Annual Report on Clean Water Fund Appropriations

Minnesota Board of Water and Soil Resources

Annual Report to the Legislature

March 1, 2011

Legislative Charge:

Minnesota Session Laws 2009 Chapter 172 Article 2, Section 6(h) and Section 6, which read:

> ... The board, the commissioner of natural resources and the commissioner of the Pollution Control Agency to the legislature detailing the recipients and projects funded under this section; the anticipated water quality benefits of projects funded; the relationship of restoration projects to TMDL load allocations; the relationship of protection projects to monitored water quality trends; and individual county and aggregated statewide progress in: (1) identifying noncompliant SSTS, establishing maintenance oversight systems, and SSTS upgrades funded under this section; and (2) identifying and upgrading open lot feedlots under 300 animal units in shoreland.
>
> The board shall submit a report on the expenditure and use of money appropriated under this section to the chairs of the House of Representatives and senate committees with jurisdiction over environment and natural resources and environment and natural resources finance by March 1 of each year. The report must provide detail on: the expenditure of funds, including maps; the effectiveness of the expenditures in protecting, enhancing, and restoring water quality in lakes, rivers, and streams and protecting groundwater from degradation; and the effectiveness of the expenditures in keeping water on the land.

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This report is available at **www.bwsr.state.mn.us/cleanwaterfund** and available in alternative formats upon request.

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Introduction

The Minnesota Board of Water and Soil Resources (BWSR) is the state's soil and water conservation agency. BWSR administers programs in partnership with local organizations and private landowners that prevent sediment and nutrients from entering our lakes, rivers, and streams; enhance fish and wildlife habitat; and protect groundwater and wetlands.

This report outlines the comprehensive strategy used to implement the Fiscal Year (FY) 2011 appropriation to BWSR from the Clean Water Fund -- one of four funds established through the Clean Water, Land and Legacy constitutional amendment approved by voters in 2008. The amendment increases the sales tax by 3/8 of 1 percent and dedicates the revenue to preserving and protecting fish and wildlife habitat, clean water, parks and trails, and arts and cultural heritage.

The Clean Water Fund comprises 33 percent of the tax dollars collected from this amendment. Other funds through this amendment are the Outdoor Heritage Fund (33 percent), Parks and Trails Fund (14.25 percent), and Arts and Cultural Heritage Fund (19.75 percent).

Clean Water Fund Appropriation Summary

During the 2009 Legislative Session, $18,705,000 in FY 2010 and $20,655,000 in FY 2011 was appropriated to BWSR from the Clean Water Fund to implement nonpoint source pollution reduction programs. During the 2010 Legislative session, an additional $1,100,000 was appropriated to three specific funding categories. Table 1 summarizes the programs and funding allocated under the appropriation.

Reporting requirements and accountability

BWSR has distributed approximately $24 million in Fiscal Years 2010 and 2011 through a competitive grant process. Each grant applicant must meet various reporting requirements to demonstrate the effectiveness of these expenditures. These requirements are found in Minnesota Session Laws 2009 Chapter 172 Article 5, Section 7, Subdivision 4. Expenditures; Accountability and Minnesota Session Laws 2009 Chapter 172 Article 5, Section 7, Subdivision 5. Data Availability.

BWSR has also allocated $3.69 million for permanent conservation easement projects to establish buffer strips adjacent to public waters, and is in the process of allocating $1.43 million for conservation easements in wellhead protection areas. BWSR partners with Soil and Water Conservation Districts (SWCDs) to implement these conservation easement programs.

Projects paid for through the Clean Water Fund grants are scheduled to be completed during calendar years 2010-2012. Conservation easement projects may take up to three years to be completed.

Additionally, BWSR is overseeing $1,500,000 in direct appropriations to the Anoka Conservation District and to Hennepin County, along with $1,000,000 to the Minnesota Conservation Corp.

Because the specific conservation benefits are not reported until project implementation is complete and the accumulated improvements may not result in measurable water quality benefits for some time, this report will

focus on the process for awarding grants, the criteria that applicants were required to submit, and intermediate outcomes where applicable.

Representatives from the Minnesota state agencies receiving funding through the Clean Water Fund, including the Board of Water and Soil Resources, Department of Natural Resources and the Minnesota Pollution Control Agency, are collaborating on the Clean Water Legacy Effectiveness Tracking Project. The Project's goal is to develop a multi-agency clean water effectiveness tracking framework that will help clarify the connections between funds invested, actions taken, and clean water outcomes achieved.

Table 1: Summary of FY 2010 & 2011 Clean Water Fund Appropriation to BWSR

Program	Allocation FY10	Allocation FY 11	Description
Riparian buffer conservation easements	$3.25M	$3.69M**	Purchase and restore permanent conservation easements on riparian lands adjacent to public waters, except wetlands. Establish buffers of native vegetation that must be at least 50 feet where possible and no more than 100 feet.
Wellhead protection conservation easements	$1.0M	$1.43M**	Permanent Conservation Easements on wellhead protection areas under MS 103F.515 Subd. 2, paragraph (d). Must be in drinking water supply management areas designated as high or very high by the Commissioner of Health.
Runoff Reduction*	$2.8M	$3.39**	Grants to Watershed Districts (WDs) and Water Management Organizations (WMOs) for: 1) structural or vegetative practices that reduce storm water runoff from developed or disturbed lands or 2) to leverage federal funds for restoration, protection or enhancement of water quality in surface waters and to protect groundwater.
Clean Water Assistance*	$3.0M	$3.0M	Grants to WDs, WMOs, Counties and Soil and Water Conservation Districts (SWCDs) to keep water on the land and to protect, enhance, and restore water quality in lakes, rivers and streams and to protect groundwater and drinking water.
Shoreland Improvement*	$1.5M	$1.5M	Grants to be used to implement streambank, stream channel and shoreline protection and restoration grants for water quality.
Feedlot Water Quality Improvement Grants*	$2.0M	$2.0M	For feedlots under 300 animal units on riparian land, to include water quality assessment to determine the effectiveness in protecting, enhancing and restoring water quality in lakes, rivers and streams and in protecting groundwater from degradation.
Technical Assistance and Engineering	$1.25M	$1.5M	Targeted nonpoint restoration technical assistance and engineering that will be used to provide non-federal match for federal funds.
Subsurface Sewage Treatment System (SSTS) Program Enhancement*	$1.6M	$1.9 M	Grants to counties to implement SSTS programs including inventories, enforcement, development of databases, and systems to insure SSTS maintenance and of reporting program results to BWSR and MPCA and base grants.
Imminent health threat systems*	$0.8M	$1.0M	Grants to address imminent health threat and failing SSTS.
Conservation drainage*	$0.33M	$0.33M	Technical assistance and grants to establish conservation drainage program in consultation with the Drainage Work Group. Program consists of projects to retrofit existing drainage systems with water quality practices, evaluate outcomes, and provide outreach. ($200,000 is available for grants.)
Anoka Conservation District	$0.4M	$0.6M	For 7-county metropolitan landscape restoration program for water quality and improvement projects.
Hennepin County	$0.5M	-	Grant for riparian restoration and stream bank stabilization in the 10 primary stream systems in Hennepin County. County will work with WDs and WMOs to identify and prioritize projects. To the extent possible, county shall employ youth through Minnesota Conservation Corp and Tree Trust. Must be matched by non-state sources, including in-kind contributions.
Oversight, support, accountability reporting	$0.275M	$0.315M	To provide state oversight of local government units that have received Clean Water Fund grants so that they comply with accountability reporting, and to prepare an annual report detailing recipients and projects funded, anticipated water quality benefits, and other outcomes.

** Competitive grant process* ***Received additional funding during the 2010 Legislative Session*

Clean Water Fund Conservation Easement Programs

The board adopted policy on Oct. 28, 2009 to establish payment rates and eligibility criteria for both easement programs that received Clean Water Fund appropriations, found in Minnesota Laws 2009, Chapter 172, Article 2. BWSR staff provided guidance to Soil and Water Conservation District (SWCD) staff statewide, and the SWCDs promoted the programs to landowners in their area.

Riparian Buffer Easement Program

BWSR received $3.25 million in Fiscal Year 2010 and $3.69 million in Fiscal Year 2011 to acquire permanent Reinvest In Minnesota (RIM) Reserve conservation easements on riparian lands adjacent to public waters, except wetlands. Up to 5 percent could be used to administer the program. Lands that were targeted were new or existing USDA Conservation Reserve Program (CRP) contracts with cropping history. Participating landowners receive a payment to retire land in agricultural production, and to establish permanent buffers of native vegetation that must be at least 50 feet where possible and no more than 100 feet. A continuous statewide signup began Dec. 1, 2009. All funds available for Fiscal Year 2010 – FY 2011 were allocated by Feb. 1, 2010 (see Table 2).

Outcomes and Effectiveness

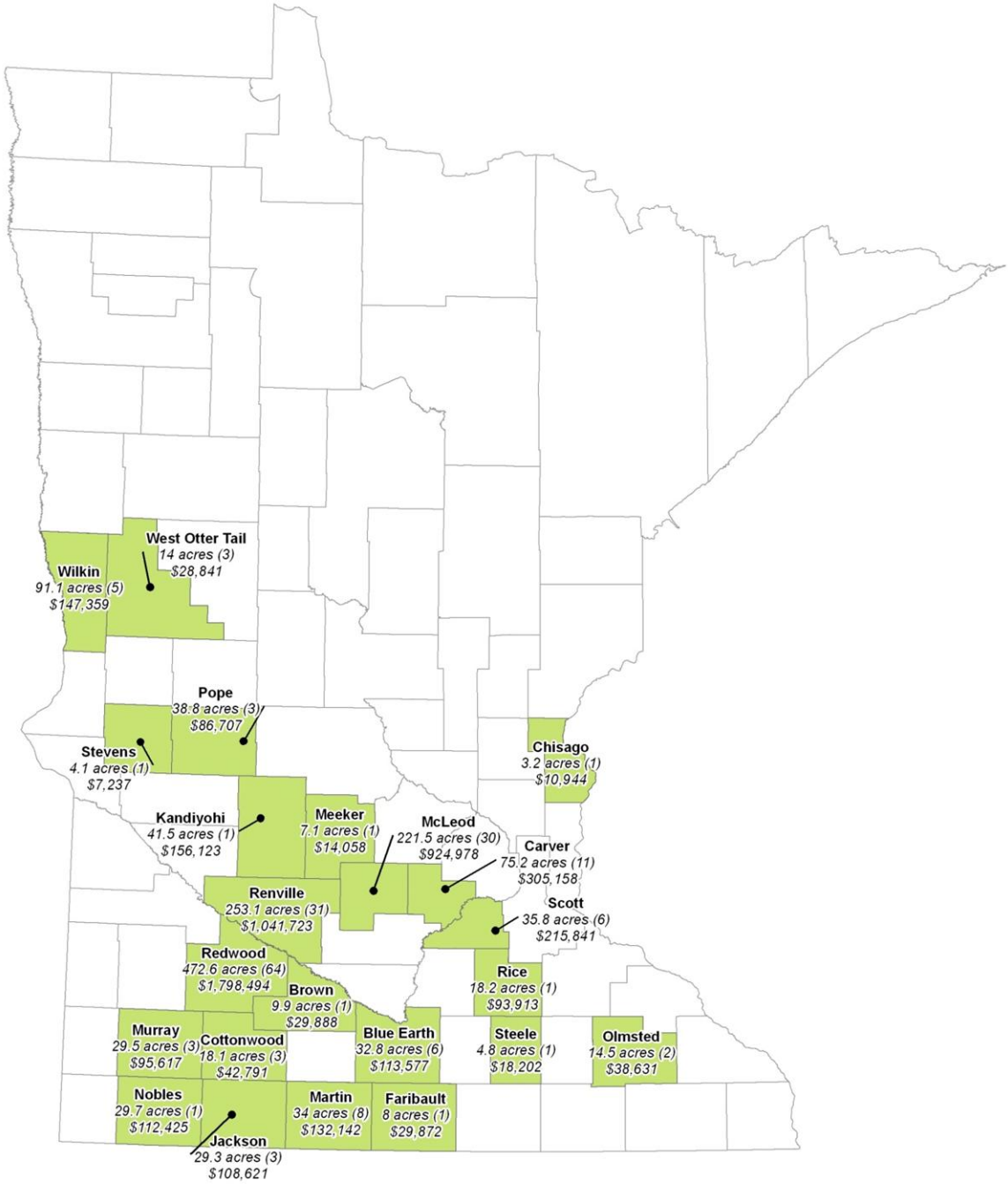
Buffer strips of native vegetation will be established on the above easement acres, all of which are adjacent to public waters. The program was targeted to critical CRP acres, so that these areas would be permanently protected instead of enrolled in short-term easements. BWSR and SWCDs worked with private landowners to enroll 187 easements that will permanently protect more than 1,486 acres in 23 counties.

Table 2: Clean Water Fund FY10 and 11 Riparian Buffer Easements Enrolled

SWCD	Easement Count	Easement Acres	Donated Acres	Easement Payments	Practice Payments	Total Payments
Blue Earth	6	32.8	1	113,577	*	113,577
Brown	1	9.9	0	29,888	*	29,888
Carver	11	75.2	0	305,158	*	305,158
Chisago	1	3.2	0	10,944	*	10,944
Cottonwood	3	18.1	3.1	42,791	*	42,791
Faribault	1	8.0	0	29,872	*	29,872
Jackson	3	29.3	0	108,621	*	108,621
Kandiyohi	1	41.5	0	156,123	*	156,123
Martin	8	34.0	0	132,142	*	132,142
McLeod	30	221.5	0	924,978	*	924,978
Meeker	1	7.1	1.5	14,058	*	14,058
Murray	3	29.5	0	95,617	*	95,617
Nobles	1	29.7	0	112,425	*	112,425
Olmsted	2	14.5	1.2	38,631	*	38,631
Otter Tail West	3	14	0	28,841	*	28,841
Pope	3	38.8	0	86,707	*	86,707
Redwood	64	472.6	0	1,798,494	*	1,798,494
Renville	31	253.1	0	1,041,723	*	1,041,723
Rice	1	18.2	0	93,913	*	93,913
Scott	6	35.8	0	215,841	*	215,841
Steele	1	4.8	0	18,202	*	18,202
Stevens	1	4.1	0	7,237	*	7,237
Wilkin	5	91.1	0.7	147,359	*	147,359
Subtotals	187	1,486.80	7.5	$5,641,946		$5,641,946
RIM Services	$2,000/easement					$374,000
***Practice payments are to be determined upon project completion**					**TOTAL**	**$6,015,946**

2011 Clean Water Fund

RIM Reserve Riparian Buffer



Wellhead Protection Conservation Easement Program

BWSR received $1 million for FY 2010 and $1.3 million for FY 2011 for this program, which is focused on converting agricultural land to grasslands and wetlands in areas where the vulnerability of the drinking water supply management area, as defined by Minnesota Rules, part 4720.5100, subpart 13, is designated as high or very high by the Minnesota Department of Health (MDH). An easement must enroll a majority (at least 51 percent) of the land in such an area.

Lands that were targeted were new or existing USDA Conservation Reserve Program (CRP) contracts with cropping history. The easements funded under this section are permanent, whereas CRP easements are for 10-15 years. Participating landowners receive a payment to permanently retire land in agricultural production, and to establish buffers of native vegetation.

