

**2011-2012 Detailed Project Budget
Minnesota County Biological Survey**

IV. TOTAL TRUST FUND REQUEST BUDGET 2 years

BUDGET ITEM (See List of Eligible & Non-Eligible Costs, p. 13)	AMOUNT
Personnel: (18 positions) The following are State of MN employees. Salary and fringe are included in budget item. Most positions require specialized professional skills in plant and animal surveys (understanding of taxonomy, behavior, field survey techniques, statistics, sampling design, specimen preparation and documentation/data management). In addition, use of remote-sensing equipment, interpretation of aerial imagery, understanding of soils, geology, hydrology, and landscape processes are critical to accomplishing many required tasks. Finally, the understanding of the resource data enables information management staff to create programs to effectively manage data for analysis and interpretation of results. Staff skills focused on the communication of results is especially needed during this project period to meet deadlines for web-based and published products.	
Botanist* (1 classified @100% time)	\$166,000
Botanists (2 unclassified @100% time)	\$272,000
Ecologists** (4 classified @100% time)	\$604,000
Ecologists (7 unclassified @100%)	\$892,000
Information officer (1 unclassified @90% time)	\$140,000
Information GIS manager*** (1 classified @100% time)	\$180,000
Information managers (2 unclassified @100% time)	\$350,000
Contracts: Native plant community and botanical field surveys (northern MN)	\$166,000
Service-level agreements (within the DNR) for development of web-products	\$100,000
Vegetation and species monitoring contracts (prairie monitoring)	\$200,000
Equipment/Tools/Supplies: Field supplies to conduct biological surveys, including GPS units, data recorders, cameras, communication safety equipment (especially in Border Lakes and remote peatlands), plant and animal specimen collecting and preservation supplies, water chemistry sampling supplies, batteries, air photos, maps, water resistant note books, etc.	\$50,000
Travel: In-state travel, including food and lodging expenses when in travel status. Especially used by field staff where vehicle mileage is paid for temporary use of DNR vehicles during the summer field surveys. Vehicles are often trucks due to need for access to remote locations and the need to transport canoes and kayaks (especially for aquatic plant surveys and surveys in Border Lakes, including the Boundary Waters Canoe Area Wilderness). Aerial flights also used (especially in large peatlands).	\$180,000
TOTAL ENVIRONMENT & NATURAL RESOURCES TRUST FUND \$ REQUEST	\$3,300,000

V. OTHER FUNDS

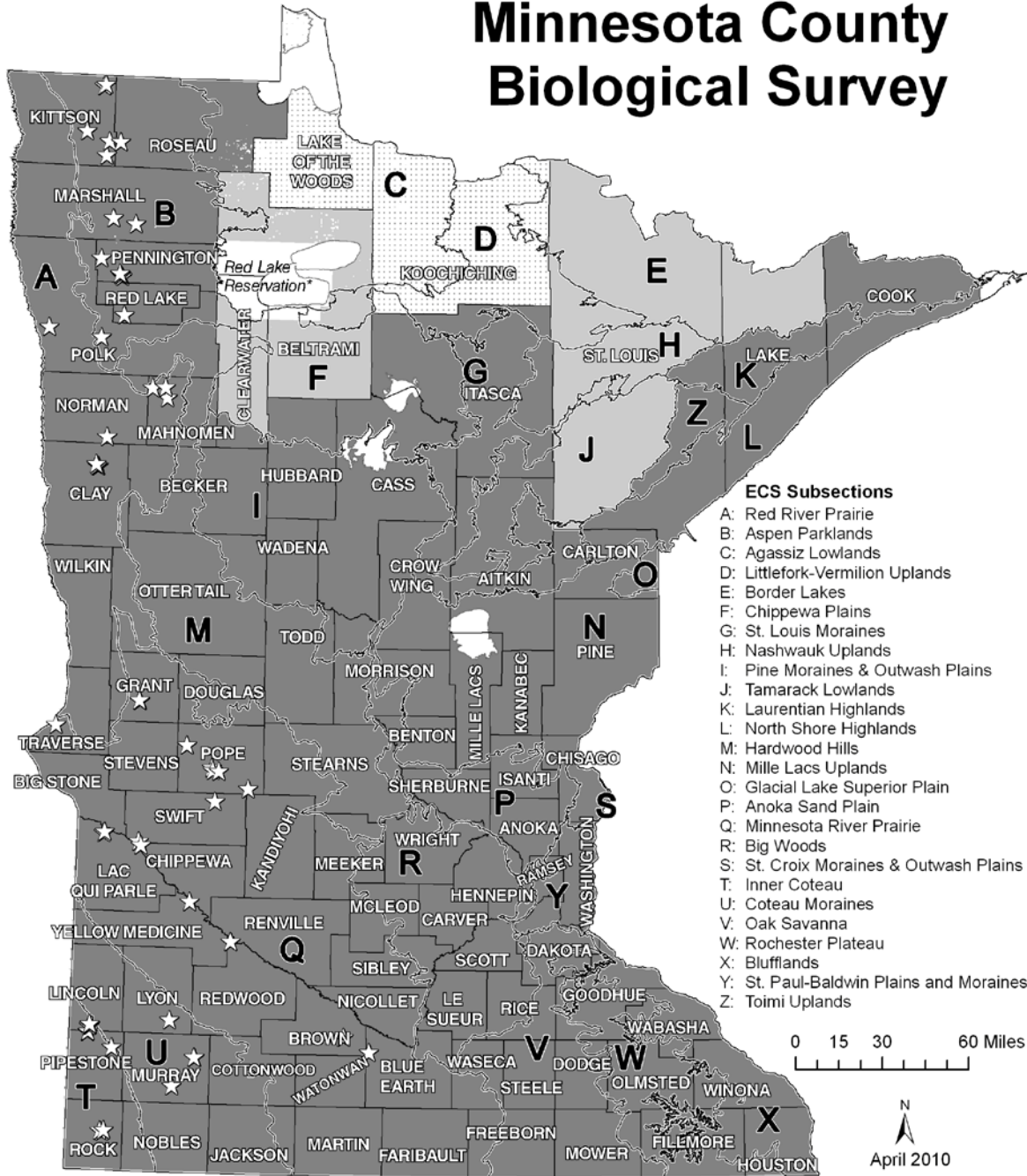
SOURCE OF FUNDS	AMOUNT	Status
Other Non-State \$ Being Applied to Project During Project Period: State Wildlife Grants (Federal funding related to the State Wildlife Action Plan)	\$700,000	<i>Pending</i>
Other State \$ Being Applied to Project During Project Period: General Fund \$670,000; Heritage Enhancement \$1,160,000 (includes funding for \$148,536 DNR estimated Department Shared Services; and estimated Division Support costs=\$198,000).	\$1,830,000	<i>Secured</i>
Recent Funding History of overall MCBS project: 1) Trust Fund 2009 = \$2,100,000; 2) Trust Fund 2008 Accelerated Prairie Management, Survey, Acquisition and Evaluation (survey and monitoring portion) = \$275,000 with \$275,000 match from State Wildlife Grant; 3) Total other funds FY2009 and FY10: General Fund = \$ 670,000; Heritage Enhancement = \$1,160,000; State Wildlife Grant = \$550,000.	\$5,030,000	

