



Grant All-Detail Report 2011 - Clean Water Assistance

Grant Title - 2011 - Clean Water Assistance - Chisago (SWCD)

Grant ID - C13-3694

Organization - Chisago SWCD

Grant Awarded Amount	\$357,895.00	Grant Execution Date	
Required Match Amount	\$89,473.75	Grant End Date	1/1/2020
Required Match %	25%	Grant Day To Day Contact	

Budget Summary

	Budgeted	Spent	Balance Remaining
Total Grant Amount	\$357,895.00	\$357,895.00	\$0.00
Total Match Amount	\$100,730.11	\$100,730.11	\$0.00
Total Other Funds	\$15,000.00	\$15,000.00	\$0.00
Total	\$473,625.11	\$473,625.11	\$0.00

Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2010 MCD - Mulligan Court	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$3,375.52	\$3,375.52	10/13/2011	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2010 MCD - Mulligan Court	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant - Landowner Match	\$781.30	\$781.30	10/13/2011	Y
2010 MCD - Mulligan Court	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant Match - Chisago Lakes Lake Improvement District	\$1,125.17	\$1,125.17	10/13/2011	Y
2010 MCD - Mulligan Court	Urban Stormwater Management Practices	Other Funds	2010 - Anoka Directed CWF - Anoka (SWCD)	\$15,000.00	\$15,000.00	10/13/2011	N
2011 CWF (Admin) Chain of Lakes Stormwater Retrofit Assessment BMPs	Administration /Coordination	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$11,526.00	\$11,526.00	9/10/2013	N
2011 CWF (Admin) Implementation of Water-Smart Best Management Practices at Schools and Libraries	Administration /Coordination	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$1,895.00	\$1,895.00	11/2/2011	N
2011 CWF (Admin) Stabilization of erosion concerns adjacent to public roads and rivers	Administration /Coordination	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$4,474.00	\$4,474.00	9/13/2013	N
2011 CWF (Proj Dev - CR 81) Stabilization of erosion concerns adjacent to public roads and rivers	Project Development	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$0.00			N
2011 CWF (Tech Eng- Mallery Jerseys)	Technical/Engineering Assistance	Current State Grant	2011 - clean water assistance - chisago (swcd)	\$1,000.00	\$1,000.00	9/18/2013	N
2011 CWF (Tech Eng-CLMS) Implementation of Water-Smart Best Management Practices at Schools and Libr	Technical/Engineering Assistance	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$5,000.00	\$5,000.00	11/2/2011	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2011 CWF (Tech Eng-CLMS) Implementation of Water-Smart Best Management Practices at Schools and Libr	Technical/Engineering Assistance	Local Fund	2011 CWF Grant Match - Chisago Lakes Lake Improvement District	\$2,000.00	\$2,000.00	11/2/2011	Y
2011 CWF (Tech Eng-RCHS) Implementation of Water-Smart Best Management Practices at Schools and Libr	Technical/Engineering Assistance	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$1,000.00	\$1,000.00	11/2/2011	N
2011 CWF (Tech Eng-Wyoming) Implementation of Water-Smart Best Management Practices at Schools and L	Technical/Engineering Assistance	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$3,000.00	\$3,000.00	11/2/2011	N
2011 CWF (Tech/Eng - Center Lakes) - Chain of Lakes SRA BMPs	Technical/Engineering Assistance	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$15,000.00	\$15,000.00	11/27/2012	N
2011 CWF (Tech/Eng - Center Lakes) - Chain of Lakes SRA BMPs	Technical/Engineering Assistance	Local Fund	2011 CWF Grant Match - Chisago Lakes Lake Improvement District	\$5,000.00	\$5,000.00	11/27/2012	Y
2011 CWF (Tech/Eng - Co Rd 81) Stabilization of erosion concerns adjacent to public roads and rivers	Technical/Engineering Assistance	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$690.00	\$690.00	8/1/2011	N
2011 CWF (Tech/Eng - Co Rd 81) Stabilization of erosion concerns adjacent to public roads and rivers	Technical/Engineering Assistance	Local Fund	2011 CWF Grant Match - Chisago County Public Works	\$0.00			Y
2011 CWF (Tech/Eng - Kost Dam) Stabilization of erosion concerns adjacent to public roads and rivers	Technical/Engineering Assistance	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$5,467.14	\$5,467.14	9/30/2013	N
2011 CWF (Tech/Eng - Kost Dam) Stabilization of erosion concerns adjacent to public roads and rivers	Technical/Engineering Assistance	Local Fund	2011 CWF Grant Match - Sunrise Township	\$1,000.00	\$1,000.00	1/11/2013	Y
2011 CWF (Tech/Eng - Lindstrom Lakes) - Chain of Lakes SRA BMPs	Technical/Engineering Assistance	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$28,000.00	\$28,000.00	11/27/2012	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2011 CWF (Tech/Eng - Lindstrom Lakes) - Chain of Lakes SRA BMPs	Technical/Engineering Assistance	Local Fund	2011 CWF Grant Match - Chisago Lakes Lake Improvement District	\$10,000.00	\$10,000.00	11/27/2012	Y
2011 CWF (Tech/Eng-CC CR 20) Stabilization of erosion concerns adjacent to public roads and rivers	Technical/Engineering Assistance	Current State Grant	2011 - clean water assistance - chisago (swcd)	\$998.70	\$998.70	9/30/2013	N
2011 CWF (Tech/Eng-CR 20) Stabilization of erosion concerns adjacent to public roads and rivers	Technical/Engineering Assistance	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$2,040.00	\$2,040.00	11/27/2012	N
2011 CWF (Tech/Eng-CR 20) Stabilization of erosion concerns adjacent to public roads and rivers	Technical/Engineering Assistance	Local Fund	City of Lindstrom	\$3,711.25	\$3,711.25	12/17/2012	Y
2011 CWF (Tech/Eng-Taylor's Falls) Stabilization of erosion concerns adjacent to public roads and riv	Technical/Engineering Assistance	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$1,680.00	\$1,680.00	11/27/2012	N
2011 CWF - Center Lakes SRA BMPs - Chisago County Government Center	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$34,533.00	\$34,533.00	7/24/2013	N
2011 CWF - Center Lakes SRA BMPs - Chisago County Government Center	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant Match - Chisago Lakes Lake Improvement District	\$11,511.00	\$11,511.00	7/24/2013	Y
2011 CWF - Center Lakes SRA BMPs - Chisago Lake Lutheran Church	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$22,478.81	\$22,478.81	12/1/2011	N
2011 CWF - Center Lakes SRA BMPs - Chisago Lake Lutheran Church	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant Match - Chisago Lakes Lake Improvement District	\$7,492.94	\$7,492.94	12/1/2011	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2011 CWF - Center Lakes SRA BMPs - Downtown Center City BMPs	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$22,546.08	\$22,546.08	12/1/2011	N
2011 CWF - Center Lakes SRA BMPs - Downtown Center City BMPs	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant Match - Chisago Lakes Lake Improvement District	\$7,675.36	\$7,675.36	12/1/2011	Y
2011 CWF - Center Lakes SRA BMPs - Grimm Rain Garden	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$5,000.00	\$5,000.00	11/15/2012	N
2011 CWF - Center Lakes SRA BMPs - Lakes Free Church	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$5,027.94	\$5,027.94	9/12/2012	N
2011 CWF - Center Lakes SRA BMPs - Lakes Free Church	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant Match - Chisago Lakes Lake Improvement District	\$1,675.98	\$1,675.98	9/12/2012	Y
2011 CWF - Lindstrom Lakes SRA BMPs - City of Lindstrom Northwoods Roasterie	Urban Stormwater Management Practices	Current State Grant	2011 - clean water assistance - chisago (swcd)	\$5,726.06	\$5,726.06	9/10/2013	N
2011 CWF - Lindstrom Lakes SRA BMPs - City of Lindstrom Northwoods Roasterie	Urban Stormwater Management Practices	Local Fund	Chisago Lakes LID	\$126.97	\$126.97	9/10/2013	Y
2011 CWF - Lindstrom Lakes SRA BMPs - Lakes Free Church	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$5,027.95	\$5,027.95	9/12/2012	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2011 CWF - Lindstrom Lakes SRA BMPs - Lakes Free Church	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant Match - Chisago Lakes Lake Improvement District	\$1,675.98	\$1,675.98	9/12/2012	Y
2011 CWF - Lindstrom Lakes SRA BMPs - Waters Edge Condominiums	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$28,458.10	\$28,458.10	11/27/2012	N
2011 CWF -Center Lakes SRA BMPs - Chisago County Government Center Parking Lot	Urban Stormwater Management Practices	Current State Grant	2011 - clean water assistance - chisago (swcd)	\$14,207.43	\$14,207.43	8/13/2013	N
2011 CWF -Center Lakes SRA BMPs - Chisago County Government Center Parking Lot	Urban Stormwater Management Practices	Local Fund	Chisago Lakes LID	\$3,843.57	\$3,843.57	8/13/2013	Y
2011 CWF CR 20	Agricultural Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$20,789.16	\$20,789.16	6/11/2013	N
2011 CWF CR 20	Agricultural Practices	Local Fund	2011 CWF Grant Match - Chisago County Public Works	\$4,157.85	\$4,157.85	1/11/2013	Y
2011 CWF CR 20	Agricultural Practices	Local Fund	2011 CWF Grant Match CR 20- Chisago Lakes Lake Improvement District	\$2,772.00	\$2,772.00	1/11/2013	Y
2011 CWF CR 81	Agricultural Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$0.00			N
2011 CWF CR 81	Agricultural Practices	Local Fund	2011 CWF Grant Match - Chisago County Public Works	\$0.00			Y
2011 CWF Chisago County CR 20	Agricultural Practices	Current State Grant	2011 - clean water assistance - chisago (swcd)	\$6,000.00	\$6,000.00	10/14/2013	N
2011 CWF Chisago County CR 20	Agricultural Practices	Landowner Fund		\$6,117.71	\$6,117.71	10/14/2013	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2011 CWF Kost Dam Road	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$24,000.00	\$24,000.00	9/30/2013	N
2011 CWF Kost Dam Road	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant Match - Sunrise Township	\$6,500.00	\$6,500.00	9/30/2013	Y
2011 CWF Taylors Falls	Agricultural Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$12,000.00	\$12,000.00	11/27/2012	N
2011 CWF Taylors Falls	Agricultural Practices	Local Fund	2011 CWF Grant Match-City of Taylors Falls	\$6,190.00	\$6,190.00	11/27/2012	Y
2011 CWF-CLMS BMPs	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$18,000.00	\$18,000.00	10/28/2011	N
2011 CWF-CLMS BMPs	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant Match - Chisago Lakes Lake Improvement District	\$4,000.00	\$4,000.00	10/24/2011	Y
2011 CWF-Center Lake SRA BMPs- Chisago Lakes Golf Course	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$9,375.00	\$9,375.00	9/13/2012	N
2011 CWF-Center Lake SRA BMPs- Chisago Lakes Golf Course	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant Match - Chisago Lakes Lake Improvement District	\$3,125.00	\$3,125.00	9/13/2012	Y
2011 CWF-Center Lakes SRA BMPs- City of Center City Marine Dock	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$0.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2011 CWF-Center Lakes SRA BMPs-City of Center City Marine Dock	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant Match - Chisago Lakes Lake Improvement District	\$0.00			Y
2011 CWF-Lindstrom Lakes SRA BMPs-Chisago Lakes Golf Course	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$9,375.00	\$9,375.00	9/13/2012	N
2011 CWF-Lindstrom Lakes SRA BMPs-Chisago Lakes Golf Course	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant Match - Chisago Lakes Lake Improvement District	\$3,125.00	\$3,125.00	9/13/2012	Y
2011 CWF-Lindstrom Lakes SRA BMPs-City of Lindstrom Beach Park	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$10,869.11	\$10,869.11	9/10/2013	N
2011 CWF-Lindstrom Lakes SRA BMPs-City of Lindstrom Beach Park	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant Match - Chisago Lakes Lake Improvement District	\$3,623.03	\$3,623.03	9/10/2013	Y
2011 CWF-RCHS BMPs	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$2,000.00	\$2,000.00	10/19/2011	N
2011 CWF-RCHS BMPs	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant Match - Rush City School District	\$750.00	\$750.00	9/23/2011	Y
2011 CWF-Roads Temporary Project	Special Projects						
2011 CWF-Wyoming Library	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - Chisago (SWCD)	\$7,000.00	\$7,000.00	9/21/2011	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2011 CWF-Wyoming Library	Urban Stormwater Management Practices	Local Fund	2011 CWF Grant Match - Giese Memorial Wyoming Library	\$2,750.00	\$2,750.00	8/13/2011	Y
2011 Mallery Jerseys	Agricultural Practices	Current State Grant	2011 - clean water assistance - chisago (swcd)	\$10,335.00	\$10,335.00	9/18/2013	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Size / Unit
410 - Grade Stabilization Structure	1	1	1 COUNT
468 - Lined Waterway or Outlet	2	1	0 LINEAR FEET
712M - Bioretention Basin	1	1	675 COUNT
638 - Water and Sediment Control Basin	1	1	0 COUNT
712M - Bioretention Basin	1	1	0.65 COUNT
712M - Bioretention Basin	2	1	2 COUNT
580 - Streambank and Shoreline Protection	1	1	250 LINEAR FEET
350 - Sediment Basin	1	1	1 COUNT
712M - Bioretention Basin	22	1	1 COUNT
712M - Bioretention Basin	1	1	270 COUNT
155M - Storm Water Retention Basins	1	1	0 COUNT
472 - Access Control	1	0	0
712M - Bioretention Basin	2	3	4 COUNT
362 - Diversion	1	1	0 LINEAR FEET