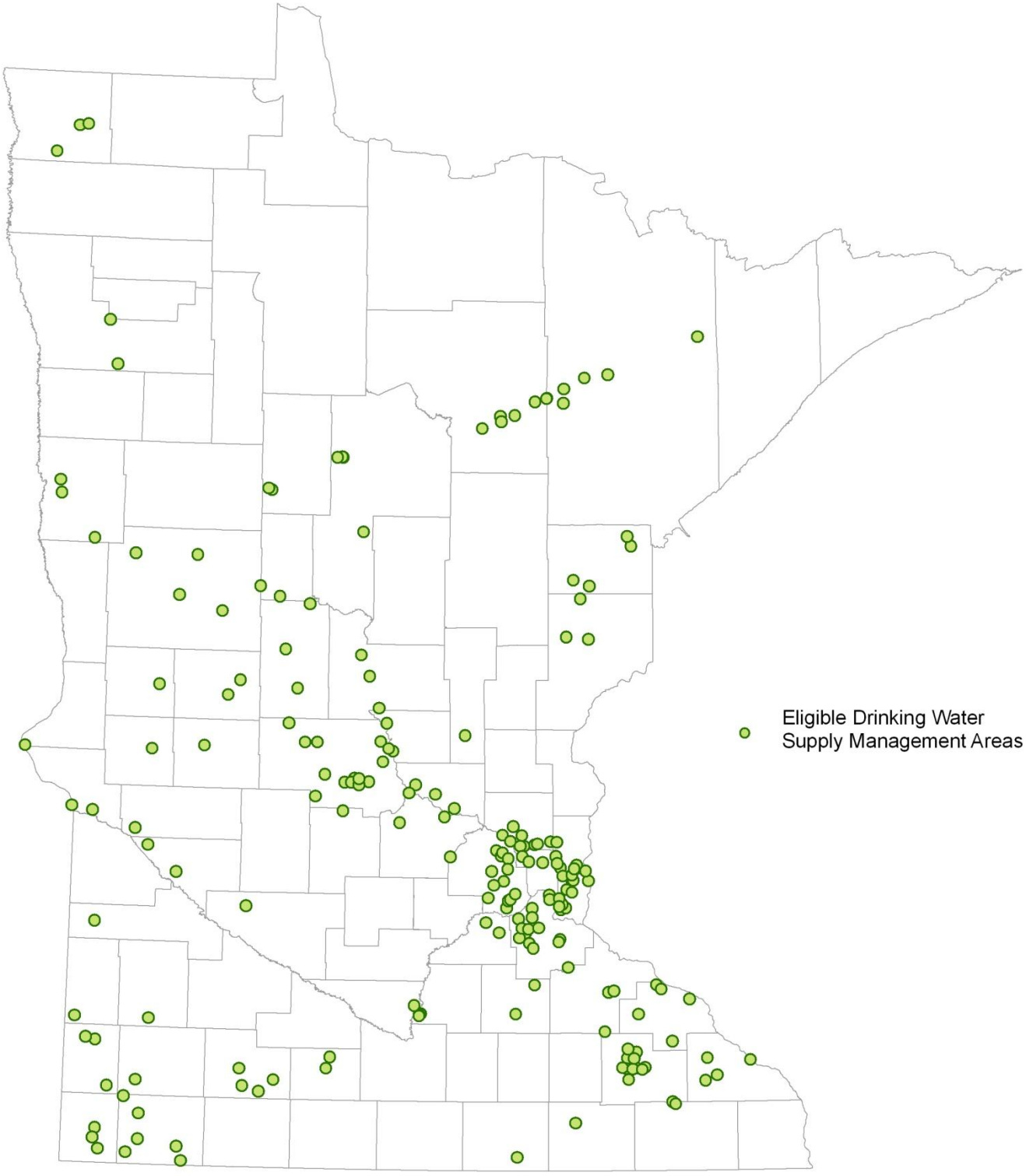
MDH, in consultation with the Minnesota Department of Agriculture, provided BWSR with a list of the most vulnerable wellhead protection areas. SWCDs in those areas are promoting this easement option directly to eligible landowners. As of January 2011, two easements in Rock County have been acquired under this program that will protect 101.4 acres. Easement payments for these two projects are $440,843.

Anticipated benefits of wellhead protection conservation easements

Restoring wetlands and grasslands within wellhead protection areas improves water quality by providing a greater distance between drinking water sources and agricultural chemical use. Changing land use from agricultural production to restored grasslands and wetlands has produced dramatic, measurable improvements in water quality. According to MDH, the city of Edgerton experienced a 50 percent reduction in the nitrate levels of its drinking water after landowners enrolled 60 acres of land in the city's wellhead protection area into CRP (Source: "The Protector, Newsletter for Minnesota's Source Water Protection Program," Volume 12, Summer 2004). Because these easements are permanent as opposed to the short-term CRP easements, the protection of these environmentally sensitive lands will stay secure.

2011 Clean Water Fund

Target Wellhead Protection Areas



Clean Water Fund Competitive Grant Program

In Fiscal Year 2011, with the exception of Feedlot Water Quality and SSTS Imminent Health Threat funds, BWSR administered a Competitive Grant Program to distribute available funds for programs indicated in Table 1. BWSR's funding authority for water management is derived from M.S. 103B.3369. Local government units (LGU) with state approved and locally adopted comprehensive local water management plans are eligible for financial assistance. The Competitive Grant Program also incorporated requirements of M.S. 114D.20, which directs the implementation of Clean Water Funds to be coordinated with existing authorities and program infrastructure. Those requirements are referenced in the Clean Water Fund Grants Policy adopted by the Board (http://www.bwsr.state.mn.us/grants/2011_BWSR_CW_Funds_Policy.pdf) . Funding decisions were based on the best available scientific information, and the grants were directed to areas where clean water protection and restoration work is most needed and most effective. The Board approved this strategy on June 23, 2010.

The FY 2011 Competitive Grant application was open from August 4 through September 15. BWSR staff notified all eligible local government units of the application via email on June 30, July 30 and August 4, 2010. BWSR staff conducted nine information sessions across the state and on-line to review the grant programs. These sessions were held on July 26, 28, 29, 30 and August 3, 4, 5,11,17,18, of 2010. In addition, a Frequently Asked Question document was created and posted on the BWSR website to provide updated information to all applicants.

Local government units throughout the state submitted 159 applications for these competitive grants, and the total amount requested was more than $28 million. BWSR staff initially reviewed and assessed applications. This assessment resulted in the separation of applications into high – medium –low groupings using the criteria for evaluation identified in the Clean Water Fund Request for Proposals. Applications identified as high and medium were then scored by an interagency team consisting of staff from the Minnesota Department of Agriculture (MDA), the Department of Natural Resources (DNR), the Pollution Control Agency (MPCA), the Department of Health (MDH), and BWSR based on the following criteria (Table 3):

Table 3: BWSR Competitive Clean Water Fund Grant Ranking Criteria	Maximum Points Possible
The proposed project demonstrates a high potential of long-term success based on project organization and management structure, partner support and public involvement within the project area.	15
The outcomes expected upon completion of the project initiatives on the water resources are identified, including a description of the resulting primary and secondary public benefits such as pollution reduction, or groundwater or drinking water protection, hydrologic restoration, or aquatic habitat improvement.	30
The application has a set of specific initiatives that can be implemented soon after grant award.	15
The proposal is based on priority protection or restoration actions listed in or derived from an approved Comprehensive Local Water Management Plan or approved TMDL Implementation plan.	30
Proposed activities have the goal of protecting groundwater or drinking water.	10
Total	**100**

All scores were combined and averaged to produce a numerical order of projects. Projects were funded based on their rank order and eligible grant category until available funds were expended. Ranked applications that targeted specific water resources or priority conservation practices but did not identify precise locations for installation of those practices received a maximum of 50 percent of requested funding to begin implementation and development of more specific project lists for future applications. Table 4 shows the breakdown of applications and funds awarded per grant program.

The BWSR Senior Management Team reviewed the recommendation provided by the interagency and BWSR staff teams on November 9, 2010. The BWSR Grants Program and Policy Committee reviewed the funding recommendation on November 17, 2010.

Table 4: Clean Water Fund Applications Funded per Grant Program

Grant Program	Applications Funded		Total Funds Awarded	
	FY10	FY11	FY10	FY11
Runoff Reduction	12	17	$2,459,675	$3,147,800
Clean Water Assistance	22	26	$2,650,000	$3,228,286
Shoreland Improvement	8	13	$1,399,582	$1,325,417
Imminent Health Threat Abatement	10	21	$775,777	$971,223
SSTS Program Enhancement	14	7	$860,000	$370,573
Conservation Drainage	5	3	$200,000	$313,500
Feedlot Water Quality Improvement	13	14	$1,143,624	$2,436,888
Technical assistance and engineering	9	12	$921,814	$1,645,187

Feedlot Water Quality and SSTS Imminent Health Threat Grant Program

In Fiscal Year 2011, BWSR administered the Imminent Health Threat SSTS Abatement and Feedlot Water Quality funds separately from the competitive grant process. The amount available for Feedlot Water Quality Management projects included $ 765,000 from the FY 2010 appropriation that was not requested during the FY10 Competitive Grant process. For these two funds, BWSR administered a signup grant program in which eligible projects identified specific locations, identified pollutant problems, and remediation activities could proceed quickly. Eligible projects received funding until the funds were depleted if the specific criteria were met. Table 5 shows eligibility and funding priorities for these programs. The application period for both grant programs was from July 1-August 15, 2010 and for Feedlot Water Quality Grants from August 16-September 30, 2010. The BWSR Senior Management Team reviewed the Feedlot Water Quality Improvement and SSTS Imminent Health Threat Grant program recommendations on May 26, 2010. The Grants Program and Policy Committee reviewed the programs proposals developed by staff on June 8, 2010. The Board approved the final funding recommendations for the FY2011 Feedlot Water Quality and SSTS Imminent Health Threat Grants at the June 23, 2010 meeting.

Table 5: Funding Eligibility Requirements and Priorities for the Feedlot Water Quality and SSTS Imminent Health Threat Grant Program

Feedlot Water Quality Improvement Eligibility Requirements	Feedlot Water Quality Improvement Funding Priorities
Less than 300 animal units	Feedlots having an Open Lot Agreement
Located in an impaired watershed or on riparian land	The date applications were received
MinnFARM rating of 1 or more Provide 25% of the project cost Have a specific project location identified	Projects that are for feedlots having a Livestock Environmental Quality Assurance (LEQA) or other sanctioned stewardship plan
SSTS Imminent Health Threat Eligibility Requirements	**SSTS Imminent Health Threat Funding Priorities**
Be identified as imminent health threat or failing	The date applications were received
Project owners must meet low income thresholds	SSTSs identified as an imminent health threat and were identified via an inventory
Have a specific project location identified	SSTSs identified as an imminent health threat and were not identified via an inventory
	SSTSs identified as failing
	Availability and applicability of other sources of funding

Shifting FY2011 Allocations

After the application periods for the Feedlot Water Quality, Imminent Health Threat Abatement grants and the Competitive Grants, $267,027 of Feedlot Water Quality Grant funds and $697,253 of SSTS Program Enhancement Grant funds remained unallocated. BWSR has authority under Laws of Minnesota 2009, Chapter 172, Section 6 to shift funds to "leverage federal or other non-state funds or to address oversight responsibilities or high priority needs identified in local water management plans." There were $385,994 in eligible applications received during the SSTS Imminent Health Threat Abatement sign-up period in August that

were not funded due to insufficient funds; and, there were eligible applications received under the CWF Competitive Grants Program during September that were not funded due to insufficient funds. BWSR Senior Management Team met on November 9, 2010 and the Grants Program and Policy Committee met on November 17, 2010 to review options for utilizing the funds remaining in the two specific categories from the FY 2011 appropriation. The Grants Program and Policy Committee recommended to the full BWSR Board that $385,994 in BWSR SSTS Inventory and Program Enhancement Grant Program funds be shifted to those eligible applications received during the SSTS Imminent Health Threat Abatement Sign-up period and, the remaining $267,027 in CWF Feedlot Water Quality funds and $311,259 of BWSR CWF SSTS Program Enhancement funds be shifted to eligible, ranked applications received during the CWF competitive application period.

Outcomes and effectiveness

The Board approved the final funding recommendations for the FY2011 Clean Water Fund Competitive Grants on December 15, 2010. Of the 159 applications received, 56 were recommended for funding. All applicants have been notified and grant agreements are being developed and finalized. Detailed work plans that become a component of the grant agreement will be developed by successful applicants in conjunction with BWSR staff. The Board specified a deadline for completion and approval of the work plans of March 31, 2011. Once work plans are approved and the grant agreements executed, projects will begin implementation in the spring of 2011.

Maps detailing FY 2011 project locations and some project examples are shown below. More detail regarding FY 2011 projects can be found in Appendix A. For maps detailing FY 2010 projects, go to: http://www.bwsr.state.mn.us/cleanwaterfund/Annual_Report-FY2010.pdf. and http://www.bwsr.state.mn.us/cleanwaterfund/stories/ .

BWSR required grant applicants to estimate anticipated intermediate outcomes for proposed projects during the application process. Applicants used pollution reduction calculators, such as the Revised Universal Soil Loss Equation (RUSLE and RUSLE2), and similar tools for measuring effectiveness of keeping water runoff on the land through infiltration, diversion or collection (Appendix B). In FY 2010 and FY 2011, 98 grant applications have been funded through the BWSR Competitive Grant process. 26 are for water bodies listed as impaired that have a completed Total Maximum Daily Load study (TMDL); 47 are for water bodies listed as impaired that have not completed a TMDL (32 of the 47 do have a TMDL study in progress); 25 are for water quality protection for water bodies that are not listed as impaired and are currently meeting state water quality standards.

For specific project outcomes for SSTS Abatement and Feedlot Water Quality Management Grants, the Legislature required BWSR to compare the aggregated number of specific BMPs installed with Clean Water Fund grant dollars to the estimated number of projects to be addressed state-wide. For the abatement of imminent health threat SSTS's in Minnesota, the Minnesota Pollution Control Agency (MPCA), in their 2009 SSTS Annual Legislative Report, developed the following state-wide estimate:

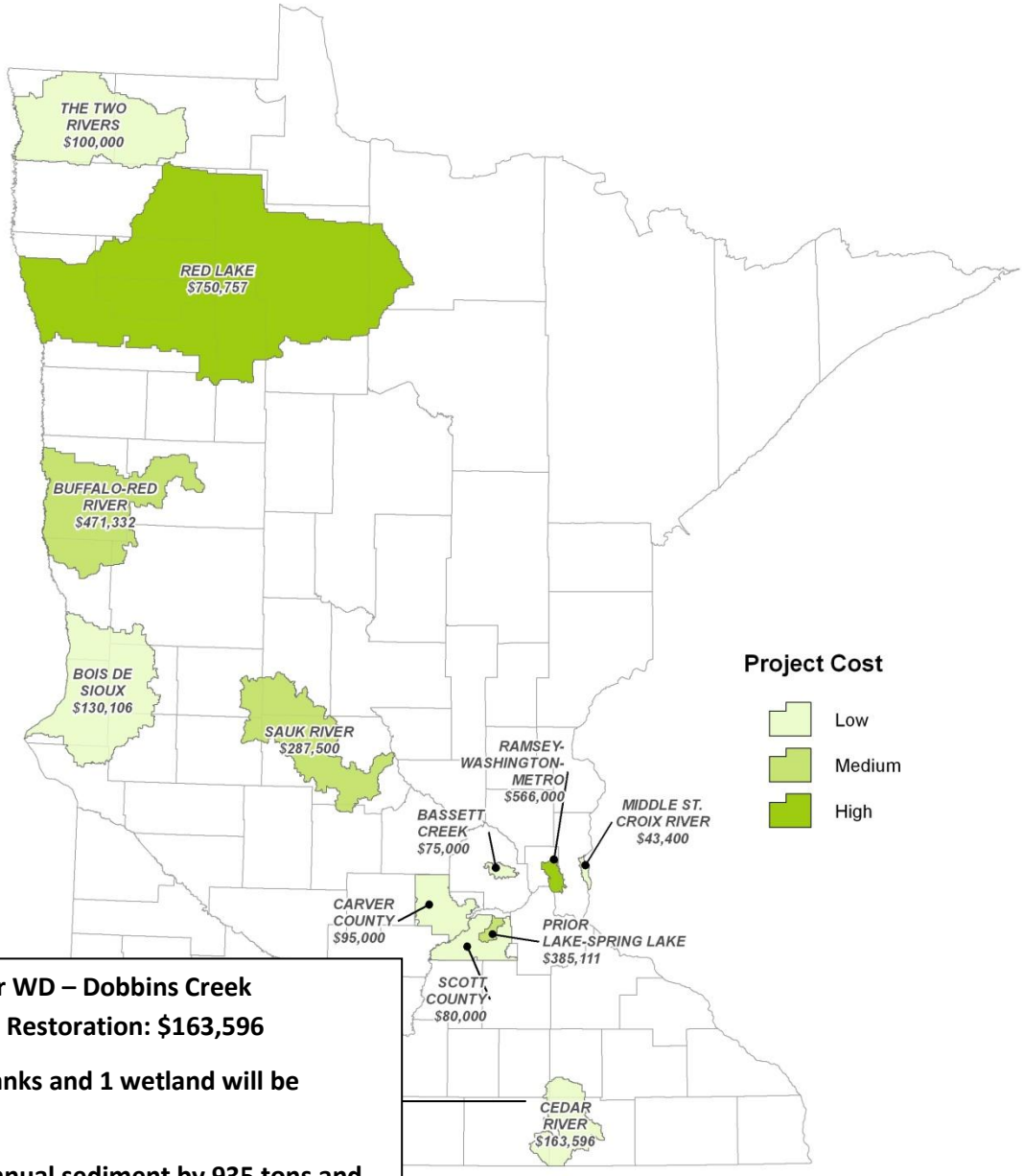
- Number of onsite SSTS in MN = 521,000
- Estimated 'failing' SSTS = 113,000 (22%)
- Estimated Imminent Health Threats= 35,300 (7%)
- Estimated total failing and Imminent = 148,000 (29%)
- Source: *http://www.pca.state.mn.us/index.php/about-mpca/legislative-issues/legislative-reports/legislative-reports.html*

Through the efforts of the FY10-11 BWSR SSTS Abatement Grant program, 246 imminent health threat SSTS will be fixed (for a breakdown by county, see Appendix C). Of note, BWSR funds for SSTS Abatement were directed towards low income residents. Hence, more analysis would be needed to determine what portion of the estimated 35,300 imminent health threat SSTS state-wide would fall into the low income category. In addition to the SSTS imminent health threat funds, SSTS Program Enhancement Funds have resulted in 40-plus lakes and five river stretches that will have septic system and SSTS Database development or upgrade in 17 counties and one city.

