

This information represents contracts executed by the MPCA as of the date of this publication. The projects do not describe the split between counties involved in any project as projects are funded by watershed or areas and not by shared county boundaries. The project costs do not include the match by local entities, so they are not necessarily total project costs.

County/Watershed	Awarded Organization	Awarded Project Contact or MPCA Project Manager	Project Type	Project Summary	State Fiscal Year	CWF Awarded
Snake River	Wenck Associates, Inc.	Joe Bischoff (Wenck) 763-479-4229 jbischoff@wenck.com Chris Klucas (MPCA) 651-757-2498 christopher.klucas@state.mn.us	TMDL	This phase of the project will complete a TMDL for the impaired reaches of the Snake River Basin. The project includes development of a Unit Area Load model for nutrient sources, a spreadsheet version of a BATHTUB lake response for four lakes, and a bacteria source assessment. Contractor will also provide all stream channel data as a spreadsheet database and in GIS.	2012	\$133,904
Long Prairie River	Wenck Associates, Inc.	Joe Bischoff (Wenck) 763-479-4229 jbischoff@wenck.com Greg VanEeckhout (MPCA) 218-316-3896 greg.vaneeckhout@state.mn.us	TMDL	This project will complete a final TMDL document that will be submitted to EPA for approval. Document will include Lake Osakis, Clifford Lake, Faille Lake, and Smith Lake impairments. A final technical memorandum describing the elements of the model framework and any deviations from the recommended construction methodology will be also be provided with the submission of the watershed models.	2012	\$29,872
Statewide	Widseth Smith & Nolting	Sharon Kroening (MPCA) 651-757-2507 sharon.kroening@state.mn.us	Special	Contractor assistance with site selection, reconnaissance and obtaining access for installation of ambient groundwater monitoring wells in northcentral and northeastern Minnesota. This project will provide services and oversight of the installation for up to 31 well sites.	2012	\$177,052
Statewide	Peer Engineering	Sharon Kroening (MPCA) 651-757-2507 sharon.kroening@state.mn.us	Special	Contractor assistance with site selection, reconnaissance and obtaining access for installation of ambient groundwater monitoring wells in Ramsey county and Hennepin county. This project will provide services and oversight of the installation for up to 16 well sites.	2012	\$72,000
Statewide	United States Geological Survey (USGS)	Carol L. Sinden (MPCA) 651-757-2727 carol.sinden@state.mn.us	Monitoring	USGS will make streamflow discharge measurements at lowflow measuring stations throughout the state. Measurements will be made during lowflow conditions. On average 100 measurements will be made during FY2012. Stream flow measurements will be entered into the USGS database and made available on the USGS Low Flow Data for Minnesota Streams website.	2012/2013	\$9,496
Lake of the Woods	United States Geological Survey (USGS)	James Fallon (USGS) 763-783-3255 Cary Hernandez (MPCA) 218-846-8124	Monitoring	This project will support the operation and maintenance of a stream gage that records stage, index-velocity and water temperature at Wheeler's Point on the Rainy River. The USGS will visit the stream gage approximately every six (6) weeks to perform maintenance and, as needed, to define the range of flows that occur.	2012	\$9,420
Statewide	University of Minnesota	David J. Mulla (U of M) 612-625-6721 mulla003@umn.edu	TMDL	This project will promulgate a nitrate water quality standard to address aquatic life toxicity, and gather information needed to support the development of total nitrogen (N) loading reduction strategies for Minnesota's waters and also address Minnesota's contribution to marine water hypoxia. Project will also develop a framework for a watershed nitrogen planning aid that can be used to optimize selection of Best Management Practice (BMP) systems for reducing nitrogen.	2012	\$78,042
Statewide	United States Geological Survey (USGS)	David L. Lorenz (USGS) 763-783-5133100 Lorenz@usgs.gov	TMDL	This project will provide an interpretive assessment of nitrogen concentrations in Minnesota rivers and streams, including spatial and temporal trends based on historical data sets. The trends analyses will provide information useful for evaluating nitrogen reduction efforts in the past couple of decades.	2012	\$44,998
Long Prairie River	Douglas Soil and Water Conservation District	Emily Siira (Douglas SWCD) 218-346-3897 emily.siira@mn.nacdn.net Bonnie Finnerty 320-763-3191 bonnie.finnerty@state.mn.us	TMDL	This project will gather watershed data to support the development of a Watershed Restoration and Protection Strategy with parameter-specific targets that will maintain or improve water quality for the Long Prairie River Watershed. This project will also provide an important framework for civic and citizen engagement and communication, contributing to long-term public participation in surface water protection and restoration activities throughout the watershed.	2012	\$78,450
Nemadji River	Carlton County Soil and Water Conservation District	Kirstin Stutzman (Carlton County SWCD) 218-384-3891 Kirstin.stutzman@carltonswcd.org Stacia Grayson 218-302-6631 stacia.grayson@state.mn.us	Monitoring	This project will support Minnesota's condition monitoring strategy through the collection of water quality data on streams and rivers in the Nemadji River watershed. The Nemadji River watershed is located in southeastern Carlton County and northeastern Pine County. Water quality samples will be collected primarily during weather-related events that affect stream flow such as snowmelt and rainfalls.	2012	\$70,055
Big Fork River	Itasca County Soil and Water Conservation District	Noel Griesse (Itasca County SWCD) 218-326-0017 noel.griesse@itascaswcd.org	Monitoring	This project will collect intermediate watershed load monitoring data on the Bigfork River which is critical to the identification of stressors and assist in defining areas of concern within the Bigfork Watershed and its greater Rainy River Watershed. Itasca County SWCD will closely collaborate with Koochiching SWCD and MPCA on this project.	2012	\$25,595
Bois de Sioux, Mustinka, Buffalo, Red Lake, Red River of the North-Sandhill River, Thief River, Red River of the North-Tamarac River	International Water Institute	Danni Halvorson (IWI) 218-280-0515 danni@iwinst.org	Monitoring	International Water Institute (IWI) staff will monitor 24 sites in the Bois de Sioux, Mustinka (2 sites), Buffalo(8 sites), Red Lake(4 sites), Sandhill(3 sites), Thief(2 sites), and Tamarac River (3 sites) Watersheds intensively over a 2 year period in an attempt to collect 25 samples per year at each site. If conditions allow for the collection of all planned samples, 1200 stream samples will be collected over the time period. Monitoring will include field measurements, observations, and at least three photographs during each site visit.	2012	\$272,267

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Big Fork River, Little Fork River	Koochiching County Soil and Water Conservation District	Justin Berg (Koochiching County SWCD) 218-283-1175 justin.berg@koochichingswcd.org	Monitoring	The Koochiching County SWCD staff will collect water chemistry and field parameters at specific times to determine amount of contaminant load into each stream. These sites will coincide with locations where stream flow data is also being collected. This project will focus on watershed load monitoring in both the Big Fork and Little Fork River watersheds.	2012	\$73,777
Lake Superior, Rainy River	University of Minnesota-Duluth Natural Resources Research Institute	Richard Axler, Ph.D. U of M Duluth (NRRRI) 218-720-4316 raxler@d.umn.edu	Monitoring	This project will generate water quality data for 10 stream locations MPCA designated for their 2012 and 2013 open-water sampling seasons (8 by NRRRI-UMD and 2 via subcontract to the North St. Louis SWCD). The overall project goal is to collect event-based physical and chemical data sets for 10 agency-prioritized stream sampling sites in NE Minnesota for calculating pollutant loads and for incorporation into the overall State database for MPCA assessment purposes.	2012	\$148,869
Leech Lake River	Cass County Environmental Services Department	John Ringle (Cass County) 218-547-7241 john.ringle@co.cass.mn.us	TMDL	This project supports the planning, coordination and civic engagement/outreach components of the Leech Lake River Major Watershed project. Phase 1 will focus towards the development of project teams, identifying stakeholders, developing an initial civic engagement strategic plan and reviewing current and past watershed project data.	2012	\$30,000
Lake of the Woods	Lake of the Woods Water Sustainability Foundation	Cary Hernandez (MPCA) 218-856-8124 cary.hernandez@state.mn.us	TMDL	Co-sponsorship and assistance with a portion of the financial support for the 9th & 10th Annual International Lake of the Woods Water Quality Forum (Forum) to be held on March 7-8, 2012 and March 13-14, 2013 at the Rainy River Community College in International Falls, Minnesota. The Forum will feature the latest information on research conducted by Canadian and U.S. researchers regarding the International Lake of the Woods waters.	2012/2013	\$1,000
Lake of the Woods	Roseau Soil and Water Conservation District	Janine Lovold (Roseau SWCD) 218-547-1903 janine.lovold@mn.nacdn.net	Monitoring	The Lake of the Woods Watershed Assessment will include the waters of Warroad River and Willow Creek in Roseau County and Williams Creek and Bostic Creek in Lake of the Woods (LOW) County. This assessment project will focus on the collection of water chemistry and field parameters at the six key sites identified and modified by MPCA. One site on the Warroad River will have extra nutrient and chlorophyll analysis done. Sites are located in the lower reaches of each surface water system.	2012	\$38,934
