

2009 PROJECTS

MN Laws 2009, Chapter 143, Section 2 (beginning July 1, 2009)

NOTE: For all projects, contact us to obtain the most up-to-date work programs for current projects (project updates are required twice each year) or the final reports of completed projects.

The following documents are short abstracts for projects funded during the 2009 Legislative Session. The final date of completion for these projects is listed at the end of the abstract. When available, we have provided links to a project's web site. The sites linked to this page are not created, maintained, or endorsed by the LCCMR office or the Minnesota Legislature.

Subd. 3 Natural Resource Data and Information

Subd. 4 Land, Habitat, and Recreation

Subd. 5 Water Resources

Subd. 6 Aquatic and Terrestrial Invasive Species

Subd. 7 Energy

Subd. 8 Administration and Other

Subd. 3 Natural Resource Data and Information

- 3a Minnesota County Biological Survey
- 3b County Geologic Atlas and South-Central Minnesota Groundwater
- 3c Soil Survey
- 3d Springshed Mapping for Trout Stream Management
- 3e Restorable Wetlands Inventory

Subd. 4 Land, Habitat, and Recreation

- 4a State Parks Acquisition
- 4b State Trail Acquisition
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- 4d Statewide Scientific and Natural Area Acquisition and Restoration
- 4e Minnesota's Habitat Conservation Partnership (HCP) - Phase VI
- 4f Metro Conservation Corridors (MeCC) - Phase V
- 4g Statewide Ecological Ranking of Conservation Reserve Program (CRP) and Other Critical Lands
- 4h Protection of Granite Rock Outcrop Ecosystem
- 4i MN Farm Bill Assistance Project
- 4j Land and Water Conservation Account (LAWCON) Federal Reimbursement

Subd. 5 Water Resources

- 5a ~~Removal of Endocrine Disruptors: Treatment and Education~~ - **RESEARCH - GOVERNOR VETO**
- 5b Vulnerability of Fish Populations in Lakes to Endocrine Disrupting Contaminants - **RESEARCH**
- 5c Cooperative Habitat Research in Deep Lakes - **RESEARCH**
- 5d Intensified Tile Drainage Evaluation - **RESEARCH**
- 5e Citizen-Based Stormwater Management
- 5f Minnesota Drainage Law Analysis and Evaluation

Subd. 6 Aquatic and Terrestrial Invasive Species

- 6a Ballast Water Sampling Method Development and Treatment Technology - **RESEARCH**
- 6b Emergency Delivery System Development for Disinfecting Ballast Water - **RESEARCH**
- 6c Improving Emerging Fish Disease Surveillance in Minnesota - **RESEARCH**
- 6d Controlling the Movement of Invasive Fish Species
- 6e Prevention and Early Detection of Invasive Earthworms
- 6f ~~WITHDRAWN - Native Plant Biodiversity, Invasive Plant Species, and Invertebrates~~

Subd. 7 Energy

- 7a ~~Options to De-carbonize Minnesota's Electrical Power System~~ - **GOVERNOR VETO**
- 7b Projecting Environmental Trajectories for Energy-Water-Habitat Planning
- 7c Energy Efficient Cities

Subd. 8 Administration and Other

- 8a Contract Management

8b Legislative-Citizen Commission on Minnesota Resources (LCCMR)

Funding Sources: (**note: all projects are TF, unless otherwise noted)
Environment and Natural Resources Trust Fund (TF)
Great Lakes Protection Account (GLPA)
State Land and Water Conservation Account (LAWCON)

Subd. 3 Natural Resource Data and Information

Minnesota County Biological Survey

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Subd. 3a \$2,100,000

Carmen Converse

DNR
500 Lafayette Rd
St. Paul, MN 55155

Phone: (651) 259-5083

Email: carmen.converse@dnr.state.mn.us

Fax: (651) 296-1811

Web: <http://www.dnr.state.mn.us/eco/mcbs/index.html>

\$2,100,000 is from the trust fund to the commissioner of natural resources for continuation of the Minnesota county biological survey to provide a foundation for conserving biological diversity by systematically collecting, interpreting, and delivering data on plant and animal distribution and ecology, native plant communities, and functional landscapes.

