



## LCMR 2005 PROJECT ABSTRACTS

MN Laws 2005, First Special Session, Chapter 1, Article 2, Section 11 (July 1, 2005 through June 30, 2007)

The following documents are short abstracts for projects funded during the 2006-2007 biennium. The final date of completion for these projects is listed at the end of the abstract. When available, we have provided links to a projects web site. The sites linked to on this page are not created, maintained, or endorsed by the LCMR office or the Minnesota Legislature. If you would like further information about specific projects, please contact the appropriate program manager at the address or phone number listed.

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### Subd. 06 - [Recreation](#)

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#### [06l](#) Local and Regional Trail Grant Initiative Program

- 06m Mesabi Trail
- 06n Cannon Valley Trail Belle Creek Bridge Replacement
- 06o Arrowhead Regional Bike Trail Connections Plan
- 06p Land Acquisition, Minnesota Landscape Arboretum
- 06q Development and Rehabilitation of Minnesota Shooting Ranges
- 06r Birding Maps

Subd. 07 - Water Resources

- 07a Local Water Management Matching Challenge Grants
- 07b Accelerating and Enhancing Surface Water Monitoring for Lakes and Streams
- 07c Effects of Land Retirements on the Minnesota River - *Research*
- 07d Recycling Treated Municipal Wastewater for Industrial Water Use
- 07e Unwanted Hormone Therapy: Protecting Water and Public Health - *Research*
- 07f ~~Climate Change Impacts on Minnesota's Aquatic Resources - *Research*~~  
GOVERNOR VETO See 2006 Project Abstracts
- 07g ~~Green Roof Cost Share and Monitoring - GOVERNOR VETO~~
- 07h Woodchip Biofilter Treatment of Feedlot Runoff - *Research*
- 07i Improving Water Quality on the Central Sands - *Research*
- 07j Improving Impaired Watersheds: Conservation Drainage Research - *Research*
- 07k Hydrology, Habitat, and Energy Potential of Mine Lakes
- 07l Hennepin County Beach Water Quality Monitoring Project
- 07m Southwest Minnesota Floodwater Retention Projects
- 07n ~~Upgrades to Blue Heron Research Vessel - GOVERNOR VETO~~  
See 2006 Project Abstracts
- 07o Bassett Creek Valley Channel Restoration
- 07p Restoration of Indian Lake

Subd. 08 - Land Use and Natural Resource Information

- 08a Minnesota Biological Survey
- 08b Soil Survey
- 08c ~~Land Cover Mapping for Natural Resource Protection - GOVERNOR VETO~~  
See 2006 Project Abstracts
- 08d Open Space Planning and Protection

Subd. 09 - Agriculture & Natural Resource Industries

- 09a Completing Third-Party Certification of DNR Forest Lands
- 09b Third-Party Certification of Private Woodlands
- 09c Sustainable Management of Private Forest Lands
- 09d Evaluating Riparian Timber Harvesting Guidelines: Phase 2 - *Research*
- 09e Third Crops for Water Quality - Phase 2 - *Research*
- 09f Bioconversion of Potato Waste into Marketable Biopolymers - *Research*

Subd. 10 - Energy

- 10a Clean Energy Resource Teams and Community Wind Energy Rebate Program
- 10b ~~Planning for Economic Development via Energy Independence - GOVERNOR VETO~~
- 10c Manure Methane Digester Compatible Wastes and Electrical Generation
- 10d Dairy Farm Digesters
- 10e Wind to Hydrogen Demonstration
- 10f Natural Gas Production from Agriculture Biomass - *Research*
- 10g Biomass-Derived Oils for Generating Electricity and Reducing Emissions
- 10h ~~Phillips Biomass Community Energy Systems - GOVERNOR VETO~~  
See 2006 Project Abstracts
- 10i ~~Laurentian Energy Authority Biomass Project - GOVERNOR VETO~~  
See 2006 Project Abstracts