Leech Lake River, Pine River	Cass County Environmental Services Department	John Ringle (Cass County) 218-547-7241 john.ringle@co.cass.mn.us	Monitoring	This project will include lake and stream monitoring on 23 lakes and 4 streams found within the Leech Lake River and Pine River watersheds in Cass County. The project will be conducted in an effort to gain sufficient data on these data-deficient lake and stream sites within these watersheds. All of the proposed monitoring sites are target sites located in the targeted watersheds for 2012. Cass ESD is partnering with Hubbard SWCD, the Leech Lake Band of Objibwe, and RMB Environmental Laboratories to conduct the fieldwork for this project.	2012	\$82,696
Leech Lake River, Pine River	Headwaters Science Center (HSC)	Laddie Elwell (HSC) 218-751-8632 ljelwell@paulbunyan.net	Monitoring	This project will include stream monitoring of six preselected sites from the Leech Lake Watershed (HUC 07010102) and Pine River Watershed (HUC 07010105). The sites will be monitored for chemical, physical and biological parameters for two years.	2012	\$45,229
South Fork Crow River	Crow River Organization Of Water (CROW)	Diane Sander (CROW) 763-682-1933 Ext. 112 diane.sander@mn.nacdn.net	Monitoring	This project will collect additional water quality and flow data on tributaries on the South Fork Crow River and Buffalo Creek. Further assessment of these reaches will provide a better understanding of what impacts these tributaries have on the impaired South Fork Crow River and Buffalo Creek.	2012	\$191,441
Red Lake River, Red River of the North-Grand Marais Creek	Red Lake Watershed District	Myron Jesme (Red Lake Watershed District) 218-681-5800 jesme@wiktel.com	Monitoring	A partnership of local agencies and organizations will monitor water quality at eighteen carefully chosen sites within the Red Lake River and Grand Marais Creek watersheds. Fourteen monitoring sites have been chosen within the Red Lake River watershed. Four sites have been chosen in the Grand Marais Creek watershed. Each of these sites will provide a representative assessment of the water quality conditions within one or more minor subwatersheds at the 12-digit hydrologic unit code (HUC12) level.	2012	\$86,514
Zumbro River	Zumbro Watershed Partnership	Lisa Eadens (Zumbro Watershed Partnership) 507-226-6787 admin@zumbrowatershed.org	Monitoring	The Zumbro River Watershed is a major watershed in the Lower Mississippi River basin in SE Minnesota. It includes parts of six counties, covering 910,291 acres. This project will assess all 13 stream reaches in the Zumbro River Watershed to determine if they are meeting their designated uses. The monitoring will entail collecting water chemistry and field parameters.	2012	\$76,360
Lake of the Woods	Science Museum of Minnesota-St. Croix Watershed Research Station	Mark Edlund (St. Croix Research Station) 651-433-5953 mbedlund@smm.org	TMDL	This project will directly inform the Lake of the Woods (LoW) TMDL process by identifying nutrient reduction targets, a timeline of phosphorus loadings to the lake, and measures of historical in-lake variability (e.g., nutrients, biological communities). Results will complement and build on ongoing research efforts on internal loading and sediment core analysis.	2012	\$149,996
Statewide	United States Geological Survey (USGS)	Erik Smith (USGS) 612-626-6537 Andrew Streitz (MPCA) 218-302-6617 andrew.streitz@state.mn.us	Monitoring	This project will develop a reasonable statewide estimate of recharge using the Soil-Water-Balance (SWB) Code (Westenbroek and others, 2010), validate the simulation results, and conduct a parameter sensitivity analysis to identify the most sensitive model parameters. For the purposes of this application of the SWB application, comparing the simulation results will be conducted on selected watershed basins in the state against previously established recharge estimates. Using a gridded data structure, these new temporally and spatially-distributed recharge estimates should yield better results that can be easily integrated into regional groundwater flow models.	2012/2013	\$175,771

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Crow Wing River	Emmons & Olivier Resources (EOR)	Patrick Conrad (EOR) 651-770-8448 pconrad@eorinc.com Bonnie Finnerly (MPCA) 218-316-3897 bonnie.finnerly@state.mn.us	TMDL	This first year of the project will collect available data relevant to the TMDL development, determine the data sets best suited for the TMDL development. Gain a better understanding of the watershed and impaired lakes, and assessment of all potential sources (internal and external) of the causes of lake impairment. EOR will also review the data produced by the MPCA for the impairment assessment for each of the lakes during year 1 of the project.	2012	\$15,041
Lake of the Woods	Lake of the Woods Soil and Water Conservation District	Josh Stromlund (LOW SWCD) 218-634-1945 josh_s@co.Lake-of-the-woods.mn.us Cary Hernandez (MPCA) 218-846-8124 cary.hernandez@state.mn.us	TMDL	This project will gather watershed data necessary for the development of a Watershed Restoration and Protection Strategy to maintain or improve water quality within the LoW Watershed; and establish project and sub-basin work groups and/or focus groups to guide the MWRPP process.	2012	\$237,180
Minnesota River-Yellow Medicine River	Renville County c/o Hawk Creek Watershed Project	Cory Netland (Hawk Creek Watershed) 320-523-3672 cory@hawkcreekwatershed.org Darrell Schindler (MPCA) 320-441-6968 darrell.schindler@state.mn.us	TMDL	This project will establish a framework and provide tools for local government and watershed projects to engage the public in a manner that will lead to water quality improvement through targeted and prioritized implementation of watershed management practices. The major components of the watershed approach that will be used for this project include: monitoring, gathering of watershed information, assessment of the data, develop of implementation strategies, and implementation of water quality protection and restoration activities.	2012	\$149,860
Mississippi River-Lake Pepin	Vermillion River Watershed Joint Powers Organization Fiscal Agent: Dakota County	Mark Zabel (Dakota County) 952-891-7588 mark.zabel@co.dakota.mn.us Brooke Asleson 651-757-2205 brooke.asleson@state.mn.us	TMDL	This project will consist of identifying the candidate causes of biological stress and to develop and implement a public and stakeholder participation process that encourages local ownership of water quality problems and solutions. The Stressor ID process will be done using existing data, identifying data gaps, gathering new data, developing load duration curves, and refinement of the candidate causes. The civic engagement work will include compiling and reviewing existing data on community capacity and assessing that information. A communication strategy will be developed that will focus on strengthening local capacity.	2012	\$189,170
Mississippi River-Winona	Whitewater Watershed Project Joint Powers Board	Natalie Siderius (Whitewater JPB) 507-523-3717 nsiderius@co.winona.mn.us Shaina Kesely (MPCA) 507-206-2622 shaina.kesely@state.mn.us	TMDL	This project will provide Agency staff, local partners and the citizen volunteers with a framework for building local capacity to design civic engagement and communication / outreach efforts. This will contribute to meaningful and sustained public participation in surface water protection and restoration activities throughout the watershed. MPCA staff, local partners and citizen volunteers will also be able to integrate the results of the biophysical and community assessment into strategies for improving water bodies on the MN 303d List of Impaired Waters.	2012	\$158,328
Upper Red River of the North	Buffalo-Red River Watershed District	Bruce Albright (BRRWD) 218-354-7710 brwd@bvillemn.net Jack Frederick (MPCA) 218-846-8110 john.frederick@state.mn.us	TMDL	This project will provide MPCA staff, local partners and citizen volunteers with a framework for building local capacity to design civic engagement and communication/outreach efforts that will contribute to meaningful and sustained public participation in surface water protection and restoration activities throughout the watershed. The MPCA and the watershed district will establish a coherent and thorough civic engagement process to ensure residents and stakeholders within the watershed have ample opportunities to participate in and provide input regarding the Upper Red River Watershed Restoration and Protection process.	2012/2013	\$140,173
Rapid River, Rainy River (Black River/Manitou), Big Fork River, Little Fork River	Lake of the Woods Soil and Water Conservation District	Mike Hirst (LOW SWCD) 218-634-1842 ext. 3 Mike.Hirst@mn.nacdn.net Stacia Grayson (MPCA) 218-302-6631 Stacia.Grayson@state.mn.us	Monitoring	This project involves the water quality monitoring of, and data analysis for four major watersheds (8-digit Hydrologic Unit Codes) in the Rainy River Basin. This monitoring will assist in providing the water chemistry data needed to calculate annual pollutant loads for the Major Watershed Pollutant Load Monitoring Network (MWPLMN) and provide short term data sets of select parameters to other Agency programs.	2012	\$108,044
Mississippi River (Lake Pepin), Cannon River, Zumbro River, Mississippi River (Winona), Root River, Mississippi River (La Crescent), Mississippi River (Reno)	Southeast Minnesota Water Resources Board-Winona State University	Linda Dahl (Winona State University) 507-272-7201 ldahl@winona.edu Shaina Kesely (MPCA) 507-206-2566 Shaina.kesely@state.mn.us	TMDL	This project will build network and the skill set of local resource professionals to do effective civic engagement work for water restoration and protection in Southeast Minnesota. The cohort will be administered through the Southeast Minnesota Water Resources Board (SE MN WRB) which is an area wide Joint Powers Board (JPB) established to help improve and protect the water resources of the area through coordinating local water planning efforts. This JPB has successfully administered water quality grants in the past that have positively impacted the water resources of this region.	2012	\$80,737
South Fork Crow River	Crow River Organization Of Water (CROW)	Diane Sander (CROW) 763-682-1933 Ext. 112 diane.sander@mn.nacdn.net Maggie Leach (MPCA) 218-316-3895 margaret.leach@state.mn.us	TMDL	This project activities include project planning, coordination, stream reconnaissance, and begins the effort towards civic engagement/outreach components of the South Fork Crow River Watershed project. Phase I will focus towards the development of project teams, identifying stakeholders, developing an initial civic engagement strategic plan and conducting limited lake and stream monitoring.	2012	\$80,640

