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State of Minnesota

Printed Page No. 343

HOUSE OF REPRESENTATIVES

EIGHTY-SIXTH SESSION

HOUSE FILE No. 2624

February 4, 2010
Authorized by Wagenius, Carlson and Howes
The bill was read for the first time and referred to the Committee on Finance
February 16, 2010
Committee Recommendation and Adoption of Report:
To Pass as Amended and re-referred to the Committee on Ways and Means
February 22, 2010
Committee Recommendation and Adoption of Report:
To Pass
Read Second Time

1.1 A bill for an act
1.2 relating to state government; appropriating money for environment and natural
1.3 resources.

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

1.5 Section 1. MINNESOTA RESOURCES APPROPRIATION.

1.6 The sums shown in the columns marked "Appropriations" are appropriated to the
1.7 agencies and for the purposes specified in this act. The appropriations are from the
1.8 environment and natural resources trust fund, or another named fund, and are available for
1.9 the fiscal years indicated for each purpose. The figures "2010" and "2011" used in this
1.10 act mean that the appropriations listed under them are available for the fiscal year ending
1.11 June 30, 2010, or June 30, 2011, respectively. "The first year" is fiscal year 2010. "The
1.12 second year" is fiscal year 2011. "The biennium" is fiscal years 2010 and 2011. The
1.13 appropriations in this act are onetime. Appropriations for fiscal year 2010 are available the
1.14 day following final enactment.

1.15 APPROPRIATIONS
1.16 Available for the Year
1.17 Ending June 30
1.18 2010 2011

1.19 Sec. 2. MINNESOTA RESOURCES.

1.20 Subdivision 1. Total Appropriations \$ 418,000 \$ 25,611,000

Table with 3 columns: Appropriations by Fund, 2010, 2011. Row 1: Environment and natural resources trust fund, 418,000, 25,611,000

2.1 Appropriations are available for two  
 2.2 years beginning July 1, 2010, unless  
 2.3 otherwise stated in the appropriation. Any  
 2.4 unencumbered balance remaining in the first  
 2.5 year does not cancel and is available for the  
 2.6 second year.

2.7 **Subd. 2. Trust Fund Definition**

2.8 "Trust fund" means the Minnesota  
 2.9 environment and natural resources trust fund  
 2.10 referred to in Minnesota Statutes, section  
 2.11 116P.02, subdivision 6.

2.12 **Subd. 3. Natural Resource Data and**  
 2.13 **Information**

-0-                      4,920,000

2.14 **(a) County Geologic Atlases and Related**  
 2.15 **Hydrogeologic Research**

2.16 \$1,130,000 is from the trust fund to the Board  
 2.17 of Regents of the University of Minnesota for  
 2.18 the Geologic Survey to initiate and continue  
 2.19 the production of county geologic atlases,  
 2.20 establish hydrologic properties necessary to  
 2.21 water management, and investigate the use  
 2.22 of geochemical data in water management.  
 2.23 This appropriation represents a continuing  
 2.24 effort to complete the county geologic atlases  
 2.25 throughout the state. This appropriation  
 2.26 is available until June 30, 2013, by which  
 2.27 time the project must be completed and final  
 2.28 products delivered.

2.29 **(b) Updating Minnesota Wetlands Inventory:**  
 2.30 **Phase 2**

2.31 \$1,100,000 is from the trust fund to the  
 2.32 commissioner of natural resources to  
 2.33 continue the update of wetland inventory  
 2.34 maps for Minnesota. This appropriation  
 2.35 is available until June 30, 2013, by which

3.1 time the project must be completed and final  
3.2 products delivered.

3.3 **(c) Minnesota Breeding Bird Atlas**

3.4 \$372,000 is from the trust fund to continue  
3.5 development of a statewide survey of  
3.6 Minnesota breeding bird distribution and  
3.7 create related publications, including a book  
3.8 and online atlas with distribution maps  
3.9 and breeding status. Of this appropriation,  
3.10 \$211,000 is to the commissioner of natural  
3.11 resources for an agreement with Audubon  
3.12 Minnesota and \$161,000 is to the Board of  
3.13 Regents of the University of Minnesota for  
3.14 the Natural Resources Research Institute.  
3.15 The atlas must be available for downloading  
3.16 on the Internet free of charge.

3.17 **(d) Integrated, Operational Bird Conservation**  
3.18 **Plan for Minnesota**

3.19 \$151,000 is from the trust fund to the  
3.20 commissioner of natural resources for an  
3.21 agreement with Audubon Minnesota to  
3.22 develop an integrated bird conservation plan  
3.23 targeting priority species and providing a  
3.24 framework for implementing coordinated,  
3.25 focused, and effective bird conservation  
3.26 throughout Minnesota.

3.27 **(e) Mitigating Pollinator Decline in Minnesota**

3.28 \$297,000 is from the trust fund to the Board  
3.29 of Regents of the University of Minnesota to  
3.30 assess the role of insecticides in pollinator  
3.31 health in order to help mitigate pollinator  
3.32 decline. This appropriation is available  
3.33 until June 30, 2013, by which time the  
3.34 project must be completed and final products  
3.35 delivered.

