

2007 LCCMR Proposal Summaries by Category

Proposals numbered 1 through 14 are "invited" proposals for land protection and water focus. Proposals 15 through 85 are the water proposals received in response to the water RFP.

Proposals 15 through 85 are sorted by funding priority categories published in the water RFP and alphabetized by project manager's last name. The project serial number reflects an alphabetical sorting by project manager last name.

Water resource conservation and protection funding priority categories:

1. **Restoration of wetlands and sensitive waters** (including trout streams, springs and fens):
 - a. Demonstrate innovative and efficient ways to restore drained and impaired wetlands and/or sensitive waters (wetland restorations must result in a net gain of wetlands).
 - b. Evaluate the impacts of wetland and/or sensitive waters restorations including developing standards for measuring success.
2. **Water quality** - demonstrate and evaluate new ways to improve water quality in ground water and surface waters:
 - a. Reduce/eliminate harmful pharmaceuticals, mercury and other chemicals from entering and contaminating ground water and surface waters.
 - b. Eliminate endocrine disruptors that affect aquatic animal life from entering surface waters.
 - c. Develop and implement innovative practices that prevent solids from moving from land to water.
3. **Aquatic habitat** – demonstrate and evaluate innovative ways to protect, improve and prevent degradation of native aquatic habitat (including preventing the spread of invasive species through biological control).
4. **Water/energy nexus** – demonstrate and evaluate innovative ways to reduce water use and to improve water quality in the processing of bio-fuels.

Category: Invited Proposals

Serial #	Forest Legacy	Doug Anderson	Amt. Requested
1	Enhancing the sustainable management of private forest lands through professional assistance in preparing forest management plans, cost-sharing forest management projects and establishing conservation easements.	DNR, Div of Forestry 500 Lafayette Rd. St. Paul MN 55155 doug.anderson@dnr.state.mn.us	\$2,000,000
Serial #	Prairie Stewardship Assistance for Private Landowners	Peter Buessler	Amt. Requested
2	Develop 40 stewardship plans covering 3200 acres and assist 70 landowners with habitat projects improving 2000 acres of native prairie. LCMR funding leverages additional federal LIP funding and landowner contributions.	MN DNR Scientific and Natural Areas Pr 1509 1st Ave. N Fergus Falls MN 56537 peter.buesseler@dnr.state.mn.us	\$325,000
Serial #	Minnesota County Biological Survey	Carmen Converse	Amt. Requested
3	The Minnesota County Biological Survey (MCBS) identifies significant natural areas and systematically collects and interprets data on the distribution and ecology of native plant communities, rare plants and rare animals.	Minnesota Department of Natural Resour 500 Lafayette Roa St Paul MN 55155 carmen.converse@dnr.state.mn.us	\$1,500,000
Serial #	Metro Conservation Corridors (MeCC) Phase III - Overall	Kate Drewry	Amt. Requested
4	Ten partners will protect/acquire approximately 800 acres and restore/enhance approximately 400 acres of significant upland/wetland and/or riparian habitat within scientifically identified and prioritized focus areas in the greater Metropolitan Region (see	Mn Department of Natural Resources 1200 Warner Road St. Paul MN 55106 kate.drewry@dnr.state.mn.us	\$4,461,800
Serial #	Minnesota's Habitat Corridors Partnership - Phase IV	Matt Holland	Amt. Requested
5	The mission of the Partnership is to restore, enhance and conserve habitat corridors for the purpose of sustaining fish, wildlife, and native plant communities for all generations. This proposal restores, enhances and/or protects 16,731 acres by working	Pheasants Forever, Inc 679 West River Dri New London MN 56273 mholland@pheasantsforever.org	\$5,997,000

