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State of Minnesota

HOUSE OF REPRESENTATIVES

NINETIETH SESSION

H. F. No. 1265

02/15/2017 Authored by Heintzeman, Ecklund and Lueck
The bill was read for the first time and referred to the Committee on Environment and Natural Resources Policy and Finance
03/20/2017 Adoption of Report: Amended and re-referred to the Committee on Ways and Means

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.

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.

Table with 4 columns: APPROPRIATIONS, Available for the Year, Ending June 30, 2017, 2018, 2019

1.20 Sec. 2. MINNESOTA RESOURCES

Table with 5 columns: Subdivision 1. Total Appropriation, \$, 8,428,000 \$, 50,828,000 \$, -0-

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  
 2.7 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**

3,700,000

6,471,000

-0-

2.23 **(a) County Geologic Atlases - Continuation**

2.24 \$3,700,000 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  
3.9 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**  
3.18 **- Phase II**

3.19 \$900,000 the first year is from the trust fund  
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  
4.12 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) Drainage Records Modernization Cost Share**  
4.28 **- Phase II**

4.29 \$540,000 the first year is from the trust fund  
4.30 to the Board of Water and Soil Resources to  
4.31 facilitate statewide modernization of public  
4.32 drainage records under Minnesota Statutes,  
4.33 chapter 103E, and integrate new specifications  
4.34 into existing drainage records modernization  
4.35 guidelines through matching cost-share grants  
4.36 to drainage authorities. This appropriation is

5.1 available until June 30, 2020, by which time  
5.2 the project must be completed and final  
5.3 products delivered.

5.4 **(g) Groundwater Contamination Mapping**

5.5 \$400,000 the first year is from the trust fund  
5.6 to the commissioner of the Pollution Control  
5.7 Agency to develop a Web-based interactive  
5.8 map of groundwater contamination to improve  
5.9 protection of groundwater resources for  
5.10 drinking water. This appropriation is available  
5.11 until June 30, 2020, by which time the project  
5.12 must be completed and final products  
5.13 delivered.

5.14 **(h) Landslide Susceptibility, Mapping, and**  
5.15 **Management Tools**

5.16 \$500,000 the first year is from the trust fund  
5.17 to the Board of Regents of the University of  
5.18 Minnesota to create landslide susceptibility  
5.19 maps using a landslide inventory and  
5.20 quantitative analysis of LiDAR to provide  
5.21 tools and data for mitigation and restoration  
5.22 to reduce impacts on water resources. This  
5.23 appropriation is available until June 30, 2020,  
5.24 by which time the project must be completed  
5.25 and final products delivered.

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

5.27 \$348,000 the first year is from the trust fund  
5.28 to the Board of Regents of the University of  
5.29 Minnesota to assess the use of unmanned  
5.30 aerial vehicles in natural resource monitoring  
5.31 of moose populations and changes in  
5.32 ecosystems.

5.33 **(j) Effects of Wolf Predation on Beaver, Moose,**  
5.34 **and Deer**

5.35 \$293,000 the first year is from the trust fund  
5.36 to the commissioner of natural resources for

6.1 an agreement with Voyageurs National Park  
 6.2 to assess the effects of wolf predation on  
 6.3 beaver, moose, and deer in the Border Lakes  
 6.4 region. This appropriation is available until  
 6.5 June 30, 2020, by which time the project must  
 6.6 be completed and final products delivered.

6.7 **Subd. 4. Water Resources** -0- 2,584,000 -0-

6.8 **(a) Assessment of Household Chemicals and**  
 6.9 **Herbicides in Rivers and Lakes**

6.10 \$236,000 the first year is from the trust fund  
 6.11 to the Board of Regents of the University of  
 6.12 Minnesota to quantify environmental levels  
 6.13 of household chemical and herbicide  
 6.14 ingredients in rivers and lakes and assess their  
 6.15 potential to form toxic by-products.

6.16 **(b) Wastewater Nitrogen Removal Technology**  
 6.17 **to Protect Water Quality**

6.18 \$450,000 the first year is from the trust fund  
 6.19 to the Board of Regents of the University of  
 6.20 Minnesota to develop a technology for  
 6.21 inexpensive low-energy nitrogen removal in  
 6.22 wastewater. This appropriation is subject to  
 6.23 Minnesota Statutes, section 116P.10. This  
 6.24 appropriation is available until June 30, 2020,  
 6.25 by which time the project must be completed  
 6.26 and final products delivered.

6.27 **(c) Water Quality Monitoring in Southeastern**  
 6.28 **Minnesota Trout Streams**

6.29 \$500,000 the first year is from the trust fund  
 6.30 to the Board of Trustees of Minnesota State  
 6.31 Colleges and Universities, Winona State  
 6.32 University, to develop a system of biological  
 6.33 monitoring for water quality protection of trout  
 6.34 streams in southeastern Minnesota. This  
 6.35 appropriation is available until June 30, 2020,

7.1 by which time the project must be completed  
7.2 and final products delivered.

