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HOUSE FILE NO. 2624

FIRST COMMITTEE ENGROSSMENT

February 4, 2010

Authored by Wagenius, Carlson and Howes

The bill was read for the first time and referred to the Committee on Finance

Referred by Chair to Environment and Natural Resources Finance Division.

February 11 2010

Returned to the Committee on Finance as Amended.

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

1.21 Appropriations by Fund

	<u>2010</u>	<u>2011</u>
1.23 <u>Environment and</u>		
1.24 <u>natural resources</u>		
1.25 <u>trust fund</u>	<u>418,000</u>	<u>25,611,000</u>

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 \$550,00 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** -0- 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	<u>Subd. 7. Renewable Energy</u>	<u>-0-</u>	<u>3,364,000</u>
15.2	<u>(a) Algae for Fuels Pilot Project</u>		
15.3	<u>\$900,000 is from the trust fund to the Board</u>		
15.4	<u>of Regents of the University of Minnesota</u>		
15.5	<u>to demonstrate an innovative microalgae</u>		
15.6	<u>production system utilizing and treating</u>		
15.7	<u>sanitary wastewater to produce biofuels</u>		
15.8	<u>from algae. This appropriation is available</u>		
15.9	<u>until June 30, 2013, by which time the</u>		
15.10	<u>project must be completed and final products</u>		
15.11	<u>delivered.</u>		
15.12	<u>(b) Sustainable Biofuels: Impacts of Climate</u>		
15.13	<u>Change and Management</u>		
15.14	<u>\$221,000 is from the trust fund to the</u>		
15.15	<u>Board of Regents of the University of</u>		
15.16	<u>Minnesota to determine how climate change,</u>		
15.17	<u>fertilization, and irrigation impact yields of</u>		
15.18	<u>grass monoculture and high diversity prairie</u>		
15.19	<u>biofuel crops, their storage of soil carbon, and</u>		
15.20	<u>susceptibility to invasion by exotic species.</u>		
15.21	<u>This appropriation is available until June</u>		
15.22	<u>30, 2013, by which time the project must be</u>		
15.23	<u>completed and final products delivered.</u>		
15.24	<u>(c) Linking Habitat Restoration to Bioenergy</u>		
15.25	<u>and Local Economies</u>		
15.26	<u>\$600,000 is from the trust fund to the</u>		
15.27	<u>commissioner of natural resources to restore</u>		
15.28	<u>high quality native habitats and expand</u>		
15.29	<u>market opportunities for utilizing postharvest</u>		
15.30	<u>restoration as a bioenergy source. This</u>		
15.31	<u>appropriation is available until June 30,</u>		
15.32	<u>2013, by which time the project must be</u>		
15.33	<u>completed and final products delivered.</u>		

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** -0- 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 Conservation Corps Minnesota
 16.32 to train and mentor future conservation
 16.33 professionals by providing apprenticeship
 16.34 service opportunities to soil and water
 16.35 conservation districts. This appropriation is
 16.36 available until June 30, 2013, by which time

17.1 the project must be completed and the final
17.2 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 academic standards.

18.27 **(h) Project Get Outdoors**

18.28 \$15,000 is from the trust fund to the
18.29 commissioner of natural resources for an
18.30 agreement with Project Get Outdoors, Inc. to
18.31 develop out of school programs connecting
18.32 children to local nature experiences.

18.33 **(i) Fishing: Cross Cultural Gateway to**
18.34 **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 the
24.6 Conservation Corps Minnesota for contract
24.7 restoration and enhancement services.

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

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

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

24.34 A political subdivision, public or private
24.35 corporation, or other entity that receives an
24.36 appropriation under this section must use the

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

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

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

25.24 **Subd. 15. Accessibility**

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

25.29 **Subd. 16. Carryforward**

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

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