In 2008, the BWSR updated the Feedlot Financial Needs Study that provides estimates of the number of feedlots that are required to be in compliance with the Minnesota State Feedlot Rules (Chapter 7050) and the estimated associated costs for those feedlots to come into compliance (http://www.bwsr.state.mn.us/publications/Feedlot_Financial_Needs-2008.pdf). This study estimates that approximately 5,050 feedlot enterprises fewer than 300 animal units in size need to come into compliance with State feedlot rules. This study estimates that approximately 27% of feedlot enterprises are non-compliant. The study did not differentiate been feedlots located within or outside of any riparian shore land zone. 2011 feedlot registration data from the Minnesota Pollution Control Agency was also reviewed. Using the same 27% non-compliance rate, it is estimated that 3,882 feedlot enterprises fewer than 300 animal units are non-compliant.

Through the BWSR Feedlot Water Quality Management grant funds from the Clean Water fund in FY10-11, a total of 89 feedlots that contain fewer than 300 animal units and located within riparian shore land areas will be fixed. Appendix D provides a breakdown of feedlots fixed by county in comparison to recent 2011 MPCA registered feedlot data from counties participating in the MPCA delegated feedlot program.

2011 Clean Water Fund
Runoff Reduction



Cedar River WD – Dobbins Creek Watershed Restoration: $163,596

2 streambanks and 1 wetland will be restored.

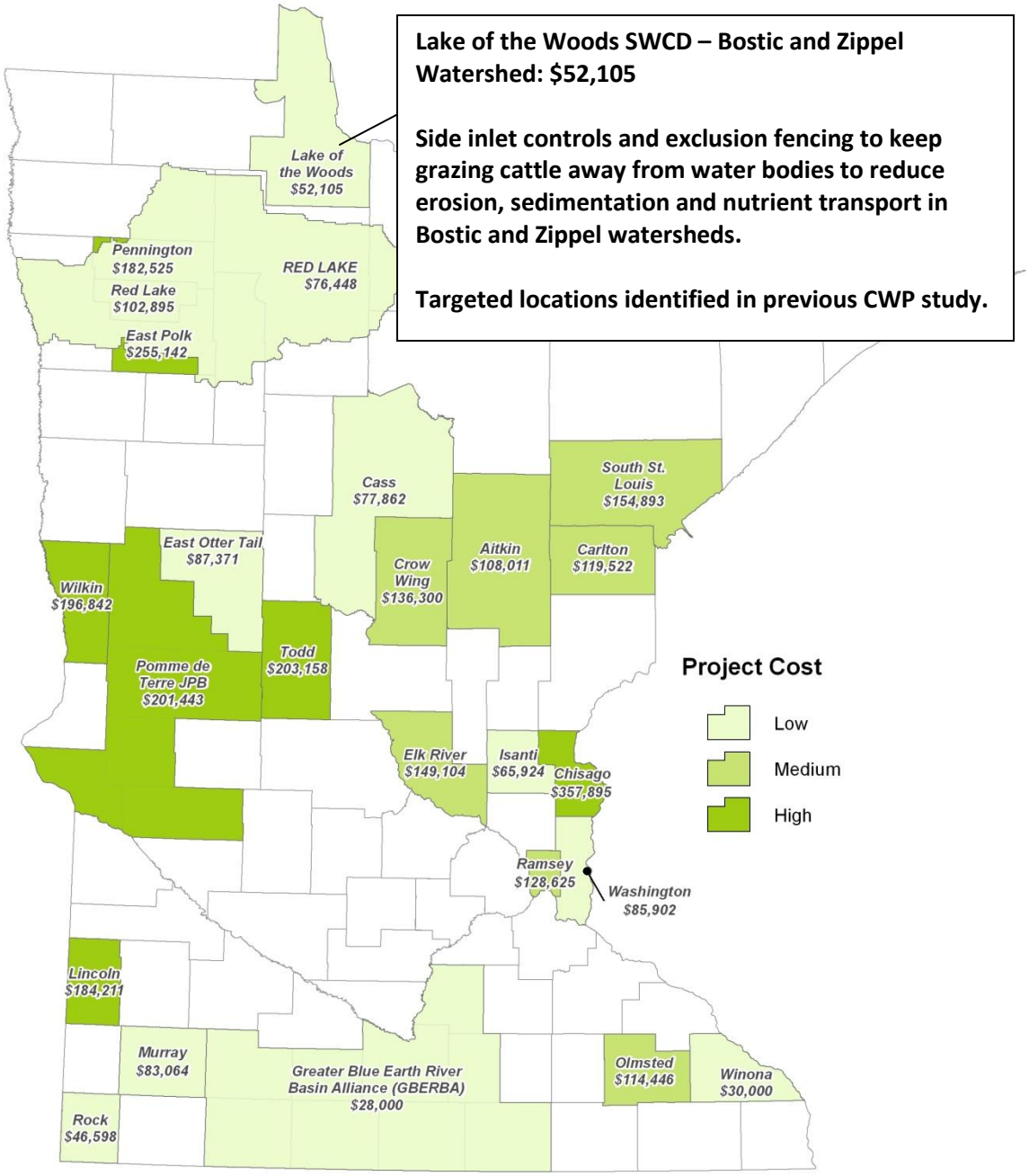
Reduces annual sediment by 935 tons and phosphorus by 175 pounds per year.

Addresses turbidity impairment.

Runoff Reduction Grants: **Total Funds Awarded $3,147,800**

Only Watershed Districts and Water Management Organization were eligible to apply for these funds. Funds are to be used for structural and vegetative practices to reduce stormwater runoff and to retain water on the land to reduce the movement of sediment, nutrients and pollutants.

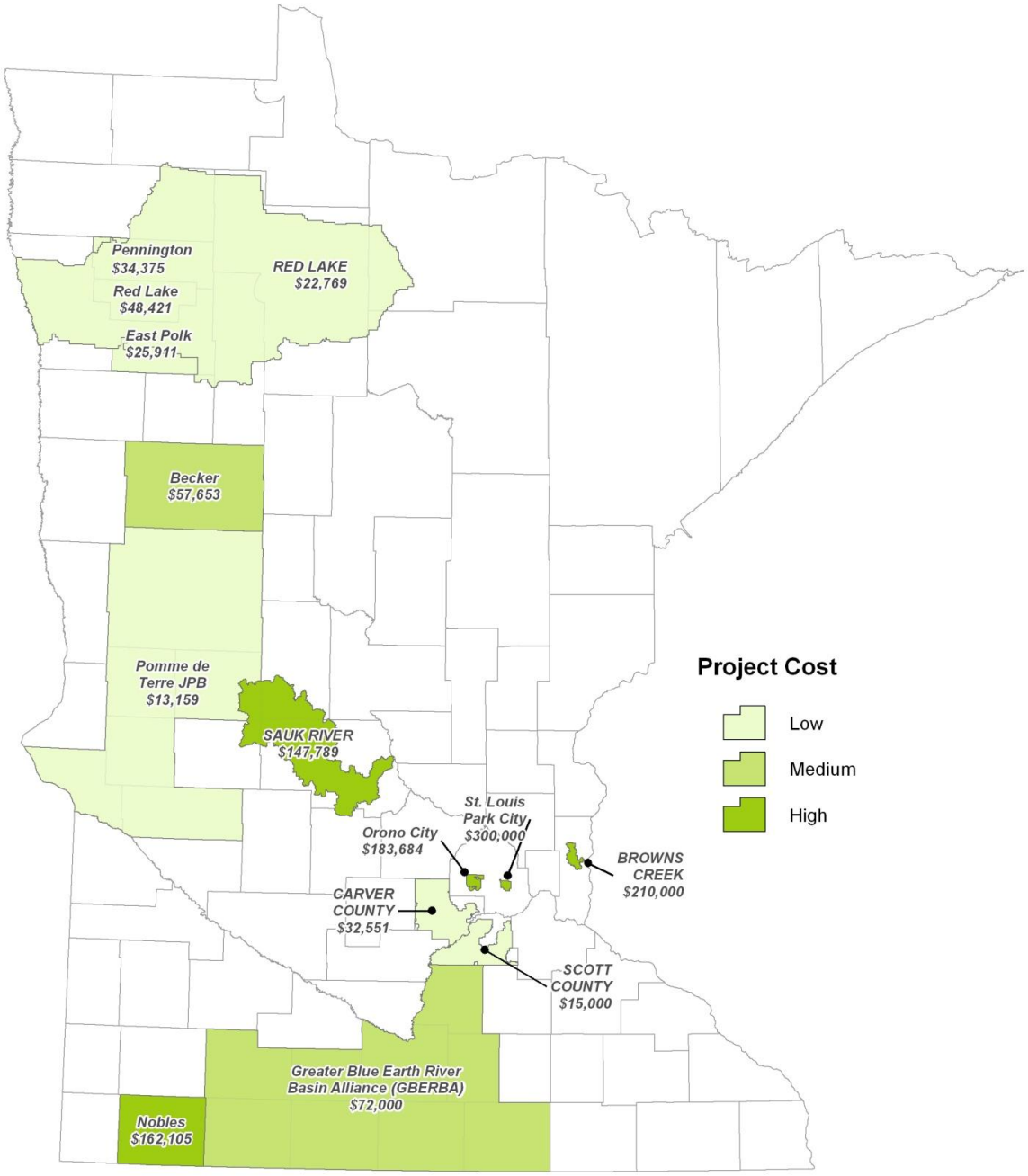
2011 Clean Water Fund
Clean Water Assistance



Clean Water Assistance Grants: **Total Funds Awarded $3,228,286**

WDs, WMOs, Soil and Water Conservation Districts and Counties were eligible to apply for these funds. Funds are to be used to keep water on the land, and to protect, enhance and restore water quality in lakes, rivers and streams and to protect groundwater and drinking

2011 Clean Water Fund
Shoreland Improvement

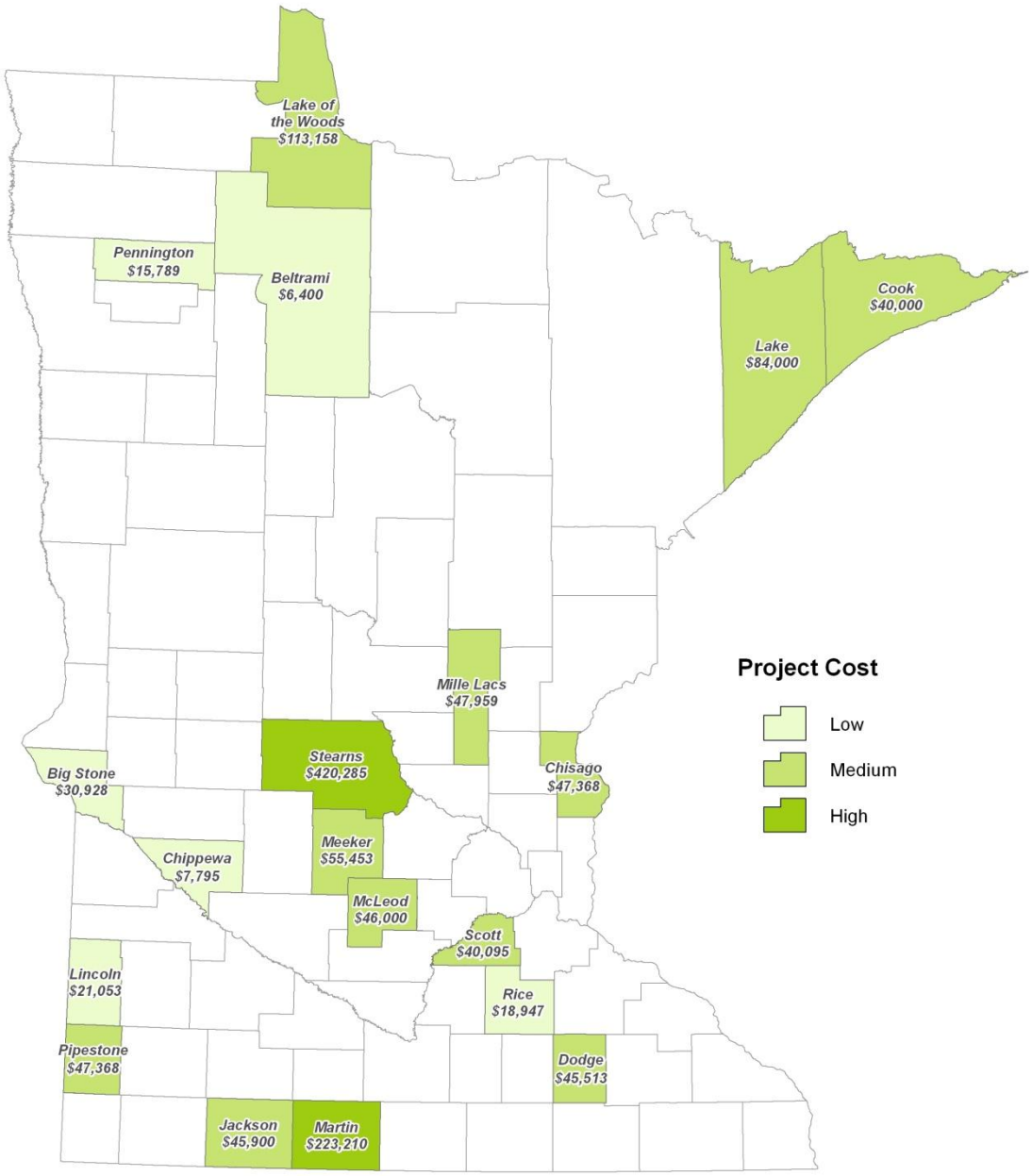


Shoreland Improvement Grants: **Total Funds Awarded $1,325,417**

Shoreland Improvement Grants are to be used to implement streambank, stream channel and shoreline protection and restoration grants for water quality.