Subd. 11 - Environmental Education

- 11a ~~Enhancing Civic Understanding of Groundwater - GOVERNOR VETO~~  
See 2006 Project Abstracts

- 11b Cedar Creek Natural History Area Interpretive Center and Restoration
- 11c Environmental Problem-Solving Model for Twin Cities Schools - GOVERNOR VETO
- 11d Tamarack Nature Center Exhibits

**Subd. 12 - Children's Environmental Education**

**12a Children's Environmental Health**

Funding Sources: (\*\*note: all projects are TF, unless otherwise noted)  
 Environment and Natural Resources Trust Fund (TF)  
 Oil Overcharge (OOC)  
 Great Lakes Protection Account (GLP)

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**SUBD. 03 - ADMINISTRATION**

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**Legislative Commission on Minnesota Resources - PARTIAL GOVERNOR VETO**

03(a) \$-899,000 \$449,000 (second year appropriation of \$450,000 was vetoed)

John Velin, Director  
 LCMR  
 100 Rev. Dr. Martin Luther King Blvd.  
 65 - State Office Building  
 St. Paul, MN 55155

**Phone:** (651)296-2406  
**Fax:** (651)296-1321  
**E-mail:** [lcmr@commissions.leg.state.mn.us](mailto:lcmr@commissions.leg.state.mn.us)  
**Web:** <http://www.commissions.leg.state.mn.us/lcmr/lcmr.htm>

For administration as provided in Minnesota Statutes, section 116P.09, subdivision 5.

**This project due to be completed:** 6/30/2007

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**Contract Administration**

03(b) \$150,000

Bill Becker  
 DNR, Office of Management and Budget Services  
 500 Lafayette Road  
 St. Paul, MN 55155

**Phone:** (651) 296-3093  
**Fax:** (651)296-6047  
**E-mail:** [bill.becker@dnr.state.mn.us](mailto:bill.becker@dnr.state.mn.us)

Contract administration activities assigned to the commissioner for agreements with non-state agencies to receive project funding on a reimbursement basis.

**This project due to be completed:** 6/30/2008

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**SUBD. 04 - ADVISORY COMMITTEE**

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**Citizen Advisory Committee for the Trust Fund**

04 \$20,000

100 Rev. Dr. Martin Luther King Blvd.  
 65 - State Office Building  
 St. Paul, MN 55155

**Phone:** (651)296-2406  
**Fax:** (651)296-1321  
**E-mail:** [lcmr@commissions.leg.state.mn.us](mailto:lcmr@commissions.leg.state.mn.us)  
**Web:** <http://www.commissions.leg.state.mn.us/lcmr/lcmr.htm>

For expenses of the citizen advisory committee as provided in Minnesota Statutes, section 116P.06. Notwithstanding Minnesota Statutes, section 16A.281, the availability of \$15,000 of the appropriation from Laws 2003, Chapter 128, article 1, section 9, subdivision 4, advisory committee, is extended to June 30, 2007.

**Project due to be completed:** Funding changed to the newly created LCCMR M.L. 2006, Chp. 243, Section 19

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SUBD. 05 - FISH AND WILDLIFE HABITAT

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**Restoring Minnesota's Fish and Wildlife Habitat Corridors - Phase III**

05(a) \$4,062,000

Matt Holland  
Pheasants Forever  
679 W. River  
New London, MN 56273

**Phone:** 320-354-4377  
**Fax:** 320-354-4377  
**E-mail:** [ringneck@tds.net](mailto:ringneck@tds.net)

*DNR, Board of Water and Soil Resources, and for agreements with Pheasants Forever, Minnesota Deer Hunters Association, Ducks Unlimited, Inc., National Wild Turkey Federation, the Nature Conservancy, Minnesota Land Trust, the Trust for Public Land, Minnesota Valley National Wildlife Refuge Trust, Inc., U.S. Fish and Wildlife Service, Red Lake Band of Chippewa, Leech Lake Band of Chippewa, Fond du Lac Band of Chippewa, USDA-Natural Resources Conservation Service.*

To plan, restore, and acquire fragmented landscape corridors that connect areas of quality habitat to sustain fish, wildlife, and plants. Expenditures are limited to the 11 project 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.