7.3 **(d) Reassessing Toxicity of Petrochemical Spills**  
7.4 **on Groundwater and Surface Waters**

7.5 \$300,000 the first year is from the trust fund  
7.6 to the commissioner of natural resources for  
7.7 an agreement with the University of St.  
7.8 Thomas to reassess long-term effects of oil  
7.9 spills through the analysis of chemical  
7.10 parameters related to oil degradation and  
7.11 evaluate the impacts on aquatic species,  
7.12 groundwater, and surface waters. This  
7.13 appropriation is available until June 30, 2021,  
7.14 by which time the project must be completed  
7.15 and final products delivered.

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

7.17 \$148,000 the first year is from the trust fund  
7.18 to the Board of Regents of the University of  
7.19 Minnesota to collect and analyze pathogen  
7.20 data for evaluation of water reuse in order to  
7.21 maximize water reuse and protect groundwater  
7.22 and surface water quality.

7.23 **(f) Identification of Chemicals of Emerging**  
7.24 **Concern in Minnesota Fish**

7.25 \$400,000 the first year is from the trust fund  
7.26 to the commissioner of natural resources for  
7.27 an agreement with the Grand Portage Band of  
7.28 Lake Superior Chippewa to identify chemicals  
7.29 of emerging concern and metals in fish, water,  
7.30 and sediments from approximately 30 water  
7.31 bodies in northeastern Minnesota used for  
7.32 subsistence harvest and recreation. This  
7.33 appropriation is available until June 30, 2020,  
7.34 by which time the project must be completed  
7.35 and final products delivered.

8.1 **(g) Techniques for Water Storage Estimates in**  
8.2 **Central Minnesota**

8.3 \$250,000 the first year is from the trust fund  
8.4 to the Board of Regents of the University of  
8.5 Minnesota to improve water storage estimates  
8.6 in groundwater, soil moisture, streams, lakes,  
8.7 and wetlands through integration of satellite  
8.8 monitoring and ground-based measurements  
8.9 in central Minnesota. This appropriation is  
8.10 available until June 30, 2020, by which time  
8.11 the project must be completed and final  
8.12 products delivered.

8.13 **(h) Assessing Release of Mercury and Sulfur on**  
8.14 **Aquatic Communities**

8.15 \$300,000 the first year is from the trust fund  
8.16 to the Board of Regents of the University of  
8.17 Minnesota to determine the effects of  
8.18 increased temperatures on the release of  
8.19 mercury and sulfur from Minnesota peatlands  
8.20 to predict impacts on aquatic communities and  
8.21 fish health. This appropriation is available  
8.22 until June 30, 2020, by which time the project  
8.23 must be completed and final products  
8.24 delivered.

8.25 **Subd. 5. Environmental**  
8.26 **Education**

-0-                      2,817,000                      -0-

8.27 **(a) Connecting Youth to Minnesota Waterways**  
8.28 **through Outdoor Classrooms**

8.29 \$1,200,000 the first year is from the trust fund  
8.30 to the commissioner of natural resources for  
8.31 an agreement with Wilderness Inquiry to  
8.32 provide place-based environmental education  
8.33 science water experiences to approximately  
8.34 20,000 middle- and high-school students. This  
8.35 appropriation is available until June 30, 2020,  
8.36 by which time the project must be completed  
8.37 and final products delivered.

9.1 **(b) Increasing Diversity in Environmental**  
9.2 **Careers**

9.3 \$1,487,000 the first year is from the trust fund  
9.4 to the commissioner of natural resources in  
9.5 cooperation with Conservation Corps  
9.6 Minnesota and Iowa to encourage a diversity  
9.7 of students to pursue careers in environment  
9.8 and natural resources through internships and  
9.9 mentorships with the Department of Natural  
9.10 Resources, the Board of Water and Soil  
9.11 Resources, and the Pollution Control Agency.  
9.12 This appropriation is available until June 30,  
9.13 2022, by which time the project must be  
9.14 completed and final products delivered.

9.15 **(c) Increasing Residential Environmental**  
9.16 **Learning Center Opportunities**

9.17 \$130,000 the first year is from the trust fund  
9.18 to the commissioner of natural resources for  
9.19 an agreement with the Audubon Center of the  
9.20 North Woods to provide scholarship  
9.21 opportunities for a minimum of 1,000 students  
9.22 that are not currently served through other  
9.23 residential environmental education learning  
9.24 centers. This appropriation is available until  
9.25 June 30, 2020, by which time the project must  
9.26 be completed and final products delivered.

9.27 **Subd. 6. Aquatic and**  
9.28 **Terrestrial Invasive Species**

2,700,000

2,021,000

-0-

9.29 **(a) Aquatic Invasive Species Research Center -**  
9.30 **Phase II**

9.31 \$2,700,000 in fiscal year 2017 is from the trust  
9.32 fund to the Board of Regents of the University  
9.33 of Minnesota to support the Minnesota  
9.34 Aquatic Invasive Species Research Center in  
9.35 finding solutions to Minnesota's aquatic  
9.36 invasive species problems through research,  
9.37 control, prevention, and early detection of

10.1 existing and emerging aquatic invasive species  
10.2 threats. This appropriation is available until  
10.3 June 30, 2021, by which time the project must  
10.4 be completed and final products delivered.