4.1 **(f) Science and Innovation from Soudan**  
4.2 **Underground Mine State Park**

4.3 \$545,000 is from the trust fund to the Board  
4.4 of Regents of the University of Minnesota  
4.5 to characterize unique microbes discovered  
4.6 in the Soudan Underground Mine State Park  
4.7 and investigate the potential application  
4.8 in bioenergy and bioremediation. This  
4.9 appropriation is available until June 30,  
4.10 2013, by which time the project must be  
4.11 completed and final products delivered.

4.12 **(g) Quantifying Carbon Burial in Wetlands**

4.13 \$144,000 is from the trust fund to the  
4.14 Board of Regents of the University of  
4.15 Minnesota to determine the potential for  
4.16 carbon sequestration in Minnesota's shallow  
4.17 lakes and wetlands. This appropriation is  
4.18 available until June 30, 2013, by which time  
4.19 the project must be completed and final  
4.20 products delivered.

4.21 **(h) Strategic Planning for Minnesota's Natural**  
4.22 **and Artificial Watersheds**

4.23 \$327,000 is from the trust fund to the Board  
4.24 of Regents of the University of Minnesota  
4.25 to identify the interrelationship between  
4.26 artificial systems of drain tiles and ditches  
4.27 and natural watersheds to guide placement  
4.28 of buffers and stream bed restoration and  
4.29 modification.

4.30 **(i) Ecosystem Services in Agricultural**  
4.31 **Watersheds**

4.32 \$247,000 is from the trust fund to the  
4.33 commissioner of natural resources for  
4.34 an agreement with the Chippewa River  
4.35 Watershed Project to develop local food and

5.1 perennial biofuels markets coupled with  
 5.2 conservation incentives to encourage farmers  
 5.3 to diversify land cover in the Chippewa  
 5.4 River Watershed supporting improvement to  
 5.5 water quality and habitat. This appropriation  
 5.6 is available until June 30, 2013, by which  
 5.7 time the project must be completed and final  
 5.8 products delivered.

5.9 **(j) Farmland Conservation in Minnesota**

5.10 \$100,000 is from the trust fund to the  
 5.11 commissioner of natural resources for an  
 5.12 agreement with the Farmers Legal Action  
 5.13 Group, Inc. to assess the implementation of  
 5.14 applicable laws for preserving agricultural  
 5.15 land and develop a comprehensive and  
 5.16 systematic approach and policy tools to  
 5.17 preserve agricultural lands.

5.18 **(k) Identifying Critical Habitats for Moose in**  
 5.19 **Northeastern Minnesota**

5.20 \$507,000 is from the trust fund to the Board  
 5.21 of Regents of the University of Minnesota  
 5.22 for the Natural Resources Research Institute  
 5.23 to identify critical habitats for moose,  
 5.24 develop best management habitat protection  
 5.25 practices, and conduct educational outreach  
 5.26 in cooperation with the Minnesota Zoo.  
 5.27 This appropriation is available until June  
 5.28 30, 2013, by which time the project must be  
 5.29 completed and final products delivered.

5.30 **Subd. 4. Land, Habitat, and Recreation** 418,000 9,762,000

5.31 **(a) Ecological Restoration Training**  
 5.32 **Cooperative for Habitat Restoration**

5.33 \$550,000 is from the trust fund to the Board  
 5.34 of Regents of the University of Minnesota  
 5.35 for improving ecological restoration success

6.1 in Minnesota by developing and offering  
6.2 training programs for habitat restoration  
6.3 professionals. This appropriation is available  
6.4 until June 30, 2013, by which time the  
6.5 project must be completed and final products  
6.6 delivered.

6.7 **(b) Scientific and Natural Areas and Native**  
6.8 **Prairie Restoration, Enhancement, and**  
6.9 **Acquisition**

6.10 \$1,750,000 is from the trust fund to the  
6.11 commissioner of natural resources to  
6.12 acquire lands with high quality native  
6.13 plant communities and rare features to be  
6.14 established as scientific and natural areas  
6.15 as provided in Minnesota Statutes, section  
6.16 86A.05, subdivision 5, restore parts of  
6.17 scientific and natural areas, and provide  
6.18 assistance and incentives for native prairie  
6.19 landowners. A list of proposed acquisitions  
6.20 must be provided as part of the required  
6.21 work program. Land acquired with this  
6.22 appropriation must be sufficiently improved  
6.23 to meet at least minimum management  
6.24 standards as determined by the commissioner  
6.25 of natural resources. This appropriation  
6.26 is available until June 30, 2013, by which  
6.27 time the project must be completed and final  
6.28 products delivered.

6.29 **(c) State Park Land Acquisition**

6.30 \$2,200,000 is from the trust fund to the  
6.31 commissioner of natural resources to  
6.32 acquire and preserve critical parcels within  
6.33 the statutory boundaries of state parks.  
6.34 Land acquired with this appropriation  
6.35 must be sufficiently improved to meet at  
6.36 least minimum management standards as

7.1 determined by the commissioner of natural  
7.2 resources. The first priority for acquisition  
7.3 must be in Crow Wing State Park. A list of  
7.4 proposed acquisitions must be provided as  
7.5 part of the required work program.