Project due to be completed: 6/30/2011

Work Program

County Geologic Atlas and South-Central Minnesota Groundwater

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Subd. 3b \$2,695,000

Part 1: County Geologic Atlas and South-Central Minnesota Groundwater (\$820,000)

Dale Setterholm

Minnesota Geological Survey
2642 University Ave. W.
St. Paul, MN 55114-1057

Phone: (612) 627-4780 x223

Email: sette001@umn.edu

Fax: (612) 627-4778

Web: <http://www.geo.umn.edu/mgs>

Part 2: County Geologic Atlas and South-Central Minnesota Groundwater (\$1,875,000)

Jim Berg

DNR
500 Lafayette Road
Saint Paul, MN 55155

Phone: (651) 259-5680

Email: jim.berg@dnr.state.mn.us

Fax: (651) 296-0445

Web: <http://www.dnr.state.mn.us/waters/index.html>

\$2,695,000 is from the trust fund for collection and interpretation of subsurface geological information and acceleration of the county geologic atlas program. \$820,000 of this appropriation is to the Board of Regents of the University of Minnesota for the geological survey to continue and to initiate the production of county geologic atlases. \$1,875,000 of this appropriation is to the commissioner of natural resources to investigate the physical and recharge characteristics of the Mt. Simon aquifer.

This appropriation represents a continuing effort to complete the county geologic atlases throughout the state. This

appropriation is available until June 30, 2012, at which time the project must be completed and final products delivered, unless an earlier date is specified in the work program.

Project due to be completed: 6/30/2012

Work Program - Dale Setterholm

Work Program - Jim Berg

Soil Survey

Subd. 3c \$400,000

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Megan Lennon

BWSR

520 Lafayette Road N

Saint Paul, MN 55155

Phone: (651) 296-1285

Email: megan.lennon@state.mn.us

Fax: (651) 297-5615

Web: <http://www.bwsr.state.mn.us>

\$400,000 is from the trust fund to the Board of Water and Soil Resources to accelerate the county soil survey mapping and Web-based data delivery. This appropriation represents a continuing effort to complete the mapping. The soil surveys must be done on a cost-share basis with local and federal funds.

Project due to be completed: 6/30/2011

Work Program

Springshed Mapping for Trout Stream Management

Subd. 3d \$500,000

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Part 1: Springshed Mapping for Trout Stream Management (\$250,000)

E. Calvin Alexander, Jr.

U of M

310 Pillsbury Dr. Se

Minneapolis, MN 55455

Phone: (612) 624-3517

Email: alexa001@umn.edu

Fax: (612) 625-3819

Part 2: Springshed Mapping for Trout Stream Management (\$250,000)

Jeff Green

DNR

2300 Silver Creek Rd NE

Rochester, MN 55906

Phone: (507) 206-2853

Email: jeff.green@dnr.state.mn.us

Fax: (507) 285-7144

\$500,000 is from the trust fund to continue to identify and delineate supply areas and springsheds for springs serving as coldwater sources for trout streams and to assess the impacts from development and water appropriations. Of this appropriation, \$250,000 is to the Board of Regents of the University of Minnesota and \$250,000 is to the commissioner of natural resources.

Project due to be completed: 6/30/2011

Work Program - E. Calvin Alexander, Jr.

Work Program - Jeff Green

Restorable Wetlands Inventory

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Subd. 3e \$300,000

Darin Blunck

Ducks Unlimited, Inc.
2525 River Road
Bismarck, ND 58503

Phone: (701) 355-3500

Email: dblunck@ducks.org

Web: <http://www.ducks.org>

\$300,000 is from the trust fund to the commissioner of natural resources for an agreement with Ducks Unlimited, Inc., to complete the inventory, mapping, and digitizing of drained restorable wetlands in Minnesota. This appropriation is available until June 30, 2012, at which time the project must be completed and final products delivered, unless an earlier date is specified in the work program.

Project due to be completed: 6/30/2012

Work Program

Subd. 4 Land, Habitat, and Recreation

State Parks Acquisition

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Subd. 4a \$590,000

Larry Peterson

DNR
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St. Paul, MN 55155

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Fax: (651) 296-6532

Web: <http://www.dnr.state.mn.us>

\$590,000 is from the trust fund to the commissioner of natural resources to acquire in-holdings for state parks. Land acquired with this appropriation must be sufficiently improved to meet at least minimum management standards as determined by the commissioner of natural resources. A list of proposed acquisitions must be provided as part of the required work program.