2011 Clean Water Fund

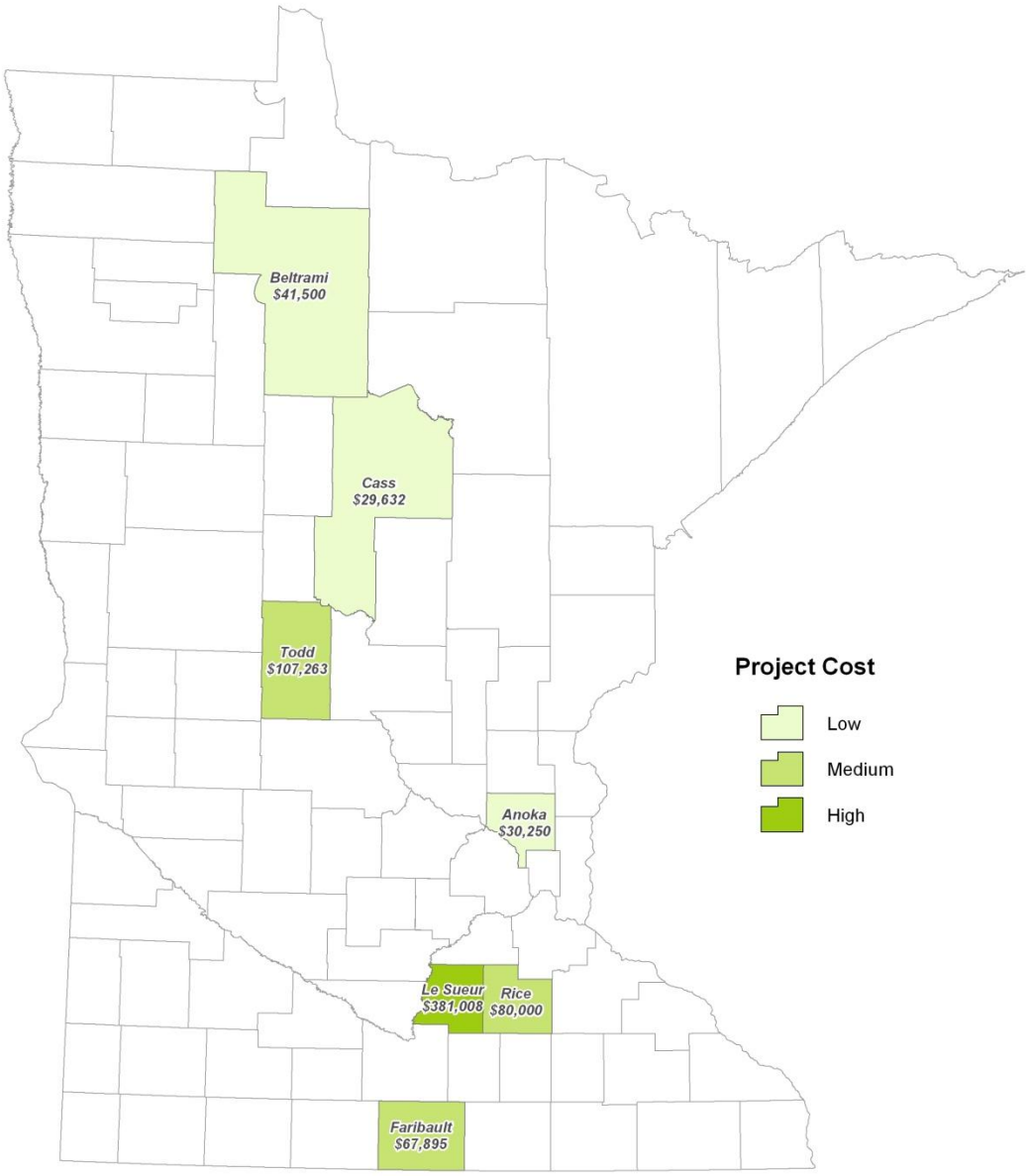
SSTS Imminent Health Threat Abatement



SSTS Imminent Health Threat Grants: **Total Funds Awarded $971,223**

Subsurface Sewage Treatment System (SSTS) Imminent Health Threat grants address failing septic systems that have direct impacts to critical water resources of concern. Applications that were funded indentify landowners with problem septic systems and provide financial assistance to low-income homeowners to upgrade their systems.

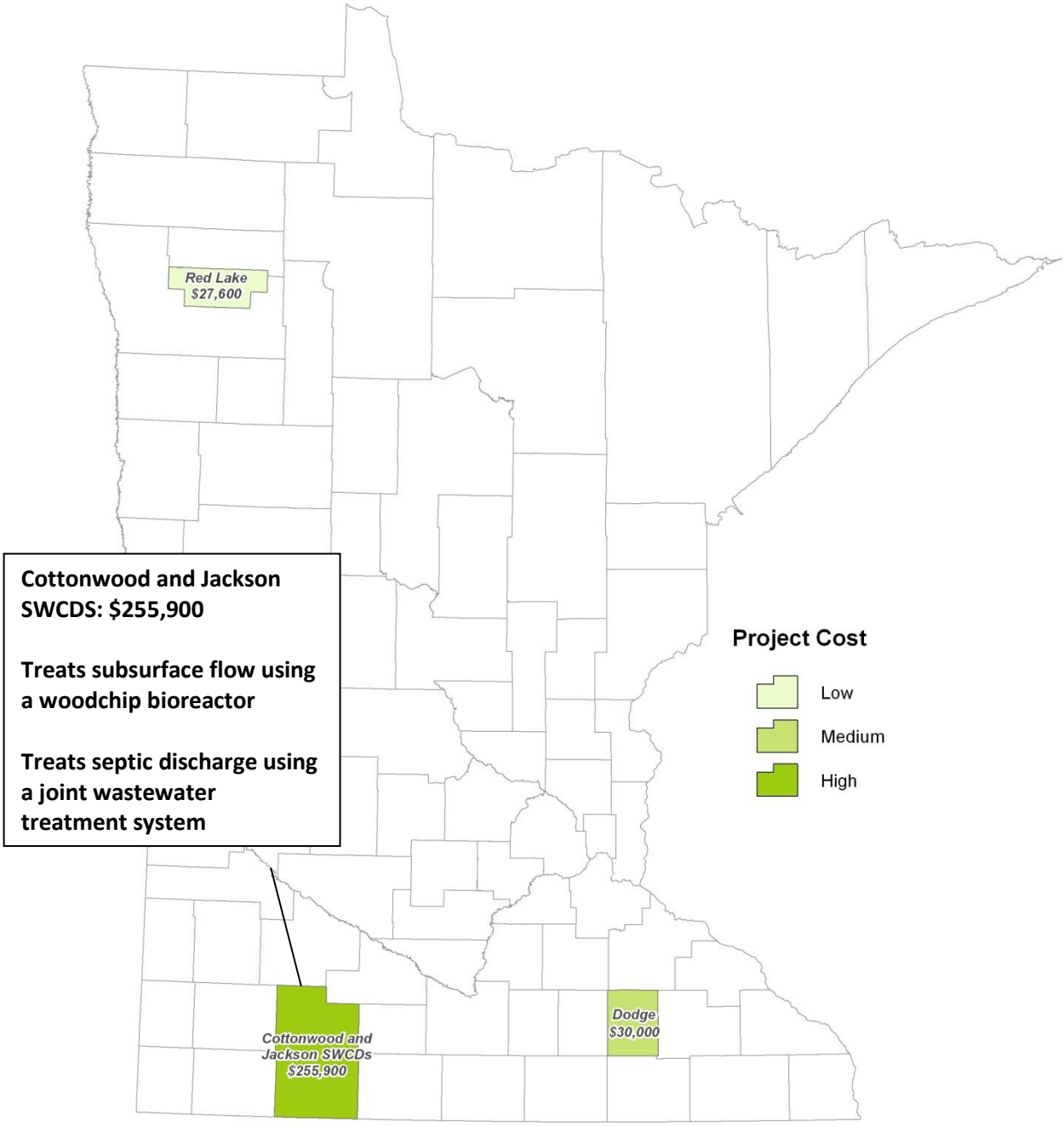
2011 Clean Water Fund
SSTS Inventory & Program Enhancement



SSTS Program Enhancement Grants: **Total Funds Awarded $370,573**

Counties are eligible for these grants, abiding by MS 115.55 Sec. 2, to implement SSTS programs including inventories, enforcement, databases and systems to insure SSTS maintenance reporting programs. Counties must abide by Minnesota Rules 7080 and their locally adopted SSTS ordinance when implementing grants from this appropriation. Seven applications totaling $370,573 were recommended for funding. Additionally, $870,000 in grants were awarded to counties through MPCA for SSTS programs. These grants are part of the BWSR Natural Resources Block Grant program.

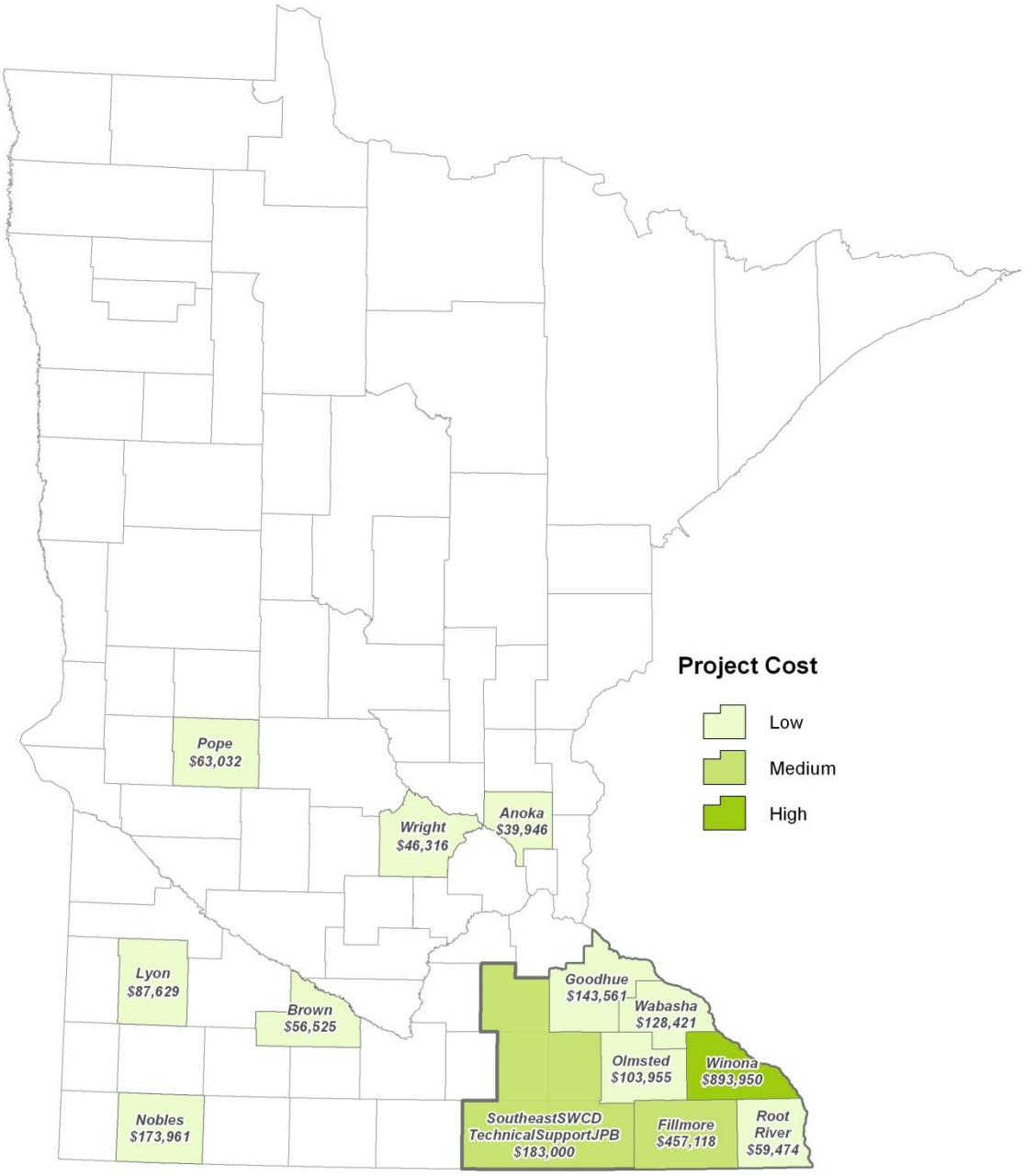
2011 Clean Water Fund
Conservation Drainage



Conservation Drainage: **Total Funds Awarded $313,500**

Pilot projects to retrofit existing drainage systems with water quality improvement practices will receive $313,500 in Conservation Drainage Grants.

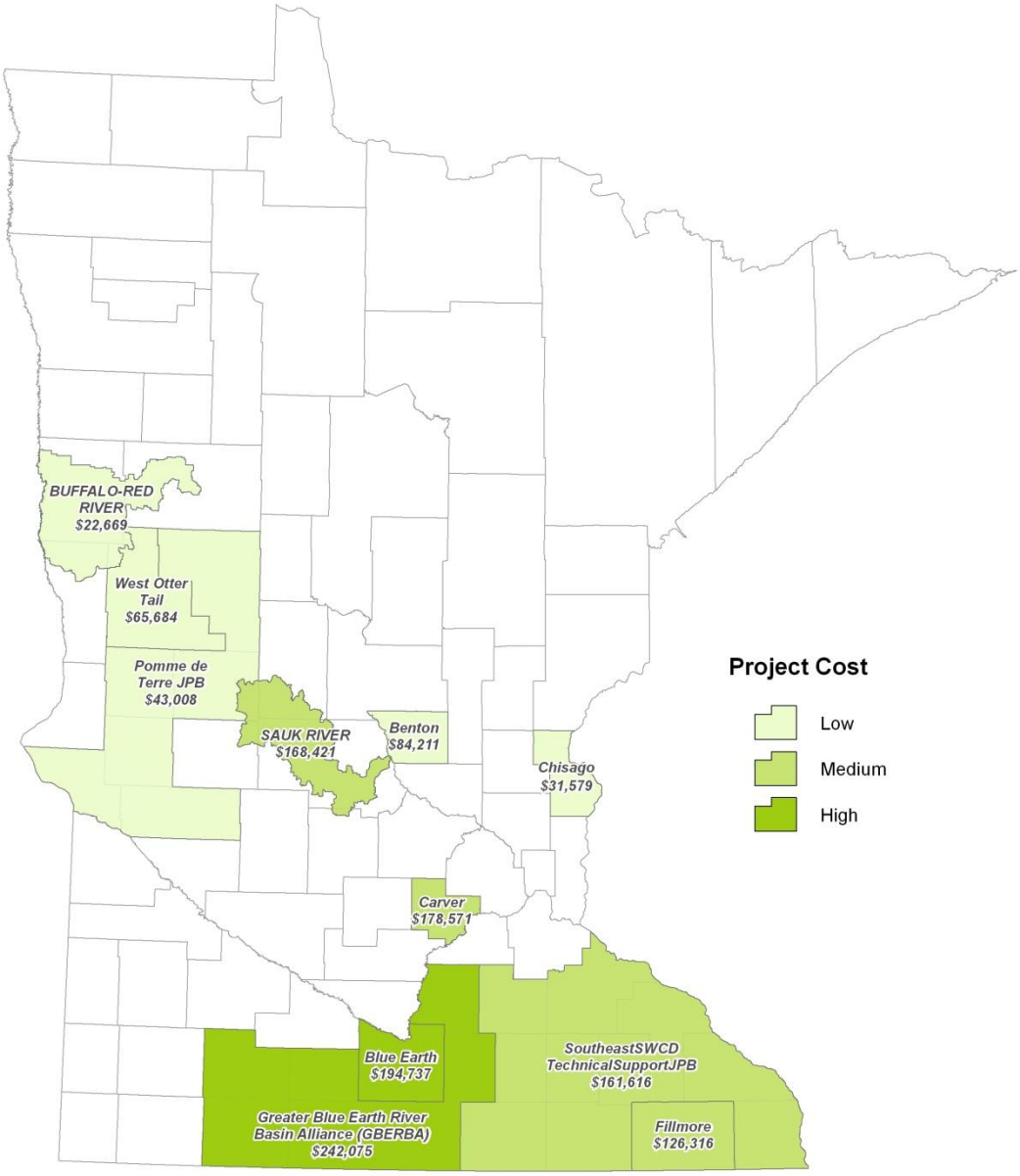
2011 Clean Water Fund
Feedlot Water Quality