7.6 **(d) Protection of Rare Granite Rock Outcrop**  
7.7 **Ecosystem**

7.8 \$1,800,000 is from the trust fund to the  
7.9 Board of Water and Soil Resources, in  
7.10 cooperation with the Renville Soil and Water  
7.11 Conservation District, to continue to acquire  
7.12 perpetual easements of unique granite rock  
7.13 outcrops, located in the Upper Minnesota  
7.14 River Valley. \$418,000 of this appropriation  
7.15 is for fiscal year 2010 and is available the  
7.16 day following final enactment.

7.17 **(e) Minnesota's Habitat Conservation**  
7.18 **Partnership Supplemental**

7.19 \$1,400,000 is added to Laws 2009, chapter  
7.20 143, section 2, subdivision 4, paragraph  
7.21 (e), from the trust fund for the acceleration  
7.22 of agency programs and cooperative  
7.23 agreements. Of this appropriation, \$318,000  
7.24 is to the commissioner of natural resources  
7.25 for agency programs and \$1,082,000 is for  
7.26 agreements as follows: \$425,000 with Ducks  
7.27 Unlimited, Inc.; \$50,000 with National Wild  
7.28 Turkey Federation; \$210,000 with the Nature  
7.29 Conservancy; \$102,000 with Minnesota  
7.30 Land Trust; \$200,000 with the Trust for  
7.31 Public Land; \$45,000 with Friends of Detroit  
7.32 Lakes Wetland Management District; and  
7.33 \$50,000 to the Leech Lake Band of Ojibwe  
7.34 to plan, restore, and acquire fragmented  
7.35 landscape corridors that connect areas of  
7.36 quality habitat to sustain fish, wildlife, and

8.1 plants. The United States Department of  
8.2 Agriculture Natural Resources Conservation  
8.3 Service is an authorized cooperating partner  
8.4 in the appropriation. Expenditures are limited  
8.5 to the project corridor areas as defined in  
8.6 the work program. Land acquired with this  
8.7 appropriation must be sufficiently improved  
8.8 to meet at least minimum habitat and facility  
8.9 management standards as determined by  
8.10 the commissioner of natural resources.  
8.11 This appropriation may not be used for the  
8.12 purchase of residential structures, unless  
8.13 expressly approved in the work program. All  
8.14 conservation easements must be perpetual  
8.15 and have a natural resource management  
8.16 plan. Any land acquired in fee title by the  
8.17 commissioner of natural resources with  
8.18 money from this appropriation must be  
8.19 designated as an outdoor recreation unit  
8.20 under Minnesota Statutes, section 86A.07.  
8.21 The commissioner may similarly designate  
8.22 any lands acquired in less than fee title. A  
8.23 list of proposed restorations and fee title  
8.24 and easement acquisitions must be provided  
8.25 as part of the required work program. All  
8.26 funding for conservation easements must  
8.27 include a long-term stewardship plan and  
8.28 funding for monitoring and enforcing the  
8.29 agreement.

8.30 **(f) Metropolitan Conservation Corridors**  
8.31 **Supplemental**

8.32 \$1,800,000 is added to Laws 2009, chapter  
8.33 143, section 2, subdivision 4, paragraph (f),  
8.34 from the trust fund to the commissioner of  
8.35 natural resources for acceleration of agency  
8.36 programs and cooperative agreements.



9.1 Of this appropriation, \$1,800,000 is for  
9.2 agreements as follows: \$915,000 with  
9.3 the Trust for Public Land; \$485,000 with  
9.4 Minnesota Land Trust; \$350,000 with  
9.5 Minnesota Valley National Wildlife Refuge  
9.6 Trust, Inc.; and \$50,000 with Friends  
9.7 of the Minnesota Valley for planning,  
9.8 restoring, and protecting important natural  
9.9 areas in the metropolitan area, as defined  
9.10 under Minnesota Statutes, section 473.121,  
9.11 subdivision 2, and portions of the surrounding  
9.12 counties, through grants, contracted services,  
9.13 technical assistance, conservation easements,  
9.14 and fee title acquisition. Land acquired  
9.15 with this appropriation must be sufficiently  
9.16 improved to meet at least minimum  
9.17 management standards as determined by  
9.18 the commissioner of natural resources.  
9.19 Expenditures are limited to the identified  
9.20 project corridor areas as defined in the work  
9.21 program. This appropriation may not be used  
9.22 for the purchase of residential structures,  
9.23 unless expressly approved in the work  
9.24 program. All conservation easements must  
9.25 be perpetual and have a natural resource  
9.26 management plan. Any land acquired in fee  
9.27 title by the commissioner of natural resources  
9.28 with money from this appropriation must  
9.29 be designated as an outdoor recreation unit  
9.30 under Minnesota Statutes, section 86A.07.  
9.31 The commissioner may similarly designate  
9.32 any lands acquired in less than fee title. A  
9.33 list of proposed restorations and fee title  
9.34 and easement acquisitions must be provided  
9.35 as part of the required work program. All  
9.36 funding for conservation easements must

10.1 include a long-term stewardship plan and  
10.2 funding for monitoring and enforcing the  
10.3 agreement.