Category: Invited Proposals

Serial #	Minnesota's Water Resources: Impacts of Climate Change- Part 2	Lucinda Johnson	Amt. Requested
13	Quantify climate, hydrologic, and ecological variability and trends; project economic impacts of environmental fluctuations on water resources and infrastructure; and identify indicators of future climate change effects on aquatic systems.	University of Minnesota Duluth 5013 Miller Trunk Duluth MN 55811 ljohnson@d.umn.edu	\$499,878
Serial #	Soil Surveys: Their Completion and Web-based Delivery	Greg Larson	Amt. Requested
6	Soil survey completion and their delivery through the Internet is accelerated. Six counties, including Crow Wing and Pine, are emphasized and technology for soil mapping and data delivery are examined.	Board of Water and Soil Resources 520 Lafayette Rd. St. Paul MN 55155 greg.larson@bwsr.state.mn.us	\$500,000
Serial #	State Parks and Trails Land Acquisitions	Larry Peterson	Amt. Requested
7	Project funding will be utilized to acquire and preserve for the public, critical parcels within the statutory boundaries of state parks and priority parcels for state trail corridors.	DNR, Div of Parks and Recreation and Di 500 Lafayette Rd. St. Paul MN 55155 larry.peterson@dnr.state.mn.us	\$2,000,000
Serial #	LAWCON Federal Reimbursement	Wayne Sames	Amt. Requested
8	Federal Land and Water Conservation Fund (LAWCON) reimbursements are used to fund state and local outdoor recreation projects and the costs of the required administration and planning activities.	MN Department of Natural Resources 500 Lafayette Roa St. Paul MN 55155 wayne.sames@dnr.state.mn.us	\$500,000
Serial #	Outstate Regional Parks/Natural and Scenic Area Acquisition	Wayne Sames	Amt. Requested
10	DNR Local Initiative Grant program matching grants to local governments for acquisition of local or regional natural and scenic areas and regional parks outside the Twin Cities Metro Region	Department of Natural Resources 500 Lafayette Roa St. Paul MN 55155 wayne.sames@dnr.state.mn.us	\$1,300,000

Category: Invited Proposals

Serial #	County Geologic Atlas Program Acceleration	Dale Setterholm	Amt. Requested
12	This project will accelerate production of County Geologic Atlases which describe the location, size, boundaries, and vulnerability of aquifers to support wise use and protection of ground water.	Minnesota Geological Survey 2642 University Av St. Paul MN 55114 sette001@umn.edu	\$800,000
Serial #	Biological Control of European Buckthorn and Garlic Mustard	Luke Skinner	Amt. Requested
9	Conduct research to evaluate potential insects for biological control of the invasive European buckthorn and to introduce and evaluate insects for biological control of garlic mustard in Minnesota.	Minnesota Department of Natural Resour 500 Lafayette Roa St. Paul MN 55155 luke.skinner@dnr.state.mn.us	\$300,000
Serial #	Metropolitan Regional Park System Land Acquisition	Arne Stefferud	Amt. Requested
11	Finance 60% of acquisition costs for 230 acres in the 2006-07 Regional Parks Capital Improvement Program (CIP), and 480 acres within approved park unit boundaries when CIP funds are spent.	Metropolitan Council 390 North Robert S St. Paul MN 55101 arne.stefferud@metc.state.mn.us	\$8,435,000
Serial #	Local Water Management Matching Challenge Grants	David Weirens	Amt. Requested
14	This project will provide grant monies to eligible local governments to implement high priority actions in state approved and locally adopted water management plans.	Minnesota Board of Water and Soil Reso 520 Lafayette Roa St. Paul MN 55155 david.weirens@bwsr.state.mn.us	\$1,250,000

Category: 1

Restoration of wetlands and sensitive waters (including trout streams, springs and fens)