Feedlot Water Quality Management Grants: **Total Funds Awarded$2,436,888**

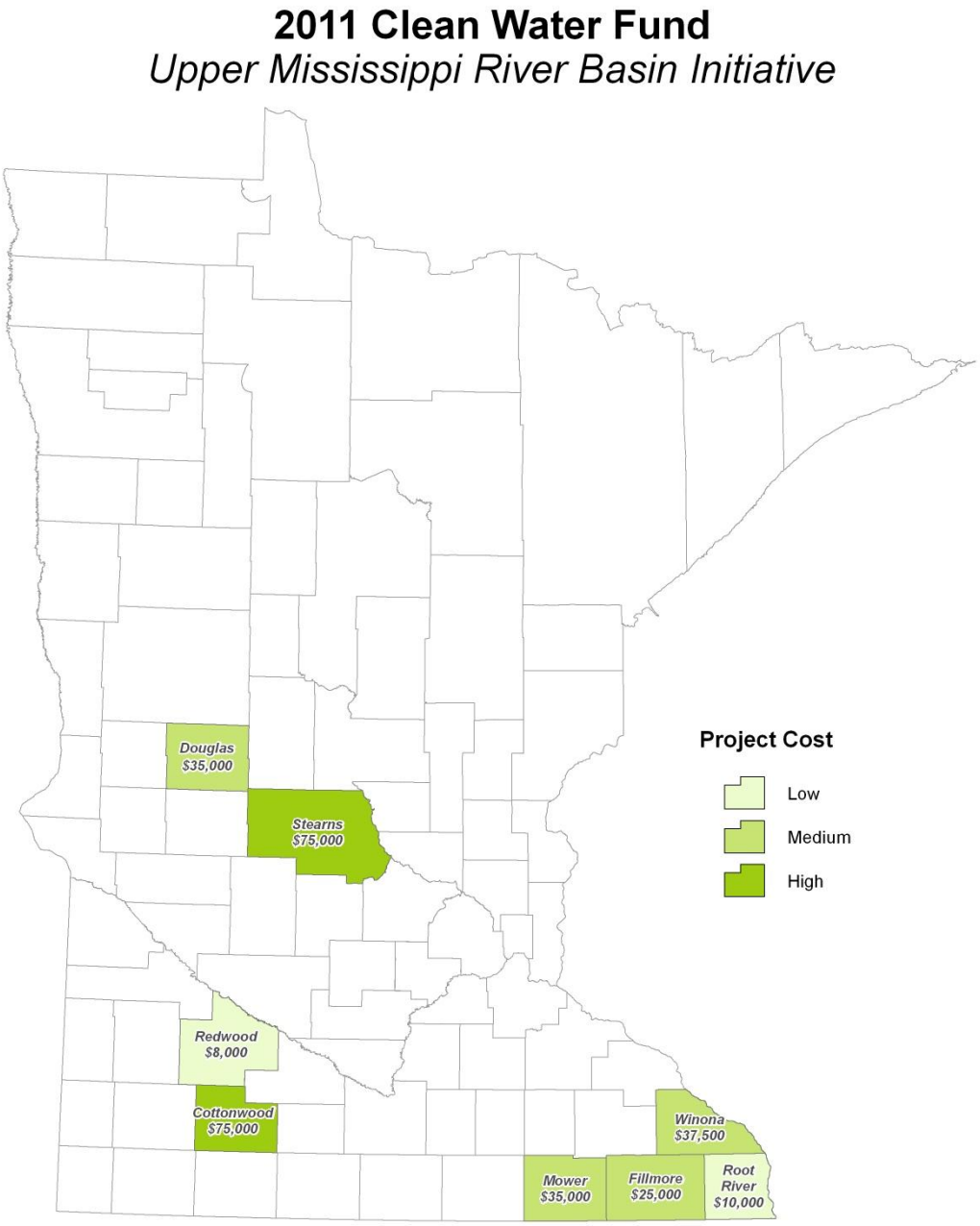
Feedlot Water Quality Management Grants provide financial assistance to fix existing feedlot pollution problems from feedlot operations less than 300 animal units in size and located in a riparian area or impaired waterway.

2011 Clean Water Fund
Restoration Technical Assistance



Technical Assistance & Engineering Grants: **Total Funds Awarded $1,318,887**

Targeted Nonpoint Restoration Technical Assistance and Engineering will enable local government units to build capacity and provided needed technical assistance.



Technical Assistance & Engineering Grants: Mississippi River Basin Initiative
Total Funds Awarded: $326,300

$326,300 of the Targeted Nonpoint Restoration Technical Assistance and Engineering will enable local government units to leverage federal dollars for the Mississippi River Basin Initiative.

Non-Competitive BWSR Clean Water Fund Expenditures

All counties are required to pass ordinances countywide regulating SSTS countywide. Under Minnesota Laws 2009, Chapter 172, Section 6(j), BWSR may award base grants to counties for SSTS programs. BWSR allocated $739,587 equally in both fiscal year 2010 and 2011 to counties for SSTS ordinance administration.

Directed BWSR Clean Water Fund Expenditures

BWSR received direct legislative appropriations for the Anoka Conservation District and for Hennepin County in FY 2010. BWSR entered into grant agreements with both entities as provided by these appropriations under Minnesota Laws 2009, Chapter 172, Section 6. Work plans were developed and integrated with the executed grant agreements. Implementation of the work plan activities is ongoing.

Anoka Conservation District

A direct appropriation of $400,000 in FY 2010 and $600,000 in FY2011 for the Anoka Conservation District (ACD) is for the metropolitan landscape restoration program for water quality and improvement projects in the seven-county metro area.

The goal of the program is to improve water quality in locally identified high-priority water resources. ACD is working with other metro-area local government units to fully utilize program cost-share funds and to leverage local funds to install the most cost-effective practices available to treat stormwater runoff. Assessments developed as part of this program will include identifying site-specific best management practices for pollutant and stormwater volume load reduction estimates, installation cost estimates, and long-term operation and maintenance cost estimates.

Hennepin County

The law also included a direct appropriation of $500,000 in FY2010 to Hennepin County for riparian restoration and stream bank stabilization in the county's 10 primary stream systems. The money is funding projects to protect, enhance and help restore the water quality of five streams and downstream receiving waters.

- Bassett Creek
- Plymouth Creek
- Nine Mile Creek

- Riley Creek
- Elm Creek

Conservation Corps of Minnesota and Iowa

BWSR is required to contract with the Conservation Corps of Minnesota and Iowa (formerly Minnesota Conservation Corps), or CCMI, for installation of conservation practices benefitting water quality for at least $500,000 in each year of the 2010-11 biennium. The Board approved reserving the following funds from Table 1 to comply with this appropriation:

$200,000 from the Runoff Reduction Grants

$200,000 from the Clean Water Assistance Grants

$100,000 from the Shoreland Improvement Grants

A list of 2010 CWF funded projects can be found at the following webpage: http://www.conservationcorps.org/content/clean-water-funding-opportunity#work

As part of the process, BWSR staff has worked with the CCMI to ensure the following procedures are followed:

- Eligible local governments have an initial 30-day application period.
- CCMI has 30 days to review proposals and make a list of projects, consistent with the Clean Water Fund appropriation (Laws of Minnesota, Chapter 172, Section 6).
- CCMI sends the list of projects to the appropriate BWSR Clean Water Specialist for their review and approval before commitments are made to applicants. This will be accomplished within the 30-day CCMI review period.
- After initial allocations, any remaining funds are available on a first-come, first-served basis by any eligible local government.
- CCMI will report financial information on the use of state funds, and the local government will report outcome and match information in eLINK.

BWSR Administration of Clean Water Fund Expenditures

The Board will be using existing authorities, polices, and staff, along with the processes outlined previously, to implement Clean Water Fund programmatic activities. The Board will be utilizing the eLINK4WEB reporting program to track all Clean Water Fund grant-related projects.

The goal of the Clean Water Funding directed to BWSR is to reduce non-point source pollution by providing Clean Water Fund dollars to local government units for on-the-ground activities, many of them installed on private lands that will result in improved and protected surface and ground water. Clean Water Funding appropriated to BWSR also will provide oversight of the local government units that receive these dollars to insure accountability and transparency for the public by reporting the outcomes of these dollars. BWSR received a total of $816,000 ($275,000 in Clean Water Program Oversight and $541,000 in Clean Water Program Administration) in FY 2010 and a total of $889,000 ($315,000 in Clean Water Program Oversight and $574,000 in Clean Water Program Administration) in FY 2011 to provide oversight and administration of Clean Water Fund dollars. BWSR has funded three full-time positions charged with getting protection and TMDL-derived restoration strategies adopted into local water plans, directing $30 million of grant funds to priority areas and activities, and aligning administrative procedures to optimize leveraging of non-state funds with low transaction costs. In our efforts to document results and increase technical capacity for the local delivery system, a training program coordinator position has been established. Portions of two other technical staff positions with duties related to reporting and outcomes are being funded with these dollars. As appropriations for non-point restoration and protection continue to ramp up, BWSR funding for additional full-time staff may be necessary to insure that local implementation produces real-world outcomes.

Appendix A

Table A-1: List of FY 2011 Clean Water Fund Grant Recipients

CWA= Clean Water Assistance; RR= Runoff Reduction; RTA = Restoration Technical Assistance; SL = Shoreland

County	Applicant	Project Title	Project Abstract	Total Grant Request	Total Grant Awarded
Multi-County	SE SWCD Technical Support Joint Powers Board	Nutrient Management in the Lower Mississippi River Watershed	Two nutrient management specialists will assist landowners in an eleven county area with writing nutrient management plans and implementing BMP's for manure and fertilizer use.	$161,616 (RTA)	$161,616 (RTA)
Ramsey	Ramsey Conservation District	Protecting Ramsey County's Drinking Water Supply Management Areas	This project will target the sealing of abandoned and unused wells within groundwater recharge zones of municipal water supply wells.	$188,947 (CWA)	$128,625 (CWA)
Multi-County	Greater Blue Earth River Basin Alliance	Blue Earth River Basin Clean Water Fund Positions	This project will help fund and support 4 positions assisting landowners and local units of government within the Greater Blue Earth River basin. The positions include: nutrient management specialist, conservation agronomist, urban outreach specialist, and a watershed technician for the Cobb River sub-watershed.	$242,075 (RTA)	$242,075 (RTA)
Red Lake	Red Lake Watershed District	Grade Stabilization for Reduction of Sedimentation in the Thief River	This project will result in the installation of six grade stabilization structures, side water inlets, and stream bank stabilization in the lower 2.5 miles of CD20.	$187,974 (RR/SL)	$187,974 (RR/SL)
Lincoln	Lincoln SWCD	Verdi Wellhead Protection Area Project - 2011	This project will reduce nitrate levels in the Verdi well field drinking water supply by providing landowners educational information and incentives by developing nutrient management plans, utilizing variable rate technology, utilizing nitrogen stabilizers/nitrogen efficiency products, and installing targeted filter strips.	$184,211 (CWA)	$184,211 (CWA)

Table A-1: List of FY 2011 Clean Water Fund Grant Recipients

CWA= Clean Water Assistance; RR= Runoff Reduction; RTA = Restoration Technical Assistance; SL = Shoreland

County	Applicant	Project Title	Project Abstract	Total Grant Request	Total Grant Awarded
Fillmore	Fillmore SWCD	Grazing Management Initiative for the Root, Whitewater and Adjacent Watersheds	A Grazing Management Specialist in the Root and Whitewater watersheds will provide technical assistance for developing prescribed grazing plans and implementing grazing practices through EQIP and other programs.	$126,316 (RTA)	$126,316 (RTA)
Rock	Rock County SWCD/Land Mgt	Rock River Turbidity and Fecal Coliform Reduction	This project will stabilize 1600' of eroding stream bank and also reduce storm water runoff with the installation of 3 rain gardens within the city of Luverne.	$46,598 (CWA)	$46,598 (CWA)
Red Lake	Red Lake County SWCD	Accelerated Erosion Control Projects in the Red Lake River Watershed	This project will reduce sediment from high priority sites by installing two grassed waterways, two grade stabilization structures and stabilizing, a stream bank.	$102,895 (CWA)	$102,895 (CWA)
Benton	Benton SWCD	Little Rock Impaired Waters Kickoff	This project will accelerate the adoption of high priority BMP's in the Little Rock Lake and Creek watersheds. Efforts will include a new watershed wide irrigation water management program that is intended to be funded by irrigators by the end of the grant program.	$103,745 (RTA/SL)	$84,211 (RTA)
Nobles	Nobles SWCD	Langseth Family (Lake Ocheda) Shoreline Improvement Project	This project will improve a 1600 foot lake shoreline resulting in improved water quality, fishery and upland habitat, historical preservation and improved drinking water supplies in Lake Ocheda.	$162,105 (SL)	$162,105 (SL)

Table A-1: List of FY 2011 Clean Water Fund Grant Recipients

CWA= Clean Water Assistance; RR= Runoff Reduction; RTA = Restoration Technical Assistance; SL = Shoreland

County	Applicant	Project Title	Project Abstract	Total Grant Request	Total Grant Awarded
Wilkin	Wilkin Soil and Water Conservation District	Lower Otter Tail River Sediment Reduction Project Phase IV	This project will install water control structures, side-inlets, and buffer strips into county ditch systems. Additionally, these practices will provide significant flood control benefits by storing water on the land.	$196,842 (CWA)	$196,842 (CWA)
Carver	Carver County	Carver County Fecal Coliform Implementation IV	Carver County has been targeting sub-watersheds of Carver, Bevens, and Silver Creeks. This application will continue funding for staff and programs that are currently set to expire in June, 2011	$178,571 (RTA)	$178,571 (RTA)
Winona	Winona County	Winona County Well Sealing Cost share Project	This project will be used for sealing wells in a targeted area in effort to prevent groundwater contamination.	$30,000 (CWA)	$30,000 (CWA)
Olmsted	Olmsted Soil and Water Conservation District	Protecting Groundwater by Assisting Oronoco Residents in Well Sealing	The City of Oronoco is nearing completion of its municipal water system. This project will provide cost-share to residents connecting to the Oronoco Water System that have unused or abandoned wells that need to be sealed to protect groundwater.	$128,866 (CWA)	$114,446 (CWA)
Mower	Cedar River Watershed District	Dobbins Creek Watershed Restoration	This project will implement activities in the 2009 Ag Watershed Restoration study funded by BWSR. Practices to be installed include: a wetland restoration and stream stabilizations that will trap sediments and stabilize stream banks in the Dobbins Creek Watershed.	$163,596 (RR/SL)	$163,596 (RR)
Hennepin	Bassett Creek Watershed Management Commission	Wirth Lake Outlet Modification Project	This project is the only project listed in the Wirth Lake TMDL implementation plan. By preventing backflow from Bassett Creek, the Wirth Lake outlet modification will reduce the TP load to the lake.	$75,000 (CWA)	$75,000 (RR)

Table A-1: List of FY 2011 Clean Water Fund Grant Recipients

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County	Applicant	Project Title	Project Abstract	Total Grant Request	Total Grant Awarded
Grant	Pomme De Terre River Association	Pomme de Terre River Watershed Best Management Practice (BMP) Initiative	This is a five SWCD/County cooperative project to accelerate the implementation of BMPs within the Pomme de Terre River Watershed. Our goal is to reduce sedimentation by 26,601 tons/yr and phosphorus loading by 26,621 lb/yr. Fecal coliform contamination will also be reduced in the Pomme de Terre River.	$502,684 (CWA)	$257,610 (RR/SL/RTA)
Otter Tail	East Otter Tail Soil and Water Conservation District	East Otter Tail Groundwater Protection Project	This project will provide incentives to encourage irrigation producers to convert high or medium pressure irrigation systems to low pressure systems, which will prevent potential nitrate-nitrogen and other potential groundwater contamination through leaching due to over irrigation	$174,742 (CWA)	$87,371 (CWA)
Stearns	Sauk River Watershed District	Sauk River Runoff Reduction and Riparian Restoration	This project will install 29 urban stormwater/shore land projects on private property and 7 on city or school property.	$435,289 (RR/SL)	$435,289 (RR/SL)
Pennington	Pennington SWCD	Judicial Ditch #30 & #18 Buffer Initiative	This project will provide incentive payments for landowners to install 50' wide buffer strips and grade stabilization structures from field ditches along 24 mile ditch system.	$187,687 (CWA)	$93,844 (CWA)
St. Louis	South St. Louis Soil & Water Conservation District	Miller Creek Urban Trout Stream Restoration Projects	This project will restore 3,400 ft. of Miller Creek, a designated trout stream in Duluth.	$154,893 (CWA)	$154,893 (CWA)