Indicators Summary

Indicator Name	Total Value	Unit
SOIL (EST. SAVINGS)	118.09	TONS/YR
SEDIMENT (TSS)	105.005	TONS/YR
VOLUME REDUCED (ACRE-FEET/YEAR)	49.79	ACRE-FEET/YR
PHOSPHORUS (EST. REDUCTION)	117.15	LBS/YR

Grant Activity

Grant Activity - 2010 MCD - Mulligan Court			
Description	Homeowners within the Olinda Greens Townhome Association contacted our office for assistance in building a rain garden. The SWCD then approached the whole association to complete a larger project.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	26-Sep-11	End Date	Fri Sep 30 00:00:00 CDT 2011
Rates and Hours			
Actual Results	1,600 square feet of bioretention was installed at the Olinda Green Townhomes. Four rain gardens (two curb cut rain gardens and two end of road rain gardens) were designed by Mary Jo Youngbauer (Chisago SWCD Water Resource Technician), reviewed by Andy Schilling (Metro Conservation Districts Landscape Restoration Specialist) and approved by Technical Authority Shawn Tracy (Metro Conservation Districts Landscape Restoration Ecologist). Construction was completed by September 30, 2011.		

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	1
Description			
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	4 COUNT	Installed Date	30-Sep-11

Grant Activity - 2011 CWF (Admin) Chain of Lakes Stormwater Retrofit Assessment BMPs

Description	The Chisago SWCD Water Resource Specialist (Casey Thiel) will be responsible for all eLINK, website, and final reporting documents for the project. The Chisago SWCD District Administrator (Craig Mell) will coordinate the project and provide the data to the Water Resource Specialist to complete all BWSR reporting requirements.		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Apr-11	End Date	
Rates and Hours			
Actual Results	<p>As of 8/10/11 All workplans have been submitted to and approved by BWSR. A Clean Water Fund programs link has been added to our website and is updated on a regular basis. Updates are give at monthly SWCD Board meetings and to the Chisago Lakes Lake Improvement District Board. Plans have also been approved by the Center City Council, Lindstrom City Council, Lakes Free Church Staff, Olinda Greens Townhome Association, and property owners. Elink reporting has been completed for the period of April 1,2011 - August 10, 2011.</p> <p>As of 12/31/11 Reimbursement payments have been issued to the Chisago Lake Luthern Church and the City of Center City. A partial payment was issued to the Lakes Free Church for the portion of the project that has been completed to date. Elink reporting has been completed for the period between August 11-December 31, 2011.</p> <p>As of 7/1/12 Elink reporting has been completed for the period between December 31, 2011 and July 1, 2012.</p> <p>As of 12/17/12 Reimbursment payments have been issued to the Chisago Lakes Golf Course, Lakes Free Church, and the City of Center City for the rain garden at the Grimm Residence. Elink reporting has been completed for the period between July 1 and December 17, 2012. An extension on this grant was approved by BWSR on October 18, 2012.</p> <p>As of July 15, 2013-the contract for the Marine Dock and Lift/City of Center City rain garden project was cancelled and will be re-encumbered to another fund. The cancellation was due to continued delays in project construction that make it unlikely to be completed by the grant deadline.</p> <p>As of September 10, 2013-This grant is closed out. All dollars have been spent and projects completed.</p> <p>As of September 19th, 2013-All projects under this grant are completed and all reporting is completed.</p>		

*Funding was provided in part by the Clean Water Fund from the Clean Water, Land and Legacy Amendment.

Grant Activity - 2011 CWF (Admin) Implementation of Water-Smart Best Management Practices at Schools and Libraries

Description The Chisago SWCD Water Resource Technician will be responsible for all eLINK, website, and final reporting documents for the project. The Chisago SWCD District Administrator will coordinate the project and provide the data to the Water Resource Technician to complete all BWSR reporting requirements.

Category ADMINISTRATION/COORDINATION

Start Date 12-Apr-11 **End Date** Wed Nov 02 00:00:00 CDT 2011

Rates and Hours

Actual Results

As of 7/1/11

All workplans have been submitted to and approved by BWSR.

A Clean Water Fund programs link has been added to our website and is updated on a regular basis.

Updates are given at monthly SWCD Board meetings and to the Chisago Lakes Lake Improvement District Board. Plans have also been approved by the Rush City High School School Board, the Chisago County Board or Commissioners and the Wyoming Area Library Society.

Contracts with the Wyoming Area Library, the Rush City High School and the Chisago Lakes Middle School have been approved by the Chisago SWCD Board of Supervisors. All projects are scheduled to be installed in August and/or September of 2011.

Elink reporting has been completed for the period of April 1,2011 - August 10, 2011.