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Minnesota River-Yellow Medicine River	Yellow Medicine River Watershed District	Cindy Potz (YMRWD) 507-872-6720 ymrw@centurytel.net Darrell Schindler (MPCA) 320-441-6968 darrell.schindler@state.mn.us	TMDL	This project approach will include monitoring and gathering of watershed information, assess the data, develop implementation strategies to meet standards and protect waters, implement water quality protection and restoration activities in the watershed. The goal of this project is to establish a framework, and to provide information and tools for local government and watershed organizations to engage the public in a manner that will lead to water quality improvement.	2012	\$105,121
Red River of the North-Grand Marais Creek, Red Lake River, Leech Lake River, Pine River, South Fork Crow River, Zumbro River, Lake of the Woods	Minnesota Pollution Control Agency	Glenn Skuta 651-757-2730 glenn.skuta@state.mn.us	Monitoring	This project supports monitoring and assessment activities by MPCA EAO staff and includes lab analysis, equipment, and fieldwork expenses associated with monitoring and assessment activities within the described priority watersheds. Lake Monitoring: Lakes are monitored for nutrients, clarity and other information to provide the data needed to assess the aquatic recreation use support. Biological and Water Chemistry Stream Monitoring: Monitoring to assess the conditions of streams in each watershed. Monitoring includes biological (fish and invertebrates), chemical (nutrients, sediments, etc.) and physical (habitat) measurements. Watershed Pollutant Load Monitoring Network: (Watershed-Statewide): The watershed pollutant load monitoring effort provides data on water quality conditions and trends for Minnesota's major rivers and their main tributaries. Ambient wetland monitoring: The goals of the ambient wetland monitoring effort are to assess status and trends of wetland conditions.	2012	\$5,500,000
Statewide	Minnesota Pollution Control Agency	Steve Thompson 651-757-2778 stephen.c.thompson@state.mn.us	Monitoring	This project supports monitoring and assessment activities by MPCA EAO staff and includes lab analysis, equipment, and fieldwork expenses associated with monitoring and assessment activities. The ambient groundwater monitoring network describes the current condition and trends in Minnesota's groundwater quality.	2012	\$465,000
Statewide	Minnesota Pollution Control Agency	Gaylen Reetz 651-757-2664 gaylen.reetz@state.mn.us	Technical Assistance	This project supports activities by MPCA Watershed Division staff that provide technical assistance, project oversight, coordination, outreach and other agency activities associated with assessing, listing and conducting TMDL studies throughout the State of Minnesota. Project also includes lab analysis, equipment, and fieldwork expenses associated with TMDL work at the MPCA.	2012	\$4,105,000
Statewide	Minnesota Pollution Control Agency	Gaylen Reetz 651-757-2664 gaylen.reetz@state.mn.us	Technical Assistance	The Minnesota Pollution Control Agency (MPCA) uses a watershed-oriented approach to assess surface water quality and define restoration and protection measures. Each of Minnesota's 81 major watersheds is assessed intensively every 10 years, based on a staggered schedule that addresses, on average, eight watersheds per year. To increase the amount of data directly available to the public online, and to make internal operations more efficient, the MPCA started a multi-year Watershed Data Integration Project (WDIP). More information on the project and multiple phase approach can be found at: http://www.pca.state.mn.us/wfhy1394	2012/2013	\$2,749,678
Statewide	Minnesota Pollution Control Agency	Gaylen Reetz 651-757-2664 gaylen.reetz@state.mn.us	Technical Assistance	MPCA technical assistance & guidance provided to Clean Water Partnership grant program which provides funding for grants that prevent impairments and degradation of lakes, rivers, streams and groundwater.	2012/2013	\$415,968
Two Rivers, Red River of the North-Tamarac River, Red River of the North-Grand Marais Creek, Clearwater River, Red River of the North-Sandhill River	International Water Institute	Danni Halvorson (IWI) 218-280-0515 dannihalvorson@iwinst.org Andrew Butzer (MPCA) 218-846-8138 Andrew.butzer@state.mn.us	Monitoring	This project will support water quality monitoring and data analysis in the Lower Red River Basin. The monitoring will assist in providing water chemistry data needed to calculate annual pollutant loads for the Major Watershed Load Monitoring Program (MWLMP) and provide short term data sets of select parameters to other MPCA programs.	2012	\$134,867
Two Rivers, Red River of the North-Tamarac River, Red River of the North-Grand Marais Creek, Red River of the North-Marsh, Red River of the North-Sandhill River, Clearwater River, Thief River, Roseau River, Red Lake River, Upper Red River of the North, Wild Rice River, Buffalo River, Otter Tail River, Bois De Sioux River, Mustinka River	Red River Watershed Management Board	Naomi Erickson (RRWMB) 218-844-6166 rrwmb@arvig.net Kelly O' Hara (MPCA) 651-757-2622 kelly.ohara@state.mn.us	Special	MN Legislative Clean Water Fund funding to engage citizens in local watershed monitoring, work with regional partners to promote understanding and protection of watersheds, and organize and facilitate gathering of scientific data all for the benefit of water quality in the Red River Basin. More information available at: http://www.internationalwaterinstitute.org/riverwatchmain.htm	2012	\$200,000
Mississippi River-Twin Cities	Capitol Region Watershed District	Mark Doneux Capitol Region Watershed District 651-644-8888 mark@capitolregionwd.org	TMDL	This project will compile and review previously conducted studies and will prioritize BMPs based on a cost-benefit analysis of their pollutant load reductions and life cycle costs. It will also support the design and construction of BMPs, such as rain gardens and infiltration practices, within the Villa Park subwatershed of the Lake McCarrons watershed.	2012	\$275,000
Zumbro River	Zumbro Watershed Partnership	Lisa Eadens (Zumbro Watershed Partnership) 507-226-6787 admin@zumbrowatershed.org	TMDL	This project will complete an implementation plan, as required by the MPCA, in anticipation of EPA's approval of the turbidity TMDL, and revise the Zumbro River Watershed Management Plan (completed 2007) to ensure it continues to reflect local needs, incorporates new information, and develops more effective linkages with related local, state and federal government programs.	2012	\$81,750

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Sauk River	Sauk River Watershed District	Lynn Nelson (SRWD) 320-352-2231 lynn@srwdmn.org	TMDL	This Sauk River Watershed District project will conduct the Whitney Park river clean-up, adopt a river program and other community events as part of their healthy living programs; will collaborate with the city of St. Cloud to install a rain garden demonstration site at Whitney Park; use local radio and public television stations to promote the District's "neighborhood rain garden initiative" and other incentive programs.	2012	\$65,000
Kettle River, Snake River, St. Croix River-Upper, St. Croix River-Stillwater	Kanabec Soil and Water Conservation District	Kelly Osterdyk (Kanabec SWCD) 320-679-3982 kelly.osterdyk@mn.nacdn.net	TMDL	This project will provide baseline data through water monitoring, recording and analyzing the results of six unassessed rivers/tributaries, three unassessed lakes and five storm water outlets in the city of Mora which drain to the Snake River; promote and implement approved BMP's.	2012	\$201,982
Lac qui Parle River	Lac qui Parle-Yellow Bank Watershed District	Mary Homan (Lac qui Parle-Yellow Bank Watershed District) 320-598-3319 mary.homan@lqpc.com	TMDL	This project will offer incentives to protect 80 acres of land in filter strips and highly erodible lands adjacent to the rivers; construct 9 sediment and water control basins or terraces; replace 35 open tile intakes and advocate wetland restorations and grassland easement programs; organize a Friendship Tour to bring together Minnesota farmers, county commissioners, farm organizations, local, state and federal agency personnel to experience the watershed, farming practices, discuss future project ideas and strengthen relationships; and upgrade 37 subsurface sewage treatment systems by offering landowners low interest loans for their share of construction.	2012	\$260,900
Statewide	University of Minnesota-Duluth	Dr. John Pastor (U of M-Duluth) 218-726-7001 jpastor@d.umn.edu	Monitoring	Project outcomes include results from hydroponics experiments, which will likely consist of information on the response of wild rice growth to a range of concentrations of sulfate, sulfide, and various cations. Results from these experiments will be used to help determine what additional research is needed in 2013. The MPCA will use this data to evaluate the current sulfate standard and the need, if any, for modifications to it.	2012	\$85,196
Statewide	University of Minnesota-Twin Cities	Dr. Amy Myrbo (U of M- Twin Cities) 612-626-7889 amyro@umn.edu	Monitoring	Project outcomes include data that will ultimately allow the MPCA to quantitatively compare the environmental conditions (surface water and sedimentary geochemistry) at sites that successfully support wild rice growth to sites that do not support wild rice. These data, in particular the analysis of the porewater samples obtained under this project, will be compared to the results from a separate project that will assess the growth of wild rice using hydroponic methods. Results from that comparison will be used to help determine what additional research is needed in 2013 to evaluate the current sulfate standard and the need, if any, for modifications to the standard.	2012	\$339,813