Table A-1: List of FY 2011 Clean Water Fund Grant Recipients

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County	Applicant	Project Title	Project Abstract	Total Grant Request	Total Grant Awarded
Kittson	Two Rivers Watershed District	Lake Bronson Watershed Runoff Reduction Project	The project will reduce runoff and decrease movement of sediment, nutrients and bacteria by targeting, prioritizing and installing vegetative practices within Lake Bronson and upland subwatersheds. Emphasis will be placed on State Ditch 90, 91 and 95 which are subwatersheds within the Two Rivers Watershed District (TRWD).	$200,000 (CWA)	$100,000 (RR)
Washington	Brown's Creek Watershed District	Brown's Creek Thermal Load Reduction	Brown's Creek Watershed District and Oak Glen Golf Course will partner to achieve significant thermal and sediment reductions in biologically impaired Brown's Creek by installing 2.25 acres of buffer and restoring 1300 feet of stream bank.	$210,000 (SL)	$210,000 (SL)
Lake of the Woods	Lake of the Woods Soil and Water Conservation District	Bostic and Zippel Watershed Stabilization and Water Retention Project	This project will reduce erosion, sedimentation, and nutrient transport within the Bostic and Zippel Watersheds by installing grade stabilization, side water inlets, and gully stabilization projects and developing a water retention plan.	$52,105 (CWA)	$52,105 (CWA)
Todd	Todd Soil & Water Conservation District	Swan River Headwaters Clean Water Fund	This project targets nineteen landowners within the Swan River Watershed. The practices installed will control pollutants and sediment from entering surface waters.	$203,158 (SL)	$203,158(CWA)
Hennepin	City of St. Louis Park	Minnehaha Creek Stream Meander - St. Louis Park	This project aims to re-meander a section of Minnehaha Creek. The project will include increased riparian buffers, stream bank stabilization, vegetative restoration, and construction of water quality treatment practices.	$300,000 (SL)	$300,000 (SL)
Sherburne	Elk River Watershed Association	Elk River Watershed Pollution Loading Reduction Project	Elk River Watershed Association (ERWSA) has commitments from cooperators to restore shore lands, treat stormwater, manage manure and create a wetland.	$149,104 (SL)	$149,104 (CWA)

Table A-1: List of FY 2011 Clean Water Fund Grant Recipients

CWA= Clean Water Assistance; RR= Runoff Reduction; RTA = Restoration Technical Assistance; SL = Shoreland

County	Applicant	Project Title	Project Abstract	Total Grant Request	Total Grant Awarded
Isanti	Isanti County Zoning Department	Isanti County Native Grass/ Stormwater BMP Demonstration Project	The project will reduce runoff and protect groundwater by establishing native plantings on at least 150 acres of private lands in priority areas and establish stormwater reduction and other BMP projects in county parks.	$145,484 (CWA)	$65,924 (CWA)
Red Lake	Red Lake County SWCD	Accelerated Streambank & Shoreland Projects in the Clearwater River Watershed.	This project will construct two streambank stabilizations identified in an Erosion Site Inventory conducted by Red Lake County SWCD.	$103,789 (CWA)	$48,421 (SL)
Scott	Prior Lake-Spring Lake Watershed District	Spring and Prior Lake Upper Watershed Stormwater Runoff Volume Reduction	This project will store an additional 186 ac-ft of stormwater per year in the upper watershed of Spring and Prior Lake through wetland reestablishment and restoring natural infiltration capacity of several topographic depressions.	$195,600 (RR)	$195,600 (RR)
Pennington	Pennington SWCD	The Ralph Engelstad Arena Raingarden Project	The Ralph Engelstad Arena covers about two city blocks and is covered by 85-90% impervious surface. This project will utilize multiple raingardens to store water onsite and control stormwater runoff.	$88,681 (CWA)	$88,681 (CWA)
Aitkin	Aitkin County SWCD	Cedar and Farm Island Lakes, Reversing the Downward Trend	Cedar and Farm Island are large recreational lakes located in the Aitkin/Brainerd Lakes area. Both lakes are showing significant downward trends in water clarity. This project seeks to reverse that trend before these lakes degrade further.	$108,011 (CWA/SL)	$108,011 (CWA)
Multi-County	Greater Blue Earth River Basin Alliance	Agricultural Shoreland Initiative	This project will identify DNR protected shoreland in GBERBA counties without a 50' buffer. Implementation of buffers and landowner Education will also be undertaken.	$267,368 (CWA)	$100,000 (CWA/SL)

Table A-1: List of FY 2011 Clean Water Fund Grant Recipients

CWA= Clean Water Assistance; RR= Runoff Reduction; RTA = Restoration Technical Assistance; SL = Shoreland

County	Applicant	Project Title	Project Abstract	Total Grant Request	Total Grant Awarded
Stearns	Sauk River Watershed District	Technical Assistance for Sauk River Watershed - Mississippi River Basin Initiative	This project will provide technical assistance for the Upper Mississippi River Basin Initiative (MRBI) project in the Sauk River Watershed.	$231,579 (CWA)	$168,421 (RTA)
Clay	Buffalo-Red River Watershed District	Wolverton Creek Restoration and Sediment Reduction Project	This project aims to reduce erosion and sedimentation in Wolverton Creek by installing side inlets, buffer strips, conservation tillage, and channel restoration design.	$306,837 (RTA)	$253,229 (RR)
Chisago	Chisago Soil and Water Conservation District	Chain of Lakes Stormwater Retrofit Assessment Best Management Practices	The Chisago Lakes Chain of Lakes Stormwater Retrofit Assessment has assessed 54 small watersheds for the optimal locations for best management practices. A long list of BMPs has been identified and this project will take the next step is to design and install priority projects.	$230,526 (CWA)	$230,526 (CWA)
Scott	Prior Lake-Spring Lake Watershed District	Upper Prior Lake – Targeted Stormwater BMP Retrofits & Enhancements	This project will enhance 11 existing water quality ponds to include iron-sand enhanced filtration, hydro period modification and increased storage. In addition, 39 retrofit bioretention raingardens targeted in untreated subwatersheds and a 210 SF permeable pavement area will be constructed.	$189,511 (CWA)	$189,511 (RR)
Clay	Buffalo - Red River Watershed District	Upper South Branch BMP Strategic Implementation Plan	LiDAR terrain analysis will be used to determine BMP locations to reduce sediment loads and runoff contamination. BMPs will be implemented at these locations.	$135,364 (RTA)	$135,364 (RTA/RR)

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County	Applicant	Project Title	Project Abstract	Total Grant Request	Total Grant Awarded
Scott	Scott Watershed Management Organization	Sand Creek & Prior Lake/Spring Lake Watersheds Wetland Restoration Project	This proposal is to fund Early Adopter payments to promote participation in a regional watershed project having the goal of improving water quality and expanding wildlife habitat by permanently restoring and enhancing up to 500 acres of wetlands in the Sand Creek and Prior/Spring Lake Watersheds.	$80,000 (RR)	$80,000 (RR)
Otter Tail	West Otter Tail SWCD	Otter Tail and Pelican River Implementation	This project will help promote and design BMPs that are priorities in the Lower Otter Tail Watershed TMDL implementation plan.	$65,684 (RTA)	$65,684 (RTA)
Traverse	Bois de Sioux Watershed District	Mustinka River Turbidity TMDL Implementation Project	This project will work to complete goals outlined within the Mustinka River TMDL Implementation Plan. Implementing BMPs will annually reduce a total of 31,250 tons of sediment and 31,250 pounds of phosphorus loading into the Mustinka River.	$260,211 (RR)	$130,106 (RR)
Pennington	Pennington SWCD	Halvorson Streambank Restoration	Stabilize 300' of the Thief River streambank to protect a home plus improve water quality in impaired water and a city drinking water supply.	$34,375 (SL)	$34,375 (SL)
Carlton	Carlton SWCD	Elim Creek Restoration Through Aging Sediment Retention Structure Removal	This project will remove three, 30 year old sediment control structures and restore 1/3 mile of Elim Creek. The project will correct 304 tons of soil loss and remove the threat of 956 tons of sediment transport to the North Fork of the Nemadji River that is impaired for turbidity.	$119,522 (CWA)	$119,522 (CWA)
Blue Earth	Blue Earth County	Blue Earth County Shoreland Buffer Initiative	Restoration technical assistance will be targeted in shoreland areas within impaired watersheds to establishment of riparian buffers and other practices.	$136,842 (RTA)	$136,842 (RTA)

Table A-1: List of FY 2011 Clean Water Fund Grant Recipients

CWA= Clean Water Assistance; RR= Runoff Reduction; RTA = Restoration Technical Assistance; SL = Shoreland

County	Applicant	Project Title	Project Abstract	Total Grant Request	Total Grant Awarded
Chisago	Chisago Soil and Water Conservation District	St. Croix River escarpment gully stabilization inventory and outreach program	This project will inventory the active gully erosion sites along the St. Croix River escarpment from the Wild River State Park entrance south to the County line. This inventory will be utilized to contact landowners and begin the process of developing a plan to implement BMP's.	$31,579 (RTA)	$31,579 (RTA)
Becker	Becker Soil & Water Conservation District	Campbell Creek Phosphorus and Sedimentation Reduction Project	Continue the successful efforts of erosion and sediment reduction in the Campbell Creek/Floyd chain of lakes area and the Buffalo River through the installation of sediment and erosion control basins and native buffers.	$57,653 (CWA)	$57,653 (SL)
Ramsey	Ramsey Washington Metro Watershed District	North Saint Paul Living Street Project	The proposed 2-block street reconstruction project addresses aspects of the Kohlman Lake TMDL Implementation Plan through construction of infiltration rainwater gardens, urban trees and narrowed streets in a distributed fashion in a residential setting, achieving runoff volume reduction and pollutant reduction.	$566,000 (RR)	$566,000 (RR)
Washington	Middle St. Croix Watershed Management Organization	Lily Lake Stormwater Retrofit Project	This project will implement priority stormwater treatment projects identified in the Lily Lake Stormwater Retrofit Assessment Report. Implementation will reduce phosphorous inputs to Lily Lake by 9.5 lbs/yr, reduce TSS to Lily Lake by 8,566 lbs/yr and provide a volume reduction of 7.7 acre-feet/yr	$43,400 (RR)	$43,400 (RR)
Crow Wing	Crow Wing Soils and Water Conservation District	Catch, Clean, Circulate, Stormwater Management for Gull and Trout Lakesheds	This project will implement projects that will intercept, infiltrate, and treat runoff which will reduce phosphorus and sediment inputs into Gull and Trout Lakes.	$136,300 (CWA)	$136,300 (CWA)

Table A-1: List of FY 2011 Clean Water Fund Grant Recipients

CWA= Clean Water Assistance; RR= Runoff Reduction; RTA = Restoration Technical Assistance; SL = Shoreland

County	Applicant	Project Title	Project Abstract	Total Grant Request	Total Grant Awarded
Polk	East Polk Soil and Water Conservation District	Sand Hill River Watershed Accelerated Erosion Area BMP's	This project would assist in the installation of 29 sediment basins in the Upper Sand Hill River Watershed.	$281,053 (CWA)	$281,053 (CWA)
Carver	Carver County WMO	Reitz Lake Restoration Project	Reitz Lake's water quality will improve by installing a water retention structure, enhancing/restoring a wetland and installing several raingardens/shoreland restorations.	$127,551 (RR/SL)	$127,551 (RR/SL)
Hennepin	City of Orono	Stubbs Bay Ravine Stabilization	This project will repair an eroding ravine that drains into Stubbs Bay on Lake Minnetonka. The proposed project is to regrade the ravine, install grade breaks, and stabilize it with native vegetation and shrubs.	$183,684 (SL)	$183,684 (SL)
Scott	Scott Watershed Management Organization	Cedar & O'Dowd Lake Shoreline Improvements	This project will reduce phosphorus input into Cedar and O'Dowd Lakes, create habitat to improve water quality by stabilizing shoreland in the Cedar Lake Farms Regional Park, and by restoring shoreland along O'Dowd Lake.	$30,000 (SL)	$15,000 (SL)
Washington	Washington Conservation District	Powers Lake Priority Subwatershed Retrofit Project	This project will implement 20 priority stormwater treatment projects within two target catchments identified in the Powers Lake Subwatershed Assessment.	$37,632 (CWA)	$37,632 (CWA)
Becker	Buffalo-Red River Watershed District	Continuation of Hay Creek/Stinking Lake Sediment Reduction Project	Continue the successful efforts of erosion and sediment reduction in the Hay Creek/Stinking Lake Watershed through the installation 19 additional sediment and erosion control basins.	$105,408 (RR)	$105,408 (RR)

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County	Applicant	Project Title	Project Abstract	Total Grant Request	Total Grant Awarded
Chisago	Chisago Soil and Water Conservation District	Implementation of Water-Smart Best Management Practices at Schools and Libraries	This project will implement BMPs to treat stormwater runoff at public school and library facilities in Chisago County.	$37,895 (CWA)	$37,895 (CWA)
Murray	Murray County	Jackson-Cottonwood-Murray West Fork Des Moines River BMP Project	Construct sediment reduction projects in the Des Moines River watershed that include a structure enhancement in Cottonwood County, a bio swale and sediment control structure in Jackson County, and a retention structure in Murray County.	$83,064 (CWA)	$83,064 (CWA)
Red Lake	Red Lake Watershed District	Grand Marais Creek Cut Channel Stabilization Project	Stabilize the outlet of Grand Marais Creek to reduce the sediment carried to the Red River of the North by up to 700 tons per year.	$662,000 (RR/SL)	$662,000 (RR/SL)
Washington	Washington Conservation District	Armstrong Lake Restoration - Oakdale Library Water Quality Retrofit	Oakdale Library Water Quality Retrofit project will install a large parking lot bioretention facility and multiple rain gardens to reduce phosphorus loading and improve water quality in Armstrong Lake and Wilmes Lake.	$48,270 (CWA)	$48,270 (CWA)
Chisago	Chisago Soil and Water Conservation District	Stabilization of erosion concerns adjacent to public roads and rivers	This project will implement numerous BMPs to correct multiple erosion concerns occurring adjacent to two public roads (Kost Dam Trail and County Road 81), which are in close proximity to the Sunrise River.	$89,474 (CWA)	$89,474 (CWA)
Cass	Cass Soil and Water Conservation District	Cass County Water Quality Enhancement and Shoreline Protection Project	This project consists of an erosion/sediment control project and two shoreline restoration and protection projects that will enhance and protect surface water quality in Cass County.	$193,553 (CWA/SL)	$77,862(CWA/SL)

Table A-1: List of FY 2011 Clean Water Fund Grant Recipients

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County	Applicant	Project Title	Project Abstract	Total Grant Request	Total Grant Awarded
Blue Earth	Blue Earth SWCD	Blue Earth County Ravine and Stream Channel Stabilization Design Assistance	This project will facilitate the construction of up to ten projects that will significantly reduce gully, ravine, stream bank and bluff erosion and sedimentation in the Blue Earth, Le Sueur, Watonwan and Middle Minnesota River watersheds.	$57,895 (RTA)	$57,895 (RTA)

Table A-2: FY 2011 Clean Water Funds SSTS Program Enhancement and Inventory Grants

