

2009 Phase 1 - Environment and Natural Resources Trust Fund Proposals

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Project #	Last Name	First Name	Project Title	Summary	Organization	\$ Requested
A. Natural Resource Data and Information (subtotal - \$10,935,257)						
A01	Converse	Carmen	Minnesota County Biological Survey	The Minnesota County Biological Survey (MCBS) systematically collects, interprets, and delivers data on the distribution and ecology of rare plants and rare animals, native plant communities, and functional landscapes as a foundation for the conservation of biological diversity through ecological monitoring, environmental review, planning, and critical habitat protection.	DNR	\$4,200,000
A02	Setterholm Berg	Dale Jim	County Geologic Atlas Acceleration and Groundwater Monitoring Supplement	Part A - Accelerate production of geologic portions of County Geologic Atlases, which describe aquifer location, size, boundaries, and vulnerability to support wise use and protection of groundwater and other resources. Part B - To accelerate production of County Geologic Atlases and the installation and testing of Mt. Simon aquifer monitoring wells for groundwater protection and wise use.	Minnesota Geological Survey DNR	\$2,695,200
A03	Larson	Greg	Soil Survey	Soil survey completion and their delivery through the Internet (Web Soil Survey) are accelerated. Eight project areas are emphasized and soils data is updated and re-interpreted for modern applications.	BWSR	\$400,000
A04	Alexander, Jr.	E. Calvin	Innovative Trout Stream Springshed Mapping in Southeast Minnesota-Continuation	Innovative identification and deliniation 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.	U of M	\$1,118,837
A05	Norris	Doug	Updating the National Wetlands Inventory in Minnesota	Wetland mapping standards will be established for all state ecoregions. Updated wetland maps will be finished for 13 counties encompassing the metro area and Cook, Lake and St. Louis counties.	DNR	\$1,920,220

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A06	Blunck	Darin	Restorable Wetlands Inventory	Addressing demand for accurate baselines of Minnesota's wetland resources; drained wetlands will be mapped in 6,120mi ² of the tallgrass-prairie ecoregion, finalizing the State's digital inventory of restorable wetlands.	Ducks Unlimited, Inc.	\$301,000
A07	Hauck	Steven	Minnesota's Geothermal Energy Production Requires Heat Flow Mapping	Heat flow under Minnesota is represented by four data points. Three are invalid. Energy companies need detailed heat flow/temperature maps to evaluate the feasibility of local geothermal energy production.	UMD, NRRI	\$300,000
B. State Parks, Trails, and Natural Areas Acquisition & Restoration (subtotal - \$36,217,000)						
B08	Peterson	Larry	State Parks Land Acquisition	Acquire land from willing sellers within the statutory boundaries of state parks. These acquisitions, help reduce impacts of development that would otherwise occur on the property and protect quality resources.	DNR	\$1,500,000
B09	Linnell	Stan	State Trails Land Acquisition	State Trails Land Acquisition: Acquire land from willing sellers along state trail corridors, providing significant recreational and resource corridors between communities, local parks, and other state and local trails.	DNR	\$1,500,000
B10	Stefferdud	Arne	Metropolitan Regional Park System Acquisition	Award subgrants to regional park agencies under the Metropolitan Council's Park Acquisition Opportunity Fund program to acquire about 370 acres for the Metropolitan Regional Park System.	Metropolitan Council	\$4,000,000
B11	Sames	Wayne	Non-Metropolitan Regional Parks and Natural/Scenic Area Acquisition	These programs provide matching grants to help local governments acquire shoreland; large, contiguous areas; and threatened habitat in rapidly growing areas and where land use changes may limit future opportunities.	DNR	\$4,170,000
B12	Booth	Peggy	Statewide Scientific and Natural Area Acquisition and Restoration	Acquire about 200 acres of high quality native plant communities and rare features as Scientific and Natural Area. Restore at least 800 acres of SNAs degraded by various impacts.	DNR	\$1,200,000