Lower St. Croix River	Chisago County	Jerry Spetzman (Chisago County) 651-213-8383 jpspetz@co.chisago.mn.us	TMDL	Chisago County will coordinate up to three community dialogue meetings to inform its water planning decisions. The goal of the meetings will be to provide safe, productive and effective venues for citizens to become authentically engaged in the water planning process. The outcome of this Civic engagement work with Chisago County and their county water planning process will be a more engaged public in the County Water Planning Process. Through the use of locally hosted and targeted meetings key local citizens will be invited to come and gather information on the County water plan, and provide their input on developing the counties priorities for water quality over the next 10 years.	2012	\$5,651
Red Lake River, Clearwater River	RESPEC	Michael Vavricka (MPCA) 218-846-8137 michael.vavricka@state.mn.us	TMDL	This project will construct three watershed framework models built using the Hydrologic Simulation Program FORTAN. These executable models will simulate hydrology at the 12-digit HUC subbasin scale. An HSPF model will be built for each of the following 8-HUC watersheds: Red Lake River (09020303) and the Clearwater River (09020305).	2012	\$67,972
Lower St. Croix River	Washington Conservation District	Jay Riggs Washington Conservation District 651-275-1136 ext: 20 jriggs@mnwcd.org	TMDL	This project addresses the identified need for an Implementation Plan that provides an overall roadmap for the effort it will take to meet the Carnelian Marine St. Croix Multi-Lakes Total Maximum Daily Load (TMDL). An Implementation Plan will be developed, with involvement of the Project Partners and stakeholder groups, that sets forth prioritized strategies for attaining the TMDL and a method for tracking the progress of those efforts. The Implementation Plan will be restoration-focused, but will include protection-oriented information/actions as well.	2012	\$14,142
Mississippi River-Twin Cities	Lower Mississippi River Watershed Management Organization (LMRWMO)	Laura Jester (LMRWMO) 651-480-7784 laura.jester@co.dakota.mn.us	TMDL	This project will complete a comprehensive study, following a rational, step-wise process of data analysis, response modeling and comparison to the water quality standards, followed by impairment diagnosis, modeling of improvement and protection options, and development of a WRAP Report and Implementation Plan for Sunfish lake, Thompson lake, Pickerel lake, and Rogers lake.	2012	\$189,999
Lake Superior South, Nemadji River, St. Louis River	South St. Louis County Soil and Water Conservation District	R.C. Boheim (SSLCSWCD) 218-723-4867 R.Boheim@southstlouisswcd.org	TMDL	This project will provide fiscal resources for South St. Louis County Soil and Water Conservation District (SSLCSWCD) to participate and lead efforts to attain geomorphic data sets, dissolved oxygen assessments, culvert inventory, and civic engagement activities in three major watersheds, Nemadji River, South Lake Superior and St. Louis River. This work is currently being worked on as a part of the MPCA's Watershed Restoration and Protection Planning efforts.	2012	\$283,224
Red River of the North-Tamercac River	Two Rivers Watershed District	Dan Money (TRWD) 218-842-3333 Daniel.Money@mn.nacdn.net	TMDL	This project will include analysis of existing and newly collected water quality data to verify the impairments on the currently listed reaches and to determine the status of the remaining river reaches as being either impaired or currently meeting standards. Stakeholder involvement and public participation will be a focus throughout the Watershed Approach Project. The project provides an opportunity to assess and leverage the capacity for the local community to engage in the process of watershed management and to adopt protection and restoration practices.	2012	\$179,348

County/Watershed	Awarded Organization	Awarded Project Contact or MPCA Project Manager	Project Type	Project Summary	State Fiscal Year	CWF Awarded
Lower St. Croix River	Chisago Soil and Water Conservation District	Graig Mell (Chisago SWCD) 651-674-2333 Craig.mell@mn.nacdn.net	TMDL	This project will support the necessary activities for improving the water quality and biological community by reducing nutrients, sediment levels and managing in-stream habitat within the Goose Creek 10-digit HUC Watershed. This restoration and protection plan will identify pollutant load reduction estimates and management strategies that will be used to obtain the TMDL goals outlined in the plan.	2012	\$196,079
Rock River, Crow Wing River, Des Moines River-Headwaters	Minnesota River Board	Dr. Shannon Fisher (MRB) 507-389-5491 shannon.fisher@mnsu.edu	TMDL	This project will support a civic engagement cohort that will be offered in southwest Minnesota to foster partnering and build capacity of local government, organizations, and residents for effective civic engagement in water protection and restoration. This project will also build networks and the skill set of local resource professionals to do effective civic engagement work for water restoration and protection. The cohort will be administered through the Minnesota River Board (MRB), established in 1995 with a goal of focusing water management efforts on the local level.	2012	\$91,691
St. Louis River, Lake Superior (South), Nemadji River	U.S. Army Corps of Engineers (USACE)	Nelson French (MPCA) 218-302-6625 nelson.french@state.mn.us	Special	This project will provide a protocol for prioritizing sites in the St. Louis Area of Concern (AOC) for restoration based on site-specific bioavailability considerations. Despite large data collection efforts focused on sediment chemistry, the extent to which sediment with moderate levels of contamination is available for uptake into biota and therefore contributing to Beneficial Use Impairments (BUI)s is still largely unknown.	2012	\$163,100
North Fork Crow River	Wenck Associates, Inc.	Joe Bischoff (Wenck Associates, Inc.) 763-479-4229 jbischoff@wenck.com Maggie Leach (MPCA) 218-316-3895 margaret.leach@state.mn.us	TMDL	This project will support TMDL allocations and source assessments for the four North Fork Crow (NFC) River tributaries. Allocations and source assessments will be summarized in standard TMDL format and included as a separate chapter in the NFC River One Watershed TMDL Report.	2012	\$4,955
Le Sueur River, Watonwan River	University of Minnesota-Twin Cities	Larry Gunderson (MPCA) 651-757-2400 Larry.gunderson@state.mn.us	TMDL	This project will develop an understanding for how sediment sources change over timescales of individual storm events as well as over the past two centuries. The results will be used by the larger Collaborative for Sediment Source Reduction (CISRR)-Blue Earth research group to establish a sediment budget for the Greater Blue Earth River Basin and understand the effectiveness of various potential mitigation strategies. In addition, these results can be used by MPCA and others to calibrate watershed sediment models	2012	\$141,439
Lower Minnesota River	Barr Engineering	Greg Wilson (Barr Engineering) 952-832-2672 gwilson@barr.com Barb Peichel (MPCA) 651-757-2646 barbara.peichel@state.mn.us	TMDL	This project will complete the final Implementation Plan, semi-annual and final reports and hold project meetings. The Implementation Plan will identify target areas and priorities for implementation strategies to improve water quality for Bluff Creek. This project will build the groundwork so Bluff Creek will meet water quality standards for aquatic life in the future.	2012	\$3,000
Mississippi River-Twin Cities	Wenck Associates, Inc.	Chris Zadak (MPCA) 651-757-2837 chris.zadak@state.mn.us	TMDL	This project will support updates to the Draft Bald Eagle Lake TMDL. The updates will address comments received during the public comment period. The comments resulted in the development of individual Wasteload Allocations for stormwater sources in the Bald Eagle Lake watershed.	2012	\$4,811
Chippewa River	Tetra Tech, Inc.	Charles Regan (MPCA) 651-757-2866 chuck.regan@state.mn.us	TMDL	This project will develop and execute three point source related scenarios for the Chippewa River watershed using an existing HSPF watershed model. This project will also support the review of the HSPF Modeling Guidance Document.	2012	\$4,999
Sauk River, Crow Wing River, South Fork Crow River	RESPEC	Charles Regan (MPCA) 651-757-2866 chuck.regan@state.mn.us	TMDL	This project will finalize HSPF watershed model construction by incorporating internal phosphorus loading in modeled lakes, run a suite of implementation scenarios and generate a GenScn project containing model output. The consultant will produce HSPF watershed models that can readily be used to provide information to support conventional parameter TMDLs. The consultant will deliver all modeling files for baseline and implementation scenarios and provide a GenScn project containing model output.	2012	\$49,996
Statewide	Aqua Terra Consultants	Charles Regan (MPCA) 651-757-2866 chuck.regan@state.mn.us	TMDL	This project will complete a guidance document for the construction of HSPF watershed models which are intended to support MPCA Watershed programmatic activities. It will also customize and populate a national HSPF parameter database with values from Minnesota HSPF model applications. This enhanced database will expedite the future construction of HSPF models as well as increase the consistency among HSPF model applications in Minnesota.	2012	\$93,802
Buffalo River	Houston Engineering	Michael Vavricka (MPCA) 218-846-8137 michael.vavricka@state.mn.us	TMDL	This project will continue to develop, and calibrate/validate the hydrology of an HSPF watershed model for the Buffalo River watershed. The consultant will add representation of point source discharges to the model. The consultant will compile flow data for the purposes of calibration and validation. An initial hydrologic calibration will be performed and submitted for approval. The consultant will produce an HSPF watershed model that can readily be used to provide information to support conventional parameter TMDLs.	2012/2013	\$70,921

County/Watershed	Awarded Organization	Awarded Project Contact or MPCA Project Manager	Project Type	Project Summary	State Fiscal Year	CWF Awarded