10.4 **(g) Conserving Sensitive and Priority**  
10.5 **Shorelands in Cass County**

10.6 \$300,000 is from the trust fund to the  
10.7 commissioner of natural resources for an  
10.8 agreement with Cass County to provide  
10.9 assistance for the donation of perpetual  
10.10 conservation easements to protect sensitive  
10.11 shoreland parcels for long-term protection  
10.12 of recreation, water quality, and critical  
10.13 habitat in north central Minnesota. This  
10.14 appropriation is available until June 30,  
10.15 2013, by which time the project must be  
10.16 completed and final products delivered.

10.17 **(h) Reconnecting Fragmented Prairie**  
10.18 **Landscapes**

10.19 \$380,000 is from the trust fund to the  
10.20 commissioner of natural resources for an  
10.21 agreement with the Nature Conservancy  
10.22 to develop prairie landscape design plans  
10.23 and monitoring protocol involving local  
10.24 landowners and businesses to guide  
10.25 conservation, restoration, and related  
10.26 economic development. This appropriation  
10.27 is available until June 30, 2013, by which  
10.28 time the project must be completed and final  
10.29 products delivered.

10.30 **Subd. 5. Water Resources**

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3,455,000

10.31 **(a) Understanding Sources of Aquatic**  
10.32 **Contaminants of Emerging Concern**

10.33 \$640,000 is from the trust fund to the  
10.34 Board of Regents of the University of  
10.35 Minnesota to identify chemical markers to

11.1 characterize sources of endocrine disruptors  
11.2 and pharmaceuticals entering surface waters  
11.3 in the Zumbro River Watershed. This  
11.4 appropriation is available until June 30,  
11.5 2013, by which time the project must be  
11.6 completed and final products delivered.

11.7 **(b) Managing Mineland Sulfate Release in St.**  
11.8 **Louis River Basin**

11.9 \$270,000 is from the trust fund to the  
11.10 commissioner of natural resources to map  
11.11 current sulfate sources and assess treatment  
11.12 options to minimize potential impacts of  
11.13 mercury on fish and wildlife from sulfate  
11.14 releases in the St. Louis River Basin. This  
11.15 appropriation is available until June 30,  
11.16 2013, by which time the project must be  
11.17 completed and final products delivered.

11.18 **(c) Ecological Impacts of Effluent in Surface**  
11.19 **Waters and Fish**

11.20 \$340,000 is from the trust fund to the Board  
11.21 of Regents of the University of Minnesota in  
11.22 cooperation with St. Cloud State University  
11.23 to determine the chemical and biological  
11.24 fate of phytoestrogens in surface waters  
11.25 and the impacts on fish. This appropriation  
11.26 is available until June 30, 2013, by which  
11.27 time the project must be completed and final  
11.28 products delivered.

11.29 **(d) Mapleton Area Agricultural and Urban**  
11.30 **Runoff Water Quality Treatment Analysis**

11.31 \$485,000 is from the trust fund to the  
11.32 Board of Water and Soil Resources for  
11.33 an agreement with the Blue Earth County  
11.34 Drainage Authority to reduce soil erosion,  
11.35 peak water flows, and nutrient loading  
11.36 through a demonstration model evaluating

12.1 storage and treatment options in drainage  
12.2 systems in order to improve water quality.  
12.3 This appropriation is available until June  
12.4 30, 2014, by which time the project must be  
12.5 completed and final products delivered.

12.6 **(e) Assessing Septic System Discharge to Lakes**

12.7 \$594,000 is from the trust fund to the  
12.8 commissioner of health for department  
12.9 activities and for an agreement with the  
12.10 United States Geologic Survey in cooperation  
12.11 with St. Cloud State University to develop  
12.12 quantitative data on septic system discharge  
12.13 of estrogenic and pharmaceutical compounds  
12.14 and assess septic and watershed influences  
12.15 on levels of contamination and biological  
12.16 responses in Minnesota lakes. The United  
12.17 States Geologic Survey is not subject to the  
12.18 requirements in Minnesota Statutes, section  
12.19 116P.10. This appropriation is available  
12.20 until June 30, 2013, by which time the  
12.21 project must be completed and final products  
12.22 delivered.

12.23 **(f) Evaluation of Dioxins in Minnesota Lakes**

12.24 \$264,000 is from the trust fund to the Board  
12.25 of Regents of the University of Minnesota  
12.26 to examine the concentration of dioxins in  
12.27 lake sediment and options to improve water  
12.28 quality in lakes.

12.29 **(g) Assessment of Shallow Lake Management**

12.30 \$262,000 is from the trust fund to the  
12.31 commissioner of natural resources to  
12.32 evaluate the major causes of deterioration  
12.33 of shallow lakes in Minnesota and evaluate  
12.34 results of current management efforts. This

13.1 appropriation is available until June 30,  
 13.2 2013, by which time the project must be  
 13.3 completed and final products delivered.