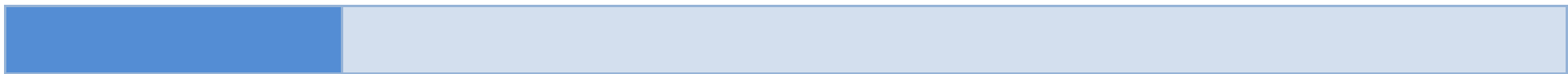
Invoices and receipts have been received, reviewed, and approved for payment. Reimbursement checks have been mailed to the Wyoming Area Llibrary Society, the Rush City High School, and the Chisago Lakes Middle School.

Elink reporting has been completed for the period of August 11, 2011-November 2, 2011.

*Funding was provided in part by the Clean Water Fund from the Clean Water, Land and Legacy Amendment.

Grant Activity - 2011 CWF (Admin) Stabilization of erosion concerns adjacent to public roads and rivers

Description	The Chisago SWCD District Administrator (Craig Mell) will be responsible for all eLINK, website, and final reporting documents for the project.		
Category	ADMINISTRATION/COORDINATION		
Start Date	11-Mar-11	End Date	
Rates and Hours			
Actual Results	<p>As of 8/10/11, 12/31/11 All workplans have been submitted to and approved by BWSR. A Clean Water Fund programs link has been added to our website and is updated on a regular basis. Updates are give at monthly SWCD Board meetings and to the Sunrise Township Board and the Chisago County Public Works Director Joe Triplet. Elink reporting has been completed for this period.</p> <p>As of 7/1/12 Contracts with Sunrise Township were approved on June 14 (SWCD board meeting) and June 21 (Sunrise Town board meeting). Elink reporting has been completed for this period.</p> <p>As of 7/26/2012 The County Road 81 project has been cancelled due to landowner unwillingness and has been replaced with projects at the City of Taylors Falls Public Works building and in Lindstrom along CR 20. This change was approved through a workplan revision on 7/26/2012. Elink reporting has been completed for this period.</p> <p>As of 12/17/2012 Reimbursement checks have been issued to the City of Taylors Falls and the City of Lindstrom. The Kost Dam project is complete, but bills have not yet been submitted. All elink reporting has been completed for this period. An extension for this grant was approved by BWSR on October 18, 2012.</p> <p>As of July 15, 2013- the Kost Dam Road project is completed, but final bills have not yet been submitted. Two additional projects, the Chisago County CR 20 gully stabilization project and Mallery Jersey's Gully project have been added. The SWCD approved cost share contracts for both projects on July 15, 2013. Both are scheduled for August 2013 construction.</p> <p>As of October 14, 2013-All elink reporting and reimbursement payments are complete. *Funding was provided in part by the Clean Water Fund from the Clean Water, Land and Legacy Amendment.</p>		



Grant Activity - 2011 CWF (Proj Dev - CR 81) Stabilization of erosion concerns adjacent to public roads and rivers

Description	The Chisago SWCD and the Chisago County Public Works Department will contact landowners whose property is adjacent to CR 81 to discuss erosion concerns on their property that are resulting in large amounts of sediment being deposited onto CR 81. The SWCD will develop a list of BMPs that can be implemented to correct the erosion and sedimentation concerns to CR 81. Additionally, the SWCD will undertake individual landowner meetings prior to construction to inform landowners on the timelines and processes involved.		
Category	PROJECT DEVELOPMENT		
Start Date	11-Mar-11	End Date	
Rates and Hours			
Actual Results	<p>Initial landowner contact has been made and all landowners are interested in proceeding with the project. A fall 2011 survey is scheduled with construction planned for 2012.</p> <p>As of 12/31/11, 7/1/12 The project has been delayed because of an uninterested landowner.</p> <p>As of 7/26/2012 Project has been cancelled due to landowner unwillingness and has been replaced with projects at the City of Taylors Falls Public Works building and in Lindstrom along CR 20. This change was approved through a workplan revision on 7/26/2012.</p> <p>*Funding was provided in part by the Clean Water Fund from the Clean Water, Land and Legacy Amendment.</p>		

Grant Activity - 2011 CWF (Tech Eng- Mallery Jerseys)		
Description	2011 CWF (Tech Eng- Mallery Jerseys)	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date		End Date
Rates and Hours		
Actual Results		

Grant Activity - 2011 CWF (Tech Eng-CLMS) Implementation of Water-Smart Best Management Practices at Schools and Libr

Description	The Chisago SWCD Water Resource Technician (Mary Jo Youngbauer) and Water Resource Specialist (Casey Thiel) will assist the Metro Conservation Districts (MCD) Landscape Restoration Specialist staff (Shawn Tracy and Andy Schilling) with survey, design, and construction inspection work. The SWCD staff has TAA for filter strips, critical area plantings and riparian forested buffers and the MCD staff has TAA for filter strips, critical area plantings & bioretention basins. All technical approval authority documents are available upon request.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	14-Oct-11	End Date	Mon Oct 24 00:00:00 CDT 2011
Rates and Hours			
Actual Results	<p>As of Aug 10, 2011.</p> <p>The preliminary design for this project was completed by Mary Jo Youngbauer (Chisago SWCD Water Resource Technician). The design is currently being reviewed by Andy Schilling and Shawn Tracy (MCD Landscape Restoration Specialist Staff) for technical approval. Construction is planned for early September, 2011.</p> <p>Final Results (November 2, 2011):</p> <p>The design was reviewed and approved. Requests for bids were sent out and a contractor was hired on October 10, 2011. A pre-construction meeting was held on site on October 14, 2011, and construction began immediately afterward. A large 3-cell rain garden was installed adjacent to a large parking lot. Two sand/iron trenches were installed in a swale to capture runoff from a large athletic space, portions of road, and a portion of the school building roof. Water will pass through the sand/iron filter to remove phosphorus before it enters the nearby lake. Construction was completed on October 21, 2001, and students planted the rain garden and swale on October 24, 2011. Technical inspection was conducted on October 28, 2011, and approval was given pending the addition of straw erosion control blanket correctly keyed in. The contractor complied and official approval was given on November 1, 2011.</p> <p>*Funding was provided in part by the Clean Water Fund from the Clean Water, Land and Legacy Amendment.</p>		

Grant Activity - 2011 CWF (Tech Eng-RCHS) Implementation of Water-Smart Best Management Practices at Schools and Libr

Description	The Chisago SWCD Water Resource Technician (Mary Jo Youngbauer) and Water Resource Specialist (Casey Thiel) will assist the Metro Conservation Districts (MCD) Landscape Restoration Specialist staff (Shawn Tracy and Andy Schilling) with survey, design, and construction inspection work. The SWCD staff has TAA for filter strips, critical area plantings and riparian forested buffers and the MCD staff has TAA for filter strips, critical area plantings & bioretention basins. All technical approval authority documents are available upon request.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	21-Sep-11	End Date	Wed Oct 19 00:00:00 CDT 2011
Rates and Hours			
Actual Results	<p>As of Aug 10, 2011.</p> <p>The design for this project was completed by Mary Jo Youngbauer (Chisago SWCD Water Resource Technician) and reviewed by Andy Schilling (MCD Landscape Restoration Specialist). It is currently waiting for technical approval from Shawn Tracy (MCD Landscape Restoration Specialist). The plan includes two rain gardens in the front of the Rush City High School that will capture runoff from the building roof and will provide an outdoor classroom for the science classes. A contractor for this project has been chosen, but has not yet been formally hired. Construction is planned for early September, 2011.</p> <p>Final Results (November 2, 2011):</p> <p>The contractor was hired on August 2, 2011, and began construction of two rain gardens on September 21, 2011. Construction was finished the next day and the gardens were planted by students on September 26, 2011. A 2" concrete riser ring was installed on top of the existing catch basin structure on the east garden and a 3" concrete riser ring was likewise installed on the west garden on October 14, 2011. Technical inspection occurred on October 9, 2011, and approval was given pending the addition of the concrete riser rings. Official approval was given on October 19, 2011, by Andy Schilling and Shawn Tracy.</p> <p>*Funding was provided in part by the Clean Water Fund from the Clean Water, Land and Legacy Amendment.</p>		

Grant Activity - 2011 CWF (Tech Eng-Wyoming) Implementation of Water-Smart Best Management Practices at Schools and L

Description	The Chisago SWCD Water Resource Technician (Mary Jo Youngbauer) and Water Resource Specialist (Casey Thiel) will assist the Metro Conservation Districts (MCD) Landscape Restoration Specialist staff (Shawn Tracy and Andy Schilling) with survey, design, and construction inspection work. The SWCD staff has TAA for filter strips, critical area plantings and riparian forested buffers and the MCD staff has TAA for filter strips, critical area plantings & bioretention basins. All technical approval authority documents are available upon request.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	16-Aug-11	End Date	Sat Aug 20 00:00:00 CDT 2011
Rates and Hours			
Actual Results	<p>As of Aug 11, 2011.</p> <p>The design of four rain gardens and an alternative lawn area was created by Mary Jo Youngbauer (Chisago SWCD Water Resource Technician) with the assistance of Andy Schilling (MCD Landscape Restoration Specialist) and the technical approval of Shawn Tracy (MCD Landscape Restoration Specialist). The design transforms approximately 7,000 sq feet of existing turf into four basins designed to capture and treat road and roof runoff with native plants. The design also allows for education about water quality landscaping options. The chosen contractor has been hired and is scheduled to start construction the week of Aug. 15th. A preconstruction meeting was held with the contractor on Aug. 11, 2011.</p> <p>Final Results (November 2, 2011): Construction began on August 16, 2011 and was finished on August 19, 2011. Four rain garden basins were shaped according to plan. The subsoils were loosened and compost was mixed in. On August 20, 2011, 34 volunteers helped plant and mulch the entire garden area. Technical inspection was conducted by Andy Schilling and Shawn Tracy on September 1, 2011, and the gardens were approved as built.</p> <p>*Funding was provided in part by the Clean Water Fund from the Clean Water, Land and Legacy Amendment.</p>		