Project due to be completed: 6/30/2011

Work Program

State Trail Acquisition

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Subd. 4b \$1,000,000

Stan Linnell

DNR
500 Lafayette Road, Box 52
St. Paul, MN 55155

Phone: (651) 259-5626

Email: stan.linnell@dnr.state.mn.us

Fax: (651) 297-5475

Web: <http://www.dnr.state.mn.us>

\$1,000,000 is from the trust fund to the commissioner of natural resources to assist in the acquisition of the Brown's Creek Segment of the Willard Munger Trail in Washington County and Paul Bunyan State Trail in the city of Bemidji.

Project due to be completed: 6/30/2011

Work Program

[Back to top of page](#)**Metropolitan Regional Park System Acquisition**

Subd. 4c \$1,290,000

Arne Stefferud

Metropolitan Council
390 Robert Street North
St. Paul, MN 55101

Phone: (651) 602-1360**Email:** arne.stefferud@metc.state.mn.us**Fax:** (651) 602-1674**Web:** <http://www.metrocouncil.org/parks/index.htm>

\$1,290,000 is from the trust fund to the Metropolitan Council for subgrants for the acquisition of lands within the approved park unit boundaries of the metropolitan regional park system. This appropriation may not be used for the purchase of residential structures. A list of proposed fee title and easement acquisitions must be provided as part of the required work program. All funding for conservation easements must include a long-term stewardship plan and funding for monitoring and enforcing the agreement. This appropriation must be matched by at least 40 percent of nonstate money and must be committed by December 31, 2009, or the appropriation cancels. This appropriation is available until June 30, 2012, at which time the project must be completed and final products delivered, unless an earlier date is specified in the work program.

Project due to be completed: 6/30/2012

Work Program

Statewide Scientific and Natural Area Acquisition and Restoration[Back to top of page](#)

Subd. 4d \$590,000

Peggy Booth

DNR
500 Lafayette Rd, Box 25
St Paul, MN 55155

Phone: (651) 259-5088**Email:** peggy.booth@dnr.state.mn.us**Fax:** (651) 296-1811**Web:** <http://www.dnr.state.mn.us/snas/index.html>

\$590,000 is from the trust fund to the commissioner of natural resources to acquire high quality native plant communities and rare features and restore parts of scientific and natural areas as provided in Minnesota Statutes, section 86A.05, subdivision 5. A list of proposed acquisitions must be provided as part of the required work program.

Project due to be completed: 6/30/2011

Work Program

Minnesota's Habitat Conservation Partnership (HCP) - Phase VI[Back to top of page](#)

Subd. 4e \$3,375,000

Matt Holland

Pheasants Forever, Inc.
679 West River Drive
New London, MN 56273

Phone: (320) 354-4377**Email:** mholland@pheasantsforever.org**Fax:** (320) 354-4377**Web:** <http://www.mnhabitatcorridors.org>

\$3,375,000 is from the trust fund to the commissioner of natural resources for the sixth appropriation for acceleration of agency programs and cooperative agreements. Of this appropriation, \$770,000 is for the Department of Natural Resources agency programs and \$2,605,000 is for agreements as follows: \$450,000 with Pheasants Forever; \$50,000 with Minnesota Deer Hunters Association; \$895,000 with Ducks Unlimited, Inc.; \$85,000 with National Wild Turkey Federation; \$365,000

with the Nature Conservancy; \$210,000 with Minnesota Land Trust; \$350,000 with the Trust for Public Land; \$100,000 with Minnesota Valley National Wildlife Refuge Trust, Inc.; \$50,000 with the United States Fish and Wildlife Service; and \$50,000 with Friends of Detroit Lakes Watershed Management District to plan, restore, and acquire fragmented landscape corridors that connect areas of quality habitat to sustain fish, wildlife, and plants. The United States Department of Agriculture-Natural Resources Conservation Service is a cooperating partner in the appropriation. Expenditures are limited to the project corridor areas as defined in the work program. Land acquired with this appropriation must be sufficiently improved to meet at least minimum habitat and facility management standards as determined by the commissioner of natural resources. This appropriation may not be used for the purchase of residential structures, unless expressly approved in the work program. All conservation easements must be perpetual and have a natural resource management plan. Any land acquired in fee title by the commissioner of natural resources with money from this appropriation must be designated as an outdoor recreation unit under Minnesota Statutes, section 86A.07. The commissioner may similarly designate any lands acquired in less than fee title. A list of proposed restorations and fee title and easement acquisitions must be provided as part of the required work program. All funding for conservation easements must include a long-term stewardship plan and funding for monitoring and enforcing the agreement. To the maximum extent practical, consistent with contractual easement or fee acquisition obligations, the recipients shall utilize staff resources to identify future projects and shall maximize the implementation of biodiverse, quality restoration projects in the project proposal into the first half of the 2010 fiscal year.