Serial #	Lake Zumbro Wetland Park	Dean Albertson	Amt. Requested
16	Develop a public park around a restored wetland area. Best available water and stormwater management technologies and practices will be demonstrated including a constructed wetland for wastewater treatment.	Lake Zumbro Forever, Inc. 56131 403rd Ave. Zumbro Falls MN 55991 doctra@rconnect.com	\$235,000
Serial #	Innovative Springshed Mapping for Trout Stream Management	E. Calvin Alexander, Jr.	Amt. Requested
17	Innovative identification and delineation of supply areas (springsheds) for springs serving as coldwater sources for modern and historic trout streams and assessing impacts on them from land and water development.	University of Minnesota Geology & Geophy Minneapolis MN 55455 alexa001@umn.edu	\$269,877
Serial #	Field Guide for Evaluating Vegetation of Restored Wetlands	Paul Bockenstedt	Amt. Requested
27	Develop and make available in print and online an easy-to-use field guide to assist agency staff, conservationists, construction inspectors, farmers, and others with evaluating the quality of wetland restorations in Minnesota.	Bonestroo, Rosene, Anderlik, & Associat 2335 West Highwa St. Paul MN 55113 pbockenstedt@bonestroo.com	\$52,880
Serial #	Knife River Watershed Steelhead Habitat Rehabilitation	Kevin Bovee	Amt. Requested
30	Knife River Watershed steelhead habitat will be rehabilitated from beaver degradation by hydraulically dredging silt from the streambed and stabilizing the eroding streambanks to reduce the amount of discharged sediment.	Lake Superior Steelhead Association PO Box 16034 Duluth MN 16034 outriderdulut@msn.com	\$339,000
Serial #	High Impact Wetland Restorations	Kay Clark	Amt. Requested
35	This project will restore wetlands for water quality purposes, on public and private drainage systems. Wetlands with significant watersheds will be a priority. The restored wetlands will act as filters.	Greater Blue Earth River Basin Alliance (339 9t Street Windom MN 56101 kay.clark@mn.nacdnet.net	\$1,137,500

Category: 1**Restoration of wetlands and sensitive waters (including trout streams, springs and fens)**

Serial #	Restoring an outstanding patterned fen in northeastern Minnesota	Paul Glaser	Amt. Requested
41	We will determine the cause of recent hydrological and botanical changes in an outstanding patterned fen in order to restore this peatland and preserve its populations of rare plants.	University of Minnesota Department of Geo Minneapolis MN 55455 glase001@umn.edu	\$491,681
Serial #	Establishing Resource Management Plans for Designated Trout Streams	Amanda Goebel	Amt. Requested
42	Urbanization threatens high quality groundwater dependent natural resources such as trout streams. The project will develop resource management plans that delineate groundwater recharge areas and will develop standards for protection.	Washington County Department of Public 14949 62nd Street Stillwater MN 55127 amanda.goebel@co.washington.mn.us	\$603,560
Serial #	Calcareous Fen and Groundwater Management in Urbanizing Areas	Barbara Huberty	Amt. Requested
47	Economical, streamlined methods are needed in urbanizing areas to predict groundwater recharge and calcareous fen locations to avert development decisions that damage natural and built environments.	201 4th St. SE, Room 108 Rochester Olmsted MN 55904 bhuberty@ci.rochester.mn.us	\$710,000
Serial #	Monitoring Minnesota's Water and Wetland Resources using Radarsat2	Brian Huberty	Amt. Requested
46	Minnesota water and wetland resources are in more demand than ever. Some current demands:	U.S. Fish and Wildlife Service 1 Federal Drive, M Fort Snelling MN 55111 brian_huberty@fws.gov	\$198,000
Serial #	Digital Elevation Mapping data	Suzanne Jiwani	Amt. Requested
49	Project will provide 25% matching funds to counties, enabling them to enhance their aerial photography with value-added LiDAR technology to provide 2-ft contour data of consistent accuracy.	Minnesota DNR 500 Lafayette Roa St. Paul MN 55155 suzanne.jiwani@dnr.state.mn.us	\$1,000,000

Category: 1**Restoration of wetlands and sensitive waters (including trout streams, springs and fens)**

