

S.F. No. 550 and H.F. No. 1265, which had been referred to the Chief Clerk for comparison, were examined and found to be not identical.

The following document shows the differences between S.F. No. 550, the third engrossment, and H.F. No. 1265, the second engrossment.

May 12, 2017

Patrick D. Murphy
Chief Clerk, House of Representatives

Explanation of Comparison Reports

When a Senate File is received from the Senate, it is given its first reading and must be referred to the appropriate standing committee or division under Rule 1.11.

But if the House File companion of that Senate File has already been reported out of Committee and given its second reading and is on the General Register, the Senate File must be referred to the Chief Clerk for comparison pursuant to Rule 1.15.

The Chief Clerk reports whether the bills were found to be identical or not identical. Once the bills have been compared and the differences have been reported, the Senate File is given its second reading and is substituted for the House File. The House File is then considered withdrawn.

Pursuant to rule 3.33, if the bills are not identical and the chief author of the bill wishes to use the House language, the chief author must give notice of their intent to substitute the House language when the bill is placed on the Calendar for the Day or the Fiscal Calendar. If the chief author of the bill wishes to keep the Senate language, no action is required.

1.1 A bill for an act
 1.2 relating to natural resources; appropriating money from environment and natural
 1.3 resources trust fund; **providing for no net gain of state lands in certain counties;**
 1.4 modifying requirements for receipt of fund money; amending Minnesota Statutes
 1.5 2016, sections 116P.05, subdivision 2; 116P.17, subdivision 1; proposing coding
 1.6 for new law in Minnesota Statutes, chapter **15**.

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 "2017," "2018," and "2019" used in this act mean
 1.13 that the appropriations listed under them are available for the fiscal year ending June 30,
 1.14 2017, June 30, 2018, or June 30, 2019, respectively. "The first year" is fiscal year 2018.
 1.15 "The second year" is fiscal year 2019. "The biennium" is fiscal years 2018 and 2019.
 1.16 Appropriations for fiscal year 2017 are available the day following final enactment.

1.17 **APPROPRIATIONS**

1.18 **Available for the Year**

1.19 **Ending June 30**

1.20		<u>2017</u>	<u>2018</u>	<u>2019</u>
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1.21 Sec. 2. **MINNESOTA RESOURCES**

2.1	Subdivision 1. Total			
2.2	Appropriation	\$ 8,428,000	\$ 50,828,000	\$ -0-

2.3 The amounts that may be spent for each
 2.4 purpose are specified in the following
 2.5 subdivisions. Appropriations for fiscal years
 2.6 2018 and 2019 are available for two years
 2.7 beginning July 1, 2017, for fiscal year 2018
 2.8 appropriations and beginning July 1, 2018, for

1.1 A bill for an act
 1.2 relating to natural resources; appropriating money from environment and natural
 1.3 resources trust fund; modifying requirements for receipt of fund money; amending
 1.4 Minnesota Statutes 2016, sections 116P.05, subdivision 2; 116P.17, subdivision
 1.5 1; proposing coding for new law in Minnesota Statutes, chapter **477A**.

1.6 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:

1.7 Section 1. **APPROPRIATIONS.**

1.8 The sums shown in the columns marked "Appropriations" are appropriated to the agencies
 1.9 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 "2017," "2018," and "2019" used in this act mean
 1.12 that the appropriations listed under them are available for the fiscal year ending June 30,
 1.13 2017, June 30, 2018, or June 30, 2019, respectively. "The first year" is fiscal year 2018.
 1.14 "The second year" is fiscal year 2019. "The biennium" is fiscal years 2018 and 2019.
 1.15 Appropriations for fiscal year 2017 are available the day following final enactment.

1.16 **APPROPRIATIONS**

1.17 **Available for the Year**

1.18 **Ending June 30**

1.19		<u>2017</u>	<u>2018</u>	<u>2019</u>
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1.20 Sec. 2. **MINNESOTA RESOURCES**

1.21	Subdivision 1. Total			
1.22	Appropriation	\$ 8,428,000	\$ 50,733,000	\$ 5,089,000

2.1 The amounts that may be spent for each
 2.2 purpose are specified in the following
 2.3 subdivisions. Appropriations for fiscal years
 2.4 2018 and 2019 are available for two years
 2.5 beginning July 1, 2017, for fiscal year 2018
 2.6 appropriations and beginning July 1, 2018, for

2.9 fiscal year 2019 appropriations, unless
 2.10 otherwise stated in the appropriation. Any
 2.11 unencumbered balance remaining in the first
 2.12 year does not cancel and is available for the
 2.13 second year or until the end of the
 2.14 appropriation. Appropriations for fiscal year
 2.15 2017 are available until June 30, 2018, unless
 2.16 otherwise stated in the appropriation.

2.17 **Subd. 2. Definition**

2.18 "Trust fund" means the Minnesota
 2.19 environment and natural resources trust fund
 2.20 established under the Minnesota Constitution,
 2.21 article XI, section 14.

2.22 **Subd. 3. Foundational**
 2.23 **Natural Resource Data and**
 2.24 **Information**

<u>3,700,000</u>	<u>6,869,000</u>	<u>-0-</u>
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2.25 **(a) County Geologic Atlases - Continuation**

2.26 \$3,700,000 in fiscal year 2017 is from the trust
 2.27 fund to the Board of Regents of the University
 2.28 of Minnesota, Minnesota Geological Survey,
 2.29 to continue acceleration of the production of
 2.30 county geologic atlases for the purpose of
 2.31 sustainable management of surface water and
 2.32 groundwater resources. This appropriation is
 2.33 to complete Part A of county geologic atlases,
 2.34 which focuses on the properties and
 2.35 distribution of earth materials in order to
 2.36 define aquifer boundaries and the connection
 3.1 of aquifers to the land surface and surface
 3.2 water resources. This appropriation is
 3.3 available until June 30, 2020, by which time
 3.4 the project must be completed and final
 3.5 products delivered.

3.6 **(b) Assessment of Public Benefits of Protecting**
 3.7 **Source Water**

3.8 \$320,000 the first year is from the trust fund
 3.9 to the Board of Regents of the University of
 3.10 Minnesota to map and quantify source water

2.7 fiscal year 2019 appropriations, unless
 2.8 otherwise stated in the appropriation. Any
 2.9 unencumbered balance remaining in the first
 2.10 year does not cancel and is available for the
 2.11 second year or until the end of the
 2.12 appropriation. Appropriations for fiscal year
 2.13 2017 are available until June 30, 2018, unless
 2.14 otherwise stated in the appropriation.

2.15 **Subd. 2. Definition**

2.16 "Trust fund" means the Minnesota
 2.17 environment and natural resources trust fund
 2.18 established under the Minnesota Constitution,
 2.19 article XI, section 14.

2.20 **Subd. 3. Foundational**
 2.21 **Natural Resource Data and**
 2.22 **Information**

<u>4,729,000</u>	<u>7,872,000</u>	<u>89,000</u>
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2.23 **(a) County Geologic Atlases - Continuation**

2.24 \$4,729,000 in fiscal year 2017 is from the trust
 2.25 fund to the Board of Regents of the University
 2.26 of Minnesota, Minnesota Geological Survey,
 2.27 to continue acceleration of the production of
 2.28 county geologic atlases for the purpose of
 2.29 sustainable management of surface water and
 2.30 groundwater resources. This appropriation is
 2.31 to complete Part A of county geologic atlases,
 2.32 which focuses on the properties and
 2.33 distribution of earth materials in order to
 2.34 define aquifer boundaries and the connection
 2.35 of aquifers to the land surface and surface
 2.36 water resources. This appropriation is
 3.1 available until June 30, 2020, by which time
 3.2 the project must be completed and final
 3.3 products delivered.

3.4 **(b) Assessment of Public Benefits of Protecting**
 3.5 **Source Water**

3.6 \$320,000 the first year is from the trust fund
 3.7 to the Board of Regents of the University of
 3.8 Minnesota to map and quantify source water

3.11 risks, determine ecosystem service valuation
 3.12 of clean water, and provide analyses of equity
 3.13 and community capacity to improve decisions
 3.14 about the protection and management of
 3.15 groundwater and surface water. This
 3.16 appropriation is available until June 30, 2020,
 3.17 by which time the project must be completed
 3.18 and final products delivered.

3.19 **(c) Preserving Minnesota Prairie Plant Diversity**
 3.20 **- Phase II**

3.21 \$900,000 the first year is from the trust fund
 3.22 to the Board of Regents of the University of
 3.23 Minnesota to continue collecting and
 3.24 preserving germplasm of plants throughout
 3.25 Minnesota's prairie region, study the microbial
 3.26 effects that promote plant health, analyze local
 3.27 adaptation, and evaluate the adaptive capacity
 3.28 of prairie plant populations. This appropriation
 3.29 is available until June 30, 2020, by which time
 3.30 the project must be completed and final
 3.31 products delivered.

3.32 **(d) Minnesota Biological Survey - Continuation**

3.33 \$2,900,000 the first year is from the trust fund
 3.34 to the commissioner of natural resources for
 3.35 continuation of the Minnesota biological
 3.36 survey to provide a foundation for conserving
 4.1 biological diversity by systematically
 4.2 collecting, interpreting, monitoring, and
 4.3 delivering data on plant and animal
 4.4 distribution and ecology, native plant
 4.5 communities, and functional landscapes. This
 4.6 appropriation is available until June 30, 2020,
 4.7 by which time the project must be completed
 4.8 and final products delivered.

4.9 **(e) Minnesota Wildflowers Online Botanical**
 4.10 **Reference - Phase II**

4.11 \$270,000 the first year is from the trust fund
 4.12 to the commissioner of natural resources for
 4.13 an agreement with Minnesota Wildflowers

3.9 risks, determine ecosystem service valuation
 3.10 of clean water, and provide analyses of equity
 3.11 and community capacity to improve decisions
 3.12 about the protection and management of
 3.13 groundwater and surface water. This
 3.14 appropriation is available until June 30, 2020,
 3.15 by which time the project must be completed
 3.16 and final products delivered.

3.17 **(c) Preserving Minnesota Prairie Plant Diversity**
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 3.20 to the Board of Regents of the University of
 3.21 Minnesota to continue collecting and
 3.22 preserving germplasm of plants throughout
 3.23 Minnesota's prairie region, study the microbial
 3.24 effects that promote plant health, analyze local
 3.25 adaptation, and evaluate the adaptive capacity
 3.26 of prairie plant populations. This appropriation
 3.27 is available until June 30, 2020, by which time
 3.28 the project must be completed and final
 3.29 products delivered.

3.30 **(d) Minnesota Biological Survey - Continuation**

3.31 \$2,900,000 the first year is from the trust fund
 3.32 to the commissioner of natural resources for
 3.33 continuation of the Minnesota biological
 3.34 survey to provide a foundation for conserving
 3.35 biological diversity by systematically
 3.36 collecting, interpreting, monitoring, and
 4.1 delivering data on plant and animal
 4.2 distribution and ecology, native plant
 4.3 communities, and functional landscapes. This
 4.4 appropriation is available until June 30, 2020,
 4.5 by which time the project must be completed
 4.6 and final products delivered.

4.7 **(e) Minnesota Wildflowers Online Botanical**
 4.8 **Reference - Phase II**

4.9 \$270,000 the first year is from the trust fund
 4.10 to the commissioner of natural resources for
 4.11 an agreement with Minnesota Wildflowers

4.14 Information to continue surveying and imaging
 4.15 plant species and publishing species profiles
 4.16 for a plant identification reference Web site
 4.17 available to the public and land managers.
 4.18 Images acquired and information compiled
 4.19 using these funds are for purposes of public
 4.20 information available on a Web site. If the
 4.21 organization is no longer able to maintain the
 4.22 Web site, the organization must work with the
 4.23 state and the University of Minnesota, Bell
 4.24 Museum of Natural History, to ensure the
 4.25 materials remain publicly available on the
 4.26 Web. This appropriation is available until June
 4.27 30, 2020, by which time the project must be
 4.28 completed and final products delivered.

4.29 **(f) Drainage Records Modernization Cost Share**
 4.30 **- Phase II**

4.31 \$540,000 the first year is from the trust fund
 4.32 to the Board of Water and Soil Resources to
 4.33 facilitate statewide modernization of public
 4.34 drainage records under Minnesota Statutes,
 4.35 chapter 103E, and integrate new specifications
 4.36 into existing drainage records modernization
 5.1 guidelines through matching cost-share grants
 5.2 to drainage authorities. This appropriation is
 5.3 available until June 30, 2020, by which time
 5.4 the project must be completed and final
 5.5 products delivered.

5.6 **(g) Groundwater Contamination Mapping**

5.7 \$400,000 the first year is from the trust fund
 5.8 to the commissioner of the Pollution Control
 5.9 Agency to develop a Web-based interactive
 5.10 map of groundwater contamination to improve
 5.11 protection of groundwater resources for
 5.12 drinking water. This appropriation is available
 5.13 until June 30, 2020, by which time the project
 5.14 must be completed and final products
 5.15 delivered.

4.12 Information to continue surveying and imaging
 4.13 plant species and publishing species profiles
 4.14 for a plant identification reference Web site
 4.15 available to the public and land managers.
 4.16 Images acquired and information compiled
 4.17 using these funds are for purposes of public
 4.18 information available on a Web site. If the
 4.19 organization is no longer able to maintain the
 4.20 Web site, the organization must work with the
 4.21 state and the University of Minnesota, Bell
 4.22 Museum of Natural History, to ensure the
 4.23 materials remain publicly available on the
 4.24 Web. This appropriation is available until June
 4.25 30, 2020, by which time the project must be
 4.26 completed and final products delivered.

4.27 **(f) Assessment of Microbes for Improving Wild**
 4.28 **Rice Restoration**

4.29 \$334,000 the first year is from the trust fund
 4.30 to the Board of Regents of the University of
 4.31 Minnesota, Natural Resources Research
 4.32 Institute, to evaluate the microbial
 4.33 communities and nutrients associated with
 4.34 wild rice and competing vegetation, with the
 4.35 goal of enhancing restoration success to
 4.36 increase the abundance of wild rice. This
 5.1 appropriation is available until June 30, 2020,
 5.2 by which time the project must be completed
 5.3 and final products delivered.