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

10.6 \$729,000 the first year is from the trust fund  
10.7 to the commissioner of agriculture in  
10.8 cooperation with the Board of Regents of the  
10.9 University of Minnesota to implement  
10.10 biocontrol of emerald ash borer using a newly  
10.11 approved parasitic wasp, assess the impact of  
10.12 the statewide program, and engage citizen  
10.13 volunteers. This appropriation is available  
10.14 until June 30, 2020, by which time the project  
10.15 must be completed and final products  
10.16 delivered.

10.17 **(c) Invasive Bighead and Silver Carp and Native**  
10.18 **Fish Evaluation - Phase II**

10.19 \$500,000 the first year is from the trust fund  
10.20 to the commissioner of natural resources to  
10.21 continue invasive bighead and silver carp  
10.22 monitoring in the Mississippi River and  
10.23 tributaries through advanced acoustic  
10.24 telemetry and assess food chains to determine  
10.25 how native species might prevent invasive  
10.26 bighead and silver carp establishment. This  
10.27 appropriation is available until June 30, 2020,  
10.28 by which time the project must be completed  
10.29 and final products delivered.

10.30 **(d) Adapting Stream Barriers to Remove**  
10.31 **Common Carp**

10.32 \$301,000 the first year is from the trust fund  
10.33 to the Board of Regents of the University of  
10.34 Minnesota to conduct field tests at existing  
10.35 barrier sites and laboratory experiments to  
10.36 adapt a technology to remove common carp

11.1 from streams during carp spawning migrations  
 11.2 in Minnesota.

11.3 **(e) Tactical Invasive Plant Management Plan**  
 11.4 **Development**

11.5 \$296,000 the first year is from the trust fund  
 11.6 to the commissioner of agriculture in  
 11.7 cooperation with the Board of Regents of the  
 11.8 University of Minnesota to develop regional  
 11.9 priorities and an interagency action plan for  
 11.10 invasive plant management to protect and  
 11.11 promote habitat and native species. This  
 11.12 appropriation is available until June 30, 2020,  
 11.13 by which time the project must be completed  
 11.14 and final products delivered.

11.15 **(f) Maximize Value of Water Impoundments to**  
 11.16 **Wildlife**

11.17 \$195,000 the first year is from the trust fund  
 11.18 to the commissioner of natural resources for  
 11.19 an agreement with the National Audubon  
 11.20 Society, Minnesota office, to control invasive  
 11.21 hybrid cattails in water impoundments to  
 11.22 improve habitat quality for migrating and  
 11.23 breeding birds. This appropriation is available  
 11.24 until June 30, 2020, by which time the project  
 11.25 must be completed and final products  
 11.26 delivered.

11.27 **Subd. 7. Air Quality, Climate**  
 11.28 **Change, and Renewable**  
 11.29 **Energy**

-0-	<u>1,700,000</u>	<u>-0-</u>
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11.30 **(a) Assessment of Urban Air Quality**

11.31 \$700,000 the first year is from the trust fund  
 11.32 to the commissioner of the Pollution Control  
 11.33 Agency to set up and operate a network of 250  
 11.34 air pollution sensors at 50 sites to monitor fine  
 11.35 particles, ozone, nitrogen oxides, sulfur  
 11.36 dioxide, and carbon monoxide in each zip code  
 11.37 for the cities of Minneapolis and St. Paul to

12.1 assess variability of urban air pollution. This  
 12.2 appropriation is available until June 30, 2020,  
 12.3 by which time the project must be completed  
 12.4 and final products delivered.

12.5 **(b) District Heating with Renewable Biomass at**  
 12.6 **Camp Ripley Training Center**

12.7 \$1,000,000 the first year is from the trust fund  
 12.8 to the commissioner of military affairs to  
 12.9 install a 5,000,000-BTU centralized biomass  
 12.10 boiler system utilizing the forestry  
 12.11 management at Camp Ripley. This  
 12.12 appropriation must be matched by at least  
 12.13 \$900,000 of nonstate money and must be  
 12.14 committed by December 31, 2017. This  
 12.15 appropriation is available until June 30, 2020,  
 12.16 by which time the project must be completed  
 12.17 and final products delivered.

12.18 **Subd. 8. Methods to Protect**  
 12.19 **or Restore Land, Water, and**  
 12.20 **Habitat**

1,029,000

28,537,000

-0-

12.21 **(a) Optimizing the Nutrition of Roadside Plants**  
 12.22 **for Pollinators**

12.23 \$815,000 the first year is from the trust fund  
 12.24 to the Board of Regents of the University of  
 12.25 Minnesota in cooperation with the  
 12.26 Departments of Agriculture, Natural  
 12.27 Resources, and Transportation and the Board  
 12.28 of Water and Soil Resources to produce  
 12.29 site-specific recommendations for roadside  
 12.30 plantings in Minnesota to maximize the  
 12.31 nutritional health of native bees and monarch  
 12.32 butterflies that rely on roadside habitat  
 12.33 corridors. This appropriation is available until  
 12.34 June 30, 2020, by which time the project must  
 12.35 be completed and final products delivered.