Serial #	Quantifying and Communicating Risk to Minnesota's Watersheds	Lucinda Johnson	Amt. Requested
51	We will quantify watershed stressors to: 1) identify sources of impairment, 2) develop targets for restoration, 3) prioritize protection, and 4) communicate effects of stressors to the users and public.	University of Minnesota Duluth; Natural R 5013 Miller Trunk Duluth MN 55811 ljohnson@d.umn.edu	\$299,812
Serial #	Protection of Rare and Unique Rock Outcrop Wetlands	Thomas Kalahar	Amt. Requested
52	This project will provide landowner compensation for perpetual easement protection of unique wetland and riparian habitats associated with rock outcrops in the Minnesota River Valley within Redwood and Renville Counties.	Renville Soil & Water Conservation Distri 1008 W. Lincoln Olivia MN 56277 kalahar@yahoo.com	\$600,000
Serial #	Water quality impairment, Clearwater and Upper Mississippi Rivers	Timothy Kroeger	Amt. Requested
55	The Clearwater and upper Mississippi Rivers seasonally have low dissolved oxygen We will seek to identify causes of impairment and identify possible solutions to the problem.	Bemidji State University CEESS, #27, 1500 Bemidji MN 56601 tkroeger@bemidjistate.edu	\$336,600
Serial #	Two River Watershed District - Springbrook Coulee	Dan Money	Amt. Requested
64	Provide numerous environmental benefits by restoring meanders to an existing degraded channel, establishing a grass buffer, constructing set back levees, and installing side water inlets along 9 miles.	Two River Watershed District 410 S 5th Street, S Hallock MN 56728 daniel.money@mn.nacdnet.net	\$755,000
Serial #	Minnehaha Creek Stream Re-meander at Methodist Hospital	Robert Riesselman	Amt. Requested
72	Restore the Minnehaha Creek stream to a meandering flow channel, and provide amenities that will encourage hospital patients, staff and community to enjoy and interact with the natural stream environment.	Minnehaha Creek Watershed District (Mi 18202 Minnetonka Deephaven MN 55391 mwyatt@minnehahacreek.org	\$250,000

Restoration of wetlands and sensitive waters (including trout streams, springs and fens)

Serial #	Platte Lake Water Quality Restoration Research Project	Ellen Watson	Amt. Requested
80	Determine the viability of improving Platte Lake water quality through strategic vegetative plantings in the northeast sector of the lake watershed.	Platte Lake Property Owners Association 2415 Merrimac Lan Plymouth MN 55447 ewatson4@att.net	\$30,000

Category: 2

Water quality - demonstrate and evaluate new ways to improve water quality in ground water and surface waters

Serial #	Stakeholder Engagement to Affect Local Lake Water Quality	Dennis R. Becker		Amt. Requested
23	Lake Improvement Districts provide a tool for local stakeholders to affect water quality, but diffusion has been slow. The research assesses program effectiveness with recommendations for implementation and policy development.	University of Minnesota 1530 Cleveland Av Saint Paul MN 55108 drbecker@umn.edu		\$74,969
Serial #	Defining aquifers and aquifer capacity	Jim Berg		Amt. Requested
24	Provides exploration, mapping, and testing of ground water resources in southwestern Minnesota and geologic database development for two priority water resource areas in the state.	DNR 500 Lafayette Rd. St. Paul MN 55155 jim.berg@dnr.state.mn.us		\$850,000
Serial #	ACCELERATING PROGRESS IN THE MINNESOTA RIVER BASIN	Shannon Fisher		Amt. Requested
39	The project will use system dynamics to increase stakeholder capacity for improving water quality in the Minnesota River. The process and resulting model will enhance collective knowledge, create shared understanding of the river system, and increase stakeholder	Minnesota State University, Mankato 184 Trafton Scienc Mankato MN 56001 shannon.fisher@mnsu.edu		\$568,900
Serial #	Long-term Nutrient and Pesticide Best Management Practice Assessment	Jim Ford		Amt. Requested
40	This project will evaluate the relationship of existing agricultural management practices to water quality and will provide baseline information for a long-term evaluation of watershed scale best management practices.	MN Dept. of Agriculture 625 Robert Street St. Paul MN 55155 jim.ford@mda.state.mn.us		\$95,000
Serial #	Airborne Digital Mapping Camera System for Monitoring	Brian Huberty		Amt. Requested
45	This proposal will acquire and implement a multispectral digital mapping camera system to be jointly used jointly by partners to monitor and map water quality, wetland systems, forest resources and wildlife habitat.	U.S. Fish and Wildlife Service 1 Federal Drive, M Fort Snelling MN 55111 brian_huberty@fws.gov		\$580,000