Thief River	Houston Engineering	Michael Vavricka (MPCA) 218-846-8137 michael.vavricka@state.mn.us	TMDL	This project will continue to develop, and calibrate/validate the hydrology of an HSPF watershed model for the Thief River watershed. The consultant will add representation of point source discharges to the model. The consultant will compile flow data for the purposes of calibration and validation. An initial hydrologic calibration will be performed and submitted for approval. The consultant will produce an HSPF watershed model that can readily be used to provide information to support conventional parameter TMDLs.	2012	\$67,996
Crow Wing River, Redeye River, Long Prairie River	Aqua Terra Consultants	Charles Regan (MPCA) 651-757-2866 chuck.regan@state.mn.us	TMDL	This project will continue HSPF watershed model construction beyond the initial framework development. The consultant will add representation of point source discharges to the model. The consultant will also compile flow data for the purposes of calibration and validation. Finally, an initial hydrologic calibration will be performed and submitted for approval.	2012/2013	\$255,218
Crow Wing River	Hubbard Soil & Water Conservation District (SWCD)	Melissa Koebemick (Hubbard SWCD) 218-732-0121 Melissa.Koebemick@mn.nacdn.net Bonnie Finnerty 218-316-3897 Bonnie.finnerty@state.mn.us	TMDL	This project covers activities necessary to complete the major watershed restoration and projection project. The major objectives this project covers include contract administration, watershed coordination, stressor ID activities, identifying priority management zones, engage watershed citizens, and the creation of watershed restoration and protection plans.	2012	\$69,990
Statewide	Kestrel Design Group, Inc.	Mike Trojan (MPCA) 651-757-2790 mike.trojan@state.mn.us	Special	This project will provide data and information that can readily be incorporated into an updated version of the Minnesota Stormwater Manual ("Manual"). The consultant will develop and submit state-of-the-art engineering and science information in a condensed summary, including color graphics and color photos suitable for a diverse audience. The Manual and associated materials, such as CAD drawings, case studies, color photos, and spreadsheets will: (a) comply with the State Accessibility Standard ; (b) provide clear and simple navigation, and (c) enable easy data downloads.	2013	\$123,210
Snake River	Wenck Associates, Inc.	Joe Bischoff (Wenck) 763-479-4229 jbischoff@wenck.com Chris Klucas (MPCA) 651-757-2498 christopher.klucas@state.mn.us	TMDL	This project will complete a TMDL for the impaired reaches of the Snake River Basin. The project includes development of a GWLF model for nutrient sources and TSS, a spreadsheet version of a BATHTUB lake response for four lakes, and a bacteria source assessment. Wenck will also provide all stream channel data as a spreadsheet database and in GIS.	2013	\$146,992
Mississippi River-Sartell, Mississippi River-St Cloud, Mississippi River-Twin Cities, North Fork Crow River, South Fork Crow River, Sauk River	Emmons & Olivier Resources (EOR)	Pat Conrad (EOR) 651-203-6007 pconrad@eorinc.com Barb Peichel (MPCA) 651-757-2646 Barbara.Peichel@state.mn.us	TMDL	This project will complete a pollutant source identification and subwatershed information report and support the development of a Draft Restoration and Protection Plan (RAPP). It will also support the development of an Implementation Plan that will identify target areas for BMP implementation for bacteria reductions. These Plans will build the groundwork so that future planning efforts can provide water quality goals and recommendations on implementation activities that will allow the Mississippi River and tributaries within the project area to meet water quality standards for aquatic recreation. Semi-annual reports and holding stakeholder meetings will also be completed during this project period.	2013	\$99,355
Statewide	LimnoTech	Chris Zadak (MPCA) 651-757-2837 chris.zadak@state.mn.us	TMDL	This project will lead to environmental improvements and preservation in the state's watersheds as it will provide a framework that will streamline the development of Watershed Reports across the state at a common scale and schedule. Additionally, MPCA staff, local partners and citizen volunteers will be able to integrate the results of these studies into watershed strategies and implementation plans. The Watershed Reports will include reduction goals, measures, and broad strategies at a watershed or local planning scale with the intent of providing clear, concise information to local governments and other stakeholders to inform implementation planning decisions. An efficient approach to the development of the Watershed Report is essential in achieving the MPCA's Strategic Objective to restore impaired waters to attain designated uses and protect those currently attaining designated uses.	2013	\$33,325
Mississippi River-Headwaters, Leech Lake River, Pine River	RESPEC	Charles Regan (MPCA) 651-757-2866 chuck.regan@state.mn.us	TMDL	This project will construct, calibrate, and validate three HSPF watershed models. The consultant will produce HSPF models that can readily be used to provide information to support conventional parameter TMDLs. The consultant will clearly demonstrate that these models generate predicted output timeseries for hydrology, sediment, nutrients, and dissolved oxygen which are consistent with available sets of observed data.	2013	\$174,954
Pine River	Cass County Environmental Services Department	John Ringle (Cass County) 218-547-7241 john.ringle@co.cass.mn.us Greg Van Eeckhout (MPCA) 218-828-6197 Greg.vaneckhout@state.mn.us	TMDL	This project will provide an important framework for civic and citizen engagement and communication, which will contribute to long-term public participation in surface water protection and restoration activities throughout the Pine River watershed. The civic engagement plans will be incorporated into the long term plans for the major watershed project.	2013	\$30,000
Lower Minnesota River, Minnesota River-Mankato, Redwood River, Cottonwood River, Watonwan River, Le Sueur River, Blue Earth River	RESPEC	Charles Regan (MPCA) 651-757-2866 chuck.regan@state.mn.us	TMDL	This project will complete spatial and temporal revisions , recalibration and validation of 7 watershed HSPF models. These fully functioning calibrated validated executable models will simulate hydrology, sediment (sand, silt, and clay), temperature, phosphorus, nitrogen, dissolved oxygen, biochemical oxygen demand, and algae at the 12-digit HUC subbasin scale (or finer).	2013	\$70,000

County/Watershed	Awarded Organization	Awarded Project Contact or MPCA Project Manager	Project Type	Project Summary	State Fiscal Year	CWF Awarded
Mississippi River (Headwaters)	Beltrami County Environmental Services (BCES)	William Patnaude (BCES) 218-333-4158 william.patnaude@co.beltrami.mn.us Phil Votruba (MPCA) 218-316-3901 phil.votruba@state.mn.us	TMDL	This Phase 1 project will support project planning, coordination and civic engagement/outreach components of the Mississippi River (Headwaters) Major Watershed project. Phase 1 of this project will focus towards the development of project teams, identifying stakeholders, developing an initial civic engagement strategic plan and reviewing current and past watershed project data.	2013	\$30,000
Mississippi River-Twin Cities	Wenck Associates, Inc.	Chris Zadak (MPCA) 651-757-2837 chris.zadak@state.mn.us	TMDL	This project will complete an EPA- and MPCA-approved TMDL Study and an MPCA-approved TMDL Implementation Plan that provide quantitative pollutant load reduction estimates and a set of pollutant reduction and watershed management strategies to achieve water quality standards for all impairments within the watershed, that are understood and adoptable by local units of government and other stakeholders.	2013	\$110,824
Lower St Croix River, Snake River, Kettle River, Uper St. Croix River	Kanabec Soil and Water Conservation District	Kelly Osterdyk (Kanabec SWCD) 320-679-3781 ext. 113 kelly.osterdyk@mn.nacdn.net	TMDL	This project will develop and organize a first- stage civic infrastructure pilot in Kanabec County, within the membership of the PICKM (Pine, Isanti, Chisago, Kanabec, and Mille-Lacs) Alliance, and with other organizations in the St. Croix Basin. The work will be grounded in the need for sustainable citizen engagement in water quality management. Civic leaders participating in this project will build their own skills for organizing people and working in partnership with Kanabec County SWCD staff and the St. Croix Basin Team to achieve water quality goals.	2013	\$31,398
Bois de Sioux River	Bois de Sioux Watershed District	Jon Roeschlein 320-563-4185 bdswd@frontiernet.net Jack Frederick 218-846-8110 John.Frederick@state.mn.us	TMDL	This project will set water quality goals for the Minnesota portions of the watershed, recommend allocations for achieving total maximum daily loads where waters do not meet Minnesota state standards and are listed as impaired, and recommend management strategies for those Minnesota waters meeting state standards. This project also recognizes that as monitoring continues in the watershed, additional impairments may be identified. Technical analyses conducted under this project will be cognizant of the potential for future listings and to the extent possible within the budget provided, work to minimize the need for significant resource expenditures in the future.	2013	\$285,000
Nemadji River	Barr Engineering	Karen Evens (MPCA) 218-302-6644 karen.evens@state.mn.us	TMDL	This project will complete a TMDL equation and report and an implementation plan for Deer Creek. The TMDL report will describe turbidity impacts to aquatic life uses of Deer Creek, correlate turbidity to other pollutants (sediment, suspended solids, etc.), describe and quantify unique turbidity/sediment stressors which include groundwater influences, legacy impacts of the watershed and stream channel, significant in-stream and near stream sources (slumps, bank erosion, etc.) and upland contributions.	2013	\$36,342