5.4 **(g) Drainage Records Modernization Cost Share**
 5.5 **- Phase II**

5.6 \$540,000 the first year is from the trust fund
 5.7 to the Board of Water and Soil Resources to
 5.8 facilitate statewide modernization of public
 5.9 drainage records under Minnesota Statutes,
 5.10 chapter 103E, and integrate new specifications
 5.11 into existing drainage records modernization
 5.12 guidelines through matching cost-share grants
 5.13 to drainage authorities. This appropriation is
 5.14 available until June 30, 2020, by which time

5.16 **(h) Landslide Susceptibility, Mapping, and**
5.17 **Management Tools**

5.18 \$500,000 the first year is from the trust fund
5.19 to the Board of Regents of the University of
5.20 Minnesota to create landslide susceptibility
5.21 maps using a landslide inventory and
5.22 quantitative analysis of LiDAR to provide
5.23 tools and data for mitigation and restoration
5.24 to reduce impacts on water resources. This
5.25 appropriation is available until June 30, 2020,
5.26 by which time the project must be completed
5.27 and final products delivered.

5.28 **(i) Moose Calf Surveys and Monitoring**

5.29 \$348,000 the first year is from the trust fund
5.30 to the Board of Regents of the University of
5.31 Minnesota to assess the use of unmanned
5.32 aerial vehicles in natural resource monitoring
5.33 of moose populations and changes in
5.34 ecosystems.

5.35 **(j) Cedar Creek Natural Area Wolf**
5.36 **Recolonization Assessment**

6.1 \$398,000 the first year is from the trust fund
6.2 to the Board of Regents of the University of
6.3 Minnesota, Cedar Creek Ecosystem Science
6.4 Reserve, to assess wolf recolonization impacts
6.5 on wildlife, biodiversity, and natural resources
6.6 and provide educational opportunities at Cedar
6.7 Creek Ecosystem Science Reserve. This
6.8 appropriation is available until June 30, 2020,
6.9 by which time the project must be completed
6.10 and final products delivered.

6.11 **(k) Effects of Wolf Predation on Beaver, Moose,**
6.12 **and Deer**

6.13 \$293,000 the first year is from the trust fund
6.14 to the commissioner of natural resources for
6.15 an agreement with Voyageurs National Park
6.16 to assess the effects of wolf predation on
6.17 beaver, moose, and deer in the Border Lakes

5.15 the project must be completed and final
5.16 products delivered.

5.17 **(h) Groundwater Contamination Mapping**

5.18 \$400,000 the first year is from the trust fund
5.19 to the commissioner of the Pollution Control
5.20 Agency to develop a Web-based interactive
5.21 map of groundwater contamination to improve
5.22 protection of groundwater resources for
5.23 drinking water. This appropriation is available
5.24 until June 30, 2020, by which time the project
5.25 must be completed and final products
5.26 delivered.

5.27 **(i) Landslide Susceptibility, Mapping, and**
5.28 **Management Tools**

5.29 \$500,000 the first year is from the trust fund
5.30 to the Board of Regents of the University of
5.31 Minnesota to create landslide susceptibility
5.32 maps using a landslide inventory and
5.33 quantitative analysis of LiDAR to provide
5.34 tools and data for mitigation and restoration
5.35 to reduce impacts on water resources. This
5.36 appropriation is available until June 30, 2020,
6.1 by which time the project must be completed
6.2 and final products delivered.

6.3 **(j) Moose Calf Surveys and Monitoring**

6.4 \$348,000 the first year is from the trust fund
6.5 to the Board of Regents of the University of
6.6 Minnesota to assess the use of unmanned
6.7 aerial vehicles in natural resource monitoring
6.8 of moose populations and changes in
6.9 ecosystems.

6.10 **(k) Cedar Creek Natural Area Wolf**
6.11 **Recolonization Assessment**

6.12 \$398,000 the first year is from the trust fund
6.13 to the Board of Regents of the University of
6.14 Minnesota, Cedar Creek Ecosystem Science
6.15 Reserve, to assess wolf recolonization impacts
6.16 on wildlife, biodiversity, and natural resources

7.18 \$300,000 the first year is from the trust fund
 7.19 to the commissioner of natural resources for
 7.20 an agreement with the University of St.
 7.21 Thomas to reassess long-term effects of oil
 7.22 spills through the analysis of chemical
 7.23 parameters related to oil degradation and
 7.24 evaluate the impacts on aquatic species,
 7.25 groundwater, and surface waters. This
 7.26 appropriation is available until June 30, 2021,
 7.27 by which time the project must be completed
 7.28 and final products delivered.

7.29 **(e) Assessment of Water Quality for Reuse**

7.30 \$148,000 the first year is from the trust fund
 7.31 to the Board of Regents of the University of
 7.32 Minnesota to collect and analyze pathogen
 7.33 data for evaluation of water reuse in order to
 7.34 maximize water reuse and protect groundwater
 7.35 and surface water quality.

8.1 **(f) Identification of Chemicals of Emerging**
 8.2 **Concern in Minnesota Fish**

8.3 \$400,000 the first year is from the trust fund
 8.4 to the commissioner of natural resources for
 8.5 an agreement with the Grand Portage Band of
 8.6 Lake Superior Chippewa to identify chemicals
 8.7 of emerging concern and metals in fish, water,
 8.8 and sediments from approximately 30 water
 8.9 bodies in northeastern Minnesota used for
 8.10 subsistence harvest and recreation. This
 8.11 appropriation is available until June 30, 2020,
 8.12 by which time the project must be completed
 8.13 and final products delivered.

8.14 **(g) Techniques for Water Storage Estimates in**
 8.15 **Central Minnesota**

8.16 \$250,000 the first year is from the trust fund
 8.17 to the Board of Regents of the University of
 8.18 Minnesota to improve water storage estimates
 8.19 in groundwater, soil moisture, streams, lakes,
 8.20 and wetlands through integration of satellite
 8.21 monitoring and ground-based measurements

7.19	<u>Subd. 4. Water Resources</u>	-0-	<u>3,175,000</u>	-0-
7.20	<u>(a) Assessment of Household Chemicals and</u>			
7.21	<u>Herbicides in Rivers and Lakes</u>			
7.22	<u>\$236,000 the first year is from the trust fund</u>			
7.23	<u>to the Board of Regents of the University of</u>			
7.24	<u>Minnesota to quantify environmental levels</u>			
7.25	<u>of household chemical and herbicide</u>			
7.26	<u>ingredients in rivers and lakes and assess their</u>			
7.27	<u>potential to form toxic by-products.</u>			
7.28	<u>(b) Wastewater Nitrogen Removal Technology</u>			
7.29	<u>to Protect Water Quality</u>			
7.30	<u>\$450,000 the first year is from the trust fund</u>			
7.31	<u>to the Board of Regents of the University of</u>			
7.32	<u>Minnesota to develop a technology for</u>			
7.33	<u>inexpensive low-energy nitrogen removal in</u>			
7.34	<u>wastewater. This appropriation is subject to</u>			
7.35	<u>Minnesota Statutes, section 116P.10. This</u>			
7.36	<u>appropriation is available until June 30, 2020,</u>			
8.1	<u>by which time the project must be completed</u>			
8.2	<u>and final products delivered.</u>			
8.3	<u>(c) Rearing Native Mussels for Reintroduction</u>			
8.4	<u>and Expanding Water Quality Awareness</u>			
8.5	<u>\$591,000 the first year is from the trust fund</u>			
8.6	<u>to the Minnesota Zoological Garden in</u>			
8.7	<u>cooperation with the Department of Natural</u>			
8.8	<u>Resources to accelerate the reintroduction of</u>			
8.9	<u>native mussels into Minnesota rivers and</u>			
8.10	<u>streams through expanded mussel rearing,</u>			
8.11	<u>research, and statewide educational activities</u>			
8.12	<u>promoting mussel conservation and water</u>			
8.13	<u>quality. This appropriation is available until</u>			
8.14	<u>June 30, 2020, by which time the project must</u>			
8.15	<u>be completed and final products delivered.</u>			
8.16	<u>(d) Water Quality Monitoring in Southeastern</u>			
8.17	<u>Minnesota Trout Streams</u>			
8.18	<u>\$500,000 the first year is from the trust fund</u>			
8.19	<u>to the Board of Trustees of Minnesota State</u>			

8.22 in central Minnesota. This appropriation is
 8.23 available until June 30, 2020, by which time
 8.24 the project must be completed and final
 8.25 products delivered.

8.26 **(h) Assessing Release of Mercury and Sulfur on**
 8.27 **Aquatic Communities**

8.28 \$300,000 the first year is from the trust fund
 8.29 to the Board of Regents of the University of
 8.30 Minnesota to determine the effects of
 8.31 increased temperatures on the release of
 8.32 mercury and sulfur from Minnesota peatlands
 8.33 to predict impacts on aquatic communities and
 8.34 fish health. This appropriation is available
 8.35 until June 30, 2020, by which time the project
 9.1 must be completed and final products
 9.2 delivered.

9.3 **Subd. 5. Environmental**
 9.4 **Education**

-0- 2,817,000 -0-

9.5 **(a) Connecting Youth to Minnesota Waterways**
 9.6 **through Outdoor Classrooms**

9.7 \$1,200,000 the first year is from the trust fund
 9.8 to the commissioner of natural resources for
 9.9 an agreement with Wilderness Inquiry to
 9.10 provide place-based environmental education
 9.11 science water experiences to approximately
 9.12 20,000 middle- and high-school students. This
 9.13 appropriation is available until June 30, 2020,
 9.14 by which time the project must be completed
 9.15 and final products delivered.

9.16 **(b) Increasing Diversity in Environmental**
 9.17 **Careers**

9.18 \$1,487,000 the first year is from the trust fund
 9.19 to the commissioner of natural resources in
 9.20 cooperation with Conservation Corps
 9.21 Minnesota and Iowa to encourage a diversity
 9.22 of students to pursue careers in environment
 9.23 and natural resources through internships and
 9.24 mentorships with the Department of Natural

8.20 Colleges and Universities, Winona State
 8.21 University, to develop a system of biological
 8.22 monitoring for water quality protection of trout
 8.23 streams in southeastern Minnesota. This
 8.24 appropriation is available until June 30, 2020,
 8.25 by which time the project must be completed
 8.26 and final products delivered.

8.27 **(e) Reassessing Toxicity of Petrochemical Spills**
 8.28 **on Groundwater and Surface Waters**

8.29 \$300,000 the first year is from the trust fund
 8.30 to the commissioner of natural resources for
 8.31 an agreement with the University of St.
 8.32 Thomas to reassess long-term effects of oil
 8.33 spills through the analysis of chemical
 8.34 parameters related to oil degradation and
 8.35 evaluate the impacts on aquatic species,
 8.36 groundwater, and surface waters. This
 9.1 appropriation is available until June 30, 2021,
 9.2 by which time the project must be completed
 9.3 and final products delivered.

9.4 **(f) Assessment of Water Quality for Reuse**

9.5 \$148,000 the first year is from the trust fund
 9.6 to the Board of Regents of the University of
 9.7 Minnesota to collect and analyze pathogen
 9.8 data for evaluation of water reuse in order to
 9.9 maximize water reuse and protect groundwater
 9.10 and surface water quality.

9.11 **(g) Identification of Chemicals of Emerging**
 9.12 **Concern in Minnesota Fish**

9.13 \$400,000 the first year is from the trust fund
 9.14 to the commissioner of natural resources for
 9.15 an agreement with the Grand Portage Band of
 9.16 Lake Superior Chippewa to identify chemicals
 9.17 of emerging concern and metals in fish, water,
 9.18 and sediments from approximately 30 water
 9.19 bodies in northeastern Minnesota used for
 9.20 subsistence harvest and recreation. This
 9.21 appropriation is available until June 30, 2020,

9.25 Resources, the Board of Water and Soil
 9.26 Resources, and the Pollution Control Agency.
 9.27 This appropriation is available until June 30,
 9.28 2022, by which time the project must be
 9.29 completed and final products delivered.

9.30 **(c) Increasing Residential Environmental**
 9.31 **Learning Center Opportunities**

9.32 \$130,000 the first year is from the trust fund
 9.33 to the commissioner of natural resources for
 9.34 an agreement with the Audubon Center of the
 9.35 North Woods to provide scholarship
 9.36 opportunities for a minimum of 1,000 students
 9.37 that are not currently served through other
 10.1 residential environmental education learning
 10.2 centers. This appropriation is available until
 10.3 June 30, 2020, by which time the project must
 10.4 be completed and final products delivered.

10.5 **Subd. 6. Aquatic and**
 10.6 **Terrestrial Invasive Species** 2,700,000 2,021,000 -0-

10.7 **(a) Aquatic Invasive Species Research Center -**
 10.8 **Phase II**

10.9 \$2,700,000 in fiscal year 2017 is from the trust
 10.10 fund to the Board of Regents of the University
 10.11 of Minnesota to support the Minnesota
 10.12 Aquatic Invasive Species Research Center in
 10.13 finding solutions to Minnesota's aquatic
 10.14 invasive species problems through research,
 10.15 control, prevention, and early detection of
 10.16 existing and emerging aquatic invasive species
 10.17 threats. This appropriation is available until
 10.18 June 30, 2021, by which time the project must
 10.19 be completed and final products delivered.

10.20 **(b) Emerald Ash Borer Biocontrol - Phase III**

10.21 \$729,000 the first year is from the trust fund
 10.22 to the commissioner of agriculture in
 10.23 cooperation with the Board of Regents of the
 10.24 University of Minnesota to implement
 10.25 biocontrol of emerald ash borer using a newly

9.22 by which time the project must be completed
 9.23 and final products delivered.

9.24 **(h) Techniques for Water Storage Estimates in**
 9.25 **Central Minnesota**

9.26 \$250,000 the first year is from the trust fund
 9.27 to the Board of Regents of the University of
 9.28 Minnesota to improve water storage estimates
 9.29 in groundwater, soil moisture, streams, lakes,
 9.30 and wetlands through integration of satellite
 9.31 monitoring and ground-based measurements
 9.32 in central Minnesota. This appropriation is
 9.33 available until June 30, 2020, by which time
 9.34 the project must be completed and final
 9.35 products delivered.