13.4 **(h) Assessing Cumulative Impacts of Shoreline**  
 13.5 **Development**

13.6 \$300,000 is from the trust fund to the Board  
 13.7 of Regents of the University of Minnesota to  
 13.8 evaluate near-shore, in-water habitat impacts  
 13.9 from shoreline development activities to  
 13.10 assist in the design and implementation of  
 13.11 management practices protecting critical  
 13.12 shorelands and aquatic habitat. This  
 13.13 appropriation is available until June 30,  
 13.14 2013, by which time the project must be  
 13.15 completed and final products delivered.

13.16 **(i) Predicting and Mitigating Vulnerability of**  
 13.17 **Trout Streams**

13.18 \$300,000 is from the trust fund to the  
 13.19 Board of Regents of the University of  
 13.20 Minnesota to assess cold water aquatic  
 13.21 insect abundance related to warming water  
 13.22 temperatures as predictors of trout growth in  
 13.23 southeastern Minnesota and assess options  
 13.24 to minimize stream temperature changes.  
 13.25 This appropriation is available until June  
 13.26 30, 2013, by which time the project must be  
 13.27 completed and final products delivered.

13.28 **Subd. 6. Aquatic and Terrestrial Invasive**  
 13.29 **Species** -0- 1,470,000

13.30 **(a) Biological Control of European Buckthorn**  
 13.31 **and Garlic Mustard**

13.32 \$300,000 is from the trust fund to the  
 13.33 commissioner of natural resources in  
 13.34 cooperation with the commissioner of  
 13.35 agriculture to continue the development  
 13.36 and implementation of biological control

- 14.1 for European buckthorn and garlic mustard.
- 14.2 This appropriation is available until June
- 14.3 30, 2013, by which time the project must be
- 14.4 completed and final products delivered.
- 14.5 **(b) Ecological and Hydrological Impacts of**
- 14.6 **Emerald Ash Borer**
- 14.7 \$636,000 is from the trust fund to the Board
- 14.8 of Regents of the University of Minnesota to
- 14.9 assess the potential impacts of emerald ash
- 14.10 borer on Minnesota's black ash forests and
- 14.11 quantify potential impacts on native forest
- 14.12 vegetation, invasive species spread, and
- 14.13 hydrology. This appropriation is available
- 14.14 until June 30, 2015, by which time the
- 14.15 project must be completed and final products
- 14.16 delivered.
- 14.17 **(c) Healthy Forests to Resist Invasion**
- 14.18 \$359,000 is from the trust fund to the Board
- 14.19 of Regents of the University of Minnesota to
- 14.20 assess the role of forest health management
- 14.21 in resisting infestation of invasive species.
- 14.22 This appropriation is available until June
- 14.23 30, 2013, by which time the project must be
- 14.24 completed and final products delivered.
- 14.25 **(d) Bioacoustic Traps for Management of**
- 14.26 **Round Goby**
- 14.27 \$175,000 is from the trust fund to the Board
- 14.28 of Regents of the University of Minnesota
- 14.29 to evaluate bioacoustic technology specific
- 14.30 to invasive round goby in Lake Superior as
- 14.31 a method for early detection and population
- 14.32 reduction. This appropriation is available
- 14.33 until June 30, 2013, by which time the
- 14.34 project must be completed and final products
- 14.35 delivered.

15.1 Subd. 7. **Renewable Energy** -0- 3,364,000

15.2 (a) **Algae for Fuels Pilot Project**

15.3 \$900,000 is from the trust fund to the Board  
15.4 of Regents of the University of Minnesota  
15.5 to demonstrate an innovative microalgae  
15.6 production system utilizing and treating  
15.7 sanitary wastewater to produce biofuels  
15.8 from algae. This appropriation is available  
15.9 until June 30, 2013, by which time the  
15.10 project must be completed and final products  
15.11 delivered.

15.12 (b) **Sustainable Biofuels: Impacts of Climate**  
15.13 **Change and Management**

15.14 \$221,000 is from the trust fund to the  
15.15 Board of Regents of the University of  
15.16 Minnesota to determine how climate change,  
15.17 fertilization, and irrigation impact yields of  
15.18 grass monoculture and high diversity prairie  
15.19 biofuel crops, their storage of soil carbon, and  
15.20 susceptibility to invasion by exotic species.  
15.21 This appropriation is available until June  
15.22 30, 2013, by which time the project must be  
15.23 completed and final products delivered.

15.24 (c) **Linking Habitat Restoration to Bioenergy**  
15.25 **and Local Economies**

15.26 \$600,000 is from the trust fund to the  
15.27 commissioner of natural resources to restore  
15.28 high quality native habitats and expand  
15.29 market opportunities for utilizing postharvest  
15.30 restoration as a bioenergy source. This  
15.31 appropriation is available until June 30,  
15.32 2013, by which time the project must be  
15.33 completed and final products delivered.

16.1 **(d) Demonstrating Sustainable Energy**  
 16.2 **Practices at Residential Environmental**  
 16.3 **Learning Centers (RELCs)**

16.4 \$1,500,000 is from the trust fund to  
 16.5 the commissioner of natural resources  
 16.6 for agreements as follows: \$206,000  
 16.7 with Audubon Center of the North  
 16.8 Woods; \$212,000 with Deep Portage  
 16.9 Learning Center; \$350,000 with Eagle  
 16.10 Bluff Environmental Learning Center;  
 16.11 \$258,000 with Laurentian Environmental  
 16.12 Learning Center; \$240,000 with Long  
 16.13 Lake Conservation Center; and \$234,000  
 16.14 with Wolf Ridge Environmental Learning  
 16.15 Center to implement renewable energy,  
 16.16 energy efficiency, and energy conservation  
 16.17 practices at the facilities. Efforts will include  
 16.18 dissemination of related energy education.