12.36 **(b) Promoting Conservation Biocontrol of**  
 12.37 **Beneficial Insects**

13.1 \$400,000 the first year is from the trust fund  
13.2 to the Board of Regents of the University of  
13.3 Minnesota to research integrated pest  
13.4 management strategies, including insecticide  
13.5 alternatives, and overwintering habitat sites  
13.6 to conserve beneficial insects, including bees,  
13.7 butterflies, and predator insects. The integrated  
13.8 pest management strategies will be used to  
13.9 develop best management practices to increase  
13.10 pollinator and beneficial insect diversity and  
13.11 abundance in various restored habitats. This  
13.12 appropriation is available until June 30, 2020,  
13.13 by which time the project must be completed  
13.14 and final products delivered.

13.15 **(c) Evaluating the Use of Bison to Restore and**  
13.16 **Preserve Savanna Habitat**

13.17 \$388,000 the first year is from the trust fund  
13.18 to the Board of Regents of the University of  
13.19 Minnesota, Cedar Creek Ecosystem Science  
13.20 Reserve, to research combined bison grazing  
13.21 and fire management strategies to restore  
13.22 Minnesota's oak savanna ecosystems. This  
13.23 appropriation is available until June 30, 2020,  
13.24 by which time the project must be completed  
13.25 and final products delivered.

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

13.27 \$672,000 the first year is from the trust fund  
13.28 to the commissioner of natural resources to  
13.29 restore at least 520 acres of monarch butterfly  
13.30 and other native pollinator habitats in at least  
13.31 seven state parks in the Minnesota Prairie  
13.32 Conservation Plan core areas and establish  
13.33 pollinator plantings and interpretive exhibits  
13.34 in at least ten state parks. This appropriation  
13.35 is available until June 30, 2021, by which time

14.1 the project must be completed and final  
14.2 products delivered.

14.3 **(e) Enhancing Spawning Habitat Restoration in**  
14.4 **Minnesota Lakes**

14.5 \$294,000 the first year is from the trust fund  
14.6 to the Board of Regents of the University of  
14.7 Minnesota, St. Anthony Falls Laboratory, in  
14.8 cooperation with the Department of Natural  
14.9 Resources to enhance efforts to increase  
14.10 natural reproduction of fish in Minnesota lakes  
14.11 by assessing wave energy impacts on  
14.12 near-shore spawning habitat. This  
14.13 appropriation is available until June 30, 2020,  
14.14 by which time the project must be completed  
14.15 and final products delivered.

14.16 **(f) Prescribed-Fire Management for Roadside**  
14.17 **Prairies**

14.18 \$345,000 the first year is from the trust fund  
14.19 to the commissioner of transportation to  
14.20 enhance the prescribed-fire program to manage  
14.21 roadsides to protect and increase biodiversity  
14.22 and pollinator habitat. This appropriation is  
14.23 available until June 30, 2020, by which time  
14.24 the project must be completed and final  
14.25 products delivered.

14.26 **(g) Minnesota Bee and Beneficial Species Habitat**  
14.27 **Restoration**

14.28 \$732,000 the first year is from the trust fund  
14.29 to the commissioner of natural resources for  
14.30 an agreement with Pheasants Forever in  
14.31 cooperation with the University of Minnesota  
14.32 and the Minnesota Honey Producers  
14.33 Association to restore approximately 800 acres  
14.34 of permanently protected land to enhance bee,  
14.35 butterfly, beneficial insect, and grassland bird  
14.36 habitats. This appropriation is available until

15.1 June 30, 2021, by which time the project must  
15.2 be completed and final products delivered.

15.3 **(h) Mississippi and Vermillion Rivers**  
15.4 **Restoration of Prairie, Savanna, and Forest**  
15.5 **Habitat - Phase X**

15.6 \$213,000 the first year is from the trust fund  
15.7 to the commissioner of natural resources for  
15.8 an agreement with Friends of the Mississippi  
15.9 River for continued implementation of the  
15.10 Metro Conservation Corridors partnership by  
15.11 improving at least 80 acres of habitat at  
15.12 approximately seven sites along the  
15.13 Mississippi River and Vermillion River  
15.14 corridors. Expenditures are limited to the  
15.15 identified project corridor areas as defined in  
15.16 the work plan. A list of proposed restoration  
15.17 sites must be provided as part of the required  
15.18 work plan. Plant and seed materials must  
15.19 follow the Board of Water and Soil Resources'  
15.20 native vegetation establishment and  
15.21 enhancement guidelines. This appropriation  
15.22 is available until June 30, 2020, by which time  
15.23 the project must be completed and final  
15.24 products delivered.

15.25 **(i) Economic Assessment of Precision**  
15.26 **Conservation and Agriculture**

15.27 \$400,000 the first year is from the trust fund  
15.28 to the commissioner of natural resources for  
15.29 an agreement with Pheasants Forever to  
15.30 demonstrate a new approach to promote  
15.31 conservation practices utilizing  
15.32 return-on-investment analysis and identifying  
15.33 revenue-negative acres on agricultural land to  
15.34 assist farmers in implementing conservation  
15.35 practices that will provide environmental and  
15.36 economic benefits. This appropriation is  
15.37 available until June 30, 2020, by which time

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

16.3 **(j) Conservation Reserve Enhancement Program**  
 16.4 **(CREP) Outreach and Implementation**

16.5 \$6,000,000 the first year is from the trust fund  
 16.6 to the Board of Water and Soil Resources to  
 16.7 fund staff at soil and water conservation  
 16.8 districts to assist landowners participating in  
 16.9 the federal Conservation Reserve  
 16.10 Enhancement Program. This appropriation is  
 16.11 contingent upon receipt of federal funds for  
 16.12 implementation. This appropriation is  
 16.13 available until June 30, 2020, by which time  
 16.14 the project must be completed and final  
 16.15 products delivered.