Grant Activity - 2011 CWF (Tech/Eng - Center Lakes) - Chain of Lakes SRA BMPs

Description	Survey and design work will be completed by: Chisago SWCD Water Resource Technician (Mary Jo Youngbauer) and Water Resource Specialist (Casey Thiel), with help from Emmons & Olivier Resources, Chisago County Public Work Director PE Joe Triplett, Land and Water Consultants PE Nichole Sternquist, City of Center City PE Les Matteffy, City of Lindstrom PE John Herdegen, NPEAP On-Call Engineer Michael Mayer PE, and Washington Conservation District PE Pete Young, James Landini and Andrew Schilling.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-11	End Date	
Rates and Hours			
Actual Results	<p>As of August 10, 2011. The design of 4 beehive modification rain gardens, two curb cut rain gardens and 2 vegetated swales were created by Casey Thiel with the assistance of Andy Schilling and Shawn Tracy.</p> <p>As of December 31, 2011. Construction on 6 rain gardens and 2 vegetated swales in the downtown Center City area was completed on November 9, 2011. Construction on a gully stabilization and a rain garden at the Chisago Lake Luthern Church was completed on September 21, 2001. No Technical/Engineering funds were spent because the project was designed and construction oversight was provided by Warren White, P.E. The project at Lakes Free Church includes two different rain gardens, which drain to two different lakes (one to the Center Lakes and one to the Lindstrom Lakes).</p> <p>As of 7/1/2012 The design of 4 rain gardens, 3 tree pits, and 2 vegetated swales were created by Casey Thiel and Mary Jo Youngbauer with the assistance and technical approval of Pete Young, Andy Schilling, and Mike Meyer. The designs incorporate best management practices at three different sites (Chisago County Government Center, Chisago Lakes Golf Course, Marine Dock and Lift).</p> <p>As of 12/17/2012 Designs for Peninsula Avenue and the Grimm residence have been approved by Andy Schilling and Casey Thiel. The Peninsula Avenue project is scheduled for spring of 2013. The Grimm project is complete. Marine Dock and Lift project was delayed. An extension was approved on October 18, 2012.</p> <p>As of July 15, 2013-The Peninsula Avenue project was encumbered under a different grant. The design of two rain gardens that capture stormwater runoff from a newly re-paved parking lot at the Chisago County Courthouse was created by Mary Jo Youngbauer and reviewed and approved by Joe Triplett, Chisago County. The contract for Marine Dock and Lift project on Center City property was cancelled.</p> <p>As of September 10, 2013-This grant is closed out. All funds have been spent and projects completed.</p>		

Grant Activity - 2011 CWF (Tech/Eng - Co Rd 81) Stabilization of erosion concerns adjacent to public roads and rivers

Description	The Chisago SWCD Resource Conservationist (Jason Rehn) and District Administrator (Craig Mell) will assist Nichole Sternquist, Licensed Professional Engineer with Water and Land Consultants, LLC with survey work and construction inspection. Nichole is also one of the Area 3 TSA Engineers. All design work and construction inspection will be completed by Nichole Sternquist. Supplemental Engineering will be provided by Chisago County Public Works Director and Professional Engineer Joe Triplett. All technical approval authority documents are available upon request.	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date	11-Mar-11	End Date
Rates and Hours		
Actual Results	<p>As of August 10, 2011 Landowner contacts have been made and the areas in question have been walked and have preliminary conceptual plans. A fall topographical survey has been scheduled of the area - after the soybeans have been harvested and the leaves have fallen off of the trees. A design will be completed over the winter with installation scheduled for 2012.</p> <p>As of December 31, 2011, July 1, 2012 Nothing new has been completed since our August 10, 2011 update. The project has been delayed because of an uninterested landowner. We will continue to work with the landowner over the winter and hopefully install this project in 2012.</p> <p>As of 7/26/2012 Project has been cancelled due to landowner unwillingness and has been replaced with projects at the City of Taylors Falls Public Works building and in Lindstrom along CR 20. This change was approved through a workplan revision on 7/26/2012.</p> <p>*Funding was provided in part by the Clean Water Fund from the Clean Water, Land and Legacy Amendment.</p>	

Grant Activity - 2011 CWF (Tech/Eng - Kost Dam) Stabilization of erosion concerns adjacent to public roads and rivers

Description The Chisago SWCD Resource Conservationist and District Administrator will assist Nichole Sternquist, Licensed PE with Water and Land Consultants, LLC with survey work and construction inspection. Nichole is also one of the Area 3 TSA Engineers. Supplemental Engineering will be provided Sunrise Township Consulting Engineer Paul Steward (Licensed PE with Thatcher Engineering). All technical approval authority documents are available upon request.

Category TECHNICAL/ENGINEERING ASSISTANCE

Start Date 11-Mar-11 **End Date**

Rates and Hours

Actual Results

As of August 10, 2011.
 This project has been surveyed and designed by Nichole Sternquist, Licensed Professional Engineer with Water and Land Consultants, LLC with the assistance of Chisago SWCD Resource Conservationist Jason Rehn and District Administrator Craig Mell. This project has been approved by Sunrise Township and their Engineer (Paul Steward - Licensed Professional Engineer with Thatcher Engineering) as part of their bridge replacement project over the Sunrise River along the Kost Dam Road. Timing for installation of this project is subject to the installation of the bridge replacement project - the goal of the SWCD and Township is to have this project installed in 2011. One contractor will be hired by the township to do both projects.

As of December 31, 2011'
 This project has been approved by Chisago County Engineer Joe Triplett, Sunrise Township Engineer Paul Steward and SWCD Consulting Engineer Nichole Sternquist. The project is scheduled for construction in 2012.

As of July 1, 2012
 Meyer Contracting was hired to complete the project. Construction is scheduled to begin in mid-July and should be finished by mid-October.

As of December 17, 2012
 Construction was delayed for several weeks. The project has now been completed. Payment has not yet been issued. An extension was granted on October 18, 2012.

As of July 15, 2013- project has been completed, but not certified by the project engineer, payment has not yet been issued because bills have not been submitted.

As of October 14, 2013-Project is complete and certified by Paul Steward of Thatcher Engineering.
 *Funding was provided in part by the Clean Water Fund from the Clean Water, Land and Legacy Amendment.

Grant Activity - 2011 CWF (Tech/Eng - Lindstrom Lakes) - Chain of Lakes SRA BMPs	
Description	The Chisago SWCD Water Resource Technician (Mary Jo Youngbauer) and Water Resource Specialist (Casey Thiel) will assist Emmons & Olivier Resources, Chisago County Public Work Director Joe Triplett PE, Land and Water Consultants Nichole Sternquist PE, City of Center City PE Les Matteffy, City of Lindstrom PE Jon Herdegen, and Washington Conservation District Pete Young, James Landini, and Andrew Schilling with survey and design work.
Category	TECHNICAL/ENGINEERING ASSISTANCE
Start Date	1-Apr-11
End Date	
Rates and Hours	
Actual Results	<p>As of August 10, 2011.</p> <p>The design of 2 curb cut rain gardens and two end of road rain gardens were created by Mary Jo Youngbauer with the assistance of Andy Schilling and the technical approval of Shawn Tracy in the Olinda Greens Townhome Association development. The design of 1 flow through rain garden, and one curb cut rain garden were created by Casey Thiel with the assistance of Andy Schilling and the technical approval of Shawn Tracy. The design incorporates best management practices on 800 square feet spread on the Lakes Free Church property.</p> <p>As of December 31, 2011.</p> <p>Two curb cut rain gardens and two end-of-road rain gardens were installed on the grounds of the Olinda Green Townhomes. The project at Lakes Free Church includes two rain gardens that drain to two different lakes (Center Lakes and Lindstrom Lakes). The rain garden that drains to the Lindstrom Lakes was partially completed this fall. Planting will be done in the spring of 2012.</p> <p>As of 7/1/2012.</p> <p>The design of beach restoration and two vegetated swales were created by Mary Jo Youngbauer with the assistance and technical approval of Pete Young. These designs are located at different sites (Chisago Lakes Golf Course and Beach Park). Construction is in progress at the Chisago Lakes Golf Course. The other project is in the process of design review and approval.</p> <p>As of December 17, 2012</p> <p>The Golf Course project is complete. The Beach Park restoration has been pushed back to spring implementation. A pervious pavement project was designed and approved by Todd Erickson (PE for Folz, Freeman, Erickson, Inc.). This project is complete. An extension for this grant was approved on 10/18/2012. As of July 15, 2013-Construction checks have been completed for the Beach Park shoreline restoration project by James Landini of Washington Conservation District.</p> <p>As of September 10, 2013-This grant is closed out. All funds are spent and projects completed.</p>