16.19 **(e) Life Cycle Analysis of Options for**  
 16.20 **Minnesota's Energy Needs**

16.21 \$143,000 is from the trust fund to the Board  
 16.22 of Regents of the University of Minnesota  
 16.23 for a life cycle analysis of low carbon energy  
 16.24 technologies available to implement in  
 16.25 Minnesota.

16.26 **Subd. 8. Environmental Education**

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2,640,000

16.27 **(a) Minnesota Conservation Apprenticeship**  
 16.28 **Academy**

16.29 \$368,000 is from the trust fund to the Board  
 16.30 of Water and Soil Resources in cooperation  
 16.31 with the Minnesota Conservation Corps  
 16.32 or its successor to train and mentor future  
 16.33 conservation professionals by providing  
 16.34 apprenticeship service opportunities to  
 16.35 soil and water conservation districts. This  
 16.36 appropriation is available until June 30,



17.1 2013, by which time the project must be  
17.2 completed and the final products delivered.

17.3 **(b) Engaging Students in Environmental**  
17.4 **Stewardship through Adventure Learning**

17.5 \$250,000 is from the trust fund to the  
17.6 commissioner of natural resources for an  
17.7 agreement with the Will Steger Foundation  
17.8 to provide curriculum, teacher training,  
17.9 online learning, and grants to schools  
17.10 on investigating the connection between  
17.11 Minnesota's changing climate and the  
17.12 impacts on ecosystems and natural resources.

17.13 This appropriation is available until June  
17.14 30, 2013, by which time the project must be  
17.15 completed and final products delivered.

17.16 **(c) Youth Connection to Nature Through**  
17.17 **Digital Photography**

17.18 \$160,000 is from the trust fund to the  
17.19 commissioner of natural resources to hold  
17.20 teacher training workshops on the use of  
17.21 digital photography as a tool for learning  
17.22 about nature. The equipment must be  
17.23 provided from other funds.

17.24 **(d) Urban Wilderness Youth Outdoor**  
17.25 **Education**

17.26 \$557,000 is from the trust fund to the  
17.27 commissioner of natural resources for  
17.28 an agreement with Wilderness Inquiry to  
17.29 provide an outdoor education and recreation  
17.30 program on the Mississippi River. This  
17.31 appropriation is available until June 30,  
17.32 2013, by which time the project must be  
17.33 completed and final products delivered.

17.34 **(e) Urban Woodland Como Regional Park**

18.1 \$218,000 is from the trust fund to the  
18.2 commissioner of natural resources for  
18.3 an agreement with the city of St. Paul,  
18.4 Department of Parks and Recreation, to  
18.5 restore and develop an outdoor classroom  
18.6 for ecological education and historical  
18.7 interpretation at Como Regional Park in  
18.8 St. Paul. This appropriation is available  
18.9 until June 30, 2013, by which time the  
18.10 project must be completed and final products  
18.11 delivered.

18.12 **(f) Expanding Outdoor Classrooms at**  
18.13 **Minnesota Schools**

18.14 \$300,000 is from the trust fund to the  
18.15 commissioner of natural resources to  
18.16 establish additional and enhance existing  
18.17 outdoor school forest and prairie classroom  
18.18 networks throughout Minnesota.

18.19 **(g) Integrating Environmental and Outdoor**  
18.20 **Education in Grades 7-12**

18.21 \$300,000 is from the trust fund to the  
18.22 commissioner of education in cooperation  
18.23 with the commissioner of natural resources  
18.24 to train and support grade 7-12 teachers  
18.25 to integrate environmental and outdoor  
18.26 education into the instruction of academic  
18.27 standards.

18.28 **(h) Project Get Outdoors**

18.29 \$15,000 is from the trust fund to the  
18.30 commissioner of natural resources for an  
18.31 agreement with Project Get Outdoors, Inc. to  
18.32 develop out of school programs connecting  
18.33 children to local nature experiences.

18.34 **(i) Fishing: Cross Cultural Gateway to**  
18.35 **Environmental Education**

19.1 \$155,000 is from the trust fund to the  
19.2 commissioner of natural resources for  
19.3 an agreement with the Association for  
19.4 the Advancement of Hmong Women  
19.5 in Minnesota to provide environmental  
19.6 information and teaching skills to and  
19.7 increase participation of Southeast Asian  
19.8 communities through the gateway of fishing  
19.9 skills. Information on mercury in fish  
19.10 advisories must be included as part of the  
19.11 educational outreach. This appropriation  
19.12 is available until June 30, 2013, by which  
19.13 time the project must be completed and final  
19.14 products delivered.

19.15 **(j) Minnesota WolfLink**

19.16 \$193,000 is from the trust fund to the  
19.17 commissioner of natural resources for an  
19.18 agreement with the International Wolf Center  
19.19 to develop interactive onsite and distance  
19.20 learning about wolves and their habitat.  
19.21 This appropriation is available until June  
19.22 30, 2013, by which time the project must be  
19.23 completed and final products delivered.