16.16 **(k) Conservation Reserve Enhancement**  
 16.17 **Program (CREP)**

16.18 \$1,029,000 in fiscal year 2017 and  
 16.19 \$18,278,000 the first year are from the trust  
 16.20 fund to the Board of Water and Soil Resources  
 16.21 to acquire permanent conservation easements  
 16.22 and restore land under Minnesota Statutes,  
 16.23 section 103F.515. This work may be done in  
 16.24 cooperation with the federal Conservation  
 16.25 Reserve Enhancement Program. This  
 16.26 appropriation is available until June 30, 2021,  
 16.27 by which time the project must be completed  
 16.28 and final products delivered.

16.29 **Subd. 9. Land Acquisition,**  
 16.30 **Habitat, and Recreation**

999,000

5,358,000

-0-

16.31 **(a) Minnesota State Trails Acquisition,**  
 16.32 **Development, and Enhancement**

16.33 \$999,000 in fiscal year 2017 and \$39,000 the  
 16.34 first year are from the trust fund to the  
 16.35 commissioner of natural resources for state  
 16.36 trail acquisition, development, and  
 16.37 enhancement in southern Minnesota. A

17.1 proposed list of trail projects on authorized  
17.2 state trails must be provided as part of the  
17.3 required work plan. This appropriation is  
17.4 available until June 30, 2020, by which time  
17.5 the project must be completed and final  
17.6 products delivered.

17.7 **(b) Leech Lake Acquisition**

17.8 \$1,500,000 the first year is from the trust fund  
17.9 to the commissioner of natural resources for  
17.10 an agreement with the Leech Lake Band of  
17.11 Ojibwe to acquire approximately 45 acres,  
17.12 including 0.67 miles of shoreline of  
17.13 high-quality aquatic and wildlife habitat at the  
17.14 historic meeting place between Henry  
17.15 Schoolcraft and the Anishinabe people. The  
17.16 land must be open to public use including  
17.17 hunting and fishing. The band must provide a  
17.18 commitment that land will not be put in a  
17.19 federal trust through the Bureau of Indian  
17.20 Affairs.

17.21 **(c) Mesabi Trail Development**

17.22 \$2,269,000 the first year is from the trust fund  
17.23 to the commissioner of natural resources for  
17.24 an agreement with the St. Louis and Lake  
17.25 Counties Regional Railroad Authority for  
17.26 engineering and constructing segments of the  
17.27 Mesabi Trail. This appropriation is available  
17.28 until June 30, 2020, by which time the project  
17.29 must be completed and final products  
17.30 delivered.

17.31 **(d) Tower Trailhead Boat Landing and Habitat**  
17.32 **Improvement - Phase II**

17.33 \$600,000 the first year is from the trust fund  
17.34 to the commissioner of natural resources for  
17.35 an agreement with the city of Tower to  
17.36 construct a trailhead and boat landing and

18.1 restore vegetative habitat on city-owned  
 18.2 property. Plant and seed materials must follow  
 18.3 the Board of Water and Soil Resources' native  
 18.4 vegetation establishment and enhancement  
 18.5 guidelines. This appropriation is available until  
 18.6 June 30, 2020, by which time the project must  
 18.7 be completed and final products delivered.

18.8 **(e) Land Acquisition for Voyageurs National**  
 18.9 **Park Crane Lake Visitors Center**

18.10 \$950,000 the first year is from the trust fund  
 18.11 to the commissioner of natural resources for  
 18.12 an agreement with the town of Crane Lake, in  
 18.13 partnership with Voyageurs National Park and  
 18.14 the Department of Natural Resources, to  
 18.15 acquire approximately 30 acres to be used for  
 18.16 a visitor center and campground. Income  
 18.17 generated by the campground may be used to  
 18.18 support the facility.

18.19 **Subd. 10. Administration and**  
 18.20 **Contract Agreement**

18.21 <b><u>Reimbursement</u></b>	-0-	<u>1,340,000</u>	-0-
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18.22 **(a) Contract Agreement Reimbursement**

18.23 \$135,000 the first year is from the trust fund  
 18.24 to the commissioner of natural resources, at  
 18.25 the direction of the Legislative-Citizen  
 18.26 Commission on Minnesota Resources, for  
 18.27 expenses incurred for contract agreement  
 18.28 reimbursement for the agreements specified  
 18.29 in this section. The commissioner shall provide  
 18.30 documentation to the Legislative-Citizen  
 18.31 Commission on Minnesota Resources on the  
 18.32 expenditure of these funds.