10.1 **(i) Assessing Release of Mercury and Sulfur on**
 10.2 **Aquatic Communities**

10.3 \$300,000 the first year is from the trust fund
 10.4 to the Board of Regents of the University of
 10.5 Minnesota to determine the effects of
 10.6 increased temperatures on the release of
 10.7 mercury and sulfur from Minnesota peatlands
 10.8 to predict impacts on aquatic communities and
 10.9 fish health. This appropriation is available
 10.10 until June 30, 2020, by which time the project
 10.11 must be completed and final products
 10.12 delivered.

10.13 **Subd. 5. Environmental**
 10.14 **Education** -0- 4,421,000 -0-

10.15 **(a) Connecting Youth to Minnesota Waterways**
 10.16 **through Outdoor Classrooms**

10.17 \$1,200,000 the first year is from the trust fund
 10.18 to the commissioner of natural resources for
 10.19 an agreement with Wilderness Inquiry to
 10.20 provide place-based environmental education
 10.21 science water experiences to approximately
 10.22 20,000 middle- and high-school students. This
 10.23 appropriation is available until June 30, 2020,

10.26 approved parasitic wasp, assess the impact of
 10.27 the statewide program, and engage citizen
 10.28 volunteers. This appropriation is available
 10.29 until June 30, 2020, by which time the project
 10.30 must be completed and final products
 10.31 delivered.

10.32 **(c) Invasive Bighead and Silver Carp and Native**
 10.33 **Fish Evaluation - Phase II**

10.34 \$500,000 the first year is from the trust fund
 10.35 to the commissioner of natural resources to
 10.36 continue invasive bighead and silver carp
 11.1 monitoring in the Mississippi River and
 11.2 tributaries through advanced acoustic
 11.3 telemetry and assess food chains to determine
 11.4 how native species might prevent invasive
 11.5 bighead and silver carp establishment. This
 11.6 appropriation is available until June 30, 2020,
 11.7 by which time the project must be completed
 11.8 and final products delivered.

11.9 **(d) Adapting Stream Barriers to Remove**
 11.10 **Common Carp**

11.11 \$301,000 the first year is from the trust fund
 11.12 to the Board of Regents of the University of
 11.13 Minnesota to conduct field tests at existing
 11.14 barrier sites and laboratory experiments to
 11.15 adapt a technology to remove common carp
 11.16 from streams during carp spawning migrations
 11.17 in Minnesota.

11.18 **(e) Tactical Invasive Plant Management Plan**
 11.19 **Development**

11.20 \$296,000 the first year is from the trust fund
 11.21 to the commissioner of agriculture in
 11.22 cooperation with the Board of Regents of the
 11.23 University of Minnesota to develop regional
 11.24 priorities and an interagency action plan for
 11.25 invasive plant management to protect and
 11.26 promote habitat and native species. This
 11.27 appropriation is available until June 30, 2020,

10.24 by which time the project must be completed
 10.25 and final products delivered.

10.26 **(b) Youth Convening Minnesota - Phase II**

10.27 \$300,000 the first year is from the trust fund
 10.28 to the commissioner of natural resources for
 10.29 an agreement with Climate Generation: A Will
 10.30 Steger Legacy to plan and conduct forums,
 10.31 workshops, and training for youth on
 10.32 Minnesota's climate and its impact on natural
 10.33 resources. This appropriation is available until
 10.34 June 30, 2020, by which time the project must
 10.35 be completed and final products delivered.

10.36 **(c) Increasing Diversity in Environmental**
 10.37 **Careers**

11.1 \$1,487,000 the first year is from the trust fund
 11.2 to the commissioner of natural resources in
 11.3 cooperation with Conservation Corps
 11.4 Minnesota and Iowa to encourage a diversity
 11.5 of students to pursue careers in environment
 11.6 and natural resources through internships and
 11.7 mentorships with the Department of Natural
 11.8 Resources, the Board of Water and Soil
 11.9 Resources, and the Pollution Control Agency.
 11.10 This appropriation is available until June 30,
 11.11 2022, by which time the project must be
 11.12 completed and final products delivered.

11.13 **(d) Interactive Water Resource Programs for**
 11.14 **Planetariums in Minnesota**

11.15 \$500,000 the first year is from the trust fund
 11.16 to the Board of Regents of the University of
 11.17 Minnesota, Bell Museum of Natural History,
 11.18 to create an interactive planetarium program
 11.19 on water resources, reaching approximately
 11.20 400,000 citizens statewide through the Bell
 11.21 Museum Planetarium, St. Paul Public Schools,
 11.22 Mayo High School, Mankato East High
 11.23 School, Southwest Minnesota State University,
 11.24 Minnesota State University Moorhead, and

11.28 by which time the project must be completed
11.29 and final products delivered.

11.30 **(f) Maximize Value of Water Impoundments to**
11.31 **Wildlife**

11.32 \$195,000 the first year is from the trust fund
11.33 to the commissioner of natural resources for
11.34 an agreement with the National Audubon
11.35 Society, Minnesota office, to control invasive
11.36 hybrid cattails in water impoundments to
12.1 improve habitat quality for migrating and
12.2 breeding birds. This appropriation is available
12.3 until June 30, 2020, by which time the project
12.4 must be completed and final products
12.5 delivered.

12.6 **Subd. 7. Air Quality, Climate**
12.7 **Change, and Renewable**
12.8 **Energy**

-0-

1,700,000

-0-

12.9 **(a) Assessment of Urban Air Quality**

12.10 \$700,000 the first year is from the trust fund
12.11 to the commissioner of the Pollution Control
12.12 Agency to set up and operate a network of 250
12.13 air pollution sensors at 50 sites to monitor fine
12.14 particles, ozone, nitrogen oxides, sulfur
12.15 dioxide, and carbon monoxide in each zip code
12.16 for the cities of Minneapolis and St. Paul to
12.17 assess variability of urban air pollution. This
12.18 appropriation is available until June 30, 2020,
12.19 by which time the project must be completed
12.20 and final products delivered.

12.21 **(b) District Heating with Renewable Biomass at**
12.22 **Camp Ripley Training Center**

12.23 \$1,000,000 the first year is from the trust fund
12.24 to the commissioner of military affairs to
12.25 install a 5,000,000-BTU centralized biomass
12.26 boiler system utilizing the forestry
12.27 management at Camp Ripley. This
12.28 appropriation must be matched by at least
12.29 \$900,000 of nonstate money and must be

11.25 University of Minnesota Duluth. This
11.26 appropriation is available until June 30, 2022,
11.27 by which time the project must be completed
11.28 and final products delivered.

11.29 **(e) Expanding Raptor Center Online Education**

11.30 \$270,000 the first year is from the trust fund
11.31 to the Board of Regents of the University of
11.32 Minnesota, Raptor Center, to provide
11.33 environmental education for approximately
11.34 15,000 middle-school students and 600
11.35 teachers, combining classroom learning and
11.36 outdoor experiences with technology,
12.1 scientific investigation of birds, and
12.2 conservation projects. This appropriation is
12.3 available until June 30, 2022, by which time
12.4 the project must be completed and final
12.5 products delivered.

12.6 **(f) Local Planning and Implementation Efforts**
12.7 **for Bird Habitat**

12.8 \$280,000 the first year is from the trust fund
12.9 to the commissioner of natural resources for
12.10 an agreement with the National Audubon
12.11 Society, Minnesota office, to engage
12.12 approximately 60 communities and 400,000
12.13 citizens in bird habitat improvement through
12.14 local planning and implementation efforts
12.15 using the National Audubon Bird City
12.16 program. This appropriation is available until
12.17 June 30, 2020, by which time the project must
12.18 be completed and final products delivered.

12.19 **(g) Developing Youth Watershed Stewardship**
12.20 **in Northwest Minnesota**

12.21 \$121,000 the first year is from the trust fund
12.22 to the commissioner of natural resources for
12.23 an agreement with the Headwaters Science
12.24 Center to accelerate a multiyear environmental
12.25 science club for middle-school students
12.26 focused on water quality, watershed
12.27 evaluation, and aquatic invasive species in

12.30 committed by December 31, 2017. This
 12.31 appropriation is available until June 30, 2020,
 12.32 by which time the project must be completed
 12.33 and final products delivered.

12.34 **Subd. 8. Methods to Protect**
 12.35 **or Restore Land, Water, and**
 12.36 **Habitat** 1,029,000 27,639,000 -0-

12.37 **(a) Optimizing the Nutrition of Roadside Plants**
 12.38 **for Pollinators**

13.1 \$815,000 the first year is from the trust fund
 13.2 to the Board of Regents of the University of
 13.3 Minnesota in cooperation with the
 13.4 Departments of Agriculture, Natural
 13.5 Resources, and Transportation and the Board
 13.6 of Water and Soil Resources to produce
 13.7 site-specific recommendations for roadside
 13.8 plantings in Minnesota to maximize the
 13.9 nutritional health of native bees and monarch
 13.10 butterflies that rely on roadside habitat
 13.11 corridors. This appropriation is available until
 13.12 June 30, 2020, by which time the project must
 13.13 be completed and final products delivered.

13.14 **(b) Promoting Conservation Biocontrol of**
 13.15 **Beneficial Insects**

13.16 \$400,000 the first year is from the trust fund
 13.17 to the Board of Regents of the University of
 13.18 Minnesota to research integrated pest
 13.19 management strategies, including insecticide
 13.20 alternatives, and overwintering habitat sites
 13.21 to conserve beneficial insects, including bees,
 13.22 butterflies, and predator insects. The integrated
 13.23 pest management strategies will be used to
 13.24 develop best management practices to increase
 13.25 pollinator and beneficial insect diversity and
 13.26 abundance in various restored habitats. This
 13.27 appropriation is available until June 30, 2020,
 13.28 by which time the project must be completed
 13.29 and final products delivered.

12.28 northwestern Minnesota. This appropriation
 12.29 is available until June 30, 2020, by which time
 12.30 the project must be completed and final
 12.31 products delivered.

12.32 **(h) Increasing Residential Environmental**
 12.33 **Learning Center Opportunities**

12.34 \$130,000 the first year is from the trust fund
 12.35 to the commissioner of natural resources for
 12.36 an agreement with the Audubon Center of the
 13.1 North Woods to provide scholarship
 13.2 opportunities for a minimum of 1,000 students
 13.3 that are not currently served through other
 13.4 residential environmental education learning
 13.5 centers. This appropriation is available until
 13.6 June 30, 2020, by which time the project must
 13.7 be completed and final products delivered.

13.8 **(i) Workshops and Outreach to Protect Raptors**
 13.9 **from Lead Poisoning**

13.10 \$133,000 the first year is from the trust fund
 13.11 to the Board of Regents of the University of
 13.12 Minnesota, Raptor Center, in cooperation with
 13.13 the Department of Natural Resources and other
 13.14 conservation partners to provide hunters with
 13.15 outreach and workshops on alternatives to lead
 13.16 hunting ammunition, including copper
 13.17 ammunition as an alternative, and to promote
 13.18 voluntary selection of nontoxic ammunition
 13.19 to protect raptors and other wildlife in
 13.20 Minnesota from accidental lead poisoning
 13.21 caused by ingestion of ammunition fragments.

13.22 **Subd. 6. Aquatic and**
 13.23 **Terrestrial Invasive Species** 2,700,000 2,021,000 -0-

13.24 **(a) Aquatic Invasive Species Research Center -**
 13.25 **Phase II**

13.26 \$2,700,000 in fiscal year 2017 is from the trust
 13.27 fund to the Board of Regents of the University
 13.28 of Minnesota to support the Minnesota

13.30 **(c) Evaluating the Use of Bison to Restore and**
 13.31 **Preserve Savanna Habitat**

13.32 \$388,000 the first year is from the trust fund
 13.33 to the Board of Regents of the University of
 13.34 Minnesota, Cedar Creek Ecosystem Science
 13.35 Reserve, to research combined bison grazing
 13.36 and fire management strategies to restore
 14.1 Minnesota's oak savanna ecosystems. This
 14.2 appropriation is available until June 30, 2020,
 14.3 by which time the project must be completed
 14.4 and final products delivered.

14.5 **(d) State Park Pollinator Habitat Restoration**

14.6 \$672,000 the first year is from the trust fund
 14.7 to the commissioner of natural resources to
 14.8 restore at least 520 acres of monarch butterfly
 14.9 and other native pollinator habitats in at least
 14.10 seven state parks in the Minnesota Prairie
 14.11 Conservation Plan core areas and establish
 14.12 pollinator plantings and interpretive exhibits
 14.13 in at least ten state parks. This appropriation
 14.14 is available until June 30, 2021, by which time
 14.15 the project must be completed and final
 14.16 products delivered.

14.17 **(e) Enhancing Spawning Habitat Restoration in**
 14.18 **Minnesota Lakes**

14.19 \$294,000 the first year is from the trust fund
 14.20 to the Board of Regents of the University of
 14.21 Minnesota, St. Anthony Falls Laboratory, in
 14.22 cooperation with the Department of Natural
 14.23 Resources to enhance efforts to increase
 14.24 natural reproduction of fish in Minnesota lakes
 14.25 by assessing wave energy impacts on
 14.26 near-shore spawning habitat. This
 14.27 appropriation is available until June 30, 2020,
 14.28 by which time the project must be completed
 14.29 and final products delivered.

14.30 **(f) Prescribed-Fire Management for Roadside**
 14.31 **Prairies**

13.29 Aquatic Invasive Species Research Center in
 13.30 finding solutions to Minnesota's aquatic
 13.31 invasive species problems through research,
 13.32 control, prevention, and early detection of
 13.33 existing and emerging aquatic invasive species
 13.34 threats. This appropriation is available until
 13.35 June 30, 2021, by which time the project must
 13.36 be completed and final products delivered.

13.37 **(b) Emerald Ash Borer Biocontrol - Phase III**

14.1 \$729,000 the first year is from the trust fund
 14.2 to the commissioner of agriculture in
 14.3 cooperation with the Board of Regents of the
 14.4 University of Minnesota to implement
 14.5 biocontrol of emerald ash borer using a newly
 14.6 approved parasitic wasp, assess the impact of
 14.7 the statewide program, and engage citizen
 14.8 volunteers. This appropriation is available
 14.9 until June 30, 2020, by which time the project
 14.10 must be completed and final products
 14.11 delivered.