- 1a Project Coordination, Mapping & Data Management
- 2a Melvin Slough Landscape Restoration
- 2b Partners for Fish and Wildlife
- 2c Shallow Lake Enhancement
- 2d Shallow Lake Assessment & Management
- 2g Wildlife Areas Management
- 2h Fisheries Habitat Restoration
- 2i Bluffland Restoration/Set Out Seedlings
- 2j Lakescaping for Wildlife & Water Quality
- 2k Prairie Management
- 2n/4f Campaign for Conservation - Acquisition and Restoration
- 2o Prairie landscape Restoration: Oak Savanna, Grasslands, and Wetlands
- 3a Shoreland Protection Project - Conservation Easements
- 3c Shallow Lake Easements
- 3d Wetlands Reserve Program
- 4a Critical Lands Conservation Initiative - Acquisition
- 4b Fisheries Land Acquisition
- 4c Critical Lands Protection Program - Acquisition
- 4h Acquisition for Minnesota Valley Wetland Management District
- 4i Professional Services

Project due to be completed: 6/30/2011

Work Program

Metro Conservation Corridors (MeCC) - Phase V

Subd. 4f \$3,375,000

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Wayne Sames

DNR

500 Lafayette Rd

St. Paul, MN 55155

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Fax: (651) 296-6047

\$3,375,000 is from the trust fund to the commissioner of natural resources for the fifth appropriation for acceleration of agency programs and cooperative agreements. Of this appropriation, \$2,185,000 is for Department of Natural Resources agency programs and \$1,190,000 is for agreements as follows: \$380,000 with the Trust for Public Land; \$90,000 with Friends of the Mississippi River; \$155,000 with Great River Greening; \$250,000 with Minnesota Land Trust; \$225,000 with Minnesota Valley National Wildlife Refuge Trust, Inc.; and \$90,000 with Friends of the Minnesota Valley for the purposes of planning, restoring, and protecting important natural areas in the metropolitan area, as defined under Minnesota Statutes, section 473.121, subdivision 2, and portions of the surrounding counties, through grants, contracted services, technical assistance, conservation easements, and fee title acquisition. Land acquired with this appropriation must be sufficiently improved to meet at least minimum management standards as determined by the commissioner of natural resources. Expenditures are limited to the identified project corridor areas as defined in the work program. This appropriation may not be used for the purchase of residential structures, unless expressly approved in the work program. All conservation

easements must be perpetual and have a natural resource management plan. Any land acquired in fee title by the commissioner of natural resources with money from this appropriation must be designated as an outdoor recreation unit under Minnesota Statutes, section 86A.07. The commissioner may similarly designate any lands acquired in less than fee title. A list of proposed restorations and fee title and easement acquisitions must be provided as part of the required work program. All funding for conservation easements must include a long-term stewardship plan and funding for monitoring and enforcing the agreement. To the maximum extent practical, consistent with contractual easement or fee acquisition obligations, the recipients shall utilize staff resources to identify future projects and shall maximize the implementation of biodiverse, quality restoration projects in the project proposal into the first half of the 2010 fiscal year.

- 1.1 Mapping and Coordination
- 2.3 Restore & Enhance Significant Watershed Habitat
- 2.4 Lower Minnesota River Watershed Restoration & Enhancement
- 2.5 Restore & Enhance Significant Habitat
- 2.6/3.4/4.1 Grants for Restoration, Acquisition, Easements, and Other Conservation Tools
- 2.7/3.6 Metro SNA Acquisition, Restoration & Enhancement
- 2.9 Stream Habitat Restoration
- 3.1 Critical Land Protection Program
- 3.2 Protect Significant Habitat by Acquiring Conservation Easements
- 3.3 Fee Acquisition for Minnesota Valley NWR
- 3.5 Fish & Wildlife Land Acquisition

Project due to be completed: 6/30/2011
Work Program

Statewide Ecological Ranking of Conservation Reserve Program (CRP) and Other Critical Lands
Subd. 4g \$107,000

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Greg Larson
BWSR
520 Lafayette Road N
Saint Paul, MN 55155

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Fax: (651) 297-5615
Web: <http://www.bwsr.state.mn.us>

\$107,000 is from the trust fund to the Board of Water and Soil Resources to continue the efforts funded by the emerging issues account allocation to identify and rank the ecological value of conservation reserve program (CRP) and other critical lands throughout Minnesota using a multiple parameter approach including soil productivity, landscape, water, and wildlife factors.