18.33 **(b) Legislative-Citizen Commission on**  
 18.34 **Minnesota Resources (LCCMR) Administration**

18.35 \$1,200,000 the first year is from the trust fund  
 18.36 to the Legislative-Citizen Commission on  
 18.37 Minnesota Resources for administration in

19.1 fiscal years 2018 and 2019 as provided in  
19.2 Minnesota Statutes, section 116P.09,  
19.3 subdivision 5.

19.4 **(c) Legislative Coordinating Commission Legacy**  
19.5 **Web site**

19.6 \$5,000 the first year is from the trust fund to  
19.7 the Legislative Coordinating Commission for  
19.8 the Web site required in Minnesota Statutes,  
19.9 section 3.303, subdivision 10.

19.10 **Subd. 11. Availability of Appropriations**

19.11 Money appropriated in this section may not  
19.12 be spent on activities unless they are directly  
19.13 related to and necessary for a specific  
19.14 appropriation and are specified in the work  
19.15 plan approved by the Legislative-Citizen  
19.16 Commission on Minnesota Resources. Money  
19.17 appropriated in this section must not be spent  
19.18 on indirect costs or other institutional overhead  
19.19 charges that are not directly related to and  
19.20 necessary for a specific appropriation. Costs  
19.21 that are directly related to and necessary for  
19.22 an appropriation, including financial services,  
19.23 human resources, information services, rent,  
19.24 and utilities, are eligible only if the costs can  
19.25 be clearly justified and individually  
19.26 documented specific to the appropriation's  
19.27 purpose and would not be generated by the  
19.28 recipient but for receipt of the appropriation.

19.29 No broad allocations for costs in either dollars  
19.30 or percentages are allowed. Unless otherwise  
19.31 provided, the amounts in this section are  
19.32 available until June 30, 2019, when projects  
19.33 must be completed and final products  
19.34 delivered. For acquisition of real property, the  
19.35 appropriations in this section are available for  
19.36 an additional fiscal year if a binding contract

20.1 for acquisition of the real property is entered  
20.2 into before the expiration date of the  
20.3 appropriation. If a project receives a federal  
20.4 grant, the time period of the appropriation is  
20.5 extended to equal the federal grant period.

20.6 **Subd. 12. Data Availability Requirements**

20.7 Data collected by the projects funded under  
20.8 this section must conform to guidelines and  
20.9 standards adopted by MN.IT Services. Spatial  
20.10 data must also conform to additional  
20.11 guidelines and standards designed to support  
20.12 data coordination and distribution that have  
20.13 been published by the Minnesota Geospatial  
20.14 Information Office. Descriptions of spatial  
20.15 data must be prepared as specified in the state's  
20.16 geographic metadata guideline and must be  
20.17 submitted to the Minnesota Geospatial  
20.18 Information Office. All data must be  
20.19 accessible and free to the public unless made  
20.20 private under the Data Practices Act,  
20.21 Minnesota Statutes, chapter 13. To the extent  
20.22 practicable, summary data and results of  
20.23 projects funded under this section should be  
20.24 readily accessible on the Internet and  
20.25 identified as having received funding from the  
20.26 environment and natural resources trust fund.

20.27 **Subd. 13. Project Requirements**

20.28 (a) As a condition of accepting an  
20.29 appropriation under this section, an agency or  
20.30 entity receiving an appropriation or a party to  
20.31 an agreement from an appropriation must  
20.32 comply with paragraphs (b) to (l) and  
20.33 Minnesota Statutes, chapter 116P, and must  
20.34 submit a work plan and annual or semiannual  
20.35 progress reports in the form determined by the

- 21.1 Legislative-Citizen Commission on Minnesota  
21.2 Resources for any project funded in whole or  
21.3 in part with funds from the appropriation.  
21.4 Modifications to the approved work plan and  
21.5 budget expenditures must be made through  
21.6 the amendment process established by the  
21.7 Legislative-Citizen Commission on Minnesota  
21.8 Resources.
- 21.9 (b) A recipient of money appropriated in this  
21.10 section that conducts a restoration using funds  
21.11 appropriated in this section must use native  
21.12 plant species according to the Board of Water  
21.13 and Soil Resources' native vegetation  
21.14 establishment and enhancement guidelines  
21.15 and include an appropriate diversity of native  
21.16 species selected to provide habitat for  
21.17 pollinators throughout the growing season as  
21.18 required under Minnesota Statutes, section  
21.19 84.973.
- 21.20 (c) For all restorations conducted with money  
21.21 appropriated under this section, a recipient  
21.22 must prepare an ecological restoration and  
21.23 management plan that, to the degree  
21.24 practicable, is consistent with the highest  
21.25 quality conservation and ecological goals for  
21.26 the restoration site. Consideration should be  
21.27 given to soil, geology, topography, and other  
21.28 relevant factors that would provide the best  
21.29 chance for long-term success and durability  
21.30 of the restoration project. The plan must  
21.31 include the proposed timetable for  
21.32 implementing the restoration, including site  
21.33 preparation, establishment of diverse plant  
21.34 species, maintenance, and additional  
21.35 enhancement to establish the restoration;