14.12 **(c) Invasive Bighead and Silver Carp and Native**
 14.13 **Fish Evaluation - Phase II**

14.14 \$500,000 the first year is from the trust fund
 14.15 to the commissioner of natural resources to
 14.16 continue invasive bighead and silver carp
 14.17 monitoring in the Mississippi River and
 14.18 tributaries through advanced acoustic
 14.19 telemetry and assess food chains to determine
 14.20 how native species might prevent invasive
 14.21 bighead and silver carp establishment. This
 14.22 appropriation is available until June 30, 2020,
 14.23 by which time the project must be completed
 14.24 and final products delivered.

14.25 **(d) Adapting Stream Barriers to Remove**
 14.26 **Common Carp**

14.27 \$301,000 the first year is from the trust fund
 14.28 to the Board of Regents of the University of
 14.29 Minnesota to conduct field tests at existing
 14.30 barrier sites and laboratory experiments to

14.32 \$345,000 the first year is from the trust fund
 14.33 to the commissioner of transportation to
 14.34 enhance the prescribed-fire program to manage
 14.35 roadsides to protect and increase biodiversity
 14.36 and pollinator habitat. This appropriation is
 15.1 available until June 30, 2020, by which time
 15.2 the project must be completed and final
 15.3 products delivered.

15.4 **(g) Minnesota Bee and Beneficial Species Habitat**
 15.5 **Restoration**

15.6 \$732,000 the first year is from the trust fund
 15.7 to the commissioner of natural resources for
 15.8 an agreement with Pheasants Forever in
 15.9 cooperation with the University of Minnesota
 15.10 and the Minnesota Honey Producers
 15.11 Association to restore approximately 800 acres
 15.12 of permanently protected land to enhance bee,
 15.13 butterfly, beneficial insect, and grassland bird
 15.14 habitats. This appropriation is available until
 15.15 June 30, 2021, by which time the project must
 15.16 be completed and final products delivered.

15.17 **(h) Mississippi and Vermillion Rivers**
 15.18 **Restoration of Prairie, Savanna, and Forest**
 15.19 **Habitat - Phase X**

15.20 \$213,000 the first year is from the trust fund
 15.21 to the commissioner of natural resources for
 15.22 an agreement with Friends of the Mississippi
 15.23 River for continued implementation of the
 15.24 Metro Conservation Corridors partnership by
 15.25 improving at least 80 acres of habitat at
 15.26 approximately seven sites along the
 15.27 Mississippi River and Vermillion River
 15.28 corridors. Expenditures are limited to the
 15.29 identified project corridor areas as defined in
 15.30 the work plan. A list of proposed restoration
 15.31 sites must be provided as part of the required
 15.32 work plan. Plant and seed materials must
 15.33 follow the Board of Water and Soil Resources'
 15.34 native vegetation establishment and
 15.35 enhancement guidelines. This appropriation
 15.36 is available until June 30, 2020, by which time

14.31 adapt a technology to remove common carp
 14.32 from streams during carp spawning migrations
 14.33 in Minnesota.

14.34 **(e) Tactical Invasive Plant Management Plan**
 14.35 **Development**

15.1 \$296,000 the first year is from the trust fund
 15.2 to the commissioner of agriculture in
 15.3 cooperation with the Board of Regents of the
 15.4 University of Minnesota to develop regional
 15.5 priorities and an interagency action plan for
 15.6 invasive plant management to protect and
 15.7 promote habitat and native species. This
 15.8 appropriation is available until June 30, 2020,
 15.9 by which time the project must be completed
 15.10 and final products delivered.

15.11 **(f) Maximize Value of Water Impoundments to**
 15.12 **Wildlife**

15.13 \$195,000 the first year is from the trust fund
 15.14 to the commissioner of natural resources for
 15.15 an agreement with the National Audubon
 15.16 Society, Minnesota office, to control invasive
 15.17 hybrid cattails in water impoundments to
 15.18 improve habitat quality for migrating and
 15.19 breeding birds. This appropriation is available
 15.20 until June 30, 2020, by which time the project
 15.21 must be completed and final products
 15.22 delivered.

15.23 **Subd. 7. Air Quality, Climate**
 15.24 **Change, and Renewable**
 15.25 **Energy**

-0- 4,738,000 -0-

15.26 **(a) Solar Cells Manufacturing Research**

15.27 \$388,000 the first year is from the trust fund
 15.28 to the Board of Regents of the University of
 15.29 Minnesota to develop inexpensive,
 15.30 high-efficiency solar energy by simple
 15.31 roll-to-roll advanced manufacturing
 15.32 technology using Perovskite, a new
 15.33 photovoltaic material. This appropriation is

16.1 the project must be completed and final
 16.2 products delivered.

16.3 **(i) Economic Assessment of Precision**
 16.4 **Conservation and Agriculture**

16.5 \$400,000 the first year is from the trust fund
 16.6 to the commissioner of natural resources for
 16.7 an agreement with Pheasants Forever to
 16.8 demonstrate a new approach to promote
 16.9 conservation practices utilizing
 16.10 return-on-investment analysis and identifying
 16.11 revenue-negative acres on agricultural land to
 16.12 assist farmers in implementing conservation
 16.13 practices that will provide environmental and
 16.14 economic benefits. This appropriation is
 16.15 available until June 30, 2020, by which time
 16.16 the project must be completed and final
 16.17 products delivered.

16.18 **(j) Conservation Reserve Enhancement Program**
 16.19 **(CREP) Outreach and Implementation**

16.20 \$6,000,000 the first year is from the trust fund
 16.21 to the Board of Water and Soil Resources to
 16.22 fund staff at soil and water conservation
 16.23 districts to assist landowners participating in
 16.24 the federal Conservation Reserve
 16.25 Enhancement Program. This appropriation is
 16.26 contingent upon receipt of federal funds for
 16.27 implementation. This appropriation is
 16.28 available until June 30, 2020, by which time
 16.29 the project must be completed and final
 16.30 products delivered.

16.31 **(k) Conservation Reserve Enhancement**
 16.32 **Program (CREP)**

16.33 \$1,029,000 in fiscal year 2017 and
 16.34 \$17,380,000 the first year are from the trust
 16.35 fund to the Board of Water and Soil Resources
 16.36 to acquire permanent conservation easements
 17.1 and restore land under Minnesota Statutes,
 17.2 section 103F.515. This work may be done in
 17.3 cooperation with the federal Conservation

15.34 subject to Minnesota Statutes, section 116P.10.
 15.35 This appropriation is available until June 30,
 15.36 2020, by which time the project must be
 15.37 completed and final products delivered.

16.1 **(b) Community-Scale Energy Storage Guide for**
 16.2 **Renewable Energy**

16.3 \$500,000 the first year is from the trust fund
 16.4 to the Board of Regents of the University of
 16.5 Minnesota to create a research-based energy
 16.6 storage guide for community-scale sites and
 16.7 implement three geographically dispersed
 16.8 battery storage demonstration projects. This
 16.9 appropriation is available until June 30, 2020,
 16.10 by which time the project must be completed
 16.11 and final products delivered.

16.12 **(c) Extraction of Solar Thermal Energy in**
 16.13 **Minnesota**

16.14 \$250,000 the first year is from the trust fund
 16.15 to the Board of Regents of the University of
 16.16 Minnesota to develop new solar particle
 16.17 receivers as a low-cost, high-efficiency, and
 16.18 clean technology to absorb, store, and utilize
 16.19 solar thermal energy. This appropriation is
 16.20 subject to Minnesota Statutes, section 116P.10.
 16.21 This appropriation is available until June 30,
 16.22 2020, by which time the project must be
 16.23 completed and final products delivered.

16.24 **(d) Assessment of Urban Air Quality**

16.25 \$700,000 the first year is from the trust fund
 16.26 to the commissioner of the Pollution Control
 16.27 Agency to set up and operate a network of 250
 16.28 air pollution sensors at 50 sites to monitor fine
 16.29 particles, ozone, nitrogen oxides, sulfur
 16.30 dioxide, and carbon monoxide in each zip code
 16.31 for the cities of Minneapolis and St. Paul to
 16.32 assess variability of urban air pollution. This
 16.33 appropriation is available until June 30, 2020,
 16.34 by which time the project must be completed
 16.35 and final products delivered.

17.4 Reserve Enhancement Program. 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	Subd. 9. <u>Land Acquisition,</u>			
17.9	<u>Habitat, and Recreation</u>	<u>999,000</u>	<u>5,858,000</u>	<u>-0-</u>

17.10 **(a) Minneopa State Park Land Acquisition**

17.11 \$500,000 the first year is from the trust fund
 17.12 to the commissioner of natural resources to
 17.13 acquire 135 acres of land located within the
 17.14 statutory boundary of Minneopa State Park.
 17.15 A list of proposed acquisitions must be
 17.16 provided as part of the required work plan.
 17.17 This appropriation is available until June 30,
 17.18 2020, by which time the project must be
 17.19 completed and final products delivered.

17.20 **(b) Minnesota State Trails Acquisition,**
 17.21 **Development, and Enhancement**

17.22 \$999,000 in fiscal year 2017 and \$39,000 the
 17.23 first year are from the trust fund to the
 17.24 commissioner of natural resources for state
 17.25 trail acquisition, development, and
 17.26 enhancement in southern Minnesota. A
 17.27 proposed list of trail projects on authorized
 17.28 state trails must be provided as part of the
 17.29 required work plan. This appropriation is
 17.30 available until June 30, 2020, by which time
 17.31 the project must be completed and final
 17.32 products delivered.

17.33 **(c) Leech Lake Acquisition**

17.34 \$1,500,000 the first year is from the trust fund
 17.35 to the commissioner of natural resources for
 17.36 an agreement with the Leech Lake Band of
 18.1 Ojibwe to acquire approximately 45 acres,
 18.2 including 0.67 miles of shoreline of
 18.3 high-quality aquatic and wildlife habitat at the
 18.4 historic meeting place between Henry
 18.5 Schoolcraft and the Anishinabe people. The

17.1 **(e) Generation, Storage, and Utilization of Solar**
 17.2 **Energy**

17.3 \$500,000 the first year is from the trust fund
 17.4 to the Board of Regents of the University of
 17.5 Minnesota, West Central Research and
 17.6 Outreach Center, Morris, to develop and
 17.7 demonstrate an integrated facility to generate
 17.8 electricity, shade dairy cattle, and provide
 17.9 energy storage and utilization from solar
 17.10 technologies at the West Central Research and
 17.11 Outreach Center, Morris. This appropriation
 17.12 is available until June 30, 2020, by which time
 17.13 the project must be completed and final
 17.14 products delivered.

17.15 **(f) District Heating with Renewable Biomass at**
 17.16 **Camp Ripley Training Center**

17.17 \$1,000,000 the first year is from the trust fund
 17.18 to the commissioner of military affairs to
 17.19 install a 5,000,000-BTU centralized biomass
 17.20 boiler system utilizing the forestry
 17.21 management at Camp Ripley. This
 17.22 appropriation must be matched by at least
 17.23 \$900,000 of nonstate money and must be
 17.24 committed by December 31, 2017. This
 17.25 appropriation is available until June 30, 2020,
 17.26 by which time the project must be completed
 17.27 and final products delivered.

17.28 **(g) Geotargeted Distributed Clean Energy**
 17.29 **Initiative**

17.30 \$800,000 the first year is from the trust fund
 17.31 to the commissioner of natural resources for
 17.32 an agreement with the Center for Energy and
 17.33 Environment. Of this amount, \$600,000 is for
 17.34 analysis of community-distributed clean
 17.35 energy investments as alternatives to utility
 17.36 capital investments for transmission and
 18.1 distribution upgrades to meet forecasted
 18.2 electrical loads, and \$200,000 is to conduct
 18.3 pilot programs using energy efficiency and
 18.4 other distributed energy resources to achieve

18.6 land must be open to public use including
 18.7 hunting and fishing. The band must provide a
 18.8 commitment that land will not be put in a
 18.9 federal trust through the Bureau of Indian
 18.10 Affairs.

18.11 **(d) Mesabi Trail Development**

18.12 \$2,269,000 the first year is from the trust fund
 18.13 to the commissioner of natural resources for
 18.14 an agreement with the St. Louis and Lake
 18.15 Counties Regional Railroad Authority for
 18.16 engineering and constructing segments of the
 18.17 Mesabi Trail. This appropriation is available
 18.18 until June 30, 2020, by which time the project
 18.19 must be completed and final products
 18.20 delivered.

18.21 **(e) Tower Trailhead Boat Landing and Habitat**
 18.22 **Improvement - Phase II**

18.23 \$600,000 the first year is from the trust fund
 18.24 to the commissioner of natural resources for
 18.25 an agreement with the city of Tower to
 18.26 construct a trailhead and boat landing and
 18.27 restore vegetative habitat on city-owned
 18.28 property. Plant and seed materials must follow
 18.29 the Board of Water and Soil Resources' native
 18.30 vegetation establishment and enhancement
 18.31 guidelines. This appropriation is available until
 18.32 June 30, 2020, by which time the project must
 18.33 be completed and final products delivered.

18.34 **(f) Land Acquisition for Voyageurs National**
 18.35 **Park Crane Lake Visitors Center**

19.1 \$950,000 the first year is from the trust fund
 19.2 to the commissioner of natural resources for
 19.3 an agreement with the town of Crane Lake, in
 19.4 partnership with Voyageurs National Park and
 19.5 the Department of Natural Resources, to
 19.6 acquire approximately 30 acres to be used for
 19.7 a visitor center and campground. Income
 19.8 generated by the campground may be used to
 19.9 support the facility.

18.5 forecasted electric energy loads in
 18.6 communities. The appropriation for pilot
 18.7 programs is contingent on a \$200,000 match
 18.8 of an equal or greater amount of nonstate
 18.9 money. This appropriation is available until
 18.10 June 30, 2020, by which time the project must
 18.11 be completed and final products delivered.

18.12 **(h) Develop Solar-Powered Robots for Weed**
 18.13 **Control in Agricultural Fields**

18.14 \$600,000 the first year is from the trust fund
 18.15 to the Board of Regents of the University of
 18.16 Minnesota, West Central Research and
 18.17 Outreach Center, Morris, to develop and test
 18.18 solar-powered robots to manage weeds in
 18.19 pastures as a means to reduce herbicide use.
 18.20 This appropriation is subject to Minnesota
 18.21 Statutes, section 116P.10. This appropriation
 18.22 is available until June 30, 2020, by which time
 18.23 the project must be completed and final
 18.24 products delivered.