19.24 **(k) Online Field Trip of Minnesota River**

19.25 \$124,000 is from the trust fund to the  
19.26 commissioner of natural resources for an  
19.27 agreement with Minnesota State University  
19.28 - Mankato to develop online educational  
19.29 materials on the Minnesota River for schools  
19.30 and outreach centers.

19.31 **Subd. 9. Availability of Appropriations**

19.32 Money appropriated in this section may  
19.33 not be spent on activities unless they are  
19.34 directly related to the specific appropriation

20.1 and are specified in the approved work  
20.2 program. Money appropriated in this section  
20.3 must not be spent on indirect costs or other  
20.4 institutional overhead charges. Unless  
20.5 otherwise provided, the amounts in this  
20.6 section are available until June 30, 2012,  
20.7 when projects must be completed and final  
20.8 products delivered. For acquisition of real  
20.9 property, the amounts in this section are  
20.10 available until June 30, 2013, if a binding  
20.11 contract is entered into by June 30, 2012,  
20.12 and closed not later than June 30, 2013. If  
20.13 a project receives a federal grant, the time  
20.14 period of the appropriation is extended to  
20.15 equal the federal grant period.

20.16 **Subd. 10. Data Availability Requirements**

20.17 Data collected by the projects funded under  
20.18 this section must conform to guidelines and  
20.19 standards adopted by the Office of Enterprise  
20.20 Technology. Spatial data also must conform  
20.21 to additional guidelines and standards  
20.22 designed to support data coordination and  
20.23 distribution that have been published by the  
20.24 Minnesota Geospatial Information Office.

20.25 Descriptions of spatial data must be prepared  
20.26 as specified in the state's geographic metadata  
20.27 guideline and must be submitted to the  
20.28 Minnesota Geospatial Information Office.  
20.29 All data must be accessible and free to the  
20.30 public unless made private under the Data  
20.31 Practices Act, Minnesota Statutes, chapter  
20.32 13.

20.33 To the extent practicable, summary data and  
20.34 results of projects funded under this section  
20.35 should be readily accessible on the Internet

- 21.1 and identified as an environment and natural  
21.2 resources trust fund project.
- 21.3 **Subd. 11. Project Requirements**
- 21.4 (a) As a condition of accepting an  
21.5 appropriation under this section, any agency  
21.6 or entity receiving an appropriation must  
21.7 comply with paragraphs (b) to (h) and  
21.8 Minnesota Statutes, chapter 116P, for any  
21.9 project funded in whole or in part with funds  
21.10 from the appropriation.
- 21.11 (b) To the extent possible, a person  
21.12 conducting restoration with money  
21.13 appropriated under this section must plant  
21.14 vegetation only of ecotypes native to  
21.15 Minnesota and preferably of the local  
21.16 ecotype using a high diversity of species  
21.17 originating as close to the restoration site as  
21.18 possible and, when restoring prairies, protect  
21.19 existing prairies from genetic contamination.  
21.20 Use of seeds and plant materials beyond these  
21.21 requirements must be expressly approved in  
21.22 the work program.
- 21.23 (c) All conservation easements acquired with  
21.24 money appropriated under this section must:
- 21.25 (1) be perpetual;
- 21.26 (2) specify the parties to an easement in the  
21.27 easement;
- 21.28 (3) specify all of the provisions of an  
21.29 agreement that are perpetual;
- 21.30 (4) be sent to the office of the  
21.31 Legislative-Citizen Commission on  
21.32 Minnesota Resources in an electronic format;

- 22.1 (5) include a long-term stewardship plan and  
22.2 funding for monitoring and enforcing the  
22.3 easement agreement; and
- 22.4 (6) include requirements in the easement  
22.5 document to address specific water quality  
22.6 protection activities such as keeping water  
22.7 on the landscape, reducing nutrient and  
22.8 contaminate loading, protecting groundwater,  
22.9 and not permitting artificial hydrological  
22.10 modifications.
- 22.11 (d) For all restorations conducted with money  
22.12 appropriated under this section, a recipient  
22.13 must prepare an ecological restoration  
22.14 and management plan that, to the degree  
22.15 practicable, is consistent with the highest  
22.16 quality conservation and ecological goals for  
22.17 the restoration site. Consideration should  
22.18 be given to soil, geology, topography, and  
22.19 other relevant factors that would provide  
22.20 the best chance for long-term success of the  
22.21 restoration projects. The plan must include  
22.22 the proposed timetable for implementing  
22.23 the restoration, including site preparation,  
22.24 establishment of diverse plant species,  
22.25 maintenance, and additional enhancement to  
22.26 establish the restoration; identify long-term  
22.27 maintenance and management needs of  
22.28 the restoration and how the maintenance,  
22.29 management, and enhancement will be  
22.30 financed; and take advantage of the best  
22.31 available science and include innovative  
22.32 techniques to achieve the best restoration.
- 22.33 (e) For new lands acquired with money  
22.34 appropriated under this section, a recipient  
22.35 must prepare a restoration and management

23.1 plan in compliance with paragraph  
23.2 (d) including sufficient funding for  
23.3 implementation.