**Project due to be completed:** 6/30/2008

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**Metropolitan Area Wildlife Corridors - Phase II**

05(b) \$3,530,000

Peggy Booth  
DNR  
1200 Warner Rd  
St. Paul, MN 55106

**Phone:** (651) 772-7562  
**Fax:** (651) 772-7977  
**E-mail:** [peggy.booth@dnr.state.mn.us](mailto:peggy.booth@dnr.state.mn.us)

*DNR, and for agreements with Trust for Public Land, Ducks Unlimited, Inc., Friends of the Mississippi River, Great River Greening, Minnesota Land Trust, Minnesota Valley National Wildlife Refuge Trust, Inc., Pheasants Forever, Inc. and Friends of the Minnesota Valley*

For the purposes of planning, improving, and protecting important natural areas in the metropolitan region, as defined by Minnesota Statutes, section 473.121, subdivision 2 and portions of the surrounding counties, through grants, contracted services, conservation easements, and fee 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.

**Project due to be completed:** 6/30/2008

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**Development of Scientific and Natural Areas**

05(c) \$134,000

Bob Djupstrom  
DNR  
500 Lafayette Rd.  
St. Paul, MN 55155

**Phone:** (651) 297-2357  
**Fax:** (651) 296-1811  
**E-mail:** bob.djupstrom@dnr.state.mn.us

To develop and enhance lands designated as scientific and natural areas.

**Project due to be completed:** 6/30/2008

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**Prairie Stewardship of Private Lands**

05(d) \$100,000

Peter Buesseler  
DNR  
1509 - 1st Ave. N.  
Fergus Falls, MN 56537

**Phone:** (218) 739-7576, x-240  
**Fax:** (218) 739-7601  
**E-mail:** peter.buesseler@dnr.state.mn.us

To develop stewardship plans and implement prairie management on private prairie lands on a cost share basis with private or federal funds.

**Project due to be completed:** 6/30/2008

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**Local Initiative Grants (Conservation Partners and Environmental Partnerships)**

05(e) \$500,000

Wayne Sames  
DNR  
500 Lafayette Rd.  
St. Paul, MN 55155

**Phone:** (651) 296-1567  
**Fax:** (651) 296-6047  
**E-mail:** wayne.sames@dnr.state.mn.us

To provide matching grants of up to \$20,000 to local government and private organizations for enhancement, restoration, research, and education associated with natural habitat and environmental service projects.

**Project due to be completed:** 6/30/2008

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**Minnesota ReLeaf Community Forest Development and Protection**

05(f) \$500,000

Ken Holman  
DNR  
500 Lafayette Rd.  
St. Paul, MN 55155

**Phone:** (651) 296-9110  
**Fax:** (651) 296-5954  
**E-mail:** ken.holman@dnr.state.mn.us

*DNR and for agreements with Tree Trust*

To protect forest resources, develop inventory-based management plans, and provide matching grants to communities to plant native trees. At least \$390,000 of this appropriation must be used for grants to communities.

**Project due to be completed:** 6/30/2008

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**Integrated and Pheromonal Control of Common Carp**

05(g) \$550,000

Peter Sorensen  
U of M  
1980 Folwell Ave.  
St. Paul, MN 55108

**Phone:** (612) 624-4997  
**Fax:** (612) 625-5299  
**E-mail:** [soren003@umn.edu](mailto:soren003@umn.edu)

**RESEARCH**

To research new options for controlling common carp.