18.25 **Subd. 8. Methods to Protect**
 18.26 **or Restore Land, Water, and**
 18.27 **Habitat**

-0- **10,808,000** **5,000,000**

18.28 **(a) Optimizing the Nutrition of Roadside Plants**
 18.29 **for Pollinators**

18.30 \$815,000 the first year is from the trust fund
 18.31 to the Board of Regents of the University of
 18.32 Minnesota in cooperation with the
 18.33 Departments of Agriculture, Natural
 18.34 Resources, and Transportation and the Board
 18.35 of Water and Soil Resources to produce
 18.36 site-specific recommendations for roadside
 18.37 plantings in Minnesota to maximize the
 19.1 nutritional health of native bees and monarch
 19.2 butterflies that rely on roadside habitat
 19.3 corridors. This appropriation is available until
 19.4 June 30, 2020, by which time the project must
 19.5 be completed and final products delivered.

19.10 Subd. 10. Administration and
 19.11 Contract Agreement
 19.12 Reimbursement -0- 1,340,000 -0-

19.13 **(a) Contract Agreement Reimbursement**
 19.14 \$135,000 the first year is from the trust fund
 19.15 to the commissioner of natural resources, at
 19.16 the direction of the Legislative-Citizen
 19.17 Commission on Minnesota Resources, for
 19.18 expenses incurred for contract agreement
 19.19 reimbursement for the agreements specified
 19.20 in this section. The commissioner shall provide
 19.21 documentation to the Legislative-Citizen
 19.22 Commission on Minnesota Resources on the
 19.23 expenditure of these funds.

19.24 **(b) Legislative-Citizen Commission on**
 19.25 **Minnesota Resources (LCCMR) Administration**
 19.26 \$1,200,000 the first year is from the trust fund
 19.27 to the Legislative-Citizen Commission on
 19.28 Minnesota Resources for administration in
 19.29 fiscal years 2018 and 2019 as provided in
 19.30 Minnesota Statutes, section 116P.09,
 19.31 subdivision 5.

19.32 **(c) Legislative Coordinating Commission Legacy**
 19.33 **Web site**
 19.34 \$5,000 the first year is from the trust fund to
 19.35 the Legislative Coordinating Commission for
 19.36 the Web site required in Minnesota Statutes,
 19.37 section 3.303, subdivision 10.

20.1 **Subd. 11. Availability of Appropriations**
 20.2 Money appropriated in this section may not
 20.3 be spent on activities unless they are directly
 20.4 related to and necessary for a specific
 20.5 appropriation and are specified in the work
 20.6 plan approved by the Legislative-Citizen
 20.7 Commission on Minnesota Resources. Money
 20.8 appropriated in this section must not be spent
 20.9 on indirect costs or other institutional overhead

19.6 **(b) Promoting Conservation Biocontrol of**
 19.7 **Beneficial Insects**
 19.8 \$400,000 the first year is from the trust fund
 19.9 to the Board of Regents of the University of
 19.10 Minnesota to research integrated pest
 19.11 management strategies, including insecticide
 19.12 alternatives, and overwintering habitat sites
 19.13 to conserve beneficial insects, including bees,
 19.14 butterflies, and predator insects. The integrated
 19.15 pest management strategies will be used to
 19.16 develop best management practices to increase
 19.17 pollinator and beneficial insect diversity and
 19.18 abundance in various restored habitats. This
 19.19 appropriation is available until June 30, 2020,
 19.20 by which time the project must be completed
 19.21 and final products delivered.

19.22 **(c) Evaluating the Use of Bison to Restore and**
 19.23 **Preserve Savanna Habitat**
 19.24 \$388,000 the first year is from the trust fund
 19.25 to the Board of Regents of the University of
 19.26 Minnesota, Cedar Creek Ecosystem Science
 19.27 Reserve, to research combined bison grazing
 19.28 and fire management strategies to restore
 19.29 Minnesota's oak savanna ecosystems. This
 19.30 appropriation is available until June 30, 2020,
 19.31 by which time the project must be completed
 19.32 and final products delivered.

19.33 **(d) State Park Pollinator Habitat Restoration**
 19.34 \$672,000 the first year is from the trust fund
 19.35 to the commissioner of natural resources to
 19.36 restore at least 520 acres of monarch butterfly
 20.1 and other native pollinator habitats in at least
 20.2 seven state parks in the Minnesota Prairie
 20.3 Conservation Plan core areas and establish
 20.4 pollinator plantings and interpretive exhibits
 20.5 in at least ten state parks. This appropriation
 20.6 is available until June 30, 2021, by which time
 20.7 the project must be completed and final
 20.8 products delivered.

20.10 charges that are not directly related to and
 20.11 necessary for a specific appropriation. Costs
 20.12 that are directly related to and necessary for
 20.13 an appropriation, including financial services,
 20.14 human resources, information services, rent,
 20.15 and utilities, are eligible only if the costs can
 20.16 be clearly justified and individually
 20.17 documented specific to the appropriation's
 20.18 purpose and would not be generated by the
 20.19 recipient but for receipt of the appropriation.
 20.20 No broad allocations for costs in either dollars
 20.21 or percentages are allowed. Unless otherwise
 20.22 provided, the amounts in this section are
 20.23 available until June 30, 2019, when projects
 20.24 must be completed and final products
 20.25 delivered. For acquisition of real property, the
 20.26 appropriations in this section are available for
 20.27 an additional fiscal year if a binding contract
 20.28 for acquisition of the real property is entered
 20.29 into before the expiration date of the
 20.30 appropriation. If a project receives a federal
 20.31 grant, the time period of the appropriation is
 20.32 extended to equal the federal grant period.

20.33 **Subd. 12. Data Availability Requirements**

20.34 Data collected by the projects funded under
 20.35 this section must conform to guidelines and
 20.36 standards adopted by MN.IT Services. Spatial
 21.1 data must also conform to additional
 21.2 guidelines and standards designed to support
 21.3 data coordination and distribution that have
 21.4 been published by the Minnesota Geospatial
 21.5 Information Office. Descriptions of spatial
 21.6 data must be prepared as specified in the state's
 21.7 geographic metadata guideline and must be
 21.8 submitted to the Minnesota Geospatial
 21.9 Information Office. All data must be
 21.10 accessible and free to the public unless made
 21.11 private under the Data Practices Act,
 21.12 Minnesota Statutes, chapter 13. To the extent

20.9 **(e) Enhancing Spawning Habitat Restoration in**
 20.10 **Minnesota Lakes**

20.11 \$294,000 the first year is from the trust fund
 20.12 to the Board of Regents of the University of
 20.13 Minnesota, St. Anthony Falls Laboratory, in
 20.14 cooperation with the Department of Natural
 20.15 Resources to enhance efforts to increase
 20.16 natural reproduction of fish in Minnesota lakes
 20.17 by assessing wave energy impacts on
 20.18 near-shore spawning habitat. This
 20.19 appropriation is available until June 30, 2020,
 20.20 by which time the project must be completed
 20.21 and final products delivered.

20.22 **(f) Prescribed-Fire Management for Roadside**
 20.23 **Prairies**

20.24 \$345,000 the first year is from the trust fund
 20.25 to the commissioner of transportation to
 20.26 enhance the prescribed-fire program to manage
 20.27 roadsides to protect and increase biodiversity
 20.28 and pollinator habitat. This appropriation is
 20.29 available until June 30, 2020, by which time
 20.30 the project must be completed and final
 20.31 products delivered.

20.32 **(g) Minnesota Bee and Beneficial Species Habitat**
 20.33 **Restoration**

20.34 \$732,000 the first year is from the trust fund
 20.35 to the commissioner of natural resources for
 20.36 an agreement with Pheasants Forever in
 21.1 cooperation with the University of Minnesota
 21.2 and the Minnesota Honey Producers
 21.3 Association to restore approximately 800 acres
 21.4 of permanently protected land to enhance bee,
 21.5 butterfly, beneficial insect, and grassland bird
 21.6 habitats. This appropriation is available until
 21.7 June 30, 2021, by which time the project must
 21.8 be completed and final products delivered.

21.13 practicable, summary data and results of
 21.14 projects funded under this section should be
 21.15 readily accessible on the Internet and
 21.16 identified as having received funding from the
 21.17 environment and natural resources trust fund.

21.18 **Subd. 13. Project Requirements**

21.19 (a) As a condition of accepting an
 21.20 appropriation under this section, an agency or
 21.21 entity receiving an appropriation or a party to
 21.22 an agreement from an appropriation must
 21.23 comply with paragraphs (b) to (l) and
 21.24 Minnesota Statutes, chapter 116P, and must
 21.25 submit a work plan and annual or semiannual
 21.26 progress reports in the form determined by the
 21.27 Legislative-Citizen Commission on Minnesota
 21.28 Resources for any project funded in whole or
 21.29 in part with funds from the appropriation.
 21.30 Modifications to the approved work plan and
 21.31 budget expenditures must be made through
 21.32 the amendment process established by the
 21.33 Legislative-Citizen Commission on Minnesota
 21.34 Resources.

22.1 (b) A recipient of money appropriated in this
 22.2 section that conducts a restoration using funds
 22.3 appropriated in this section must use native
 22.4 plant species according to the Board of Water
 22.5 and Soil Resources' native vegetation
 22.6 establishment and enhancement guidelines
 22.7 and include an appropriate diversity of native
 22.8 species selected to provide habitat for
 22.9 pollinators throughout the growing season as
 22.10 required under Minnesota Statutes, section
 22.11 84.973.

22.12 (c) For all restorations conducted with money
 22.13 appropriated under this section, a recipient
 22.14 must prepare an ecological restoration and
 22.15 management plan that, to the degree
 22.16 practicable, is consistent with the highest
 22.17 quality conservation and ecological goals for
 22.18 the restoration site. Consideration should be
 22.19 given to soil, geology, topography, and other

21.9 **(h) Mississippi and Vermillion Rivers**
 21.10 **Restoration of Prairie, Savanna, and Forest**
 21.11 **Habitat - Phase X**

21.12 \$213,000 the first year is from the trust fund
 21.13 to the commissioner of natural resources for
 21.14 an agreement with Friends of the Mississippi
 21.15 River for continued implementation of the
 21.16 Metro Conservation Corridors partnership by
 21.17 improving at least 80 acres of habitat at
 21.18 approximately seven sites along the
 21.19 Mississippi River and Vermillion River
 21.20 corridors. Expenditures are limited to the
 21.21 identified project corridor areas as defined in
 21.22 the work plan. A list of proposed restoration
 21.23 sites must be provided as part of the required
 21.24 work plan. Plant and seed materials must
 21.25 follow the Board of Water and Soil Resources'
 21.26 native vegetation establishment and
 21.27 enhancement guidelines. This appropriation
 21.28 is available until June 30, 2020, by which time
 21.29 the project must be completed and final
 21.30 products delivered.

21.31 **(i) Community Stewardship to Restore Urban**
 21.32 **Natural Resources - Phase X**

21.33 \$524,000 the first year is from the trust fund
 21.34 to the commissioner of natural resources for
 21.35 an agreement with Great River Greening to
 21.36 work with volunteers for continued
 21.37 implementation of the Metro Conservation
 22.1 Corridors partnership to restore approximately
 22.2 250 acres of forest, prairie, woodland, wetland,
 22.3 and shoreline throughout the greater Twin
 22.4 Cities metropolitan area. Expenditures are
 22.5 limited to the identified project corridor areas
 22.6 as defined in the work plan. A list of proposed
 22.7 restoration sites and evaluations must be
 22.8 provided as part of the required work plan.
 22.9 Plant and seed materials must follow the Board
 22.10 of Water and Soil Resources' native vegetation
 22.11 establishment and enhancement guidelines.
 22.12 This appropriation is available until June 30.

22.20 relevant factors that would provide the best
 22.21 chance for long-term success and durability
 22.22 of the restoration project. The plan must
 22.23 include the proposed timetable for
 22.24 implementing the restoration, including site
 22.25 preparation, establishment of diverse plant
 22.26 species, maintenance, and additional
 22.27 enhancement to establish the restoration;
 22.28 identify long-term maintenance and
 22.29 management needs of the restoration and how
 22.30 the maintenance, management, and
 22.31 enhancement will be financed; and take
 22.32 advantage of the best available science and
 22.33 include innovative techniques to achieve the
 22.34 best restoration.

23.1 (d) An entity receiving an appropriation in this
 23.2 section for restoration activities must provide
 23.3 an initial restoration evaluation at the
 23.4 completion of the appropriation and an
 23.5 evaluation three years beyond the completion
 23.6 of the expenditure. Restorations must be
 23.7 evaluated relative to the stated goals and
 23.8 standards in the restoration plan, current
 23.9 science, and, when applicable, the Board of
 23.10 Water and Soil Resources' native vegetation
 23.11 establishment and enhancement guidelines.
 23.12 The evaluation must determine whether the
 23.13 restorations are meeting planned goals,
 23.14 identify any problems with the implementation
 23.15 of the restorations, and, if necessary, give
 23.16 recommendations on improving restorations.
 23.17 The evaluation must be focused on improving
 23.18 future restorations.

23.19 (e) All restoration and enhancement projects
 23.20 funded with money appropriated in this section
 23.21 must be on land permanently protected by a
 23.22 conservation easement or public ownership.

23.23 (f) A recipient of money from an appropriation
 23.24 under this section must give consideration to
 23.25 contracting with Conservation Corps
 23.26 Minnesota for contract restoration and
 23.27 enhancement services.

22.13 2020, by which time the project must be
 22.14 completed and final products delivered.

22.15 **(j) Economic Assessment of Precision**
 22.16 **Conservation and Agriculture**

22.17 \$400,000 the first year is from the trust fund
 22.18 to the commissioner of natural resources for
 22.19 an agreement with Pheasants Forever to
 22.20 demonstrate a new approach to promote
 22.21 conservation practices utilizing
 22.22 return-on-investment analysis and identifying
 22.23 revenue-negative acres on agricultural land to
 22.24 assist farmers in implementing conservation
 22.25 practices that will provide environmental and
 22.26 economic benefits. This appropriation is
 22.27 available until June 30, 2020, by which time
 22.28 the project must be completed and final
 22.29 products delivered.