LGU	MPCA SSTS Inventory Grant*	BWSR SSTS Program Enhancement Grant*	Match	Project Description
Faribault County	$0	$67,895	$17,500	An accurate digital parcel database of residential land ownership would provide Faribault County a base to track SSTS permitting, compliance status and maintenance activities, and move permitting and compliance records from a paper file system to the web for 24/7 homeowner and public access.
Cass County	$16,579	$13,053	$15,200	Lake inventories for septic compliance will be conducted on 236 parcels on Sylvan Lake and 284 parcels in the Lake Margaret Watershed in southwest Cass County in partnership with the municipalities of East Gull Lake and Lakeshore and townships of Fairview and Meadowbrook.
Rice County	$0	$80,000	$20,000	This project will enhance the Rice County SSTS program by providing additional maintenance activities, follow-up of over 350 IPHT systems identified through inventory activities, property transfers, CUPs, and variances. In addition, funds are being requested to offer a voluntary upgrade incentive program to aid in increased enforcement.
Le Sueur County	$350,396	$30,612	$409,000	This project will complete a septic system inventory of shoreland parcels on the Jefferson-German chain of lakes. A past survey showed that over 500 residents on the chain approved of having a septic inspection. There is a sewer district and a detailed septic inventory is needed.
Beltrami County	$0	$41,500	$35,000	Beltrami County will utilize Clean Water Funding to expand and enhance its SSTS program through landowner education, professional workshops, creating an electronic database, staff training, and assisting other LGU's.
Todd County	$0	$107,263	$56,000	Through a collaborative effort between the Todd County Board of Commissioners, county administration, Sauk River Watershed District, and lake associations, a systematic septic inventory program has begun. Four lakes with 1200 parcels total have been researched and groundtruthed for imminent health threats and will have compliance inspections completed by 2011.
Anoka County	$0	$30,250	$7,961	Anoka County is submitting this application on behalf of and in partnership with the City of Columbus. The City of Columbus is applying for this grant to replace an outdated septic system pumping and monitoring computer software. The current software no longer has software support from its vendor for software changes or updates nor does it have the capability to be supported by future versions of a windows based operating system.
Totals	**$366,975**	**$370,573**	**$560,661**	***Includes 5% admin maximum**

Table A-3: FY 2011 SSTS Abatement Grants

County	Applicant	#of Imminent Health Threat Abatements	Grant Award
Pipestone	Pipestone SWCD	9	$47,368
Martin	Martin County Planning & Zoning	17	$223,210
Chippewa	Chippewa County Land & Resource Management	1	$7,795
Stearns	Stearns County Environmental Services	45	$420,285
Scott	Scott County	3	$40,095
Big Stone	Big Stone County Environmental Services	3	$30,928
Lincoln	Lincoln County Environmental Office	5	$21,053
Rice	Rice County	5	$18,947
Dodge	Dodge County Environmental Services	7	$45,513
Pennington	Pennington County	2	$15,789
Mille Lacs	Mille Lacs County - Land Services Department	5	$47,959
Meeker	Meeker County	10	$55,453
Beltrami	Beltrami County Environmental Services	1	$6,400

Table A-3: FY 2011 SSTS Abatement Grants

County	Applicant	#of Imminent Health Threat Abatements	Grant Award
McLeod	McLeod County Environmental Services	8	$46,000
Chisago	Chisago County Environmental Services/Zoning	9	$47,368
Lake	Lake County	6	$84,000
Lake of the Woods	Lake of the Woods County Land & Water Planning Office	15	$113,158
Jackson	Jackson County	6	$45,900
Cook	Tofte-Schroeder Sanitary Sewer District	15	$40,000
Total		**172**	**$1,357,221**

Table A-4: FY 2011 Clean Water Fund Conservation Drainage Grants

County	Applicant	Project Title	Project Abstract	Total Grant Request	Total Grant Awarded
Cottonwood and Jackson	Cottonwood and Jackson SWCDs	Fish Lake Outlet Mitigation Project	This project will eliminate nitrogen and fecal bacteria from all tile outlets entering Fish lake. We will use wood chip bio reactors to remove the nitrogen and a joint wastewater treatment system to remove the septic discharge. All landowners have been contacted and have agreed to proceed with the project.	$268,000	$255,900
Dodge	Dodge County Environmental Services	Improving Woodchip Bioreactors for Agricultural Nitrate and Phosphorus Reduction	This project involves the installation of a woodchip bioreactor on a tile-drained agricultural field, which will feature improvements in design, and monitoring scope, as compared to a previous bioreactor constructed in Dodge County in 2007. This bioreactor should demonstrate a cost-effective way for agricultural producers to reduce the nitrate level of tile discharge water, and further the understanding of how these same units can aid in phosphorus management as well.	$30,000	$30,000
Red Lake	Red Lake County SWCD	Red Lake Watershed District Ditch 3 & Ditch 7 Project	Red Lake County SWCD will work cooperatively with the Red Lake Watershed District (RLWD) and the landowners involved to reduce erosion, provide temporary detention and eliminate sediment deposition along the Red Lake Watershed District Ditch #3 system by installing eight side water inlet structures and along the Red Lake Watershed District Ditch #7 system by installing eight side water inlet structures in Red Lake County.	$55,368	$27,600

Table A-5: FY2011 Feedlot Water Quality Management Grants

County	Applicant	#of Projects	Total BWSR Award
Anoka	Anoka Conservation District	2	$39,946
Goodhue	Goodhue County	1	$143,561
Winona	Winona SWCD	16	$893,950
Lyon	Lyon SWCD	1	$87,629
Wright	Wright SWCD	2	$46,316
Wabasha	Wabasha County Environmental Services	2	$128,421
Houston	Root River SWCD	1	$59,474
Fillmore	Fillmore SWCD	7	$457,118
Brown	Brown County	2	$56,525
Nobles	Nobles SWCD	1	$173,961
Pope	Pope SWCD	1	$63,032
Olmsted	Olmsted SWCD	3	$103,955
Winona	SE MN Technical JPB	0*	$183,000
Total		39	$2,436,888

*Technical assistance provided to assist with the installation of FY10-11 CWF Feedlot Projects in a multi-SWCD Technical Service Area

Appendix B: Estimated Intermediate Outcomes

Year	County	Awarded Organization	Project Title	Impaired Water	Completed TMDL	Name of TMDL Study	TMDL Phosphorus Reduction Needed (lb)	Estimated Phosphorus Reductions (lb/yr)	TMDL Phosphorus Reduction (%)	TMDL Sediment Reduction Needed (T)	Estimated Sediment Reductions (T/yr)	TMDL Sediment Reduction (%)	Keeping Water on the Land (acre-ft)
2010	Norman and Mahnomen	Wild Rice WD	Lower Wild Rice River (LWRR) Turbidity Project	Yes	Yes	Lower Wild Rice River Turbidity TMDL				13176		<5	273
2011	Rock	Rock SWCD	Rock River Turbidity and Fecal Coliform Reduction	Yes	Yes	Rock River Turbidity and Fecal Coliform TMDL		11.53		2502	11.53	0.5	
2011	Wilkin	Wilkin SWCD	Lower Otter Tail River Sediment Reduction Project Phase IV	Yes	Yes	Lower Otter Tail River TMDL				6800	511	7.5	
2011	Hennepin	Bassett Creek WMO	Wirth Lake Outlet Modification Project	Yes	Yes	Wirth Lake Excessive Nutrient TMDL	48	55	100				
2011	Traverse	Bois de Sioux Watershed District	Mustinka River Turbidity TMDL Implementation Project	Yes	Yes	Mustinka River Turbidity TMDL		15625		2,720,186	15625	0.6	
2010	Hennepin	Shingle Creek	New Hope 45th Avenue Pond Improvements Project	Yes	Yes	Twin-Ryan Lakes Excessive Nutrient TMDL	667	41	6.0		10.1		
2010	Rock	Rock SWCD	Rock River Stream Bank Stabilization and Turbidity Reduction	Yes	Yes	Rock River Turbidity and Fecal Coliform TMDL				7730	606	7.8	
2010	Ramsey	Ramsey Washington Metro WD	Maplewood Mall Stormwater Infiltration Retrofit Project	Yes	Yes	Kolman Lake TMDL	209	20	10		2.9		
2010	Wright	Clearwater WD	Reducing Phosphorus Loads to Lake Betsy by Protecting Willow Creek	Yes	Yes	Clearwater River (UM Basin) CD #44 to Lake Betsy: Dissolved Oxygen, Bacteria and Excessive Nutrient TMDL	19136	244	1.3				53.5
2010	Dakota	North Cannon WMO	North Cannon River Watershed Runoff Reduction Project	Yes	Yes	Lower Cannon River Turbidity TMDL	18575	717	4	29565	525	2	
2010	Yellow Medicine, Lincoln, and Lyon	Yellow Medicine River SWCD	SWCDs CWF 2010 Project for the Yellow Medicine Major Watershed	Yes	Yes	Yellow Medicine Fecal Coliform TMDL		1021			840		
2010	Rice, Goodhue, Steele and Waseca	Rice SWCD	Targeted Buffer Installation in the Cannon River Watershed	Yes	Yes	Lower Cannon River Turbidity TMDL	18575	6004	32	29565	5452	18	2.78
2010	Washington	Brown's Creek Watershed District	Stillwater Country Club Water Quality Improvements	Yes	Yes	Brown's Creek Biotic Impairment TMDL		17		547	48	9	18
2010	Kanabec and Mille Lacs	Snake River Management Board	Snake River Watershed Nutrient and Sediment Reduction Project.	Yes	Yes	Groundhouse River Turbidity and Bacteria TMDL		221		1871	262	14	
2010	Dakota	Dakota SWCD	Stormwater Retrofit Partnership in Dakota County	Yes	Yes	Lower Cannon River Turbidity TMDL	18575	8.35	0.05	29565	2.6	0.01	5
2010	Chisago	Comfort Lake Forest Lake WD	Comfort Lake - Forest Lake Watershed District Cattle Exclusion	Yes	Yes	Comfort Lake Forest Lake Excessive Nutrient TMDL	504	255	50				

Appendix B: Estimated Intermediate Outcomes

Year	County	Awarded Organization	Project Title	Impaired Water	Completed TMDL	Name of TMDL Study	TMDL Phosphorus Reduction Needed (lb)	Estimated Phosphorus Reductions (lb/yr)	TMDL Phosphorus Reduction (%)	TMDL Sediment Reduction Needed (T)	Estimated Sediment Reductions (T/yr)	TMDL Sediment Reduction (%)	Keeping Water on the Land (acre-ft)
2010	South St. Louis	South St. Louis SWCD	Knife River Sediment Reduction BMP Implementation	Yes	Yes	Knife River Turbidity TMDL			8	124 (med flows) 1460 (high flows)	113	8	
2010	Multi-County	GBERBA	Implementing Targeted BMPs in the Greater Blue Earth River Watershed	Yes	Yes	Lower Minnesota River Dissolved Oxygen TMDL	29667	645	2		615		
2010	Redwood, Cottonwood	RCRCA	SWCD's Incentives and BMPs in the Redwood and Cottonwood Watersheds	Yes	Yes	Lower Minnesota River Dissolved Oxygen TMDL	29667	8,062	27		700		
2011	Washington	Brown's Creek Watershed District	Brown's Creek Thermal Load Reduction	Yes	Yes	Brown's Creek Biotic Impairment TMDL		4.4		547	12.7	2	3.9
2011	Ramsey	Ramsey Washington Metro WD	North Saint Paul Living Street Project	Yes	Yes	Kolman Lake TMDL	209	3.6	2		0.5		3.4
2011	Carver	Carver County WMO	Reitz Lake Restoration Project	Yes	Yes	Reitz Lake	893	207	23		1		
2011	Murray	Murray County	Jackson-Cottonwood-Murray West Fork Des Moines River BMP Project	Yes	Yes	West Fork Des Moines River TMDL		288			199		
2010	Scott	Scott County	Native Grass Cost Share and Incentives For Runoff Reduction	Yes	Yes	Lower Minnesota River Dissolved Oxygen TMDL	29667	189	0.6				35
2010	Scott	Scott County	Upper Porter and Picha Creek Restorations, Scott County	Yes	Yes	Lower Minnesota River Dissolved Oxygen TMDL	29667	2690	9				
2011	Scott	Prior Lake-Spring Lake Watershed District	Spring and Prior Lake Upper Watershed Stormwater Runoff Volume Reduction	Yes	No	Spring Lake - Upper Prior Lake Excessive Nutrient TMDL (in draft)	1568	413	26				
2010	Hennepin	Nine Mile Creek WD	Hopkins Streambank Stabilization and Habitat Restoration Project	Yes	No	Ninemile Creek: Impaired Biota, Turbidity & Chloride TMDL (in progress)					464		
2011	Scott	Prior Lake-Spring Lake Watershed District	Upper Prior Lake – Targeted Stormwater BMP Retrofits & Enhancements	Yes	No	Spring Lake - Upper Prior Lake Excessive Nutrient TMDL (in draft)	1568	67	4		7.6		
2010	Nobles	Nobles SWCD	Kanaranzi –Little Rock Watershed District Stimulus Project Completion	Yes	No			1098			1098		
2010	Aitkin	Aitkin SWCD	Water Quality Improvement Projects for the Big Sandy Lake Watershed	Yes	No	Big Sandy Lake Excessive Nutrient TMDL (in draft)	12494	35.5	0.30		21.21		0.03
2010	Wilkin	Wilkin Soil and Water Conservation District	Whiskey Creek Water Quality Improvement/Sediment Reduction Project	Yes	No	Red River Turbidity TMDL (in progress)					913.5		
2010	Blue Earth	Blue Earth SWCD	Reducing turbidity using natural channel management in the LeSueur River	Yes	No	Minnesota River Turbidity TMDL (in progress)					4811		
2010	Benton	Benton SWCD	Benton SWCD Animal Waste Management and Irrigation Water Management	Yes	No	Little Rock Creek Biotic Impairmentn TMDL (in progress)		1750					133
2010	Hennepin	Bassett Creek Watershed Management Commission	Bassett Creek and Plymouth Creek Stream Stabilization Projects	Yes	No	Medicine Lake TMDL (in progress)	1287	396	31		138		0.62
2010	Hennepin	City of Savage	Utica Ravine Stabilization, Savage Minnesota	Yes	No	Credit River Turbidty TMDL (in progress)					50		
2010	Pennington	Pennington SWCD	Erickson Group Streambank Stabilization	Yes	No	Thief River TMDL (in progress)		137			119		
2010	Nobles	Nobles SWCD	Nobles County Conservation Structural Practices	Yes	No			205			205		