Crow Wing River	Emmons & Olivier Resources (EOR)	Bonnie Finnerty (MPCA) 218-316-3897 bonnie.finnerty@state.mn.us	TMDL	This project will develop a TMDL for all impaired lakes within the Crow Wing Watershed by furthering data collection in the watershed, analysis of data, allocation calculations, and introducing outreach and stakeholder participation activities.	2013	\$51,477
Lake Superior-North	Cook County Soil & Water Conservation District	Karen Evens (MPCA) 218-302-6644 karen.evens@state.mn.us	TMDL	Civic engagement is the primary goal of this project and will focus on 1) building knowledge about the watershed approach among Lake Superior-North watershed residents, 2) building a communication network to exchange knowledge, 3) building a sense of shared concern about watershed related issues through events, workshops, forums or other organized activities, and 4) building a trusted foundation for future water related work among a group of new collaborators.	2013	\$55,999
Lake of the Woods, Rainy River	RESPEC	Charles Regan (MPCA) 651-757-2866 chuck.regan@state.mn.us	TMDL	This project will construct, calibrate, a set of HSPF watershed models covering the entire area of the Lake of the Woods drainage, including the Rainy River watershed. The consultant will produce HSPF models that can readily be used to provide information to support conventional parameter TMDLs. The consultant will clearly demonstrate that these models generate predicted output timeseries for hydrology which are consistent with available sets of observed data.	2013	\$249,932
Lower St. Croix River	Barr Engineering	Chris Klucas (MPCA) 651-757-2498 chris.klucas@state.mn.us	TMDL	This project will complete a Watershed Restoration and Protection Plan for the Lower St. Croix River that provides quantitative pollutant load reduction estimates and a set of pollutant reduction and watershed management strategies to achieve water quality standards for all impairments within the watershed, and that are understood and adoptable by local units of government and other stakeholders.	2012	\$94,683
Statewide	Stantec Consulting Services, Inc.	Shaina Kesely (MPCA) 507-206-2622 shaina.kesely@state.mn.us	TMDL	This project will provide a shared working definition and principles for civic engagement, that enable state agencies to more effectively, strategically and collaboratively manage the social dimension of Minnesota's water resource management efforts. The agencies included in the project are BWSR, MDNR, MDA, MDH and MPCA. The consultant and project participants will develop recommendations that will better enable policy and decision makers, CWF teams, the Clean Water Council and others to make informed decisions surrounding civic engagement efforts.	2013	\$33,936
Mississippi River-Winona	Emmons & Olivier Resources (EOR)	Brian Green (MPCA) 507-206-2610 brian.green@state.mn.us	TMDL	This project will build a working watershed SWAT model that can readily be used by the MPCA to provide information to support conventional parameter TMDLs and to identify critical areas for BMP installation/evaluation that can be supported by the efforts of the local Farmer Led Council as well as other land owners within the Mississippi River-Winona watershed.	2013	\$119,888

County/Watershed	Awarded Organization	Awarded Project Contact or MPCA Project Manager	Project Type	Project Summary	State Fiscal Year	CWF Awarded
Red Lake River, Clearwater River	RESPEC	Mike Vavricka (MPCA) 218-846-8137 michael.vavricka@state.mn.us	TMDL	This project will finalize HSPF watershed model construction and complete the calibration/validation process. The consultant will add representation of point source discharges to the model. The consultant will compile flow data for the purposes of calibration and validation. An initial hydrologic calibration will be performed and submitted for approval.	2013	\$99,986
Lower St. Croix River	Washington Conservation District	Chris Klucas (MPCA) 651-757-2498 chris.klucas@state.mn.us	Monitoring	This project will collect up to one year of water quality and stream flow information on Kelle's Coulee to aid in the development of the Valley Branch Watershed District Restoration and Protection study. The information being collected by the Washington Conservation District will be used in developing the models necessary to complete the TMDL for Kelle's Coulee.	2013	\$9,244
Mississippi River-Lake Pepin	City of Inver Grove Heights	Tom Kaldunski (IGH) 651-450-2572 tkaldunski@invergroveheights.org Don Berger (MPCA) 651-757-2223 donald.berger@state.mn.us	Special	The City of Inver Grove Heights will remove PAH contaminated sediment from the 79th Street Pond. Approximately 2,300 cubic yards of sediment will be dredged and disposed of at the Pine Bend Landfill located in the City of Inver Grove Heights	2012	\$75,991
Lower Minnesota River	City of Waconia	Craig Eldred (Waconia) 952-442-4265 celdred@waconia.org Don Berger (MPCA) donald.berger@state.mn.us	Special	The City of Waconia will implement its 2012-13 Storm Pond Cleaning Project and 2012 Improvement Project which includes removal and disposal of more than 2,200 cubic yards of PAH contaminated sediment from 3 stormwater ponds. The contaminated sediment will be disposed of in the Waste Management industrial landfill located in Burnsville, MN.	2012	\$26,000
Lower St. Croix River	Chisago County Soil & Water Conservation District	Graig Mell (Chisago SWCD) 651-674-2333 Craig.mell@mn.nacdn.net	TMDL	This project will support the development of whole farm conservation plans for ten (10) agricultural producers within the Sunrise River Watershed. The conservation plans will be used by the farmer and the Chisago SWCD to develop an action plan to address the resource concerns identified as part of the AgEQA program. The overall goal of the program is to prioritize conservation practices that will improve the overall water quality of the Sunrise River.	2012	\$38,853
Zumbro River	LimnoTech	Justin Watkins (MPCA) 507-206-2621 watkins.justin@state.mn.us	TMDL	This project will construct, calibrate, and validate an HSPF watershed model for the Zumbro River watershed. The consultant will produce HSPF watershed models that can readily be used to provide information to support conventional parameter Total Maximum Daily Load (TMDLs). The consultant will clearly demonstrate that the models generate predicted output timeseries for hydrology, sediment, nutrients, and dissolved oxygen that are consistent with available sets of observed data.	2013	\$121,916
Sauk River	Wenck Associates, Inc.	Greg VanEeckhout (MPCA) 218-316-3896 greg.vaneeckhout@state.mn.us	TMDL	This project will support the completion of a final draft Total Maximum Daily Load (TMDL) document for the Osakis, Smith and Faille Lakes TMDL and the submittal to EPA for final approval.	2013	\$1,879
Mustinka River, Bois de Sioux River	Emmons & Olivier Resources (EOR)	Mike Vavricka (MPCA) 218-846-8137 michael.vavricka@state.mn.us	TMDL	This project will finalize the HSPF watershed model construction and complete the calibration/validation process. The consultant will produce an HSPF watershed model that can readily be used to provide information to support conventional parameter TMDLs. The consultant will clearly demonstrate that this model generates predicted output timeseries for hydrology, sediment, nutrients, and dissolved oxygen which are consistent with available sets of observed data.	2013	\$69,994
Buffalo River, Thief River, Bois de Sioux River, Mustinka River	Aqua Terra Consultants	Charles Regan (MPCA) 651-757-2866 chuck.regan@state.mn.us	TMDL	This project will maximize the utility and usefulness of three HSPF models that have been constructed and calibrated for hydrology. The contractor will identify and reduce parameterization errors in the following three HSPF models: 1) Buffalo River Watershed, 2) Thief River Watershed, 3) Bois de Sioux-Mustinka Watersheds. This will result, not only in a better hydrology calibration, but will also improve each of the models' ability to more accurately estimate sediment and pollutant loads and concentrations.	2013	\$36,848
Blue Earth River, Cannon River, Cedar River, Cottonwood River, Crow Wing River, Chippewa River, Des Moines River, Lac qui Parle River, LeSueur River, Pomme de Terre River, Redwood River, Rum River, Snake River, Sauk River, MN River-Yellow Medicine	St. Croix Watershed Research Station (Science Museum of MN)	Charles Regan (MPCA) 651-757-2866 chuck.regan@state.mn.us	TMDL	This project will improve our understanding of the sources of sediment (turbidity), and the processes which deliver sediment to river channels. This project will address a suite of emerging questions regarding contributions and causes of non-field sediment, thereby providing watershed managers with a better understanding of how to manage these sediment sources.	2013	\$425,000
Mississippi River-Grand Rapids	Aitkin County Soil & Water Conservation District	Janet Smude (Aitkin County SWCD) 218-927-6565 Smude.aitkinswcd@gmail.com Maggie Leach (MPCA) 218-316-3895 Margaret.leach@state.mn.us	TMDL	This project will complete a Total Maximum Daily Load Implementation Plan for the watersheds of Big Sandy and Minnewawa Lakes. This restoration plan will provide pollution reduction and watershed management strategies that are developed with input from stakeholders in the watersheds.	2013	\$4,851

County/Watershed	Awarded Organization	Awarded Project Contact or MPCA Project Manager	Project Type	Project Summary	State Fiscal Year	CWF Awarded
Cedar River	Mower County Soil and Water Conservation District	Bev Nordby (Mower SWCD) 507-434-2603 Bev.nordby@mowerswcd.org Bill Thompson (MPCA) 507-206-2627 Bill.thompson@state.mn.us	TMDL	This project will place the Cedar River watershed on a sustainable and clearly understood implementation process for comprehensive water management. All people living in the watershed and all groups operating and managing land in the watershed, are responsible stakeholders in the effort. Objectives for this phase of the project include: 1. Develop a comprehensive watershed restoration and protection strategy. 2. Continue development of a more coordinated and comprehensive citizen participation process. 3. Conduct targeted stream monitoring that will be coordinated with the USDA's Mississippi River Basin Initiative (MRBI); and 4. Incorporate agricultural BMP inventory data into the watershed modeling program.	2012	\$99,929