22.30 **(k) Mississippi River Habitat Restoration**
 22.31 **Planning at Halls Island**

22.32 \$25,000 the first year is from the trust fund to
 22.33 the commissioner of natural resources for an
 22.34 agreement with the Minneapolis Park and
 22.35 Recreation Board to develop a habitat
 22.36 restoration plan to guide the development,
 23.1 engineering, and construction of Halls Island
 23.2 in the Mississippi River. The plan must be
 23.3 coordinated with the Department of Natural
 23.4 Resources and the United States Army Corps
 23.5 of Engineers. This appropriation is available
 23.6 until June 30, 2022, by which time the project
 23.7 must be completed and final products
 23.8 delivered.

23.9 **(l) Conservation Reserve Enhancement Program**
 23.10 **(CREP) Outreach and Implementation**

23.11 \$1,000,000 the first year and \$5,000,000 the
 23.12 second year are from the trust fund to the
 23.13 Board of Water and Soil Resources to fund
 23.14 staff at soil and water conservation districts
 23.15 to assist landowners participating in the federal

23.28 (g) All conservation easements acquired with
 23.29 money appropriated under this section must:

23.30 (1) be permanent;

23.31 (2) specify the parties to an easement in the
 23.32 easement;

23.33 (3) specify all of the provisions of an
 23.34 agreement that are permanent;

24.1 (4) be sent to the Legislative-Citizen
 24.2 Commission on Minnesota Resources in an
 24.3 electronic format at least ten business days
 24.4 before closing;

24.5 (5) include a long-term monitoring and
 24.6 enforcement plan and funding for monitoring
 24.7 and enforcing the easement agreement; and

24.8 (6) include requirements in the easement
 24.9 document to address specific groundwater and
 24.10 surface water quality protection activities such
 24.11 as keeping water on the landscape, reducing
 24.12 nutrient and contaminant loading, protecting
 24.13 groundwater, and not permitting artificial
 24.14 hydrological modifications.

24.15 (h) For any acquisition of lands or interest in
 24.16 lands, a recipient of money appropriated under
 24.17 this section must not agree to pay more than
 24.18 100 percent of the appraised value for a parcel
 24.19 of land using this money to complete the
 24.20 purchase, in part or in whole, except that up
 24.21 to ten percent above the appraised value may
 24.22 be allowed to complete the purchase, in part
 24.23 or in whole, using this money if permission is
 24.24 received in advance of the purchase from the
 24.25 Legislative-Citizen Commission on Minnesota
 24.26 Resources.

24.27 (i) For any acquisition of land or interest in
 24.28 land, a recipient of money appropriated under
 24.29 this section must give priority to high-quality
 24.30 natural resources or conservation lands that
 24.31 provide natural buffers to water resources.

24.32 (j) For new lands acquired with money
 24.33 appropriated under this section, a recipient

23.16 Conservation Reserve Enhancement Program.
 23.17 This appropriation is contingent upon receipt
 23.18 of federal funds for implementation. This
 23.19 appropriation is available until June 30, 2020,
 23.20 by which time the project must be completed
 23.21 and final products delivered.

23.22 **(m) Riparian Protection Aid**

23.23 \$5,000,000 the first year is from the trust fund
 23.24 to the commissioner of revenue for riparian
 23.25 protection aid payments under Minnesota
 23.26 Statutes, section 477A.21.

23.27 **Subd. 9. Land Acquisition,**

23.28 <u>Habitat, and Recreation</u>	<u>999,000</u>	<u>16,358,000</u>	<u>-0-</u>
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23.29 **(a) Metropolitan Regional Parks System Land**
 23.30 **Acquisition**

23.31 \$1,500,000 the first year is from the trust fund
 23.32 to the Metropolitan Council for grants to
 23.33 acquire approximately 197 acres of land within
 23.34 the approved park boundaries of the
 23.35 metropolitan regional park system. This
 23.36 appropriation may not be used to purchase
 24.1 habitable residential structures. A list of
 24.2 proposed fee title acquisitions must be
 24.3 provided as part of the required work plan.
 24.4 This appropriation must be matched by at least
 24.5 40 percent of nonstate money that must be
 24.6 committed by December 31, 2017. This
 24.7 appropriation is available until June 30, 2020,
 24.8 by which time the project must be completed
 24.9 and final products delivered.

24.10 **(b) Scientific and Natural Areas Acquisition and**
 24.11 **Restoration, Citizen Science, and Engagement**

24.12 \$4,500,000 the first year is from the trust fund
 24.13 to the commissioner of natural resources to
 24.14 acquire at least 250 acres of land with
 24.15 high-quality native plant communities and rare
 24.16 features to be established as scientific and
 24.17 natural areas as provided in Minnesota

24.34 must prepare an ecological restoration and
 25.1 management plan in compliance with
 25.2 paragraph (c), including sufficient funding for
 25.3 implementation unless the work plan addresses
 25.4 why a portion of the money is not necessary
 25.5 to achieve a high-quality restoration.

25.6 (k) To ensure public accountability for the use
 25.7 of public funds, within 60 days of the
 25.8 transaction, a recipient of money appropriated
 25.9 under this section must provide to the
 25.10 Legislative-Citizen Commission on Minnesota
 25.11 Resources documentation of the selection
 25.12 process used to identify parcels acquired and
 25.13 provide documentation of all related
 25.14 transaction costs, including but not limited to
 25.15 appraisals, legal fees, recording fees,
 25.16 commissions, other similar costs, and
 25.17 donations. This information must be provided
 25.18 for all parties involved in the transaction. The
 25.19 recipient must also report to the
 25.20 Legislative-Citizen Commission on Minnesota
 25.21 Resources any difference between the
 25.22 acquisition amount paid to the seller and the
 25.23 state-certified or state-reviewed appraisal, if
 25.24 a state-certified or state-reviewed appraisal
 25.25 was conducted.

25.26 (l) A recipient of an appropriation from the
 25.27 trust fund under this section must acknowledge
 25.28 financial support from the environment and
 25.29 natural resources trust fund in project
 25.30 publications, signage, and other public
 25.31 communications and outreach related to work
 25.32 completed using the appropriation.
 25.33 Acknowledgment may occur, as appropriate,
 25.34 through use of the trust fund logo or inclusion
 25.35 of language attributing support from the trust
 26.1 fund. Each direct recipient of money
 26.2 appropriated in this section, as well as each
 26.3 recipient of a grant awarded pursuant to this
 26.4 section, must satisfy all reporting and other
 26.5 requirements incumbent upon constitutionally
 26.6 dedicated funding recipients as provided in

24.18 Statutes, section 86A.05, subdivision 5, restore
 24.19 and improve at least 1,000 acres of scientific
 24.20 and natural areas, and provide technical
 24.21 assistance and outreach, including site steward
 24.22 events. At least one-third of the appropriation
 24.23 must be spent on restoration activities. A list
 24.24 of proposed acquisitions and restorations must
 24.25 be provided as part of the required work plan.
 24.26 Land acquired with this appropriation must
 24.27 be sufficiently improved to meet at least
 24.28 minimum management standards, as
 24.29 determined by the commissioner of natural
 24.30 resources. When feasible, consideration must
 24.31 be given to accommodate trails on lands
 24.32 acquired. This appropriation is available until
 24.33 June 30, 2020, by which time the project must
 24.34 be completed and final products delivered.

24.35 **(c) Minnesota State Parks and State Trails Land**
 24.36 **Acquisition**

25.1 \$1,500,000 the first year is from the trust fund
 25.2 to the commissioner of natural resources to
 25.3 acquire approximately 373 acres from willing
 25.4 sellers for authorized state trails and critical
 25.5 parcels within the statutory boundaries of state
 25.6 parks. State park land acquired with this
 25.7 appropriation must be sufficiently improved
 25.8 to meet at least minimum management
 25.9 standards, as determined by the commissioner
 25.10 of natural resources. A list of proposed
 25.11 acquisitions must be provided as part of the
 25.12 required work plan. This appropriation is
 25.13 available until June 30, 2020, by which time
 25.14 the project must be completed and final
 25.15 products delivered.

25.16 **(d) Minnesota State Trails Acquisition,**
 25.17 **Development, and Enhancement**

25.18 \$999,000 in fiscal year 2017 and \$39,000 the
 25.19 first year are from the trust fund to the
 25.20 commissioner of natural resources for state
 25.21 trail acquisition, development, and
 25.22 enhancement in southern Minnesota. A

26.7 Minnesota Statutes, section 3.303, subdivision
26.8 10, and chapter 116P.

26.9 **Subd. 14. Payment Conditions and Capital**
26.10 **Equipment Expenditures**

26.11 (a) All agreements, grants, or contracts
26.12 referred to in this section must be administered
26.13 on a reimbursement basis unless otherwise
26.14 provided in this section. Notwithstanding
26.15 Minnesota Statutes, section 16A.41,
26.16 expenditures made on or after July 1, 2017,
26.17 or the date the work plan is approved,
26.18 whichever is later, are eligible for
26.19 reimbursement unless otherwise provided in
26.20 this section. Periodic payments must be made
26.21 upon receiving documentation that the
26.22 deliverable items articulated in the approved
26.23 work plan have been achieved, including
26.24 partial achievements as evidenced by approved
26.25 progress reports. Reasonable amounts may be
26.26 advanced to projects to accommodate cash
26.27 flow needs or match federal money. The
26.28 advances must be approved as part of the work
26.29 plan. No expenditures for capital equipment
26.30 are allowed unless expressly authorized in the
26.31 project work plan.

26.32 (b) Single-source contracts as specified in the
26.33 approved work plan are allowed.

26.34 **Subd. 15. Purchase of Recycled and Recyclable**
26.35 **Materials**

27.1 A political subdivision, public or private
27.2 corporation, or other entity that receives an
27.3 appropriation under this section must use the
27.4 appropriation in compliance with Minnesota
27.5 Statutes, section 16C.0725, regarding purchase
27.6 of recycled, repairable, and durable materials
27.7 and Minnesota Statutes, section 16C.073,
27.8 regarding purchase and use of paper stock and
27.9 printing.

25.23 proposed list of trail projects on authorized
25.24 state trails must be provided as part of the
25.25 required work plan. This appropriation is
25.26 available until June 30, 2020, by which time
25.27 the project must be completed and final
25.28 products delivered.

25.29 **(e) Native Prairie Stewardship and Prairie Bank**
25.30 **Easement Acquisition**

25.31 \$3,500,000 the first year is from the trust fund
25.32 to the commissioner of natural resources to
25.33 acquire native prairie bank easements in
25.34 accordance with Minnesota Statutes, section
25.35 84.96, on approximately 335 acres, prepare
25.36 baseline property assessments, restore and
26.1 enhance at least 570 acres of native prairie
26.2 sites, and provide technical assistance to
26.3 landowners. Of this amount, up to \$132,000
26.4 may be deposited in a conservation easement
26.5 stewardship account. Deposits into the
26.6 conservation easement stewardship account
26.7 must be made upon closing on conservation
26.8 easements or at a time otherwise approved in
26.9 the work plan. A list of proposed easement
26.10 acquisitions must be provided as part of the
26.11 required work plan. This appropriation is
26.12 available until June 30, 2020, by which time
26.13 the project must be completed and final
26.14 products delivered.

26.15 **(f) Leech Lake Acquisition**

26.16 \$1,500,000 the first year is from the trust fund
26.17 to the commissioner of natural resources for
26.18 an agreement with the Leech Lake Band of
26.19 Ojibwe to acquire approximately 45 acres,
26.20 including 0.67 miles of shoreline of
26.21 high-quality aquatic and wildlife habitat at the
26.22 historic meeting place between Henry
26.23 Schoolcraft and the Anishinabe people. The
26.24 land must be open to public use including
26.25 hunting and fishing. The band must provide a

27.10 **Subd. 16. Energy Conservation and Sustainable**
27.11 **Building Guidelines**

27.12 A recipient to whom an appropriation is made
27.13 under this section for a capital improvement
27.14 project must ensure that the project complies
27.15 with the applicable energy conservation and
27.16 sustainable building guidelines and standards
27.17 contained in law, including Minnesota
27.18 Statutes, sections 16B.325, 216C.19, and
27.19 216C.20, and rules adopted under those
27.20 sections. The recipient may use the energy
27.21 planning, advocacy, and State Energy Office
27.22 units of the Department of Commerce to
27.23 obtain information and technical assistance
27.24 on energy conservation and alternative energy
27.25 development relating to planning and
27.26 constructing the capital improvement project.

27.27 **Subd. 17. Accessibility**

27.28 Structural and nonstructural facilities must
27.29 meet the design standards in the Americans
27.30 with Disabilities Act (ADA) accessibility
27.31 guidelines.

27.32 **Subd. 18. Carryforward; Extension**

27.33 (a) The availability of the appropriations for
27.34 the following projects are extended to June
27.35 30, 2018:

28.1 (1) Laws 2014, chapter 226, section 2,
28.2 subdivision 3, paragraph (d), Evaluation of
28.3 Wastewater Nitrogen and Estrogen Treatment
28.4 Options;

28.5 (2) Laws 2014, chapter 226, section 2,
28.6 subdivision 4, paragraph (b), Bioacoustics to
28.7 Detect, Deter, and Eliminate Silver Carp;

28.8 (3) Laws 2014, chapter 226, section 2,
28.9 subdivision 4, paragraph (f), Brown
28.10 Marmorated Stink Bug Monitoring and
28.11 Biocontrol Evaluation;

26.26 commitment that land will not be put in a
26.27 federal trust through the Bureau of Indian
26.28 Affairs.

26.29 **(g) Mesabi Trail Development**

26.30 \$2,269,000 the first year is from the trust fund
26.31 to the commissioner of natural resources for
26.32 an agreement with the St. Louis and Lake
26.33 Counties Regional Railroad Authority for
26.34 engineering and constructing segments of the
26.35 Mesabi Trail. This appropriation is available
27.1 until June 30, 2020, by which time the project
27.2 must be completed and final products
27.3 delivered.

27.4 **(h) Tower Trailhead Boat Landing and Habitat**
27.5 **Improvement - Phase II**

27.6 \$600,000 the first year is from the trust fund
27.7 to the commissioner of natural resources for
27.8 an agreement with the city of Tower to
27.9 construct a trailhead and boat landing and
27.10 restore vegetative habitat on city-owned
27.11 property. Plant and seed materials must follow
27.12 the Board of Water and Soil Resources' native
27.13 vegetation establishment and enhancement
27.14 guidelines. This appropriation is available until
27.15 June 30, 2020, by which time the project must
27.16 be completed and final products delivered.