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B13	Peterson	Richard	Implementing Forests for the Future Program (Forest Legacy)	This project will implement Forests for the Future Program. Results: Identification of priority forests; Landscape-scale easement acquisition project; Implement systematic program for evaluating and reporting long-term sustainability of protected forests.	DNR	\$6,300,000
B14	Holland	Matt	Minnesota Habitat Conservation Partnership (HCP) - Overall Summary	A total of 11,313 acres in identified project areas are to be restored, enhanced or protected. \$9.2M in non-state funds are committed by fifteen partners in habitat conservation.	Pheasants Forever, Inc.	\$8,862,000
Individual Partner Proposals for LCCMR ID: B14						
B14.01	Holland	Matt	HCP - Project Coordination, Mapping & Data Management (1a)	This proposal provides for partner coordination and the timely and accurate reporting of all Habitat Conservation Partnership accomplishments and expenditures during the project period.	Pheasants Forever, Inc.	\$100,000
B14.02	Cannella	Joe	HCP - Melvin Slough Landscape Restoration (2a)	Project will restore approximately 93 acres of Prairie Wetlands, Grasslands and Oak Savannas on the Melvin Slough Waterfowl Production Area. Project area is adjacent to Chicog WMA and SW of Glacier Ridge Refuge.	MN Deer Hunters Association	\$100,000
B14.03	Myerchin	Sheldon	HCP - Partners for Fish and Wildlife (2b)	The Partners for Fish and Wildlife Program will provide technical and financial assistance to Minnesota landowners to complete 150 acres of wetland and prairie restoration and/or enhancement projects.	US Fish and Wildlife Service	\$75,000
B14.04	Schneider	Jon	HCP - Shallow Lake Enhancement (2c)	DU will provide bio-engineering technical assistance to DNR and USF&WS to survey, design and install water control structures and fish barriers to improve 400 acres of degraded shallow lake habitat.	Ducks Unlimited, Inc.	\$400,000
B14.05	Norrgard	Ray	HCP - Shallow Lake Assessment & Management (2d)	DNR will conduct 220 on-site field investigations to support accelerated management of shallow lakes and adjacent wetland complexes. Management will be primarily accomplished by DNR and Ducks Unlimited staff.	DNR	\$390,000
B14.06	Willhite	Suzann	HCP - Wildlife Areas Management (2g)	DNR, Section of Wildlife staff will manage habitat restoration and infrastructure development necessary for public access on lands acquired by partners for purpose of State Wildlife Management Areas (WMAs)	DNR	\$70,000

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B14.07	Erickson-Eastwood	Linda	HCP - Fisheries Habitat Restoration (2h)	Restore or maintain up to 25 acres and/or 1.5 miles of aquatic habitat. Use the HCP map to prioritize projects. It builds upon the Minnesota Statewide Conservation and Preservation Plan.	DNR	\$200,000
B14.08	Neu	Dave	HCP - Bluffland Restoration/Set Out Seedlings (2i)	Restore 200 acres of bluffland habitat by removing red cedar in HCP Area 11. Plant seedlings on 100 acres of public and private land in HCP Area 9.	National Wild Turkey Federation	\$137,000
B14.09	Henderson	Carrol	HCP - Lakescaping for Wildlife & Water Quality (2j)	This project is designed to create eight demonstration sites on private land to show how buffer zones of native plants can improve wildlife habitat and water quality on a lakeshore.	DNR	\$85,000
B14.10	Garms	Jason	HCP - Prairie Management (2k)	This project addresses prairie management needs on public and private lands. Focus is placed on prairies identified by the MCBS program. At least 950 acres of prairie will be benefited.	DNR	\$150,000
B14.11	Pressman	Michael	HCP - Campaign for Conservation - Acquisition and Restoration (2n/4f)	Restoration of 2,723 acres of prairies, savannas, wetlands, and forests. Protection of 435 acres (200 ETF, 235 other funds) of critical wildlife habitat, re-connecting fragmented landscapes, and preventing habitat conversion.	The Nature Conservancy	\$800,000
B14.12	Hoch	Greg	HCP - Prairie landscape Restoration: Oak Savanna, Grasslands, and Wetlands (2o)	We will remove brush and trees to restore oak savannas, plant diverse native seed mixes in uplands, and improve wetlands through removal of silt at Kruger WPA in Becker County	Friends of the Detroit Lakes WMD	\$50,000
B14.13	Prohaska	Jane	HCP - Shoreland Protection Project - Conservation Easements (3a)	Protect critical riparian habitats by securing permanent conservation easements on up to 500-700 acres of land along lakes, wetlands, rivers and streams and dedicating funds to support those easements.	Minnesota Land Trust	\$400,000
B14.14	Schneider	Jon	HCP - Shallow Lake Easements (3c)	DU will help private landowners protect their shoreline on shallow lakes important to waterfowl by negotiating and securing permanent conservation easements that limit subdivision and development on 400 acres.	Ducks Unlimited, Inc.	\$400,000
B14.15	Schneider Koehler	Jon Tim	HCP - Wetlands Reserve Program (3d)	DU will hire contract technicians to assist NRCS with promoting and restoring WRP by securing new applications from landowners, developing restoration plans, and restoring previous WRP easements on 3,000 acres.	Ducks Unlimited, Inc. USDA	\$580,000