*Botanist Welby Smith is currently assigned to plant collection in the northern regions identified in the project and is writing an update to the book *Orchids of Minnesota* that includes additions of orchid species recently recorded by MCBS.

**Robert Dana and Nancy Sather are the two primary authors of the Aspen Parkland-Red River Valley natural history/guide book that is specifically identified in Result #3. In addition, Robert's professional skills in insect ecology and prairie plant ecology will be applied to the monitoring portion of this project. Fred Harris is a MCBS plant ecologist in the classified service who will continue to work exclusively on MCBS with this funding source. Derek Anderson is a plant database manager and plant ecologist who will continue his dual responsibilities focused on MCBS plant and plant community data collection and management.

***Jared Cruz, GIS specialist, will manage MCBS generated shape files of sites, native plant communities and other attributes for web delivery.

Minnesota County Biological Survey



- ECS Subsections**
- A: Red River Prairie
 - B: Aspen Parklands
 - C: Agassiz Lowlands
 - D: Littlefork-Vermilion Uplands
 - E: Border Lakes
 - F: Chippewa Plains
 - G: St. Louis Moraines
 - H: Nashwauk Uplands
 - I: Pine Moraines & Outwash Plains
 - J: Tamarack Lowlands
 - K: Laurentian Highlands
 - L: North Shore Highlands
 - M: Hardwood Hills
 - N: Mille Lacs Uplands
 - O: Glacial Lake Superior Plain
 - P: Anoka Sand Plain
 - Q: Minnesota River Prairie
 - R: Big Woods
 - S: St. Croix Moraines & Outwash Plains
 - T: Inner Coteau
 - U: Coteau Moraines
 - V: Oak Savanna
 - W: Rochester Plateau
 - X: Blufflands
 - Y: St. Paul-Baldwin Plains and Moraines
 - Z: Toimi Uplands

Survey completed 1987-2011
 Survey in progress
 Rapid assessment to begin 2011
 Prairie Monitoring in Selected Locations 2011-2012

*Survey on Red Lake Reservation pending approval by the Red Lake Tribal Council.

April 2010

LCCMR Proposal 2011-2012 Minnesota County Biological Survey

Project Manager: Carmen Converse

Affiliation: Minnesota County Biological Survey, Division of Ecological Resources
Minnesota Department of Natural Resources (DNR)

The project manager has coordinated MCBS since 1987. She prepares work plans, funding proposals, manages the budget, develops procedures and work plans, hires and supervises staff, provides direction for information management, and has oversight on technical assistance, publications, and other products related to the delivery of MCBS results. Her past work experience also includes botanical and ecological field surveys and natural area research and management.

Employment

Aug. 1993-present Natural Resources Supervisor Senior
Minnesota Department of Natural Resources. Supervisor of the Minnesota County Biological Survey (MCBS). Coordination involves the planning and implementation of a systematic survey of significant natural areas and rare biological features to include hiring and supervision of employees, and preparation of schedules, budgets, contracts and reports

Nov. 1991-Oct. 1992 Natural Resources Supervisor Senior
Minnesota Department of Natural Resources. Acting Supervisor of the Natural Heritage Program. Overall coordination of the program including the Research and Policy Unit and MCBS.

Mar.-Oct. 1991 Natural Resources Supervisor
Nov. 1992-
Minnesota Department of Natural Resources. Coordinator of MCBS. New classification July 1993 due to expansion of the Survey.

1987 -1990 Natural Resources Specialist Senior Plant Ecologist/Botanist
Minnesota Department of Natural Resources, Natural Heritage Program. Coordinator of MCBS.

1987 Natural Resource Specialist Plant Ecologist/Botanist
Minnesota Department of Natural Resources, Natural Heritage Program. Evaluated natural areas, identified rare plant locations, assisted with data management and environmental review.

Education

1970-75 UNIVERSITY OF WISCONSIN-MADISON
Bachelor of Science
Natural Resources. Majored in horticulture with emphasis in botany.

1981-82 UNIVERSITY OF MINNESOTA
Course work in library science, Spanish, statistics, and management information systems.