Project due to be completed: 6/30/2011
Work Program

Protection of Granite Rock Outcrop Ecosystem
Subd. 4h \$1,500,000

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Thomas Kalahar
Renville Soil and Water Conservation District
1008 West Lincoln
Olivia, MN 56277

Phone: (320) 523-1559
Email: kalahar@yahoo.com
Fax: (320) 523-2389
Web: <http://www.renvillewcd.com>

\$1,500,000 is from the trust fund to the Board of Water and Soil Resources, in cooperation with the Renville Soil and Water Conservation District, to acquire perpetual easements of unique granite rock outcrops located in the Upper Minnesota River Valley and to restore their ecological integrity.

Project due to be completed: 6/30/2011
Work Program

MN Farm Bill Assistance Project
Subd. 4i \$1,000,000

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Tabor Hoek
Board of Water and Soil Resources (BWSR)
520 Lafayette Rd N
St. Paul, MN 55155

Phone: (507) 537-7260
Email: tabor.hoek@state.mn.us
Fax: (507) 537-6368
Web: <http://www.bwsr.state.mn.us>

\$1,000,000 is from the trust fund to the Board of Water and Soil Resources to provide funding for technical staff to assist in the implementation provisions of conservation programs including the federal farm bill conservation programs. Documentation must be provided on the number of landowner contacts, program participation, federal dollars leveraged, quantifiable criteria, and measurement of the improvements to water quality and habitat.

Project due to be completed: 6/30/2011
Work Program

Land and Water Conservation Account (LAWCON) Federal Reimbursement
Subd. 4j \$400,000 (LAWCON)

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DNR
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St. Paul, MN 55155

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Fax: (651) 296-6047

\$400,000 is from the state land and water conservation account (LAWCON) in the natural resources fund to the commissioner of natural resources for priorities established by the commissioner for eligible state projects and administrative and planning activities consistent with Minnesota Statutes, section 116P.14, and the federal Land and Water Conservation Fund Act.

Project due to be completed: 6/30/2011
Work Program

Subd. 5 Water Resources

GOVERNOR VETO
~~**Removal of Endocrine Disruptors: Treatment and Education**~~
Subd. 5a—\$275,000

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Paige Novak
U of M
122 Civil Engineering Building, 500 Pillsbury Drive SE
Minneapolis, MN 55455

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Fax: (612) 626-7750
Web: <http://www.ce.umn.edu/people/faculty/novak/>

RESEARCH

\$275,000 is from the trust fund to the Board of Regents at the University of Minnesota to continue research on the removal of endocrine disruptors from Minnesota's waters through strategies of enhancing treatment at wastewater treatment plants and decreasing the use of the compounds. This appropriation is available until June 30, 2012, at which time the project must be completed and final products delivered, unless an earlier date is specified in the work program.

Project due to be completed: 6/30/2012

Work Program

Vulnerability of Fish Populations in Lakes to Endocrine Disrupting Contaminants[Back to top of page](#)

Subd. 5b \$297,000

Richard Kiesling

USGS

2280 Woodale Dr

Mounds View, MN 55112

Phone: (763) 783-3131

Email: kiesling@usgs.gov

Fax: (763) 783-3103

Web: <http://mn.water.usgs.gov/index.html>

RESEARCH

\$297,000 is from the trust fund to the commissioner of natural resources for an agreement with the United States Geologic Survey and St. Cloud State University to develop quantitative data on juvenile and adult fish vulnerability to endocrine-active emerging contaminants found in Minnesota lakes. This appropriation is available until June 30, 2012, at which time the project must be completed and final products delivered, unless an earlier date is specified in the work program.

Project due to be completed: 6/30/2012

Work Program

Cooperative Habitat Research in Deep Lakes[Back to top of page](#)

Subd. 5c \$825,000

Donald Pereira

DNR

500 Lafayette Rd

St. Paul, MN 55155-4040

Phone: (651) 259-5231

Email: don.pereira@dnr.state.mn.us

Fax: (651) 297-4916

RESEARCH

\$825,000 is from the trust fund to the commissioner of natural resources to assess the consequences of large ecological drivers of change on water quality and habitat dynamics of deep water lakes with coldwater fish populations. This appropriation is available until June 30, 2012, at which time the project must be completed and final products delivered, unless an earlier date is specified in the work program.