Grant Activity - 2011 CWF (Tech/Eng-CC CR 20) Stabilization of erosion concerns adjacent to public roads and rivers

Description	Chisago SWCD Water Resource Specialist Casey Thiel and/or Water Resource Technician Mary Jo Youngbauer will assist an engineer in design review, surveying, and construction inspection of a future project.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date		End Date	
Rates and Hours			
Actual Results	<p>As of December 17, 2012</p> <p>An extension was granted on October 18, 2012. As of August 9, 2013-</p> <p>a design has been completed for two gully stabilizations along County Road 20 north of North Center Lake.</p> <p>As of October 14, 2013-Project is completed and construction sign off granted by Mike Meyer, MM Engineering.</p>		

Grant Activity - 2011 CWF (Tech/Eng-CR 20) Stabilization of erosion concerns adjacent to public roads and rivers

Description	Chisago SWCD Water Resource Specialist Casey Thiel will assist BDM/MSA P.E. Jim Stremel in design review, surveying, and construction inspection. Final construction inspection and sign off with be done by Jim Stremel. Technical Approval Authority documents are available upon request.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	26-Jul-12	End Date	Mon Dec 17 00:00:00 CST 2012
Rates and Hours			
Actual Results	A site survey and design were completed by P.E. Jim Stremel. As of July 15, 2013, the project was certified by Jim Stremel.		

Grant Activity - 2011 CWF (Tech/Eng-Taylors Falls) Stabilization of erosion concerns adjacent to public roads and riv

Description	The Chisago SWCD Water Resource Technician Mary Jo Youngbauer will assist Mike Mayer, P.E. in survey and construction inspection work. All final construction inspection will be done by Mike Mayer.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	26-Jul-12	End Date	Mon Dec 17 00:00:00 CST 2012
Rates and Hours			
Actual Results	A design and construction check out were completed by Mike Mayer, P.E.		

Grant Activity - 2011 CWF - Center Lakes SRA BMPs - Chisago County Government Center

Description	The highly impervious area in the front of the Chisago County Government Center will be redesigned to treat stormwater runoff, solve safety issues, and improve aesthetics. Existing sidewalk and raised planter beds will be replaced by two rain gardens and three tree pits.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	29-Oct-12	End Date	
Rates and Hours			
Actual Results	<p>Two large rain gardens and two tree pits were installed at the front entrance of the Government Center in late October of 2012. The design was modified to combine the third tree pit into one of the rain gardens. A large amount of impervious sidewalk was removed and converted to pervious area. Construction was 95% completed (some work will need to be completed in the spring) and technical approval was granted on November 5, 2012.</p> <p>As of July 17, 2013-The remaining work was completed this spring. A partial payment was issued on December 7, 2012. Final payment will be issued when an invoice is received.</p> <p>As of September 19, 2013-Final payment was issued. This project is complete.</p> <p>To date the amount of Tech/Eng funds spent on this project: Approximately \$2,500</p>		

Activity Action - delete

Practice	472 - Access Control	Count of Activities	5
Description			
Proposed Size / Units		Lifespan	Unknown
Actual Size/Units		Installed Date	

Activity Action - Legacy Migrated Data

Practice	712M - Bioretention Basin	Count of Activities	5
Description	Rain Garden 1		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Final Indicator for Legacy Migrated Data

Indicator Name	SEDIMENT (TSS)	Value	0.12
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Center Lake		

Final Indicator for Legacy Migrated Data			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	0.63
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Center Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.68
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Center Lake		

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	5
Description	Rain Garden 2		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	5
Description	Tree Pit 1		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	5
Description	Tree Pit 2		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Grant Activity - 2011 CWF - Center Lakes SRA BMPs - Chisago Lake Luthern Church			
Description	Stabilize existing gully and install rain garden to treat runoff from parking lot. Total BMP treatment area is planned to be about 2000 square feet. This project is being designed by Warren White, P.E., with construction oversight also to be conducted by Mr. White.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	12-Sep-11	End Date	Wed Sep 21 00:00:00 CDT 2011
Rates and Hours			
Actual Results	<p>November 30, 2011.</p> <p>Construction of rain garden to treat parking lot runoff was completed on September 21, 2011. An existing large gully was stabilized as well. The Chisago Lake Luthern Church was issued a reimbursement check for a portion of construction costs.</p> <p>To date the amount of Tech/Eng funds spent on this project to date: \$5,710</p>		

Activity Action - Legacy Migrated Data			
Practice	410 - Grade Stabilization Structure	Count of Activities	2
Description			
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	18.17
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Center Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	37.20
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Center Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	14.59
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Center Lake		

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	2
Description			
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Grant Activity - 2011 CWF - Center Lakes SRA BMPs - Downtown Center City BMPs

Description	Install 1,760 square feet of bioretention/filtration practices in the Downtown Center City Area. Practices in Catchments CC-22 and CC-26 include: beehive modification rain gardens, curb cut rain gardens, and vegetated swales.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	19-Oct-11	End Date	Wed Nov 09 00:00:00 CST 2011
Rates and Hours			
Actual Results	<p>08/10/2011 - Designs are completed and approved by Center City Council, and Chisago SWCD Board. The contractor has been chosen and asked to revise a few items on the bid. The project will likely start in September of 2011. 4 beehive modification rain gardens, 2 curb cut rain gardens, and 2 vegetative swales are planned. All of these practices slow water down before reaching the new stormwater pond that is being constructed in the project area. These bioretention practices will make the pond function better for longer.</p> <p>As of November 30, 2011 Construction on 6 rain gardens and 2 vegetated swales was completed on November 9, 2011. A reimbursement check has been issued to the City of Center City.</p> <p>To date the amount spent on Technical/Engineering for these BMPs is \$10,000.</p>		

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	8
Description	Central Bank-beehive modification rain garden east		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	
Final Indicator for Legacy Migrated Data			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	2.6

Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Center Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Center Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	1.17
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Center Lake		

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	8
Description	Central Bank-beehive modification rain garden west		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	8
Description	Central Bank-curb cut rain garden		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	8
Description	Jurek's rain garden		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	8
Description	Printing Express-beehive modification rain garden		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	8
Description	Printing Express-vegetated swale		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	8
Description	Swedish Village Mall-beehive modification rain garden		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	8
Description	Swedish Village Mall-vegetative swale		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Grant Activity - 2011 CWF - Center Lakes SRA BMPs - Grimm Rain Garden

Description	Install a rain garden in the road right of way on Mobeck Avenue to capture stormwater runoff. A similar rain garden was installed on the north side of Mobeck in 2011 as part of the Subwatershed Assessment C-22 Catchment. At the time, the Grimm rain garden was not feasible due to an aggregate driveway upstream that would continuously clog the rain garden. That driveway has now been paved.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	15-Oct-12	End Date	Mon Nov 05 00:00:00 CST 2012
Rates and Hours			
Actual Results	A 275 sq ft rain garden was installed in the road right-of-way on Mobeck Avenue. The garden captures stormwater runoff from the road and adjacent lots. Construction was completed and approved on November 5, 2012. A reimbursement check for \$5,000.00 was issued to the City of Center City on November 15, 2012. To date the amount of Tech/Eng funds spent on this project: Approximately \$2,500.00.		

Activity Action - Legacy Migrated Data

Practice	712M - Bioretention Basin	Count of Activities	1
Description			
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	
Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	0.10
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Center Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	0.26
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Center Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.38
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Center Lake		

Grant Activity - 2011 CWF - Center Lakes SRA BMPs - Lakes Free Church			
Description	Install a two-celled rain garden to infiltrate water before it exits through a culvert to the Center Lakes. The L-40 catchment includes: curb-cut rain gardens and vegetated swales. The rain garden will slow water down and allow filtration and/or infiltration before water enters the existing storm sewer on site.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	26-Oct-11	End Date	Wed Sep 12 00:00:00 CDT 2012
Rates and Hours			
Actual Results	<p>08/10/2011 - Designs are completed and approved by Lakes Free Church, and Chisago SWCD Board. One flow-through rain garden is planned. This practice slows water down before reaching the existing storm sewer on-site.</p> <p>As of November 30, 2011. A two-cell, 730 square foot flow-through rain garden was installed at the Lakes Free Church. Construction was completed on November 9, 2011. Planting was delayed and will be done in the spring of 2012. A partial payment was issued for the portion of the construction that has been completed so far.</p> <p>As of July 1, 2012 Additional work to improve drainage was done this spring. This work delayed planting. Planting is planned for the next couple of weeks.</p> <p>As of September 12, 2012 Project is completed. Final payment has been issued.</p>		

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	Two-cell rain garden		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	
Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	0.3
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Center Lake		

Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Center Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	0.5
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Center Lake		

Grant Activity - 2011 CWF - Lindstrom Lakes SRA BMPs - City of Lindstrom Northwoods Roasterie			
Description	2011 CWF - Lindstrom Lakes SRA BMPs - City of Lindstrom Northwoods Roasterie		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date		End Date	
Rates and Hours			
Actual Results	A 1000 sq ft rain garden was installed to capture stormwater runoff from the newly repaved parking lot and the new drive thru lane for the Coffee Shop.		