Statewide	United States Geological Survey (USGS)	David Lorenz (USGS) 763-783-3100 lorenz@usgs.gov Byron Adams (MPCA) 651-757-2180 byron.adams@state.mn.us	Monitoring	This project will improve water management in the State of Minnesota. The result will be a water-management tool that can be used by the Minnesota Pollution Control Agency (MPCA) to determine low flow statistics when establishing permit discharge limits and by the Minnesota Department of Natural Resources (MDNR) to help in water appropriations and permitting. This tool will also be used by watershed districts in understanding and quantifying the State's water budget, the Nature Conservancy in its Ecological Limits of Hydrologic Alteration (ELOHA) process, and the U.S. Geological Survey.	2013	\$230,300
Thief River Watershed	Houston Engineering	Stephanie Johnson (Houston) 763-493-4522 sjohnson@houstoneng.com Mike Vavricka (MPCA) 218-846-8137 michael.vavricka@state.mn.us	TMDL	This project will finalize the HSPF watershed model construction and complete the calibration/validation process. The consultant will produce an HSPF watershed model that can readily be used to provide information to support conventional parameter TMDLs.	2013	\$33,096
North Fork Crow River	Wenck Associates, Inc.	Joe Bischoff (Wenck) 763-479-4229 jbischoff@wenck.com Maggie Leach 218-316-3895 Margaret.leach@state.mn.us	TMDL	This project will support the review of all public comments submitted for the North Fork Crow River TMDL and make appropriate edits and changes to the draft TMDL based on MPCA guidance.	2013	\$4,826
South Fork Crow River	Wenck Associates, Inc.	Joe Bischoff (Wenck) 763-479-4229 jbischoff@wenck.com Maggie Leach 218-316-3895 Margaret.leach@state.mn.us	TMDL	This project will support the review of all public comments submitted for the Buffalo Creek TMDL and make appropriate edits and changes to the draft TMDL based on MPCA guidance.	2013	\$952
Mississippi River-Twin Cities	Coon Creek Watershed District	Tim Kelly (Coon Creek WD) 763-755-0975 tkelly@cooncreekwd.org Brooke Asleson (MPCA) 651-757-2205 brooke.asleson@state.mn.us	TMDL	This project will provide the MPCA, CCWD, and all other stakeholders the information and tools necessary to improve the water quality within Coon Creek Watershed District. The improvements will take place using targeted activities throughout the watershed to reduce the primary biological and chemical stressors. In turn, the reduction of these stressors will help to reduce overall loadings of sediment, turbidity, total phosphorus, and E. coli bacteria. Targeted activities will also be used to improve biota, fisheries, invertebrates, flow alteration and volume within Coon Creek and its tributaries.	2013	\$252,200
Cannon River	Cannon River Watershed Partnership	Elizabeth Croteau-Kallestad (CRWP) 507-786-3913 Beth@crwp.net	Monitoring	This project will support the monitoring of two sites on the Cannon River throughout the field seasons of 2013 and 2014 during storm events and baseflow conditions to capture 25 samples per year at each site according to the WPLMN objectives. The information gathered from these samples and site visits will be compiled for reporting purposes and for use in calculating pollutant loading using the FLUX32 model.	2013	\$32,421
Minnesota River-Yellow Medicine River	Hawk Creek Watershed Project	Heidi Rauenhorst 320-523-3666 heidi@hawkcreekwatershed.org	Monitoring	This project will monitor six sites within the Minnesota River Basin: Hawk Creek near Maynard, Hawk Creek near Granite Falls, Beaver Creek near Beaver Falls, Yellow Medicine River near Granite Falls, Yellow Medicine River near Hanley Falls, and Spring Creek near Hanley Falls. The sites will be monitored according to MPCA's Major Watershed Load Monitoring Standard Operating Procedure, which is the procedure being followed for sites currently monitored by the Hawk Creek Watershed Project (HCWP).	2013	\$99,217
Zumbro River	Zumbro Watershed Partnership Inc.	Lawrence Svien 507-226-6787 admin@zumbrowatershed.org	Monitoring	The MPCA has identified 13 stream sites in the watershed to characterize watershed water quality. This project will supplement and complement the identification of the top 50 sites in the watershed that are contributing to water impairment and also help in identification of priority watersheds in the re-write of the watershed comprehensive plan. Water samples and field measurements will be collected at each monitoring location ranging from baseline events to high flow events.	2013	\$81,122
Root River	Fillmore Soil and Water Conservation District	Donna Rasmussen 507-765-3878 donna.rasmussen@fillmoreswcd.org	Monitoring	This project will obtain spatial and long-term pollutant load information from the Root River watershed in Southeast Minnesota. To accomplish this, the Fillmore Soil and Water Conservation District (SWCD) will assist the MPCA with water quality monitoring and annual pollutant loading calculations. Approximately 25 grab samples will be collected/site/year at 5 sites within the Root River watershed (totaling 125 grab samples/year). Annual load calculations for each site will be determined using the FLUX32 model.	2013	\$92,464

County/Watershed	Awarded Organization	Awarded Project Contact or MPCA Project Manager	Project Type	Project Summary	State Fiscal Year	CWF Awarded
Cottonwood River, Minnesota River-Mankato, Redwood River	Redwood-Cottonwood Rivers Control Area – Joint Powers Board	Douglas A. Goodrich 507-637-2142 douglas.goodrich@racgroup.net	Monitoring	This project will perform water quality monitoring including sample collection, compilation and submittal of required data, information and report creation, and pollutant load calculation using FLUX32 to accomplish MPCA's WPLMN monitoring efforts in 2013 and 2014 at the seven sites in the Redwood and Cottonwood River watersheds as well as the Minnesota River site near Morton.	2013	\$138,033
St. Louis River, Lake Superior (South), Nemadji River	U.S. Environmental Protection Agency, Great Lakes Restoration Initiative (USEPA-GLRI)	Nelson French (MPCA) 218-302-6625 nelson.french@state.mn.us	Special	The St. Louis River Area of Concern (SLRAOC) conservation partners are focused on removing Beneficial Use Impairments (BUI) in the estuary and eventually delisting the SLRAOC. Cooperative efforts between multiple resource agencies and regional stakeholders have identified a host of restoration objectives, developed project support activities, and partially secured funding that includes a state commitment through the Minnesota Clean Water Fund. Continued cooperative success to remediate and restore habitat conditions within the SLRAOC for the purpose of removing BUIs and delisting the SLRAOC depends on securing non-state matching resources. This grant will support the Minnesota Pollution Control Agency (MPCA) in coordinating the SLRAOC Remedial Action Plan (RAP) through the following tasks: 1) Fish Tumor and Deformity Assessment, 2) Interagency and Leadership Group Development, 3) Sediment/Biotic Relationship Assessment in St. Louis Bay, 4) SLRAOC Data System Development, and 5) Completion of SLRAOC-wide Sediment Characterization. The Minnesota Clean Water Fund is supporting items 4 and 5 of this comprehensive package to achieve water quality improvements in the lower St. Louis River and Duluth harbor.	2013	\$221,000
Statewide	University of Minnesota-Duluth	Dr. John Pastor (U of M-Duluth) 218-726-7001 jpastor@d.umn.edu	Monitoring	The MPCA is presently undertaking a study to investigate the potential effects of elevated sulfate on the growth of wild rice. One high-priority hypothesis is that the conversion of sulfate to sulfide in anoxic subsurface sediment may harm the roots of wild rice, either directly, or indirectly. The goal of this project is to observe and develop an understanding of exposure of wild rice roots to changes in concentration of sulfide and related chemicals over time and space (depth of sediment and distance from roots).	2013	\$49,961
Lake of the Woods	RESPEC	Charles Regan (MPCA) 651-757-2866 chuck.regan@state.mn.us	TMDL	This project will construct, calibrate, and validate an HSPF watershed model for the Lake of the Woods River watershed. The consultants will produce HSPF watershed models that can readily be used to provide information to support conventional parameter TMDLs. The consultants will clearly demonstrate that the models generate predicted output time series for hydrology, sediment, nutrients, and dissolved oxygen that are consistent with available sets of observed data.	2013	\$89,967
Red River of the North-Grand Marais Creek, Sandhill River, Upper Red River of the North, Red Lake River	United States Geological Survey (USGS)	Joel Galloway (USGS) 701-250-7402 Cary Hernandez (MPCA) 218-846-8124	Monitoring	This project will collect real-time parameter data for specific conductance, water temperature, pH, dissolved oxygen, turbidity and stream flow at the United States Geological Survey (USGS) gaging stations located at Fargo, ND and Grand Forks, ND on the Red River of the North; and publish the data both on the USGS NWIS website and in the USGS Annual Report.	2012/2013	\$21,919
Statewide	United States Geological Survey (USGS)	Melinda Erickson (USGS) 763-783-3231 Sharon Kroening (MPCA) 651-757-2507	Monitoring	This project will determine the magnitude and frequency of contamination from endocrine active compounds (EAC's) and other contaminants of emerging concern in shallow groundwater in non-agricultural areas of Minnesota. EACs and other contaminants of emerging concern in this study include compounds typically found in waste water, including, pharmaceutical compounds, antibiotics, and hormones. This project supports the third phase, including laboratory analysis of samples for an additional 80 wells to be sampled by MPCA staff. Forty wells will be sampled during the 2013 field season, and 40 wells will be sampled during the 2014 field season. The USGS National Water Quality Laboratory and the Organic Geochemistry Research Laboratory will perform the laboratory analyses.	2012/2013	\$436,087