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B14.16	Holland	Matt	HCP - Critical Lands Conservation Initiative - Acquisition (4a)	This project will provide habitat and public access to all Minnesotans on 650 acres of land that provides enhanced benefits due to its proximity to other habitats and/or value.	Pheasants Forever, Inc.	\$975,000
B14.17	Halverson	Mike	HCP - Fisheries Land Acquisition (4b)	Project will secure approximately 300 acres (3.6 miles of shoreline). Priority will be given to regionally significant habitat that builds on existing shoreline habitat and provides angler access.	DNR	\$750,000
B14.18	McGillivray	Robert	HCP - Critical Lands Protection Program (4c)	TPL proposes to use \$950,000 of Trust Fund money and \$950,000 from other sources to protect and link approximately 120 acres of high quality habitat in Minnesota.	The Trust for Public Land	\$950,000
B14.19	Loon	Deborah	HCP - Acquisition for Minnesota Valley Wetland Management District (4h)	The Minnesota Valley National Wildlife Refuge Trust, Inc. will accelerate completion of the Lincoln or Perch Lake WPA by acquiring at least 40 acres of priority habitat.	Minnesota Valley National Wildlife Refuge Trust	\$200,000
B14.20	Hennings	Kim	HCP - Professional Services (4i)	The MN DNR Division of Fish and Wildlife will provide professional services and pay the associated costs of conveying lands acquired by partners under this project to the DNR.	DNR	\$50,000
B14.21	Schneider	Jon	HCP - Pelican Lake WMA & WPA Acquisition Acceleration (5a)	HCP requests \$1 million to leverage \$500,000 in federal funds and \$2.5 million in state funds to accelerate the acquisition, protection and restoration of 300 acres of Pelican Lake shoreland.	Ducks Unlimited, Inc.	\$1,000,000
B14.22	Halverson	Mike	HCP - Accelerated Trout Stream Easement Acquisition (5b)	Project will secure approximately 11 miles of permanent trout stream easement. Priority will be given to reaches that provide connection to existing permanent easements.	DNR	\$1,000,000
B15	Becker	William	Metro Conservation Corridors (MeCC) - Overall Summary	MeCC protects/restores habitat in priority corridors: Restore/enhance 945 acres and 10 miles of shoreline; protect through fee/easement 1200 acres significant to species movement; and assist local protection in 8 jurisdictions.	DNR	\$8,685,000