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Year	County	Awarded Organization	Project Title	Impaired Water	Completed TMDL	Name of TMDL Study	TMDL Phosphorus Reduction Needed (lb)	Estimated Phosphorus Reductions (lb/yr)	TMDL Phosphorus Reduction (%)	TMDL Sediment Reduction Needed (T)	Estimated Sediment Reductions (T/yr)	TMDL Sediment Reduction (%)	Keeping Water on the Land (acre-ft)
2010	Goodhue	Goodhue SWCD	Minneola Township Water Retention / Watershed Enhancement Project	Yes	No	Zumbro River Watershed Excess Nutrient and Turbidity TMDL (in progress)		301			301		5.3
2010	Stevens	Stevens SWCD	Stevens County Water Quality Initiative	Yes	No	Pomme de Terre River Turbidity TMDL (in progress)							
2010	Sherburne	Sherburne SWCD	Sherburne SWCD 2010 Land Treatment Projects	Yes	No	Elk River Multiple Impairment TMDL (in progress)		360			398		0.674
2010	Pope	Pope SWCD	Glenwood Dairyland Basin Stormwater Mitigation Project	Yes	No			514			603		
2010	Hennepin	Shingle Creek	Shingle Creek Restoration, I-94 to CR 10, Brooklyn Center	Yes	No	Shingle Creek Low Dissolved Oxygen and Biotic TMDL (in progress)					1.35		
2011	Red Lake	Red Lake Watershed District	Grade Stabilization for Reduction of Sedimentation in the Thief River	Yes	No	Thief River TMDL (in progress)					419		
2011	Benton	Benton SWCD	Little Rock Impaired Waters Kickoff	Yes	No	Little Rock Creek Biotic Impairmentn TMDL (in progress)		244			287		
2011	Nobles	Nobles SWCD	Langseth Family (Lake Ocheda) Shoreline Improvement Project	Yes	No			475			475		
2011	Mower	Cedar River Watershed District	Dobbins Creek Watershed Restoration	Yes	No			180			937		
2011	Grant	Pomme De Terre River Association	Pomme de Terre River Watershed Best Management Practice (BMP) Initiative	Yes	No	Pomme de Terre River Turbidity TMDL (in progress)							
2011	Stearns	Sauk River Watershed District	Sauk River Stormwater Runoff Reduction and Riparian Restoration Project	Yes	No	Sauk River Chain of Lake Excessive Nutrient TMDL (in progress)		392			5440		589
2011	Pennington	Pennington SWCD	Judicial Ditch #30 & #18 Buffer Initiative	Yes	No	Thief River TMDL (in progress)		5130			488		
2011	St. Louis	South St. Louis SWCD	Miller Creek Urban Trout Stream Restoration Projects	Yes	No	Miller Creek Temperature and Lack of Cold Water Assemblage TMDL (in progress)							42.5
2011	Kittson	Two Rivers Watershed District	Lake Bronson Watershed Runoff Reduction Project	Yes	No			6424			400		
2011	Lake of the Woods	Lake of the Woods Soil and Water Conservation District	Bostic and Zippel Watershed Stabilization and Water Retention Project	Yes	No			70			121		
2011	Todd	Todd Soil & Water Conservation District	Swan River Headwaters Clean Water Fund	Yes	No			677			70		
2011	Hennepin	City of St. Louis Park	Minnehaha Creek Stream Meander - St. Louis Park	Yes	No			150					
2011	Sherburne	Elk River Watershed Association	Elk River Watershed Pollution Loading Reduction Project	Yes	No	Elk River Multiple Impairment TMDL (in progress)		621					
2011	Clay	Buffalo-Red River Watershed District	Wolverton Creek Restoration and Sediment Reduction Project	Yes	No	Red River Turbidity TMDL (in progress)		59480			51995		
2011	Chisago	Chisago Soil and Water Conservation District	Chain of Lakes Stormwater Retrofit Assessment Best Management Practices	Yes	No	Chisago Lakes Nutrient Impairment TMDL (in progress)		27.5			10		13

Appendix B: Estimated Intermediate Outcomes

Year	County	Awarded Organization	Project Title	Impaired Water	Completed TMDL	Name of TMDL Study	TMDL Phosphorus Reduction Needed (lb)	Estimated Phosphorus Reductions (lb/yr)	TMDL Phosphorus Reduction (%)	TMDL Sediment Reduction Needed (T)	Estimated Sediment Reductions (T/yr)	TMDL Sediment Reduction (%)	Keeping Water on the Land (acre-ft)
2011	Clay	Buffalo-Red River Watershed District	Upper South Branch BMP Strategic Implementation Plan	Yes	No	Red River Turbidity TMDL (in progress)		16			16		
2011	Scott	Scott Watershed Management Organization	Sand Creek & Prior Lake/Spring Lake Watersheds Wetland Restoration Project	Yes	No	Sand Creek Multiple Impairments TMDL (in progress)		3000			216		400
2011	Pennington	Pennington SWCD	Halvorson Streambank Restoration	Yes	No	Thief River TMDL (in progress)		81			70		
2011	Carlton	Carlton SWCD	Elim Creek Restoration Through Aging Sediment Retention Structure Removal	Yes	No	Nejamdi River Turbidity TMDL (in progress)					304		
2011	Chisago	Chisago SWCD	St. Croix River escarpment gully stabilization inventory and outreach program	Yes	No	Lake St. Croix Excessive Nutrient TMDL (In progress)							
2011	Becker	Becker SWCD	Campbell Creek Phosphorus and Sedimentation Reduction Project	Yes	No			157			136		
2011	Washington	Middle St. Croix WMO	Lily Lake Stormwater Retrofit Project	Yes	No			9.5			4.3		7.7
2011	Polk	East Polk SWCD	Sand Hill River Watershed Accelerated Erosion Area BMP's	Yes	No			21.2			18.4		
2011	Hennepin	City of Orono	Stubbs Bay Ravine Stabilization	Yes	No			31.8			27.7		
2011	Scott	Scott WMO	Cedar & O'Dowd Lake Shoreline Improvements	Yes	No			11					
2011	Becker	Buffalo-Red River Watershed District	Continuation of Hay Creek/Stinking Lake Sediment Reduction Project	Yes	No			172			240		
2011	Chisago	Chisago Soil and Water Conservation District	Implementation of Water-Smart Best Management Practices at Schools and Libraries	Yes	No	Lake St. Croix Excessive Nutrient TMDL (In progress)		4.8			1.1		2
2011	Red Lake	Red Lake Watershed District	Grand Marais Creek Cut Channel Stabilization Project	Yes	No	Red River Turbidity TMDL (in progress)					700		
2011	Chisago	Chisago Soil and Water Conservation District	Stabilization of erosion concerns adjacent to public roads and rivers	Yes	No	Lake St. Croix Excessive Nutrient TMDL (In progress)		244			275		
2011	Blue Earth	Blue Earth SWCD	Blue Earth County Ravine and Stream Channel Stabilization Design Assistance	Yes	No	Lowe Minnesota Turdidity TMDL (in progres)							
2010	Mille Lacs and Benton	Mille Lacs SWCD	Randy Miskowic Shoreline Restoration and Accelerated Nutrient and Manure Management Planning	No	No			30					
2010	Becker	Pelican River	Rice Lake Wetland Nutrient Reductions	No	No			5027					860
2010	Crow Wing	Crow Wing SWCD	Recharge! Restoring Natural Hydrology to Crow Wing County Urban Communities	No	No			20			4		15
2011	Ramsey	Ramsey Conservation District	Protecting Ramsey County's Drinking Water Supply Management Areas	No	No								
2011	Lincoln	Lincoln SWCD	Verdi Wellhead Protection Area Project - 2011	No	No			235			165		
2011	Red Lake	Red Lake County SWCD	Accelerated Erosion Control Projects in the Red Lake River Watershed	No	No						1500		
2011	Winona	Winona County	Winona County Well Sealing Cost share Project	No	No								

Appendix B: Estimated Intermediate Outcomes

Year	County	Awarded Organization	Project Title	Impaired Water	Completed TMDL	Name of TMDL Study	TMDL Phosphorus Reduction Needed (lb)	Estimated Phosphorus Reductions (lb/yr)	TMDL Phosphorus Reduction (%)	TMDL Sediment Reduction Needed (T)	Estimated Sediment Reductions (T/yr)	TMDL Sediment Reduction (%)	Keeping Water on the Land (acre-ft)
2011	Olmsted	Olmsted SWCD	Protecting Groundwater by Assisting Oronoco Residents in Well Sealing	No	No								
2011	Otter Tail	East Otter Tail SWCD	East Otter Tail Groundwater Protection Project	No	No								
2011	Isanti	Isanti County Zoning Department	Isanti County Native Grass/ Stormwater BMP Demonstration Project	No	No			202			337		
2011	Red Lake	Red Lake County SWCD	Accelerated Streambank & Shoreland Projects in the Clearwater River Watershed.	No	No						300		
2011	Pennington	Pennington SWCD	The Ralph Engelstad Arena Raingarden Project	No	No			19.5			2738		
2011	Aitkin	Aitkin SWCD	Cedar and Farm Island Lakes, Reversing the Downward Trend	No	No			6.28			1.3		
2010	Dakota	Gun Club WMO	Schwanz Lake Direct-Drainage Targeted Neighborhood Runoff-Reduction Project	No	No			12.2			2.2		12.2
2010	Hennepin	Minnehaha Creek WD	Go Blue! Diamond Lake Community Makeover 2010	No	No			3.3					4.85
2010	Stearns	Stearns SWCD	Pine Edge Dairy: installation of waste storage facility	No	No								
2010	Ramsey	Capitol Region WD	Green Infrastructure for the Central Corridor Light Rail Transit (CCLRT)	No	No			83			20		65
2010	Ramsey	Grass Lake WMO	Aladdin Street Bio-Infiltration Basin Retrofit Installation	No	No			2.5			0.44		2.6
2010	Aitkin, Mille Lacs and Crow Wing	Aitkin SWCD	Implementation Projects for the Mille Lacs Lake Watershed	No	No			18.315			5.69		0.064
2010	Stearns	Stearns SWCD	Watershed Based Infiltration For Middle Spunk Lake	No	No			6.3			0.95		0.15
2010	Stearns	Stearns SWCD	Enhanced Shoreline Restoration, Infiltration and Protection Program	No	No			460			344		0.09
2011	Crow Wing	Crow Wing Soil and Water Conservation District	Catch, Clean, Circulate, Stormwater Management for Gull and Trout Lakesheds	No	No			7.6			0.27		0.6
2011	Washington	Washington Conservation District	Powers Lake Priority Subwatershed Retrofit Project	No	No			11.2					10.2
2011	Washington	Washington Conservation District	Armstrong Lake Restoration - Oakdale Library Water Quality Retrofit	No	No			10					55
2011	Cass	Cass Soil and Water Conservation District	Cass County Water Quality Enhancement and Shoreline Protection Project	No	No			10			10		

Appendix C: Comparison of Estimated Number of Non-compliant SSTS by County to Projects Funded					
Jurisdiction	**Total # SSTS**	**Calculated # of Failing**	**Calculated # of ITPH**	**CWF SSTS Projects in FY 2010**	**CWF SSTS Projects in FY 2011**
Aitkin County	14,103	1,551	141		
Anoka County	200	20	-		
Becker County	-	-	-		
Beltrami County	8,076	-	-		1
Benton County	5,214	1,564	261		
Big Stone County	1,661	399	133		3
Blue Earth County	6,014	2,045	1,022		
Brown County	2,302	645	645		
Carlton County	7,400	1,480	444		
Carver County	4,297	1,117	602		
Cass County	21,543	4,309	431	62	
Chippewa County	2,227	156	1,136		1
Chisago County	7,450	1,863	0	8	9
Clay County	2,904	581	290		
Clearwater County	3,350	1,843	168		
Cook County	4,351	1,305	218		15
Cottonwood County	1,632	196	783		
Crow Wing County	17,708	1,919	159	3	
Dakota County	1,045	79	21		
Dodge County	2,841	-	-	6	7
Douglas County	5,060	708	51		
Faribault County	2,112	21	891		
Fillmore County	3,788	189	114		
Freeborn County	3,981	1,592	836	10	
Goodhue County	5,210	1,824	1,303		
Grant County	1,055	200	106		
Hennepin County	-	-	-		
Houston County	55	15	11		
Hubbard County	17,570	4,423	354		
Isanti County	8,803	1,232	88		
Itasca County	15,558	4,201	467		
Jackson County	3,277	1,966	-		6
Kanabec County	6,535	1,307	-		
Kandiyohi County	6,846	2,396	342		
Kittson County	980	245	-		
Koochiching County	1,951	1,346	195		
Lac qui Parle County	1,792	627	-		
Lake County	5,248	577	420		6
Lake of the Woods	2,650	265	27		15
Le Sueur County	7,122	1,424	1,424		
Lincoln County	1,788	903	376		5

Appendix C: Comparison of Estimated Number of Non-compliant SSTS by County to Projects Funded					
Jurisdiction	**Total # SSTS**	**Calculated # of Failing**	**Calculated # of ITPH**	**CWF SSTS Projects in FY 2010**	**CWF SSTS Projects in FY 2011**
Lyon County	2,300	759	115		
Mahnomen County	-	-	-		
Marshall County	2,800	1,120	280		
Martin County	2,400	408	408		17
McLeod County	4,108	1,643	1,027	4	8
Meeker County	5,550	1,554	1,055	21	10
Mille Lacs County	5,619	1,405	562		5
Morrison County	9,658	2,415	483		
Mower County	3,631	2,179	363		
Murray County	1,115	100	479	9	
Nicollet County	2,656	452	797		
Nobles County	2,182	873	436		
Norman County	1,161	116	58		
Olmsted County	4,140	869	207		
Otter Tail County	23,050	5,763	1,153		
Pennington County	1,200	180	24		2
Pine County	4,897	1,959	1,224		
Pipestone County	1,371	137	823	8	9
Polk County	6,000	900	120		
Pope County	6,012	1,503	-		
Ramsey County	1,798	-	-		
Red Lake County	833	8	8		
Redwood County	2,550	1,020	510		
Renville County	2,486	497	945		
Rice County	7,153	1,288	1,574	5	5
Rock County	1,305	548	261		
Roseau County	3,925	-	-		
Scott County	9,143	1,737	91		3
Sherburne County	13,559	1,627	136		
Sibley County	2,606	365	886		
St. Louis	32,086	11,872	963		
Stearns County	16,436	2,794	329		45
Steele County	3,028	908	606		
Stevens County	1,182	24	355		
Swift County	3,969	1,985	1,072		
Todd County	8,278	2,070	828		
Traverse County	846	152	42		
Wabasha County	3,966	873	476		
Wadena County	3,648	1,058	511		
Waseca County	2,328	466	372		
Washington County	14,691	441	441		

Appendix C: Comparison of Estimated Number of Non-compliant SSTS by County to Projects Funded					
Jurisdiction	**Total # SSTS**	**Calculated # of Failing**	**Calculated # of ITPH**	**CWF SSTS Projects in FY 2010**	**CWF SSTS Projects in FY 2011**
Watonwan County	1,292	323	388		
Wilkin County	1,060	594	32		
Winona County	4,735	1,515	568		
Wright County	15,101	4,530	302		
Yellow Medicine	1,737	434	434		
TOTALS	**465,290**	**107,995**	**35,197**	**136**	**172**

Appendix D: Comparison of Estimated 2011 Non-compliant Feedlots to Projects Funded				
County	All Feedlots Required to be Registered by County	Estimated Non-Compliant Feedlots under 300AU**	# of CWF Feedlot Projects in FY 2010	# of CWF Feedlot Projects in FY 2011
Aitkin	Data not available*	Data not available*	1	
Anoka	Data not available*	Data not available*		2
Benton	Data not available*	Data not available*	3	
Big Stone	64	13		
Blue Earth	292	52		
Brown	371	77		2
Carver	265	66		
Clay	114	26		
Cottonwood	274	54		
Dakota	203	40		
Dodge	257	54	5	
Douglas	410	106	1	
Faribault	409	85		
Fillmore	862	203	3	7
Freeborn	331	73		
Goodhue	679	166		1
Houston	446	112	1	1
Jackson	328	60		
Kandiyohi	415	94		
Lac Qui Parle	170	38		
Lake of the Woods	29	8		
Le Sueur	190	36		
Lincoln	416	103		
Lyon	278	18		1
Marshall	67	16		
Martin	376	48		
McLeod	354	89		
Meeker	296	72		
Morrison	566	130	5	
Mower	354	70		
Murray	449	85		
Nicollet	307	66		
Nobles	403	71		1
Norman	43	11		
Olmsted	Data not available*	Data not available*		3
Pennington	53	12		
Pipestone	492	106		
Polk	81	18		
Pope	329	79		1
Red Lake	43	9		
Renville	281	60	2	
Rice	338	77		
Rock	472	92		
Scott	168	42		
Sibley	327	77		
Stearns	1,502	364	3	

Appendix D: Comparison of Estimated 2011 Non-compliant Feedlots to Projects Funded				
County	**All Feedlots Required to be Registered by County**	**Estimated Non-Compliant Feedlots under 300AU****	**# of CWF Feedlot Projects in FY 2010**	**# of CWF Feedlot Projects in FY 2011**
Steele	271	58		
Stevens	135	22		
Swift	138	28		
Todd	723	183		
Traverse	40	8		
Wabasha	507	129		2
Wadena	129	31		
Waseca	212	43	1	
Washington	Data not available*	Data not available*	2	
Watonwan	163	29		
Winona	589	143	9	16
Wright	292	72		2
Yellow Medicine	288	63		
Grand Totals:	**17,591**	**3882**	36	39

*Counties that do not participate in the MPCA delegated County feedlot program
**Data based on 2011 registration data from MPCA database. Assumes 27% of feedlots under 300 AUs non-compliant