23.4 (f) For any acquisition of land or interest in  
23.5 land, a recipient of money appropriated under  
23.6 this section must give priority to high quality  
23.7 natural resources or conservation lands that  
23.8 provide natural buffers to water resources.

23.9 (g) To ensure public accountability for the  
23.10 use of public funds, a recipient of money  
23.11 appropriated under this section must provide  
23.12 to the Legislative-Citizen Commission on  
23.13 Minnesota Resources documentation of the  
23.14 selection process used to identify parcels  
23.15 acquired and provide documentation of all  
23.16 related transaction costs, including but not  
23.17 limited to appraisals, legal fees, recording  
23.18 fees, commissions, other similar costs,  
23.19 and donations. This information must be  
23.20 provided for all parties involved in the  
23.21 transaction. The recipient must also report  
23.22 to the Legislative-Citizen Commission on  
23.23 Minnesota Resources any difference between  
23.24 the acquisition amount paid to the seller  
23.25 and the state-certified or state-reviewed  
23.26 appraisal, if a state-certified or state-reviewed  
23.27 appraisal was conducted. Acquisition data  
23.28 such as appraisals may remain private  
23.29 during negotiations but must ultimately  
23.30 be made public according to Minnesota  
23.31 Statutes, chapter 13. The Legislative-Citizen  
23.32 Commission on Minnesota Resources shall  
23.33 review the requirement in this paragraph  
23.34 and provide a recommendation whether  
23.35 to continue or modify the requirement in  
23.36 future years. The commission may waive

24.1 the application of this paragraph for specific  
24.2 projects.

24.3 (h) A recipient of money from an  
24.4 appropriation under this section must  
24.5 give consideration to contracting with  
24.6 the Minnesota Conservation Corps or  
24.7 its successor for contract restoration and  
24.8 enhancement services.

24.9 **Subd. 12. Payment Conditions and Capital**  
24.10 **Equipment Expenditures**

24.11 All agreements, grants, or contracts referred  
24.12 to in this section must be administered on  
24.13 a reimbursement basis unless otherwise  
24.14 provided in this section. Notwithstanding  
24.15 Minnesota Statutes, section 16A.41,  
24.16 expenditures made on or after July 1,  
24.17 2010, or the date the work program is  
24.18 approved, whichever is later, are eligible for  
24.19 reimbursement unless otherwise provided  
24.20 in this section. Periodic payment must  
24.21 be made upon receiving documentation  
24.22 that the deliverable items articulated in  
24.23 the approved work program have been  
24.24 achieved, including partial achievements  
24.25 as evidenced by approved progress reports.  
24.26 Reasonable amounts may be advanced to  
24.27 projects to accommodate cash flow needs or  
24.28 match federal money. The advances must  
24.29 be approved as part of the work program.  
24.30 No expenditures for capital equipment are  
24.31 allowed unless expressly authorized in the  
24.32 project work program.

24.33 **Subd. 13. Purchase of Recycled and Recyclable**  
24.34 **Materials**

24.35 A political subdivision, public or private  
24.36 corporation, or other entity that receives an



25.1 appropriation under this section must use the  
25.2 appropriation in compliance with Minnesota  
25.3 Statutes, sections 16B.121, regarding  
25.4 purchase of recycled, repairable, and durable  
25.5 materials; and 16B.122, regarding purchase  
25.6 and use of paper stock and printing.

25.7 **Subd. 14. Energy Conservation and**  
25.8 **Sustainable Building Guidelines**

25.9 A recipient to whom an appropriation is made  
25.10 under this section for a capital improvement  
25.11 project must ensure that the project complies  
25.12 with the applicable energy conservation and  
25.13 sustainable building guidelines and standards  
25.14 contained in law, including Minnesota  
25.15 Statutes, sections 16B.325, 216C.19, and  
25.16 216C.20, and rules adopted under those  
25.17 sections. The recipient may use the energy  
25.18 planning, advocacy, and State Energy Office  
25.19 units of the Department of Commerce to  
25.20 obtain information and technical assistance  
25.21 on energy conservation and alternative  
25.22 energy development relating to the planning  
25.23 and construction of the capital improvement  
25.24 project.

25.25 **Subd. 15. Accessibility**

25.26 Structural and nonstructural facilities must  
25.27 meet the design standards in the Americans  
25.28 with Disabilities Act (ADA) accessibility  
25.29 guidelines.

25.30 **Subd. 16. Carryforward**

25.31 The availability of the appropriation for  
25.32 the following projects is extended to  
25.33 June 30, 2011: Laws 2009, chapter 143,  
25.34 section 2, subdivision 4, paragraph (j),  
25.35 Land and Water Conservation Account

- 26.1 (LAWCON) Federal Reimbursements;  
26.2 subdivision 5, paragraph (b), Vulnerability  
26.3 of Fish Populations in Lakes to Endocrine  
26.4 Disrupting Contaminants; and subdivision 6,  
26.5 paragraph (b), Emergency Delivery System  
26.6 Development for Disinfecting Ballast Water.