27.17 **(i) Land Acquisition for Voyageurs National**
27.18 **Park Crane Lake Visitors Center**

27.19 \$950,000 the first year is from the trust fund
27.20 to the commissioner of natural resources for
27.21 an agreement with the town of Crane Lake, in
27.22 partnership with Voyageurs National Park and
27.23 the Department of Natural Resources, to
27.24 acquire approximately 30 acres to be used for
27.25 a visitor center and campground. Income
27.26 generated by the campground may be used to
27.27 support the facility.

28.28 charges that are not directly related to and
 28.29 necessary for a specific appropriation. Costs
 28.30 that are directly related to and necessary for
 28.31 an appropriation, including financial services,
 28.32 human resources, information services, rent,
 28.33 and utilities, are eligible only if the costs can
 28.34 be clearly justified and individually
 28.35 documented specific to the appropriation's
 28.36 purpose and would not be generated by the
 29.1 recipient but for receipt of the appropriation.
 29.2 No broad allocations for costs in either dollars
 29.3 or percentages are allowed. Unless otherwise
 29.4 provided, the amounts in this section are
 29.5 available until June 30, 2019, when projects
 29.6 must be completed and final products
 29.7 delivered. For acquisition of real property, the
 29.8 appropriations in this section are available for
 29.9 an additional fiscal year if a binding contract
 29.10 for acquisition of the real property is entered
 29.11 into before the expiration date of the
 29.12 appropriation. If a project receives a federal
 29.13 grant, the time period of the appropriation is
 29.14 extended to equal the federal grant period.

29.15 **Subd. 12. Data Availability Requirements**

29.16 Data collected by the projects funded under
 29.17 this section must conform to guidelines and
 29.18 standards adopted by MN.IT Services. Spatial
 29.19 data must also conform to additional
 29.20 guidelines and standards designed to support
 29.21 data coordination and distribution that have
 29.22 been published by the Minnesota Geospatial
 29.23 Information Office. Descriptions of spatial
 29.24 data must be prepared as specified in the state's
 29.25 geographic metadata guideline and must be
 29.26 submitted to the Minnesota Geospatial
 29.27 Information Office. All data must be
 29.28 accessible and free to the public unless made
 29.29 private under the Data Practices Act,
 29.30 Minnesota Statutes, chapter 13. To the extent
 29.31 practicable, summary data and results of
 29.32 projects funded under this section should be
 29.33 readily accessible on the Internet and

29.34 identified as having received funding from the
 29.35 environment and natural resources trust fund.

29.36 **Subd. 13. Project Requirements**

30.1 (a) As a condition of accepting an
 30.2 appropriation under this section, an agency or
 30.3 entity receiving an appropriation or a party to
 30.4 an agreement from an appropriation must
 30.5 comply with paragraphs (b) to (l) and
 30.6 Minnesota Statutes, chapter 116P, and must
 30.7 submit a work plan and annual or semiannual
 30.8 progress reports in the form determined by the
 30.9 Legislative-Citizen Commission on Minnesota
 30.10 Resources for any project funded in whole or
 30.11 in part with funds from the appropriation.
 30.12 Modifications to the approved work plan and
 30.13 budget expenditures must be made through
 30.14 the amendment process established by the
 30.15 Legislative-Citizen Commission on Minnesota
 30.16 Resources.

30.17 (b) A recipient of money appropriated in this
 30.18 section that conducts a restoration using funds
 30.19 appropriated in this section must use native
 30.20 plant species according to the Board of Water
 30.21 and Soil Resources' native vegetation
 30.22 establishment and enhancement guidelines
 30.23 and include an appropriate diversity of native
 30.24 species selected to provide habitat for
 30.25 pollinators throughout the growing season as
 30.26 required under Minnesota Statutes, section
 30.27 84.973.

30.28 (c) For all restorations conducted with money
 30.29 appropriated under this section, a recipient
 30.30 must prepare an ecological restoration and
 30.31 management plan that, to the degree
 30.32 practicable, is consistent with the highest
 30.33 quality conservation and ecological goals for
 30.34 the restoration site. Consideration should be
 30.35 given to soil, geology, topography, and other
 31.1 relevant factors that would provide the best
 31.2 chance for long-term success and durability
 31.3 of the restoration project. The plan must

- 31.4 include the proposed timetable for
 31.5 implementing the restoration, including site
 31.6 preparation, establishment of diverse plant
 31.7 species, maintenance, and additional
 31.8 enhancement to establish the restoration;
 31.9 identify long-term maintenance and
 31.10 management needs of the restoration and how
 31.11 the maintenance, management, and
 31.12 enhancement will be financed; and take
 31.13 advantage of the best available science and
 31.14 include innovative techniques to achieve the
 31.15 best restoration.
- 31.16 (d) An entity receiving an appropriation in this
 31.17 section for restoration activities must provide
 31.18 an initial restoration evaluation at the
 31.19 completion of the appropriation and an
 31.20 evaluation three years beyond the completion
 31.21 of the expenditure. Restorations must be
 31.22 evaluated relative to the stated goals and
 31.23 standards in the restoration plan, current
 31.24 science, and, when applicable, the Board of
 31.25 Water and Soil Resources' native vegetation
 31.26 establishment and enhancement guidelines.
 31.27 The evaluation must determine whether the
 31.28 restorations are meeting planned goals,
 31.29 identify any problems with the implementation
 31.30 of the restorations, and, if necessary, give
 31.31 recommendations on improving restorations.
 31.32 The evaluation must be focused on improving
 31.33 future restorations.
- 31.34 (e) All restoration and enhancement projects
 31.35 funded with money appropriated in this section
 32.1 must be on land permanently protected by a
 32.2 conservation easement or public ownership.
- 32.3 (f) A recipient of money from an appropriation
 32.4 under this section must give consideration to
 32.5 contracting with Conservation Corps
 32.6 Minnesota for contract restoration and
 32.7 enhancement services.
- 32.8 (g) All conservation easements acquired with
 32.9 money appropriated under this section must:

- 32.10 (1) be permanent;
- 32.11 (2) specify the parties to an easement in the
- 32.12 easement;
- 32.13 (3) specify all of the provisions of an
- 32.14 agreement that are permanent;
- 32.15 (4) be sent to the Legislative-Citizen
- 32.16 Commission on Minnesota Resources in an
- 32.17 electronic format at least ten business days
- 32.18 before closing;
- 32.19 (5) include a long-term monitoring and
- 32.20 enforcement plan and funding for monitoring
- 32.21 and enforcing the easement agreement; and
- 32.22 (6) include requirements in the easement
- 32.23 document to address specific groundwater and
- 32.24 surface water quality protection activities such
- 32.25 as keeping water on the landscape, reducing
- 32.26 nutrient and contaminant loading, protecting
- 32.27 groundwater, and not permitting artificial
- 32.28 hydrological modifications.
- 32.29 (h) For any acquisition of lands or interest in
- 32.30 lands, a recipient of money appropriated under
- 32.31 this section must not agree to pay more than
- 32.32 100 percent of the appraised value for a parcel
- 32.33 of land using this money to complete the
- 33.1 purchase, in part or in whole, except that up
- 33.2 to ten percent above the appraised value may
- 33.3 be allowed to complete the purchase, in part
- 33.4 or in whole, using this money if permission is
- 33.5 received in advance of the purchase from the
- 33.6 Legislative-Citizen Commission on Minnesota
- 33.7 Resources.
- 33.8 (i) For any acquisition of land or interest in
- 33.9 land, a recipient of money appropriated under
- 33.10 this section must give priority to high-quality
- 33.11 natural resources or conservation lands that
- 33.12 provide natural buffers to water resources.
- 33.13 (j) For new lands acquired with money
- 33.14 appropriated under this section, a recipient
- 33.15 must prepare an ecological restoration and
- 33.16 management plan in compliance with
- 33.17 paragraph (c), including sufficient funding for

33.18 implementation unless the work plan addresses
 33.19 why a portion of the money is not necessary
 33.20 to achieve a high-quality restoration.
 33.21 (k) To ensure public accountability for the use
 33.22 of public funds, within 60 days of the
 33.23 transaction, a recipient of money appropriated
 33.24 under this section must provide to the
 33.25 Legislative-Citizen Commission on Minnesota
 33.26 Resources documentation of the selection
 33.27 process used to identify parcels acquired and
 33.28 provide documentation of all related
 33.29 transaction costs, including but not limited to
 33.30 appraisals, legal fees, recording fees,
 33.31 commissions, other similar costs, and
 33.32 donations. This information must be provided
 33.33 for all parties involved in the transaction. The
 33.34 recipient must also report to the
 33.35 Legislative-Citizen Commission on Minnesota
 34.1 Resources any difference between the
 34.2 acquisition amount paid to the seller and the
 34.3 state-certified or state-reviewed appraisal, if
 34.4 a state-certified or state-reviewed appraisal
 34.5 was conducted.
 34.6 (l) A recipient of an appropriation from the
 34.7 trust fund under this section must acknowledge
 34.8 financial support from the environment and
 34.9 natural resources trust fund in project
 34.10 publications, signage, and other public
 34.11 communications and outreach related to work
 34.12 completed using the appropriation.
 34.13 Acknowledgment may occur, as appropriate,
 34.14 through use of the trust fund logo or inclusion
 34.15 of language attributing support from the trust
 34.16 fund. Each direct recipient of money
 34.17 appropriated in this section, as well as each
 34.18 recipient of a grant awarded pursuant to this
 34.19 section, must satisfy all reporting and other
 34.20 requirements incumbent upon constitutionally
 34.21 dedicated funding recipients as provided in
 34.22 Minnesota Statutes, section 3.303, subdivision
 34.23 10, and chapter 116P.

- 34.24 **Subd. 14. Payment Conditions and Capital**
 34.25 **Equipment Expenditures**
- 34.26 (a) All agreements, grants, or contracts
 34.27 referred to in this section must be administered
 34.28 on a reimbursement basis unless otherwise
 34.29 provided in this section. Notwithstanding
 34.30 Minnesota Statutes, section 16A.41,
 34.31 expenditures made on or after July 1, 2017,
 34.32 or the date the work plan is approved,
 34.33 whichever is later, are eligible for
 34.34 reimbursement unless otherwise provided in
 34.35 this section. Periodic payments must be made
 34.36 upon receiving documentation that the
 35.1 deliverable items articulated in the approved
 35.2 work plan have been achieved, including
 35.3 partial achievements as evidenced by approved
 35.4 progress reports. Reasonable amounts may be
 35.5 advanced to projects to accommodate cash
 35.6 flow needs or match federal money. The
 35.7 advances must be approved as part of the work
 35.8 plan. No expenditures for capital equipment
 35.9 are allowed unless expressly authorized in the
 35.10 project work plan.
- 35.11 (b) Single-source contracts as specified in the
 35.12 approved work plan are allowed.
- 35.13 **Subd. 15. Purchase of Recycled and Recyclable**
 35.14 **Materials**
- 35.15 A political subdivision, public or private
 35.16 corporation, or other entity that receives an
 35.17 appropriation under this section must use the
 35.18 appropriation in compliance with Minnesota
 35.19 Statutes, section 16C.0725, regarding purchase
 35.20 of recycled, repairable, and durable materials
 35.21 and Minnesota Statutes, section 16C.073,
 35.22 regarding purchase and use of paper stock and
 35.23 printing.
- 35.24 **Subd. 16. Energy Conservation and Sustainable**
 35.25 **Building Guidelines**

- 35.26 A recipient to whom an appropriation is made
 35.27 under this section for a capital improvement
 35.28 project must ensure that the project complies
 35.29 with the applicable energy conservation and
 35.30 sustainable building guidelines and standards
 35.31 contained in law, including Minnesota
 35.32 Statutes, sections 16B.325, 216C.19, and
 35.33 216C.20, and rules adopted under those
 35.34 sections. The recipient may use the energy
 35.35 planning, advocacy, and State Energy Office
 35.36 units of the Department of Commerce to
 36.1 obtain information and technical assistance
 36.2 on energy conservation and alternative energy
 36.3 development relating to planning and
 36.4 constructing the capital improvement project.
- 36.5 **Subd. 17. Accessibility**
- 36.6 Structural and nonstructural facilities must
 36.7 meet the design standards in the Americans
 36.8 with Disabilities Act (ADA) accessibility
 36.9 guidelines.
- 36.10 **Subd. 18. Carryforward; Extension**
- 36.11 (a) The availability of the appropriations for
 36.12 the following projects are extended to June
 36.13 30, 2018:
- 36.14 (1) Laws 2014, chapter 226, section 2,
 36.15 subdivision 3, paragraph (d), Evaluation of
 36.16 Wastewater Nitrogen and Estrogen Treatment
 36.17 Options;
- 36.18 (2) Laws 2014, chapter 226, section 2,
 36.19 subdivision 4, paragraph (b), Bioacoustics to
 36.20 Detect, Deter, and Eliminate Silver Carp;
- 36.21 (3) Laws 2014, chapter 226, section 2,
 36.22 subdivision 4, paragraph (f), Brown
 36.23 Marmorated Stink Bug Monitoring and
 36.24 Bio-Control Evaluation;
- 36.25 (4) Laws 2014, chapter 226, section 2,
 36.26 subdivision 6, paragraph (h), Nutrient Capture

- 36.27 through Water Management and Biomass
 36.28 Harvesting;
- 36.29 (5) Laws 2014, chapter 226, section 2,
 36.30 subdivision 7, paragraph (b), Metropolitan
 36.31 Regional Park System Acquisition;
- 36.32 (6) Laws 2015, chapter 76, section 2,
 36.33 subdivision 3, paragraph (l), Genetic and
 37.1 Camera Techniques to Estimate Carnivore
 37.2 Populations;
- 37.3 (7) Laws 2015, chapter 76, section 2,
 37.4 subdivision 7, paragraph (c), Building
 37.5 Deconstruction to Reduce Greenhouse Gas
 37.6 Emissions and Solid Waste; and
- 37.7 (8) Laws 2015, chapter 76, section 2,
 37.8 subdivision 10, Emerging Issues Account.
- 37.9 (b) The availability of the appropriations for
 37.10 the following projects are extended to June
 37.11 30, 2019:
- 37.12 (1) Laws 2014, chapter 226, section 2,
 37.13 subdivision 10, paragraph (c),
 37.14 Legislative-Citizen Commission on Minnesota
 37.15 Resources (LCCMR) as extended by Laws
 37.16 2016, chapter 186, section 2, subdivision 18,
 37.17 clause (8);
- 37.18 (2) Laws 2015, chapter 76, section 2,
 37.19 subdivision 7, paragraph (a), Renewable and
 37.20 Sustainable Fertilizers Produced Locally;
- 37.21 (3) Laws 2015, chapter 76, section 2,
 37.22 subdivision 8, paragraph (h), Improving
 37.23 Community Forests Through Citizen
 37.24 Engagement; and
- 37.25 (4) Laws 2016, chapter 186, section 2,
 37.26 subdivision 9, paragraph (b), Minnesota Point
 37.27 Pine Forest Scientific and Natural Area
 37.28 Acquisition.
- 37.29 **Subd. 19. Fiscal Year 2019 Recommendations**
- 37.30 **(a) The Legislative-Citizen Commission on**
 37.31 **Minnesota Resources shall consider**

29.16 Sec. 3. [15.0541] NO NET GAIN; COUNTIES.

29.17 (a) A county located in whole or in part north of U.S. Highway 2 may file a no net gain
29.18 of state lands policy, adopted by the county board, with the commissioner of natural
29.19 resources. The policy must express the county's policy against the acquisition of additional
29.20 land by the state within the county.