Individual Partner Proposals for LCCMR ID: B15

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B15.01	Becker	William	MeCC - Mapping and Coordination (1.1)	Improved targeting of restoration and acquisition through better mapping of corridors and reduced lost opportunities for restoration and acquisition of priority habitat through coordination of partners.	DNR	\$150,000
B15.02	Lewanski	Tom	MeCC - Restore & Enhance Significant Watershed Habitat (2.3)	FMR will address habitat loss & degradation by restoring and enhancing approximately 100 acres of critical wildlife habitat within the mapped Metro corridors.	Friends of the Mississippi River	\$200,000
B15.03	Pavelko	Joseph	MeCC - Lower Minnesota River Watershed Restoration & Enhancement (2.4)	Restore/enhance 150 acres of significant biological communities throughout the MeCC mapped corridors within the Lower Minnesota River Watershed. An additional 75 acres will be restored/enhanced using other, non-state funds.	Friends of the Minnesota Valley	\$150,000
B15.04	Buck	Wiley	MeCC - Restore & Enhance Significant Habitat (2.5)	Great River Greening will improve/restore/enhance 325 ecologically significant acres, and 0.5mi of shoreline. Project criteria are ecological significance, partner commitment, opportunity, and importance to the local community.	Great River Greening	\$400,000
B15.05	Block	Marybeth	MeCC - Grants for Restoration, Acquisition, Easements, and Other Conservation Tools (2.6/3.4/4.1)	Metro Greenways provides grants to local governments to leverage funding to protect and restore important terrestrial and aquatic habitats and assist local governments with other ways to conserve natural habitats.	DNR	\$2,695,000
B15.06	Booth	Peggy	MeCC - Metro SNA Acquisition, Restoration & Enhancement (2.7/3.6)	Acquire about 50 acres of high quality native plant communities and rare features as Scientific and Natural Area and restore about 200 acres of SNA within Metro mapped corridors.	DNR	\$600,000
B15.07	Halverson	Mike	MeCC - Stream Habitat Restoration (2.9)	Project will restore approximately 2 miles of designated trout stream. Priority will be based on resource mapping, previous disturbance, potential partners, and on streams with existing public angler access.	DNR	\$500,000
B15.08	Nash	Becca	MeCC - Critical Land Protection Program (3.1)	TPL will protect up to 43 acres of habitat in the Metro Conservation Corridors areas, leveraging at least \$950,000 in other funds and 43 additional acres protected.	The Trust for Public Land	\$950,000
B15.09	Prohaska	Jane	MeCC - Protect Significant Habitat by Acquiring Conservation Easements (3.2)	To protect up to 600 acres of critical habitat and natural areas by securing permanent conservation easements and dedicating funds for the perpetual monitoring, management, and enforcement of those easements.	Minnesota Land Trust	\$1,140,000

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B15.10	Loon	Deborah	MeCC - Fee Acquisition for Minnesota Valley NWR (3.3)	Fee title acquisition of 180 acres of significant habitat in the Minnesota River Valley within Carver, Scott or Sibley Counties for expansion of the Minnesota Valley National Wildlife Refuge.	Minnesota Valley National Wildlife Refuge Trust	\$900,000
B15.11	Halverson	Mike	MeCC - Fish & Wildlife Land Acquisition (3.5)	Project will secure approximately 180 acres (3.0 miles of shoreline). Priority will be given to regionally significant habitat that will build on the existing shoreline habitat and provide angler access.	DNR	\$1,000,000
C. Water-Related Research (subtotal - \$2,688,397)						
C16	Novak	Paige	Removal of Endocrine Disruptors: Treatment and Education / Communication	The goal of our research is to remove endocrine disruptors from Minnesota's waters. We will pursue strategies of enhancing treatment at wastewater treatment plants and decreasing use of these compounds.	U of M	\$312,647
C17	Johnson	Lucinda	Adapting Aquatic Resource Management to Climate Change	The aim of this project is to provide region-specific tools and recommendations for adapting management of Minnesotas aquatic resources to projected climate change.	UMD, NRRI	\$545,675
C18	Hoppie	Bryce	Comprehensive Contaminant Assessment in Minnesota Watersheds	Building on recent success assessing contaminated loads in the Blue Earth River, we will expand our research to the rivers smaller tributaries where the majority of the contaminants originate.	MN State University Mankato	\$190,000
C19	Nieber	John	Assessing and Monitoring Water Resource Sustainability	Tools for predicting water resource sustainability for current climatic conditions and for future conditions of global climate change will be developed along with sustainability monitoring system network designs.	U of M	\$717,000
C20	Lehman	Clarence	Cedar Creek Groundwater Project using Prairie Biofuel Buffers	Develop quantitative data on annually cropped prairie buffers to remove emerging contaminants from water before they reach our streams, lakes, and aquifers—simultaneously producing perpetually renewable bioenergy and ecosystem services.	U of M	\$781,000
C21	Suh	Sangwon	Future of Energy and Minnesota's Water Resources II	We will conduct an in-depth analysis of climate change impacts on water resources in Minnesota, and analyse the water implications of strategies recommended in the Statewide Conservation and Preservation Plan.	U of M	\$124,075

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					GRAND TOTAL	\$49,822,654