- 22.1 identify long-term maintenance and  
22.2 management needs of the restoration and how  
22.3 the maintenance, management, and  
22.4 enhancement will be financed; and take  
22.5 advantage of the best available science and  
22.6 include innovative techniques to achieve the  
22.7 best restoration.
- 22.8 (d) An entity receiving an appropriation in this  
22.9 section for restoration activities must provide  
22.10 an initial restoration evaluation at the  
22.11 completion of the appropriation and an  
22.12 evaluation three years beyond the completion  
22.13 of the expenditure. Restorations must be  
22.14 evaluated relative to the stated goals and  
22.15 standards in the restoration plan, current  
22.16 science, and, when applicable, the Board of  
22.17 Water and Soil Resources' native vegetation  
22.18 establishment and enhancement guidelines.  
22.19 The evaluation must determine whether the  
22.20 restorations are meeting planned goals,  
22.21 identify any problems with the implementation  
22.22 of the restorations, and, if necessary, give  
22.23 recommendations on improving restorations.  
22.24 The evaluation must be focused on improving  
22.25 future restorations.
- 22.26 (e) All restoration and enhancement projects  
22.27 funded with money appropriated in this section  
22.28 must be on land permanently protected by a  
22.29 conservation easement or public ownership.
- 22.30 (f) A recipient of money from an appropriation  
22.31 under this section must give consideration to  
22.32 contracting with Conservation Corps  
22.33 Minnesota for contract restoration and  
22.34 enhancement services.

23.1 (g) All conservation easements acquired with  
23.2 money appropriated under this section must:  
23.3 (1) be permanent;  
23.4 (2) specify the parties to an easement in the  
23.5 easement;  
23.6 (3) specify all of the provisions of an  
23.7 agreement that are permanent;  
23.8 (4) be sent to the Legislative-Citizen  
23.9 Commission on Minnesota Resources in an  
23.10 electronic format at least ten business days  
23.11 before closing;  
23.12 (5) include a long-term monitoring and  
23.13 enforcement plan and funding for monitoring  
23.14 and enforcing the easement agreement; and  
23.15 (6) include requirements in the easement  
23.16 document to address specific groundwater and  
23.17 surface water quality protection activities such  
23.18 as keeping water on the landscape, reducing  
23.19 nutrient and contaminant loading, protecting  
23.20 groundwater, and not permitting artificial  
23.21 hydrological modifications.  
23.22 (h) For any acquisition of lands or interest in  
23.23 lands, a recipient of money appropriated under  
23.24 this section must not agree to pay more than  
23.25 100 percent of the appraised value for a parcel  
23.26 of land using this money to complete the  
23.27 purchase, in part or in whole, except that up  
23.28 to ten percent above the appraised value may  
23.29 be allowed to complete the purchase, in part  
23.30 or in whole, using this money if permission is  
23.31 received in advance of the purchase from the  
23.32 Legislative-Citizen Commission on Minnesota  
23.33 Resources.

- 24.1 (i) For any acquisition of land or interest in  
24.2 land, a recipient of money appropriated under  
24.3 this section must give priority to high-quality  
24.4 natural resources or conservation lands that  
24.5 provide natural buffers to water resources.
- 24.6 (j) For new lands acquired with money  
24.7 appropriated under this section, a recipient  
24.8 must prepare an ecological restoration and  
24.9 management plan in compliance with  
24.10 paragraph (c), including sufficient funding for  
24.11 implementation unless the work plan addresses  
24.12 why a portion of the money is not necessary  
24.13 to achieve a high-quality restoration.
- 24.14 (k) To ensure public accountability for the use  
24.15 of public funds, within 60 days of the  
24.16 transaction, a recipient of money appropriated  
24.17 under this section must provide to the  
24.18 Legislative-Citizen Commission on Minnesota  
24.19 Resources documentation of the selection  
24.20 process used to identify parcels acquired and  
24.21 provide documentation of all related  
24.22 transaction costs, including but not limited to  
24.23 appraisals, legal fees, recording fees,  
24.24 commissions, other similar costs, and  
24.25 donations. This information must be provided  
24.26 for all parties involved in the transaction. The  
24.27 recipient must also report to the  
24.28 Legislative-Citizen Commission on Minnesota  
24.29 Resources any difference between the  
24.30 acquisition amount paid to the seller and the  
24.31 state-certified or state-reviewed appraisal, if  
24.32 a state-certified or state-reviewed appraisal  
24.33 was conducted.
- 24.34 (l) A recipient of an appropriation from the  
24.35 trust fund under this section must acknowledge