Project due to be completed: 6/30/2012

Work Program

Intensified Tile Drainage Evaluation[Back to top of page](#)

Subd. 5d \$300,000

Shawn Schottler

Science Museum of Minnesota

16910 152nd Street N
Marine on St. Croix, MN 55047

Phone: (651) 433-5953 x18
Email: schottler@smm.org
Fax: (651) 433-5924

RESEARCH

\$300,000 is from the trust fund to the Science Museum of Minnesota for the St. Croix watershed research station to conduct a comparative assessment of hydrologic changes in watersheds with and without intensive tile drainage to determine the effects of climate and tile drainage on river erosion. This appropriation is available until June 30, 2012, at which time the project must be completed and final products delivered, unless an earlier date is specified in the work program.

Project due to be completed: 6/30/2012
Work Program

Citizen-Based Stormwater Management

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Subd. 5e \$279,000

Becky Rice

Metro Blooms
PO Box 17099
Minneapolis, MN 55417

Phone: (651) 699-2426
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Web: <http://www.metroblooms.org>

\$279,000 is from the trust fund to the commissioner of natural resources for an agreement with Metro Blooms, in cooperation with Minnehaha Creek Watershed District and the city of Minneapolis, to install and evaluate the effectiveness of rain gardens on improving the impaired water of Powderhorn Lake in Minneapolis. This appropriation is available until June 30, 2012, at which time the project must be completed and final products delivered, unless an earlier date is specified in the work program.

Project due to be completed: 6/30/2012
Work Program

Minnesota Drainage Law Analysis and Evaluation

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Subd. 5f \$87,000

Louis Smith

Smith Partners PLLP
400 Second Ave S, Suite 1200
Minneapolis, MN 55401

Phone: (612) 344-1400
Email: smith@smithpartners.com
Fax: (612) 344-1550
Web: <http://www.smithpartners.com>; <http://www.waterlaws.com>

\$87,000 is from the trust fund to the commissioner of natural resources for an agreement with Smith Partners PLLP to identify and analyze legal and policy issues where the drainage code conflicts with other laws impacting protection of public waters and wetlands.

Project due to be completed: 6/30/2011
Work Program

Subd. 6 Aquatic and Terrestrial Invaasive Species

Ballast Water Sampling Method Development and Treatment Technology[Back to top of page](#)

Subd. 6a \$366,000 (\$300,000 TF / \$66,000 GLPA)

Mary Jean FenskeMPCA
520 Lafayette Rd N
St. Paul, MN 55155**Phone:** (651) 297-5472**Email:** maryjean.fenske@state.mn.us**Fax:** (651) 296-8717**RESEARCH**

\$300,000 is from the trust fund and \$66,000 is from the Great Lakes protection account to the commissioner of the Pollution Control Agency in cooperation with the Department of Natural Resources to conduct monitoring for aquatic invasive species in ballast water discharges to Minnesota waters of Lake Superior and to test the effectiveness of ballast water treatment systems.

Project due to be completed: 6/30/2011

Work Program

Emergency Delivery System Development for Disinfecting Ballast Water[Back to top of page](#)

Subd. 6b \$125,000

Scott SmithUSGS
6505 - 65th Street NE
Seattle, WA 98115**Phone:** (206) 427-8374**Email:** sssmith@usgs.gov**Fax:** (206) 526-6654**RESEARCH**

\$125,000 is from the trust fund to the commissioner of the Pollution Control Agency for an agreement with the United States Geologic Survey to test the viability of treating ballast water through tank access ports or air vents as a means to prevent the spread of invasive species.

Project due to be completed: 6/30/2011

Work Program

Improving Emerging Fish Disease Surveillance in Minnesota[Back to top of page](#)

Subd. 6c \$80,000

Katharine PelicanU of M
1333 Gortner Avenue
St. Paul, MN 55108**Phone:** (612) 625-8561**Email:** pelicank@umn.edu**Fax:** (612) 624-4906**Web:** <http://www.vdl.umn.edu>**RESEARCH**

\$80,000 is from the trust fund to the Board of Regents of the University of Minnesota to assess mechanisms and control of the transmission of Heterosporosis, an emerging fish disease in Minnesota, to assist in future management decisions and research.