Nemadji River	Emmons & Olivier Resources (EOR)	Jason Naber 651-770-8448 jnaber@eorinc.com Karen Evens 218-302-6644 karen.evens@state.mn.us	TMDL	This project will define the major factors causing harm to fish and other river and stream life within the Nemadji watershed. Stressor identification is a formal and rigorous process to identify these factors, explain the linkages between the results of biological monitoring and water quality assessments, and organize this information into a structure of scientific evidence that supports the conclusions of the process. Stressor identification is a component of the Watershed Restoration and protection (WRAP) approach. The Nemadji watershed will be on target for completion of TMDLs and a full watershed wide (WRAP) report by 2015.	2013	\$53,465
Statewide	University of Minnesota-Twin Cities	Dr. Amy Myrbo (U of M- Twin Cities) 612-626-7889 amyro@umn.edu	Monitoring	This project will provide lab analyses and interpretation required for 2012 wild rice field survey. The 2012 lab analyses will be merged with the 2011 field survey data and determine what additional work, if any, is needed during the 2013 field season.	2013	\$49,977
Mississippi River-Twin Cities, Mississippi River (St. Cloud), Lower Minnesota River, Lower St. Croix River	Metropolitan Council-Environmental Services	Kent Johnson (Met Council) 651-602-8117 kent.johnson@metc.state.mn.us David Christopherson 651-757-2849 david.christopherson@state.mn.us	Monitoring	This project will provide condition monitoring and problem investigation monitoring at the following sites. Mississippi River: Tributaries include Bassett Creek, Cannon River, Crow River, and Minnehaha Creek. Minnesota River: Tributaries include Eagle Creek, Riley Creek, and Valley Creek tributary to the St. Croix River	2013	\$405,500

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St. Louis River, Lake Superior (South), Nemadji River	U.S. Environmental Protection Agency, Great Lakes Restoration Initiative (USEPA-GLRI)	Nelson French (MPCA) 218-302-6625 nelson.french@state.mn.us	Special	The St. Louis River Area of Concern (SLRAOC) conservation partners are focused on removing Beneficial Use Impairments (BUI) in the estuary and eventually delisting the SLRAOC. Cooperative efforts between multiple resource agencies and regional stakeholders have identified a host of restoration objectives, developed project support activities, and partially secured funding that includes a state commitment through the Minnesota Clean Water Fund. Continued cooperative success to remediate and restore habitat conditions within the SLRAOC for the purpose of removing BUIs and delisting the SLRAOC depends on securing non-state matching resources. This project will support the Minnesota Pollution Control Agency (MPCA) in coordinating the SLRAOC Remedial Action Plan (RAP) through the following tasks: 1) assessment of remedial alternatives and the development of quality assurance plans, 2) assessment of dredge materials and volumes needed for restoration, 3) development of engineering design and construction specifications for specific project sites, and 4) evaluations of pre-project ecological conditions for reference conditions and long-term monitoring design objectives. Program success will be demonstrated by evaluating BUI removal objectives in relation to delisting goals, applicability and efficiency of dredge materials, and informing the final stages of the SLRAOC Implementation Framework. The Minnesota Clean Water Fund is supporting item 4 of this comprehensive package to achieve water quality improvements in the lower St. Louis River and Duluth harbor.	2013	\$1,115,760
Chippewa River, Pomme de Terre River	Chippewa River Watershed Project	Kylene Olson (CRWP) 320-269-2139 ext. 116 kylene@chippewariver.org	Monitoring	This project will work with the MPCA to conduct watershed pollutant load monitoring at four sites in the Chippewa River watershed and one site in the neighboring Pomme de Terre River watershed. The Chippewa River Watershed Project (CRWP) team will also aid the MPCA in measuring and comparing regional differences and long-term trends in water quality. The goal is to collect quality data and complete load calculations for the five sites using the MPCA's established protocols.	2013	\$136,325
Aitkin, Beltrami, Big Stone, Carlton, Carver, Cass, Chippewa, Chisago, Clearwater, Cook, Cottonwood, Crow Wing, Dakota, Dodge, Douglas, Hubbard, Isanti, Jackson, Kandiyohi, Koochiching, Lac Qui Parle, Lake of the Woods, Lincoln, Marshall, McLeod, Morrison, Norman, Olmsted, Pennington, Pine, Pipestone, Polk, Pope, Red Lake, Roseau, Scott, Sibley, St. Louis, Stearns, Steele, Todd, Traverse, Wadena, Waseca, Washington, Wilkin, Winona and Yellow Medicine	Board of Water & Soil Resources	David Weirens (BWSR) 651-297-3432 david.weirens@state.mn.us Gretchen Sabel 651-757-2686 gretchen.sabel@state.mn.us	Special	BWSR will administer funding to eligible County projects that provide funds and other assistance to low income property owners to upgrade or replace Noncompliant Septic Systems. BWSR will also manage annual reporting completed by each County. The 48 counties awarded these funds are: Aitkin, Beltrami, Big Stone, Carlton, Carver, Cass, Chippewa, Chisago, Clearwater, Cook, Cottonwood, Crow Wing, Dakota, Dodge, Douglas, Hubbard, Isanti, Jackson, Kandiyohi, Koochiching, Lac Qui Parle, Lake of the Woods, Lincoln, Marshall, McLeod, Morrison, Norman, Olmsted, Pennington, Pine, Pipestone, Polk, Pope, Red Lake, Roseau, Scott, Sibley, St. Louis, Stearns, Steele, Todd, Traverse, Wadena, Waseca, Washington, Wilkin, Winona and Yellow Medicine. The amounts awarded ranged between \$17,000 and \$20,902 per county.	2012/2013	\$997,580
Rum River	Anoka Conservation District	Jamie Schurbon (ACD) 763-434-2030 ext.12 jamie.schurbon@anokaswcd.org Bonnie Finnerty (MPCA) 218-316-3897 Bonnie.finnerty@state.mn.us	TMDL	This project will gather watershed data necessary for the development of a Watershed Restoration and Protection Strategy with parameter-specific targets that will maintain or improve water quality in the Rum River Watershed. Local Partners will lead various portions of this project and a hired consultant will be subcontracted to write selected TMDL protection plans.	2013	\$280,000
Red River of the North-Grand Marais Creek	Red Lake Watershed District	Cory Hanson (RLWD) 218-681-5800 coreyh@wiktel.com	TMDL	This phase of the project will complete the analysis of existing and newly collected water quality data in the Red River of the North-Grand Marais Creek watershed and also verify the impairments on the currently listed reaches and determine the status of the remaining river reaches as being either impaired or currently meeting standards. Stakeholder involvement and public participation will be a primary focus throughout the project.	2013	\$123,400
North Fork Crow River, South Fork Crow River	Pioneer Sarah Creek Watershed District	Judie Anderson (PSCWMC) 763-553-1144 judie@jass.biz Barbara Peichel 651-757-2646 Barbara.peichel@state.mn.us	TMDL	This project will complete a Watershed Restoration and Protection (WRAP) Plan that includes a set of pollutant reduction and watershed management strategies to achieve water quality standards for the listed pollutants, and that are understood and adoptable by local units of government and other stakeholders. This project will also provide an important water quality framework for civic and citizen engagement and communication, which will contribute to long-term public participation in surface water protection and restoration activities throughout the watershed. The Pioneer Sarah Watershed Management Commission and its staff will lead this project, including organizing and sponsoring civic engagement activities and stakeholder meetings, coordinating the work of the technical team, and acting as an advocate of the project before the various communities involved.	2013	\$103,415

County/Watershed	Awarded Organization	Awarded Project Contact or MPCA Project Manager	Project Type	Project Summary	State Fiscal Year	CWF Awarded
Statewide	Tech Sales Company	Paul Schreiber (MPCA) 218-316-3907 paul.schreiber@state.mn.us	Monitoring	This project will train MPCA field staff in the proper calibration, deployment, maintenance and storage of water quality collection Sondes. Training event will cover general sonde overview, sonde maintenance, calibration procedure, short-term storage, long-term storage and 650MDS overview.	2013	\$1,950
Lake Superior-North, Two Rivers, Sanke River, Mississippi River-Headwaters, Rum River, Minnesota River-Mankato, Watonwan River, Winnebago River	Minnesota Pollution Control Agency	Glenn Skuta 651-757-2730 glenn.skuta@state.mn.us	Monitoring	This project supports monitoring and assessment activities by MPCA EAO staff and includes lab analysis, equipment, and fieldwork expenses associated with monitoring and assessment activities within the described priority watersheds. Lake Monitoring: Lakes are monitored for nutrients, clarity and other information to provide the data needed to assess the aquatic recreation use support. Biological and Water Chemistry Stream Monitoring: Monitoring to assess the conditions of streams in each watershed. Monitoring includes biological (fish and invertebrates), chemical (nutrients, sediments, etc.) and physical (habitat) measurements. Watershed Pollutant Load Monitoring Network: (Watershed-Statewide): The watershed pollutant load monitoring effort provides data on water quality conditions and trends for Minnesota's major rivers and their main tributaries. Ambient wetland monitoring: The goals of the ambient wetland monitoring effort are to assess status and trends of wetland conditions.	2013	\$5,265,335
Statewide	Minnesota Pollution Control Agency	Gaylen Reetz 651-757-2664 gaylen.reetz@state.mn.us	Technical Assistance	This project supports activities by MPCA Watershed Division staff that provide technical assistance, project oversight, coordination, outreach and other agency activities associated with assessing, listing and conducting TMDL studies throughout the State of Minnesota. Project also includes lab analysis, equipment, and fieldwork expenses associated with TMDL work at the MPCA.	2013	\$3,808,600