**Project due to be completed:** 6/30/2009

**Biological Control of European Buckthorn and Garlic Mustard**  
 05(h) \$200,000

Luke Skinner  
 DNR  
 500 Lafayette Rd.  
 St. Paul, MN 55155

**Phone:** (651) 259-5140  
**Fax:** (651) 296-1811  
**E-mail:** [luke.skinner@dnr.state.mn.us](mailto:luke.skinner@dnr.state.mn.us)

**RESEARCH**

To research potential insects for biological control of invasive European buckthorn species for the second biennium and to introduce and evaluate insects for biological control of garlic mustard.

**Project due to be completed:** 6/30/2008

**Land Exchange Revolving Fund for Aitkin, Cass, and Crow Wing Counties-- GOVERNOR VETO**

05(i) \$500,000

Roger Howard  
 Aitkin County  
 209 2nd Street NW  
 Aitkin, MN 56434  
**Phone** 218-927-7364  
**Fax** 218-927-7249  
**E-mail** [acl@co.aitkin.mn.us](mailto:acl@co.aitkin.mn.us)

For a six-year revolving loan fund to improve public and private land ownership patterns, increase management efficiency, and protect critical habitat in Aitkin, Cass, and Crow Wing counties. By June 30, 2014, Aitkin County shall repay the \$500,000 to the Commissioner of Finance for deposit in the Environment and Natural Resources Trust Fund.

**Project due to be completed:** 6/30/2014

SUBD. 06 - RECREATION

**State Park and Recreation Area Land Acquisition**  
 06(a) \$2,000,000

Larry Peterson  
 DNR  
 500 Lafayette Rd.  
 St. Paul, MN 55155

**Phone:** (651) 296-0603  
**Fax:** (651) 296-6532  
**E-mail:** [larry.peterson@dnr.state.mn.us](mailto:larry.peterson@dnr.state.mn.us)

To acquire in-holdings for state park and recreation areas. Land acquired with this appropriation must be sufficiently improved to meet at least minimum management standards as determined by the commissioner of natural resources.

**Project due to be completed:** 6/30/2008

**LAWCON Federal Reimbursements**  
 06(b) \$1,600,000

Wayne Sames  
DNR  
500 Lafayette Rd.  
St. Paul, MN 55155

**Phone:** (651) 296-1567  
**Fax:** (651) 296-5047  
**E-mail:** wayne.sames@dnr.state.mn.us

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:** 6/30/2008

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**State Park and Recreation Area Revenue-Enhancing Development - GOVERNOR VETO**

06(c) — \$200,000

Larry Peterson  
DNR  
500 Lafayette Rd.  
St. Paul, MN  
**Phone:** 651-296-0603  
**Fax:** 651-296-6532  
**E-mail:** larry.peterson@dnr.state.mn.us

To enhance revenue generation in the state's park and recreation system.

**Project due to be completed:** 6/30/2007

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**Best Management Practices for Parks and Outdoor Recreation**

06(d) \$200,000

Michelle Snider  
MN Recreation & Park Association  
200 Charles Street NE  
Fridley, MN 55432

**Phone:** (763) 571-1305, x-100  
**Fax:** (763) 571-5204  
**E-mail:** snider@mnrecpark.org

To develop and evaluate opportunities to more efficiently manage Minnesota's parks and outdoor recreation areas.

**Project due to be completed:** 6/30/2007

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**Metropolitan Regional Parks Acquisition, Rehabilitation and Development**

06(e) \$2,000,000

Arne Stefferud  
Metropolitan Council  
230 E. 5th Street  
St. Paul, MN 55101

**Phone:** (651) 602-1360  
**Fax:** (651) 602-1674  
**E-mail:** arne.stefferud@metc.state.mn.us

For subgrants for the acquisition, development, and rehabilitation in the metropolitan regional park system, consistent with the metropolitan council regional recreation open space capital improvement plan.

**Project due to be completed:** 6/30/2008

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**Gitchi-Gami State Trail**

06(f) \$500,000

Keven Johnson  
DNR  
1568 Hwy #2