25.1 financial support from the environment and  
25.2 natural resources trust fund in project  
25.3 publications, signage, and other public  
25.4 communications and outreach related to work  
25.5 completed using the appropriation.  
25.6 Acknowledgment may occur, as appropriate,  
25.7 through use of the trust fund logo or inclusion  
25.8 of language attributing support from the trust  
25.9 fund. Each direct recipient of money  
25.10 appropriated in this section, as well as each  
25.11 recipient of a grant awarded pursuant to this  
25.12 section, must satisfy all reporting and other  
25.13 requirements incumbent upon constitutionally  
25.14 dedicated funding recipients as provided in  
25.15 Minnesota Statutes, section 3.303, subdivision  
25.16 10, and chapter 116P.  
25.17 **Subd. 14. Payment Conditions and Capital**  
25.18 **Equipment Expenditures**  
25.19 (a) All agreements, grants, or contracts  
25.20 referred to in this section must be administered  
25.21 on a reimbursement basis unless otherwise  
25.22 provided in this section. Notwithstanding  
25.23 Minnesota Statutes, section 16A.41,  
25.24 expenditures made on or after July 1, 2017,  
25.25 or the date the work plan is approved,  
25.26 whichever is later, are eligible for  
25.27 reimbursement unless otherwise provided in  
25.28 this section. Periodic payments must be made  
25.29 upon receiving documentation that the  
25.30 deliverable items articulated in the approved  
25.31 work plan have been achieved, including  
25.32 partial achievements as evidenced by approved  
25.33 progress reports. Reasonable amounts may be  
25.34 advanced to projects to accommodate cash  
25.35 flow needs or match federal money. The  
25.36 advances must be approved as part of the work

26.1 plan. No expenditures for capital equipment  
26.2 are allowed unless expressly authorized in the  
26.3 project work plan.

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

26.6 **Subd. 15. Purchase of Recycled and Recyclable**  
26.7 **Materials**

26.8 A political subdivision, public or private  
26.9 corporation, or other entity that receives an  
26.10 appropriation under this section must use the  
26.11 appropriation in compliance with Minnesota  
26.12 Statutes, section 16C.0725, regarding purchase  
26.13 of recycled, repairable, and durable materials  
26.14 and Minnesota Statutes, section 16C.073,  
26.15 regarding purchase and use of paper stock and  
26.16 printing.

26.17 **Subd. 16. Energy Conservation and Sustainable**  
26.18 **Building Guidelines**

26.19 A recipient to whom an appropriation is made  
26.20 under this section for a capital improvement  
26.21 project must ensure that the project complies  
26.22 with the applicable energy conservation and  
26.23 sustainable building guidelines and standards  
26.24 contained in law, including Minnesota  
26.25 Statutes, sections 16B.325, 216C.19, and  
26.26 216C.20, and rules adopted under those  
26.27 sections. The recipient may use the energy  
26.28 planning, advocacy, and State Energy Office  
26.29 units of the Department of Commerce to  
26.30 obtain information and technical assistance  
26.31 on energy conservation and alternative energy  
26.32 development relating to planning and  
26.33 constructing the capital improvement project.

26.34 **Subd. 17. Accessibility**

26.35 Structural and nonstructural facilities must  
26.36 meet the design standards in the Americans

- 27.1 with Disabilities Act (ADA) accessibility  
27.2 guidelines.
- 27.3 **Subd. 18. Carryforward; Extension**
- 27.4 (a) The availability of the appropriations for  
27.5 the following projects are extended to June  
27.6 30, 2018:
- 27.7 (1) Laws 2014, chapter 226, section 2,  
27.8 subdivision 3, paragraph (d), Evaluation of  
27.9 Wastewater Nitrogen and Estrogen Treatment  
27.10 Options;
- 27.11 (2) Laws 2014, chapter 226, section 2,  
27.12 subdivision 4, paragraph (f), Brown  
27.13 Marmorated Stink Bug Monitoring and  
27.14 Biocontrol Evaluation;
- 27.15 (3) Laws 2014, chapter 226, section 2,  
27.16 subdivision 6, paragraph (h), Nutrient Capture  
27.17 through Water Management and Biomass  
27.18 Harvesting;
- 27.19 (4) Laws 2015, chapter 76, section 2,  
27.20 subdivision 3, paragraph (l), Genetic and  
27.21 Camera Techniques to Estimate Carnivore  
27.22 Populations;
- 27.23 (5) Laws 2015, chapter 76, section 2,  
27.24 subdivision 7, paragraph (c), Building  
27.25 Deconstruction to Reduce Greenhouse Gas  
27.26 Emissions and Solid Waste; and
- 27.27 (6) Laws 2015, chapter 76, section 2,  
27.28 subdivision 10, Emerging Issues Account.
- 27.29 (b) The availability of the appropriations for  
27.30 the following projects are extended to June  
27.31 30, 2019:
- 27.32 (1) Laws 2014, chapter 226, section 2,  
27.33 subdivision 10, paragraph (c),

28.1 Legislative-Citizen Commission on Minnesota  
28.2 Resources (LCCMR), as extended by Laws  
28.3 2016, chapter 186, section 2, subdivision 18,  
28.4 clause (8);  
28.5 (2) Laws 2015, chapter 76, section 2,  
28.6 subdivision 7, paragraph (a), Renewable and  
28.7 Sustainable Fertilizers Produced Locally;  
28.8 (3) Laws 2015, chapter 76, section 2,  
28.9 subdivision 8, paragraph (h), Improving  
28.10 Community Forests Through Citizen  
28.11 Engagement; and  
28.12 (4) Laws 2016, chapter 186, section 2,  
28.13 subdivision 9, paragraph (b), Minnesota Point  
28.14 Pine Forest Scientific and Natural Area  
28.15 Acquisition.

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

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

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

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

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

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

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

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

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

29.9 (4) provide for project outcome evaluation;

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

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

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

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

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

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

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