Activity Action - Northwoods Roasterie Rain Garden			
Practice	155M - Storm Water Retention Basins	Count of Activities	1
Description	A 1000 foot rain garden to capture storm water runoff from a parking lot and drive through.		
Proposed Size / Units	0.02 COUNT	Lifespan	10 Years
Actual Size/Units	COUNT	Installed Date	

Grant Activity - 2011 CWF - Lindstrom Lakes SRA BMPs - Lakes Free Church

Description	Install 480 square feet of bioretention/filtration practices at the Lakes Free Church. Practices in Catchment L-40 include: curb cut rain gardens and vegetated swales.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	26-Oct-11	End Date	Wed Sep 12 00:00:00 CDT 2012
Rates and Hours			
Actual Results	<p>08/10/2011 - Designs are completed and approved by Lakes Free Church, and Chisago SWCD Board. One curb cut rain garden is planned. This practice slows water down before reaching the small stormwater pond on-site.</p> <p>As of November 30, 2011. One 480 square foot curb cut rain garden was installed on the north end of the parking lot. Construction was completed on November 9, 2011. Planting was delayed and will be done in the spring of 2012. A partial payment was issued for the portion of the construction that has been completed so far.</p> <p>To date the amount of Tech/Eng funds spent on this project to date: \$2,403</p> <p>As of July 1, 2012 Additional work to improve drainage was done this spring. This work delayed planting. Planting is planned for the next couple of weeks.</p> <p>As of September 12, 2012 Project completed. Final payment issued.</p>		

Activity Action - Legacy Migrated Data

Practice	712M - Bioretention Basin	Count of Activities	1
Description	Curb Cut rain garden		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Final Indicator for Legacy Migrated Data

Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	0.4
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model

Waterbody	South Lindstrom Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Lindstrom Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	0.18
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Lindstrom Lake		

Grant Activity - 2011 CWF - Lindstrom Lakes SRA BMPs - Waters Edge Condominiums			
Description	A portion of the large asphalt parking lot will be pervious asphalt with various courses of rock beneath it. This will be connected to a swale of rock that outlets to an existing culvert.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	20-Sep-12	End Date	Tue Nov 27 00:00:00 CST 2012
Rates and Hours			
Actual Results	<p>The existing parking lot was re-done with asphalt. A 2,000 sq ft section in the downstream corner of the parking lot was changed to pervious asphalt. Beneath the pervious section, the in situ soil was excavated to about 5 feet and replaced with rock. This is the storage area for water. A buried rock water way connects the storage area beneath the pervious pavement to an existing culvert in case of large rain events that overwhelm the storage capacity.</p> <p>To date the amount of Tech/Eng funds spent on this project: \$1,337.75</p>		

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	Pervious asphalt pavement		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	
Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	0.20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Lindstrom Lake		

Final Indicator for Legacy Migrated Data			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	1.21
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Lindstrom Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1.48
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Lindstrom Lake		

Grant Activity - 2011 CWF -Center Lakes SRA BMPs - Chisago County Government Center Parking Lot			
Description	2011 CWF -Center Lakes SRA BMPs - Chisago County Government Center Parking Lot		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	25-Jun-13	End Date	
Rates and Hours			
Actual Results	Two rain gardens were installed to capture stormwater runoff from the East parking lot for the Chisago County Government Center. Previously, this parking lot drained directly to Pioneer Lake.		

Activity Action - Rain Garden 1			
Practice	712M - Bioretention Basin	Count of Activities	2
Description	Square feet.		
Proposed Size / Units	270 COUNT	Lifespan	10 Years
Actual Size/Units	270 COUNT	Installed Date	10-Jul-13
Final Indicator for Rain Garden 1			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	0.21
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Pioneer Lake		
Final Indicator for Rain Garden 1			
Indicator Name	SEDIMENT (TSS)	Value	0.05
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Pioneer Lake		
Final Indicator for Rain Garden 1			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.27

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Pioneer Lake		

Activity Action - Rain garden 2

Practice	712M - Bioretention Basin	Count of Activities	2
Description	Square feet		
Proposed Size / Units	675 COUNT	Lifespan	10 Years
Actual Size/Units	675 COUNT	Installed Date	10-Jul-13

Final Indicator for Rain garden 2

Indicator Name	SEDIMENT (TSS)	Value	0.11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Pioneer Lake		

Final Indicator for Rain garden 2

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Pioneer Lake		

Final Indicator for Rain garden 2

Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	0.5
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Pioneer Lake		

Grant Activity - 2011 CWF CR 20

Description	Install a rock lined channel to stabilize the gully caused by road runoff from County Road 20. Install other BMPs at the bottom of the hill to filter and slow water before it reaches North Lindstrom Lake.		
Category	AGRICULTURAL PRACTICES		
Start Date	5-Nov-12	End Date	Fri Nov 09 00:00:00 CST 2012
Rates and Hours			
Actual Results	A concrete drop structure and rock lined channel were installed at the site of an actively eroding gully on County Road 20 in Lindstrom, MN.		

Activity Action - Legacy Migrated Data			
Practice	362 - Diversion	Count of Activities	1
Description			
Proposed Size / Units	LINEAR FEET	Lifespan	10 Years
Actual Size/Units	LINEAR FEET	Installed Date	
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	2.35
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	North Lindstrom Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	SOIL (EST. SAVINGS)	Value	2.35
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	North Lindstrom Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	2.35
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	North Lindstrom Lake		

Grant Activity - 2011 CWF CR 81	
Description	Install a series of water and sediment control basins with an underground outlet on private property in the upper portion of the watershed to stabilize a 450 foot long gully that washes out on to the County Road. Install numerous ditch checks and vegetative swales adjacent to the road to capture, treat and promote infiltration of the water before it leaves the 0.75 mile stretch of County Road and enters the St. Croix Wild and Scenic River State Park.
Category	AGRICULTURAL PRACTICES
Start Date	End Date
Rates and Hours	
Actual Results	<p>As of Dec 31, 2012: Due to an uninterested landowner this project has not been started.</p> <p>As of July 1, 2012: Project remains unstarted due to landowner not being interested.</p> <p>As of 7/26/2012 Project has been cancelled due to landowner unwillingness and has been replaced with projects at the City of Taylors Falls Public Works building and in Lindstrom along CR 20. This change was approved through a workplan revision on 7/26/2012.</p>

Grant Activity - 2011 CWF Chisago County CR 20	
Description	This project will stabilize two active gullies along County Road 20. The gullies are formed along the roadside ditch and enter into a wetland that drains directly to North Center Lake.
Category	AGRICULTURAL PRACTICES
Start Date	End Date
Rates and Hours	
Actual Results	Two gullies were stabilized adjacent to County Road 20 north of Lindstrom. Staff from Chisago County Public Works performed the construction.

Activity Action - Chisago County CR 20 West Gully			
Practice	468 - Lined Waterway or Outlet	Count of Activities	2
Description	Watershed size		
Proposed Size / Units	2.4 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	LINEAR FEET	Installed Date	
Final Indicator for Chisago County CR 20 West Gully			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	North Center Lake		
Final Indicator for Chisago County CR 20 West Gully			
Indicator Name	SEDIMENT (TSS)	Value	5.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	North Center Lake		

Activity Action - Chisago County CR 20 East Gully			
Practice	468 - Lined Waterway or Outlet	Count of Activities	2
Description	Watershed size		
Proposed Size / Units	0.4 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	LINEAR FEET	Installed Date	
Final Indicator for Chisago County CR 20 East Gully			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	2.16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	North Center Lake		
Final Indicator for Chisago County CR 20 East Gully			
Indicator Name	SEDIMENT (TSS)	Value	2.16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	North Center Lake		

Grant Activity - 2011 CWF Kost Dam Road	
Description	This project is associated with the stabilization of a approximately a mile long stretch of severe eroded road edge/ ditch that directly drains to the Sunrise River. Preliminary design includes the installation of a series of rock check dams, installation of a 250 ft settling area, vegetative swales and an 80 cy rock settling basin.
Category	URBAN STORMWATER MANAGEMENT PRACTICES
Start Date	End Date
Rates and Hours	
Actual Results	<p>This project has been designed and approved by Sunrise Township and Chisago County. The project is scheduled for construction in 2012 as part of the Kost Dam Bridge replacement project.</p> <p>As of July 1, 2012 Meyer Contracting was hired as the contractor for the project. Construction is expected to begin in mid July and end in mid October.</p> <p>As of December 17, 2012 Construction on the project is finished. Repayment will be issued when receipts are received.</p> <p>As of September 19, 2013. Project is completed and as-builts have been received. Waiting for final bills to release payment.</p> <p>As of October 14, 2013-The project is completed and certified. Final repayment has been issued. The amount of Technical/Engineering funds spent specifically on this project: \$7,000.</p>

Activity Action - Kost Dam BMPs			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	Lined waterways and infiltration basins were constructed along the roadside to capture and treat stormwater runoff before it reaches the Sunrise River.		
Proposed Size / Units	0.65 COUNT	Lifespan	10 Years
Actual Size/Units	0.65 COUNT	Installed Date	
Final Indicator for Kost Dam BMPs			
Indicator Name	SEDIMENT (TSS)	Value	34

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Sunrise River		
Final Indicator for Kost Dam BMPs			
Indicator Name	SOIL (EST. SAVINGS)	Value	34
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Sunrise River		
Final Indicator for Kost Dam BMPs			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	29
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Sunrise River		