29.21 (b) When a state agency acquires private land within a county that has filed a no net
29.22 gain of state lands policy under this section, the commissioner of natural resources, for lands
29.23 acquired by the commissioner, or the commissioner of administration, for lands acquired
29.24 by another state agency, must sell to a private individual or entity an equal or greater number
29.25 of acres of land within the county. The value of the land sold must be of at least substantially
29.26 equal value of the lands acquired. Notwithstanding section 94.10, subdivision 2, if lands
29.27 being offered for sale to comply with this section remain unsold after a public sale offering,
29.28 the lands may be sold for less than the appraised value. Land sold under this paragraph must
29.29 not be sold for less than 75 percent of the appraised value.

37.32 recommending up to \$10,000,000 for fiscal
37.33 year 2019 appropriations from the trust fund
38.1 for buffers, wellhead protection, and other
38.2 activities eligible for matching the federal
38.3 Conservation Reserve Enhancement Program.
38.4 (b) Notwithstanding Minnesota Statutes,
38.5 section 116P.08, subdivision 2, clause (2), the
38.6 commission shall consider recommending up
38.7 to 25 percent of the available money from the
38.8 trust fund for fiscal year 2019 appropriations
38.9 for expenditure by the Public Facilities
38.10 Authority on municipal wastewater treatment
38.11 grant or loan programs that serve statutory and
38.12 home rule charter cities and towns with a
38.13 population less than 2,000 to preserve or
38.14 enhance fish, wildlife, land, air, water, and
38.15 other natural resources that otherwise may be
38.16 substantially impaired or destroyed in any area
38.17 of the state.
38.18 (c) Any deadlines established by the
38.19 Legislative-Citizen Commission on Minnesota
38.20 Resources for submission of proposals for the
38.21 commission's fiscal year 2019 funding
38.22 recommendations are waived until July 15,
38.23 2017, for proposals authorized under this
38.24 subdivision.

29.30 (c) For the purposes of this section the following terms have the meanings given:

29.31 (1) "agency" has the meaning given under section 16B.01, subdivision 2, excluding the
29.32 Department of Transportation, and excluding the Minnesota State Colleges and Universities.

30.1 (2) "substantially equal value" has the meaning given under section 94.343, subdivision
30.2 3, paragraph (b).

30.3 Sec. 4. Minnesota Statutes 2016, section 116P.05, subdivision 2, is amended to read:

30.4 Subd. 2. **Duties.** (a) The commission shall recommend an annual or biennial legislative
30.5 bill for appropriations from the environment and natural resources trust fund and shall adopt
30.6 a strategic plan as provided in section 116P.08. Approval of the recommended legislative
30.7 bill requires an affirmative vote of at least 12 members of the commission.

30.8 (b) It is a condition of acceptance of the appropriations made from the Minnesota
30.9 environment and natural resources trust fund, and oil overcharge money under section 4.071,
30.10 subdivision 2, that the agency or entity receiving the appropriation must submit a work plan
30.11 and annual or semiannual progress reports in the form determined by the Legislative-Citizen
30.12 Commission on Minnesota Resources, and comply with applicable reporting requirements
30.13 under section 116P.16. None of the money provided may be spent unless the commission
30.14 has approved the pertinent work plan. Modifications to the approved work plan and budget
30.15 expenditures shall be made through the amendment process established by the commission.
30.16 The commission shall ensure that the expenditures and outcomes described in the work plan
30.17 for appropriations funded by the environment and natural resources trust fund are met.

30.18 (c) The peer review procedures created under section 116P.08 must also be used to
30.19 review, comment, and report to the commission on research proposals applying for an
30.20 appropriation from the oil overcharge money under section 4.071, subdivision 2.

30.21 (d) The commission may adopt operating procedures to fulfill its duties under this chapter.

30.22 (e) As part of the operating procedures, the commission shall:

30.23 (1) ensure that members' expectations are to participate in all meetings related to funding
30.24 decision recommendations;

30.25 (2) recommend adequate funding for increased citizen outreach and communications
30.26 for trust fund expenditure planning;

30.27 (3) allow administrative expenses as part of individual project expenditures based on
30.28 need;

30.29 (4) provide for project outcome evaluation;

30.30 (5) keep the grant application, administration, and review process as simple as possible;
30.31 and

31.1 (6) define and emphasize the leveraging of additional sources of money that project
31.2 proposers should consider when making trust fund proposals.

38.25 Sec. 3. Minnesota Statutes 2016, section 116P.05, subdivision 2, is amended to read:

38.26 Subd. 2. **Duties.** (a) The commission shall recommend an annual or biennial legislative
38.27 bill for appropriations from the environment and natural resources trust fund and shall adopt
38.28 a strategic plan as provided in section 116P.08. Approval of the recommended legislative
38.29 bill requires an affirmative vote of at least 12 members of the commission.

38.30 (b) It is a condition of acceptance of the appropriations made from the Minnesota
38.31 environment and natural resources trust fund, and oil overcharge money under section 4.071,
38.32 subdivision 2, that the agency or entity receiving the appropriation must submit a work plan
38.33 and annual or semiannual progress reports in the form determined by the Legislative-Citizen
38.34 Commission on Minnesota Resources, and comply with applicable reporting requirements
39.1 under section 116P.16. None of the money provided may be spent unless the commission
39.2 has approved the pertinent work plan. Modifications to the approved work plan and budget
39.3 expenditures shall be made through the amendment process established by the commission.
39.4 The commission shall ensure that the expenditures and outcomes described in the work plan
39.5 for appropriations funded by the environment and natural resources trust fund are met.

39.6 (c) The peer review procedures created under section 116P.08 must also be used to
39.7 review, comment, and report to the commission on research proposals applying for an
39.8 appropriation from the oil overcharge money under section 4.071, subdivision 2.

39.9 (d) The commission may adopt operating procedures to fulfill its duties under this chapter.

39.10 (e) As part of the operating procedures, the commission shall:

39.11 (1) ensure that members' expectations are to participate in all meetings related to funding
39.12 decision recommendations;

39.13 (2) recommend adequate funding for increased citizen outreach and communications
39.14 for trust fund expenditure planning;

39.15 (3) allow administrative expenses as part of individual project expenditures based on
39.16 need;

39.17 (4) provide for project outcome evaluation;

39.18 (5) keep the grant application, administration, and review process as simple as possible;
39.19 and

39.20 (6) define and emphasize the leveraging of additional sources of money that project
39.21 proposers should consider when making trust fund proposals.

31.3 Sec. 5. Minnesota Statutes 2016, section 116P.17, subdivision 1, is amended to read:

31.4 Subdivision 1. **Commissioner approval.** (a) A recipient of an appropriation from the
31.5 trust fund who acquires an interest in real property must receive written approval from the
31.6 commissioner of natural resources prior to the acquisition, if the interest is acquired in whole
31.7 or in part with the appropriation. A recipient must request the commissioner's approval at
31.8 least ten business days before the proposed acquisition. When a recipient requests approval
31.9 under this subdivision, the recipient must simultaneously submit the same information to
31.10 the commission. Conservation easements to be held by the Board of Water and Soil
31.11 Resources, acquisitions of land in the metropolitan regional recreation open space systems
31.12 as defined under section 473.351, subdivision 1, with appropriations to the Metropolitan
31.13 Council, and acquisitions specifically identified in appropriation laws are not subject to
31.14 commissioner approval under this section.

31.15 (b) The commissioner shall approve acquisitions under this section only when the interest
31.16 in real property:

31.17 (1) is identified as a high priority by the commissioner and meets the objectives and
31.18 criteria identified in the applicable acquisition plan for the intended management status of
31.19 the property; or

31.20 (2) is otherwise identified by the commissioner as a priority for state financing.

39.22 Sec. 4. Minnesota Statutes 2016, section 116P.17, subdivision 1, is amended to read:

39.23 Subdivision 1. **Commissioner approval.** (a) A recipient of an appropriation from the
39.24 trust fund who acquires an interest in real property must receive written approval from the
39.25 commissioner of natural resources prior to the acquisition, if the interest is acquired in whole
39.26 or in part with the appropriation. A recipient must request the commissioner's approval at
39.27 least ten business days before the proposed acquisition. When a recipient requests approval
39.28 under this subdivision, the recipient must simultaneously submit the same information to
39.29 the commission. Conservation easements to be held by the Board of Water and Soil
39.30 Resources, acquisitions of land in the metropolitan regional recreation open space systems
39.31 as defined under section 473.351, subdivision 1, with appropriations to the Metropolitan
40.1 Council, and acquisitions specifically identified in appropriation laws are not subject to
40.2 commissioner approval under this section.

40.3 (b) The commissioner shall approve acquisitions under this section only when the interest
40.4 in real property:

40.5 (1) is identified as a high priority by the commissioner and meets the objectives and
40.6 criteria identified in the applicable acquisition plan for the intended management status of
40.7 the property; or

40.8 (2) is otherwise identified by the commissioner as a priority for state financing.

40.9 Sec. 5. **[477A.21] RIPARIAN PROTECTION AID.**

40.10 Subdivision 1. **Definitions.** For purposes of this section, the following terms have the
40.11 meanings given:

40.12 (1) "buffer protection map" has the meaning given under section 103F.48, subdivision
40.13 1; and

40.14 (2) "public watercourses" means public waters and public drainage systems subject to
40.15 riparian protection requirements under section 103F.48.

40.16 Subd. 2. **Certifications to commissioner.** (a) The Board of Water and Soil Resources
40.17 must certify to the commissioner of revenue, on or before July 1 each year, which counties
40.18 and watershed districts have affirmed their jurisdiction under section 103F.48 and the
40.19 proportion of centerline miles of public watercourses, and miles of public drainage system
40.20 ditches on the buffer protection map, within each county and each watershed district within
40.21 the county with affirmed jurisdiction.

40.22 (b) On or before July 1 each year, the commissioner of natural resources shall certify to
40.23 the commissioner of revenue the statewide and countywide number of centerline miles of
40.24 public watercourses and miles of public drainage system ditches on the buffer protection
40.25 map.

40.26 Subd. 3. **Distribution.** (a) A county that is certified under subdivision 2, or that portion
40.27 of a county containing a watershed district certified under subdivision 2, is eligible to receive
40.28 aid under this section to enforce and implement the riparian protection and water quality

40.29 practices under section 103F.48. Each county's preliminary aid amount is equal to the
40.30 proportion calculated under paragraph (b) multiplied by the appropriation received each
40.31 year by the commissioner for purposes of payments under this section.

41.1 (b) The commissioner must compute each county's proportion. A county's proportion is
41.2 equal to the ratio of the sum in clause (1) to the sum in clause (2):

41.3 (1) the sum of the total number of acres in the county classified as class 2a under section
41.4 273.13, subdivision 23, the countywide number of centerline miles of public watercourses
41.5 on the buffer protection map, and the countywide number of miles of public drainage system
41.6 ditches on the buffer protection map; and

41.7 (2) the sum of the statewide total number of acres classified as class 2a under section
41.8 273.13, subdivision 23, the statewide total number of centerline miles of public watercourses
41.9 on the buffer protection map, and the statewide total number of public drainage system
41.10 miles on the buffer protection map.

41.11 (c) Aid to a county must not be greater than \$200,000 or less than \$50,000. If the sum
41.12 of the preliminary aids payable to counties under paragraph (a) is greater or less than the
41.13 appropriation received by the commissioner, the commissioner of revenue must calculate
41.14 the percentage of adjustment necessary so that the total of the aid under paragraph (a) equals
41.15 the total amount received by the commissioner, subject to the minimum and maximum
41.16 amounts specified in this paragraph. The minimum and maximum amounts under this
41.17 paragraph must be adjusted by the ratio of the actual amount appropriated to \$10,000,000.

41.18 (d) If only a portion of a county is certified as eligible to receive aid under subdivision
41.19 2, the aid otherwise payable to that county under this section must be multiplied by a fraction,
41.20 the numerator of which is the buffer protection map miles of the certified watershed districts
41.21 contained within the county and the denominator of which is the total buffer protection map
41.22 miles of the county.

41.23 (e) Any aid that would otherwise be paid to a county or portion of a county that is not
41.24 certified under subdivision 2 shall be paid to the Board of Water and Soil Resources for
41.25 enforcing and implementing the riparian protection and water quality practices under section
41.26 103F.48.

41.27 Subd. 4. **Payments.** The commissioner of revenue must compute the amount of riparian
41.28 protection aid payable to each eligible county and to the Board of Water and Soil Resources
41.29 under this section. On or before August 1 each year, the commissioner must certify the
41.30 amount to be paid to each county and the Board of Water and Soil Resources in the following
41.31 year, except that the payments for 2017 must be certified by July 15, 2017. The commissioner
41.32 must pay riparian protection aid to counties and to the Board of Water and Soil Resources
41.33 in the same manner and at the same time as aid payments under section 477A.015.

42.1 **EFFECTIVE DATE.** This section is effective the day following final enactment and
42.2 applies to aids payable in 2017 and thereafter.