII Strategic Lands Protection \$750,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with The Trust for Public Land for Phase VIII of the Metro Conservation Corridors partnership to acquire in fee at least 35 acres of high-quality priority state and local natural areas in the metropolitan area, as defined under Minnesota Statutes, section
41.19 41.20 41.21 41.22 41.23 41.24 41.25 41.26 41.27 41.28 41.29 41.30	and final products delivered. (f) Metro Conservation Corridors - Phase VIII Strategic Lands Protection \$750,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with The Trust for Public Land for Phase VIII of the Metro Conservation Corridors partnership to acquire in fee at least 35 acres of high-quality priority state and local natural areas in the metropolitan area, as defined under Minnesota Statutes, section 473.121, subdivision 2, and portions of the
41.19 41.20 41.21 41.22 41.23 41.24 41.25 41.26 41.27 41.28 41.29 41.30 41.31	and final products delivered. (f) Metro Conservation Corridors - Phase VIII Strategic Lands Protection \$750,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with The Trust for Public Land for Phase VIII of the Metro Conservation Corridors partnership to acquire in fee at least 35 acres of high-quality priority state and local natural areas in the metropolitan area, as defined under Minnesota Statutes, section 473.121, subdivision 2, and portions of the surrounding counties. A list of proposed
41.19 41.20 41.21 41.22 41.23 41.24 41.25 41.26 41.27 41.28 41.29 41.30 41.31 41.32	and final products delivered. (f) Metro Conservation Corridors - Phase VIII Strategic Lands Protection \$750,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with The Trust for Public Land for Phase VIII of the Metro Conservation Corridors partnership to acquire in fee at least 35 acres of high-quality priority state and local natural areas in the metropolitan area, as defined under Minnesota Statutes, section 473.121, subdivision 2, and portions of the surrounding counties. A list of proposed acquisitions must be provided as part of the

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

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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as introduced

as introduced

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

(j) Multi-benefit Watershed Scale

44.1

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	2018, by which time the project must be	
45.5	completed and final products delivered.	
45.6	Sec. 6. Laws 2017, chapter 96, section 2, subdivision 8, is amended to read:	
45.7 45.8 45.9	Subd. 8. Methods to Protect or Restore Land, Water, and Habitat 2,729,000 16,554,000	5,000,000
45.10 45.11	· / I	
45.12	\$815,000 the first year is from the trust fund	
45.13	to the Board of Regents of the University of	
45.14	Minnesota in cooperation with the	
45.15	Departments of Agriculture, Natural	
45.16	Resources, and Transportation and the Board	
45.17	of Water and Soil Resources to produce	
45.18	site-specific recommendations for roadside	
45.19	plantings in Minnesota to maximize the	
45.20	nutritional health of native bees and monarch	
45.21	butterflies that rely on roadside habitat	
45.22	corridors. This appropriation is available until	
45.23	June 30, 2020, by which time the project must	
45.24	be completed and final products delivered.	
45.25 45.26		
45.27	\$400,000 the first year is from the trust fund	
45.28	to the Board of Regents of the University of	
45.29	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 predator insects. The integrated	
45.34	pest management strategies will be used to	
45.35	develop best management practices to increase	
45.36	pollinator and beneficial insect diversity and	

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as introduced

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
46.19	restore at least 520 acres of monarch butterfly
46.20	and other native pollinator habitats in at least
46.21	seven state parks in the Minnesota Prairie
46.22	Conservation Plan core areas and establish
46.23	pollinator plantings and interpretive exhibits
46.24	in at least ten state parks. This appropriation
46.25	is available until June 30, 2021, by which time
46.26	the project must be completed and final
46.27	products delivered.
46.28 46.29	(e) Enhancing Spawning Habitat Restoration in Minnesota Lakes
46.30	\$294,000 the first year is from the trust fund
46.31	to the Board of Regents of the University of
46.32	Minnesota, St. Anthony Falls Laboratory, in
46.33	cooperation with the Department of Natural
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

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as introduced

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 47.6	(f) Prescribed-Fire Management for Roadside 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 47.16	(g) Minnesota Bee and Beneficial Species Habitat 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 47.29 47.30	(h) Mississippi and Vermillion Rivers Restoration of Prairie, Savanna, and Forest 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

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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 48.14	(i) Community Stewardship to Restore Urban 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 48.35	(j) Economic Assessment of Precision Conservation and Agriculture

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

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