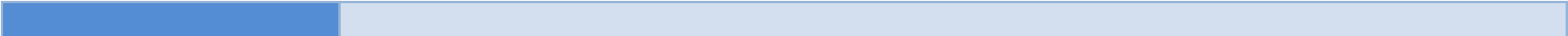
Grant Activity - 2011 CWF Taylors Falls			
Description	Install a water and sediment control basin with an underground outlet on City of Taylors Falls property in the upper portion of the watershed to stabilize a 1600 foot long gully that empties into the St. Croix River. Install a concrete pad with curb for sediment capture and easy cleaning by maintenance staff.		
Category	AGRICULTURAL PRACTICES		
Start Date	26-Jul-12	End Date	Wed Oct 24 00:00:00 CDT 2012
Rates and Hours			
Actual Results	<p>A berm was installed around the edge of the public works grounds. The area was shaped to drain to a stable outlet with a concrete pad to capture sediment. The outlet is piped to a stable location further down the gully channel where active erosion is not occurring. The berm and outlet will hold water and release through the pipe at a controlled rate. The area will drain within 24 hours. The project was certified by Mike Mayer, P.E. on 11/2/2012.</p> <p>To date the amount of Tech/Eng funds spent on this project: \$1,680.00</p>		

Activity Action - Legacy Migrated Data			
Practice	350 - Sediment Basin	Count of Activities	1
Description			
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	32

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	St. Croix River		
Final Indicator for Legacy Migrated Data			
Indicator Name	SOIL (EST. SAVINGS)	Value	64
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	St. Croix River		
Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	32
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	St. Croix River		

Grant Activity - 2011 CWF-CLMS BMPs

<p>Description</p>	<p>As Best Management Practices (BMP's) such as rain gardens and infiltration swales begin to be implemented in Chisago County, most people don't understand what they are and what their purpose is. With the dual goals of treating stormwater runoff and educating the public, the SWCD applied for and received a Clean Water Fund grant to implement several pre-designed BMP's at public locations in Chisago County. Three locations will be involved: the Wyoming Library, the Chisago Lakes Middle School, and the Rush City High School. These locations are spread out throughout Chisago County in three separate cities, are all highly visible to the public, and will reach different audiences.</p> <p>Water-smart BMPs reduce the impacts of stormwater runoff by slowing, capturing, or infiltrating water. Runoff water carries sediment, chemicals, excess nutrients, and other undesirable items into the nearest water body, which reduces clarity, quality, and habitat. The implementation of infiltration basins and swales captures runoff from highly impervious areas, such as roofs and parking lots. Water that is directed into these BMPs is allowed to infiltrate into the ground, which causes phosphorus, sediment, and organic matter to filter out of the water. The water that eventually enters the nearby water body carries much reduced loads of pollutants. This improves water quality by reducing the amount of phosphorus available to plants which in turn reduces algal blooms, improves water clarity by reducing suspended solids that cloud water, and improves aquatic habitat by reducing the load of chemicals that may harm aquatic life.</p> <p>Through the implementation of BMP projects at the Wyoming Library, the Chisago Lakes Middle School, and the Rush City High School, a combined 4.8 pounds per year of phosphorus and 2,400 pounds per year of total suspended solids will be filtered out of water before they reach the nearest water body.</p>		
<p>Category</p>	<p>URBAN STORMWATER MANAGEMENT PRACTICES</p>		
<p>Start Date</p>	<p>14-Oct-11</p>	<p>End Date</p>	<p>Mon Oct 24 00:00:00 CDT 2011</p>
<p>Rates and Hours</p>	<p></p>		
<p>Actual Results</p>	<p>The design was reviewed and approved by Andy Schilling and Shawn Tracy. Requests for bids were sent out and a contractor was hired on October 10, 2011. A pre-construction meeting was held on site on October 14, 2011, and construction began immediately afterward. A large 3-cell rain garden was installed adjacent to a large parking lot. Two sand/iron trenches were installed in a swale to capture runoff from a large athletic space, portions of road, and a portion of the school building roof. Water will pass through the sand/iron filter to remove phosphorus before it enters the nearby lake. Construction was completed on October 21, 2001, and students planted the rain garden and swale on October 24, 2011. Technical inspection was conducted on October 28, 2011, and approval was given pending the addition of straw erosion control blanket correctly keyed in. The contractor complied and official approval was given on November 1, 2011.</p> <p>The amount spent on this project for Technical/Engineering was \$7,000.00 (\$5,000.00 from CWF and \$2,000.00 of local funds).</p>		



Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	2
Description	Sand/Iron Swale		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	
Final Indicator for Legacy Migrated Data			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	1.03
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Center Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	2.18
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Center Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	0.59
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Center Lake		

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	2
Description			
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.47
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Center Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	0.09
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model

Waterbody	North Center Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	0.21
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	North Center Lake		

Grant Activity - 2011 CWF-Center Lake SRA BMPs-Chisago Lakes Golf Course			
Description	One rain garden and three vegetated swales with ditch checks will be installed to treat runoff from the clubhouse building, the parking lot, 292nd Street, and various fairways on the golf course. Catchment L50b includes portions of the golf course and will be treated with rain gardens and vegetated swales. Portions of the golf course drain to South Lindstrom Lake and other portions drain to South Center Lake.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	9-Jul-12	End Date	Wed Sep 12 00:00:00 CDT 2012
Rates and Hours			
Actual Results	<p>As of 7/1/2012</p> <p>The design of one rain garden and three vegetated swales has been approved by Pete Young, P.E. (Washington Conservation District). The contractor has been hired by the Chisago Lakes Golf Course and construction is expected to start next week.</p> <p>As of 9/12/2012</p> <p>The project was installed and approved. Final payment has been issued.</p> <p>Total Tech/Eng dollars spent on this project: Approximately \$2,500</p>		

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	2
Description	Rain Garden		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.4
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Center Lake		

Final Indicator for Legacy Migrated Data			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	0.4
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Center Lake		

Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	0.07
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Center Lake		

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	2
Description	Vegetated Swale		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	0.68
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Center Lake		

Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3.8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Center Lake		

Final Indicator for Legacy Migrated Data			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	3.3
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Center Lake		

Grant Activity - 2011 CWF-Center Lakes SRA BMPs-City of Center City Marine Dock			
Description	A two-cell rain garden will capture stormwater runoff from Summit Avenue and Moody Avenue. The rain garden will be located on City-owned property in front of the Marine Dock and Lift parking lot. Currently, this stormwater runoff flows over the parking lot and through the road ditch to South Center Lake.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	15-May-12	End Date	
Rates and Hours			
Actual Results	<p>A contractor has been hired by the City of Center City. Construction is scheduled to begin in August in conjunction with nearby street reconstruction.</p> <p>As of December 17, 2012 This project was delayed due to complications with nearby road construction and will not be completed this year. Construction is now scheduled for spring of 2013. As of July 17, 2013- Due to extended delays in construction and changes to the design, this project is unlikely to be completed by the deadline for this grant. Therefore, the contract has been cancelled and the project will be re-encumbered under another grant.</p>		

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	1
Description			
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	

Grant Activity - 2011 CWF-Lindstrom Lakes SRA BMPs-Chisago Lakes Golf Course

Description	One rain garden and three vegetated swales with ditch checks will be installed to treat runoff from the clubhouse building, the parking lot, 292nd Street, and various fairways on the golf course. Catchment L50b includes portions of the golf course and will be treated with rain gardens and vegetated swales. Portions of the golf course drain to South Lindstrom Lake and other portions drain to South Center Lake.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	9-Jul-12	End Date	Wed Sep 12 00:00:00 CDT 2012
Rates and Hours			
Actual Results	<p>As of 7/1/2012 The design of one rain garden and three vegetated swales has been approved by Pete Young, P.E. (Washington Conservation District). The contractor has been hired by the Chisago Lakes Golf Course and construction is expected to start next week.</p> <p>As of 9/12/2012 Project was installed and approved. Final payment issued.</p> <p>Amount of Tech/Eng funds spent on this project: Approximately \$9,500</p>		

Activity Action - Legacy Migrated Data

Practice	712M - Bioretention Basin	Count of Activities	1
Description	Vegetated Swales		
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	2 COUNT	Installed Date	

Final Indicator for Legacy Migrated Data

Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	0.5
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Lindstrom Lake		

Final Indicator for Legacy Migrated Data

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Lindstrom		

Final Indicator for Legacy Migrated Data

Indicator Name	SEDIMENT (TSS)	Value	0.08
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Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Lindstrom Lake		

Grant Activity - 2011 CWF-Lindstrom Lakes SRA BMPs-City of Lindstrom Beach Park

Description	Two pretreatment chambers will be installed at the curb of the parking lot to capture stormwater runoff from Newell Avenue and the parking lot, as well as water flowing off the nearby residential lawns. A shoreline restoration with native plants will also be installed to protect the shoreline and to act as a buffer. Currently, there are curb cuts in the parking lot that cause gully erosion to the beach.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date		End Date	
Rates and Hours			
Actual Results	<p>The design has been reviewed and approved by DNR Area Hydrologist Craig Wills. The design was put out for comment for 30 days and was then granted a Shoreline Permit through the DNR. The design is currently under review for technical approval authority by Pete Young, P.E. (Washington Conservation District). Requests for bids and construction is planned for late summer.</p> <p>As of December 17, 2012 A bid was accepted from Great River Greening in the amount of \$17,000 with a grant allocated from DNR Shoreline Grant through Great River Greening for \$4,000. The project is scheduled to begin in the spring of 2013.</p> <p>As of July 17, 2013-The project was constructed according to the design and has been granted technical approval pending installation of new curbing on the parking lot by the City of Lindstrom.</p> <p>As of September 10, 2013-Curb has been fixed and repayment has been issued to the City of Lindstrom.</p>		