Project due to be completed: 6/30/2011

Work Program

Controlling the Movement of Invasive Fish Species

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Subd. 6d \$300,000

Vaughan Voller

U of M

2 Third Ave SE

Minneapolis, MN 55414

Phone: (612) 625-0764

Email: volle001@umn.edu

Web: <http://www.safl.umn.edu>

\$300,000 is from the trust fund to the Board of Regents of the University of Minnesota to develop and test sonic barriers that could be effective in preventing and controlling the movement of invasive carp in Minnesota's waterways. This appropriation is available until June 30, 2012, at which time the project must be completed and final products delivered, unless an earlier date is specified in the work program.

Project due to be completed: 6/30/2012

Work Program

Prevention and Early Detection of Invasive Earthworms

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Subd. 6e \$150,000

Cindy Hale

U of M, NRRRI

5013 Miller Trunk Hwy

Duluth, MN 55811-1442

Phone: (218) 720-4364

Email: cmhale@d.umn.edu

\$150,000 is from the trust fund to the Board of Regents of the University of Minnesota Natural Resources Research Institute for a risk assessment of the methods of spreading, testing of management recommendations, and identification of key areas for action in the state to reduce the impacts of invasive earthworms on hardwood forest productivity. This appropriation is available until June 30, 2012, at which time the project must be completed and final products delivered, unless an earlier date is specified in the work program.

Project due to be completed: 6/30/2012

Work Program

WITHDRAWN - Native Plant Biodiversity, Invasive Plant Species, and Invertebrates

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Subd. 6f \$47,000

Greg Hoch

Concordia College

901 8th Street S

Moorhead, MN 56562

Phone: (218) 299-3799

Email: hoch@cord.edu

Fax: (218) 299-3804

\$47,000 is from the trust fund to the commissioner of natural resources for an agreement with Concordia College to survey plant, pollinator, and invertebrate biodiversity in native and restored prairies to assess impacts on invasive species and food sources for grassland birds and ecosystem services.

~~Project due to be completed: 6/30/2011~~
~~Work Program~~

Subd. 7 Energy

GOVERNOR VETO

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~~Options to De-carbonize Minnesota's Electrical Power System~~
~~Subd. 7a \$143,000~~

~~Melisa Pollak~~

~~U of M
154 Hubert H. Humphrey Center 301 19th Ave. S.
Minneapolis, MN 55455~~

~~Phone: (612) 625-3046
Email: fryxx035@umn.edu
Fax: (612) 625-3513~~

~~\$143,000 is from the trust fund to the Board of Regents of the University of Minnesota to analyze the Minnesota Climate Change Advisory Group's greenhouse gas reduction recommendations related to electrical power from a life-cycle analysis and a socio-political perspective.~~

~~Project due to be completed: 6/30/2011~~
~~Work Program~~

Projecting Environmental Trajectories for Energy-Water-Habitat Planning
Subd. 7b \$180,000

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Peter Reich

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\$180,000 is from the trust fund to the Board of Regents of the University of Minnesota to combine detailed climatic records of Minnesota with present and past ecosystem boundaries to forecast future fine-scale flow of climate across the state impacting human activities and natural resources.

Project due to be completed: 6/30/2011
Work Program

Energy Efficient Cities
Subd. 7c \$2,000,000

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Carl Nelson

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\$2,000,000 is from the trust fund to the commissioner of commerce for an agreement with the Center for Energy and Environment for demonstration of innovative residential energy efficiency delivery and financing strategies, training,

installation, evaluation, and recommendations for a utility residential energy conservation program.

Project due to be completed: 6/30/2011

Work Program

Subd. 8 Administration and Other

Contract Management

Subd. 8a \$158,000

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Wayne Sames

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\$158,000 is from the trust fund to the commissioner of natural resources for contract management for duties assigned in Laws 2007, chapter 30, section 2, and Laws 2008, chapter 367, section 2, and for additional duties as assigned in this section.

Project due to be completed: 6/30/2011

Work Program

Legislative-Citizen Commission on Minnesota Resources (LCCMR)

Subd. 8b \$1,254,000

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Susan Thornton

Legislative-Citizen Commission on Minnesota Resources

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\$1,254,000 is from the trust fund for fiscal years 2010 and 2011 and is for administration as provided in Minnesota Statutes, section 116P.09, subdivision 5.

Project due to be completed: 6/30/2011