Activity Action - Legacy Migrated Data

Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description			
Proposed Size / Units	LINEAR FEET	Lifespan	10 Years
Actual Size/Units	250 LINEAR FEET	Installed Date	

Final Indicator for Legacy Migrated Data

Indicator Name	SOIL (EST. SAVINGS)	Value	1.74
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)

Waterbody	South Lindstrom Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	0.795
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Lindstrom Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	1.74
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Lindstrom Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	2.53
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Lindstrom Lake		
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1.47
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Lindstrom Lake		

Grant Activity - 2011 CWF-RCHS BMPs

<p>Description</p>	<p>As Best Management Practices (BMP's) such as rain gardens and infiltration swales begin to be implemented in Chisago County, most people don't understand what they are and what their purpose is. With the dual goals of treating stormwater runoff and educating the public, the SWCD applied for and received a Clean Water Fund grant to implement several pre-designed BMP's at public locations in Chisago County. Three locations will be involved: the Wyoming Library, the Chisago Lakes Middle School, and the Rush City High School. These locations are spread out throughout Chisago County in three separate cities, are all highly visible to the public, and will reach different audiences.</p> <p>Water-smart BMPs reduce the impacts of stormwater runoff by slowing, capturing, or infiltrating water. Runoff water carries sediment, chemicals, excess nutrients, and other undesirable items into the nearest water body, which reduces clarity, quality, and habitat. The implementation of infiltration basins and swales captures runoff from highly impervious areas, such as roofs and parking lots. Water that is directed into these BMPs is allowed to infiltrate into the ground, which causes phosphorus, sediment, and organic matter to filter out of the water. The water that eventually enters the nearby water body carries much reduced loads of pollutants. This improves water quality by reducing the amount of phosphorus available to plants which in turn reduces algal blooms, improves water clarity by reducing suspended solids that cloud water, and improves aquatic habitat by reducing the load of chemicals that may harm aquatic life.</p> <p>Through the implementation of BMP projects at the Wyoming Library, the Chisago Lakes Middle School, and the Rush City High School, a combined 4.8 pounds per year of phosphorus and 2,400 pounds per year of total suspended solids will be filtered out of water before they reach the nearest water body.</p>		
<p>Category</p>	<p>URBAN STORMWATER MANAGEMENT PRACTICES</p>		
<p>Start Date</p>	<p>21-Sep-11</p>	<p>End Date</p>	<p>Wed Oct 19 00:00:00 CDT 2011</p>
<p>Rates and Hours</p>			
<p>Actual Results</p>	<p>The contractor was hired on August 2, 2011, and began construction of two rain gardens on September 21, 2011. Construction was finished the next day and the gardens were planted by students on September 26, 2011. A 2" concrete riser ring was installed on top of the existing catch basin structure on the east garden and a 3" concrete riser ring was likewise installed on the west garden on October 14, 2011. Technical inspection occurred on October 9, 2011, and approval was given pending the addition of the concrete riser rings. Official approval was given on October 19, 2011, by Andy Schilling and Shawn Tracy.</p> <p>The amount spent on Technical/Engineering was \$1,000.00.</p>		

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	1
Description			
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	2 COUNT	Installed Date	
Final Indicator for Legacy Migrated Data			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	0.05
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Rush Creek		
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.08
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Rush Creek		
Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	0.01
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Rush Creek		

Grant Activity - 2011 CWF-Roads Temporary Project			
Description	Unidentified project at this point. Project will be an erosion stabilization type of project on a site that is adjacent to public roads and rivers.		
Category	SPECIAL PROJECTS		
Start Date		End Date	
Rates and Hours			
Actual Results			

Grant Activity - 2011 CWF-Wyoming Library

<p>Description</p>	<p>As Best Management Practices (BMP's) such as rain gardens and infiltration swales begin to be implemented in Chisago County, most people don't understand what they are and what their purpose is. With the dual goals of treating stormwater runoff and educating the public, the SWCD applied for and received a Clean Water Fund grant to implement several pre-designed BMP's at public locations in Chisago County. Three locations will be involved: the Wyoming Library, the Chisago Lakes Middle School, and the Rush City High School. These locations are spread out throughout Chisago County in three separate cities, are all highly visible to the public, and will reach different audiences.</p> <p>Water-smart BMPs reduce the impacts of stormwater runoff by slowing, capturing, or infiltrating water. Runoff water carries sediment, chemicals, excess nutrients, and other undesirable items into the nearest water body, which reduces clarity, quality, and habitat. The implementation of infiltration basins and swales captures runoff from highly impervious areas, such as roofs and parking lots. Water that is directed into these BMPs is allowed to infiltrate into the ground, which causes phosphorus, sediment, and organic matter to filter out of the water. The water that eventually enters the nearby water body carries much reduced loads of pollutants. This improves water quality by reducing the amount of phosphorus available to plants which in turn reduces algal blooms, improves water clarity by reducing suspended solids that cloud water, and improves aquatic habitat by reducing the load of chemicals that may harm aquatic life.</p> <p>Through the implementation of BMP projects at the Wyoming Library, the Chisago Lakes Middle School, and the Rush City High School, a combined 4.8 pounds per year of phosphorus and 2,400 pounds per year of total suspended solids will be filtered out of water before they reach the nearest water body.</p>		
<p>Category</p>	<p>URBAN STORMWATER MANAGEMENT PRACTICES</p>		
<p>Start Date</p>	<p>16-Aug-11</p>	<p>End Date</p>	<p>Sat Aug 20 00:00:00 CDT 2011</p>
<p>Rates and Hours</p>	<p></p>		
<p>Actual Results</p>	<p>Construction began on August 16, 2011 and was finished on August 19, 2011. Four rain garden basins were shaped according to plan. The subsoils were loosened and compost was mixed in. On August 20, 2011, 34 volunteers helped plant and mulch the entire garden area. Technical inspection was conducted by Andy Schilling and Shawn Tracy on September 1, 2011, and the gardens were approved as built.</p> <p>The total amount spent on Technical/Engineering was \$3,000.00.</p>		

Activity Action - Legacy Migrated Data			
Practice	712M - Bioretention Basin	Count of Activities	1
Description			
Proposed Size / Units	COUNT	Lifespan	10 Years
Actual Size/Units	4 COUNT	Installed Date	
Final Indicator for Legacy Migrated Data			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	0.79
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Sourth Branch Sunrise River		
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Sourth Branch Sunrise River		
Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	0.12
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	South Branch Sunrise River		

Grant Activity - 2011 Mallery Jerseys			
Description	2011 Mallery Jerseys		
Category	AGRICULTURAL PRACTICES		
Start Date		End Date	
Rates and Hours			
Actual Results	A water and sediment control basin was installed to correct active gully erosion resulting from runoff from an agricultural field. Construction is complete and final payment was issued on 9/17/13.		

Activity Action - Mallery Jerseys North Basin WASCOB			
Practice	638 - Water and Sediment Control Basin	Count of Activities	1
Description	Units Lineal Feet, NOT ACRES		
Proposed Size / Units	297 COUNT	Lifespan	10 Years
Actual Size/Units	COUNT	Installed Date	
Final Indicator for Mallery Jerseys North Basin WASCOB			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	St. Croix River		
Final Indicator for Mallery Jerseys North Basin WASCOB			
Indicator Name	SOIL (EST. SAVINGS)	Value	16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	St. Croix River		
Final Indicator for Mallery Jerseys North Basin WASCOB			
Indicator Name	SEDIMENT (TSS)	Value	8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	St. Croix River		

Grant Attachments

Document Name	Document Type	Description
ASBUILT.pdf	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/02/2013
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/07/2013
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/14/2013
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/02/2013
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/22/2013
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 09/24/2013
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 09/19/2013
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/14/2013
All details report 2011 CWA	Journal	Journal Dated - 09/24/2013

Document Name	Document Type	Description
CLMS_ASBUILT.pdf	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
CWF FY11 Final Financial Report	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
Copy of DSC01309.JPG	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
Copy of DSC01316.JPG	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
DSC00010.JPG	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
DSC00025.JPG	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
DSC01461.JPG	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
DSC01558.JPG	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
DSC01574.JPG	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
DSC01612.JPG	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
DSC01615.JPG	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
DSC_0697.jpg	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
DSC_0699.jpg	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
DSC_0703.jpg	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
Final Financial Report for Stabilization of Erosion Concerns Adjacent to Public Roads and Rivers	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
Financial Report (3 grants) 2011 CWA	Journal	Journal Dated - 09/24/2013
Financial Reports	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
OlindaTownhomesPD.pdf	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
PB100066.JPG	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
WYOMING_FINALPLAN.pdf	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
grant_app_general-added.rpt	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
grant_app_general-added.rpt	Grant	2011 - Clean Water Assistance - Chisago (SWCD)
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