



# Grant All-Detail Report

## 2013 - Targeted Drainage Water Management

**Grant Title** - 2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)

**Grant ID** - C13-4566

**Organization** - Greater Blue Earth River Basin Alliance

<b>Grant Awarded Amount</b>	<b>\$170,000.00</b>	<b>Grant Execution Date</b>	
<b>Required Match Amount</b>	\$42,500.00	<b>Grant End Date</b>	1/1/2020
<b>Required Match %</b>	25%	<b>Grant Day To Day Contact</b>	

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$170,000.00	\$95,661.04	\$74,338.96
Total Match Amount	\$171,598.42	\$44,918.31	\$126,680.11
Total Other Funds	\$90,105.48	\$90,105.48	\$0.00
<b>Total</b>	<b>\$431,703.90</b>	<b>\$230,684.83</b>	<b>\$201,019.07</b>

\*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

### Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2013 - Targeted Drainage Water Management - Administration/Coordination	Administration /Coordination	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)	\$8,500.00	\$8,500.00	12/31/2014	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2013 - Targeted Drainage Water Management - Administration/Coordination	Administration/Coordination	Local Fund	2013 - Targeted Drainage Water Management - GBERBA, SWCD, County - In-Kind	\$1,500.00			Y
2013 - Targeted Drainage Water Management - Land and Water Treatment	Non-Structural Management Practices	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)	\$0.00			N
2013 - Targeted Drainage Water Management - Land and Water Treatment	Non-Structural Management Practices	Federal Funds	2013 - Targeted Drainage Water Management - EQIP Match	\$0.00			Y
2013 - Targeted Drainage Water Management - Land and Water Treatment	Non-Structural Management Practices	Landowner Fund	2013 - Targeted Drainage Water Management - Landowner In-Kind	\$0.00			Y
2013 - Targeted Drainage Water Management - Project Development	Project Development	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)	\$4,000.00	\$2,708.48	12/31/2014	N
2013 - Targeted Drainage Water Management - Project Development	Project Development	Local Fund	2013 - Targeted Drainage Water Management - GBERBA, SWCD, County - In-Kind	\$2,000.00	\$1,045.00	12/31/2014	Y
2013 - Targeted Drainage Water Management - Technical and Engineering	Technical/Engineering Assistance	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)	\$25,500.00	\$13,672.87	12/17/2014	N
2013 - Targeted Drainage Water Management - Technical and Engineering	Technical/Engineering Assistance	Local Fund	2013 - Targeted Drainage Water Management - GBERBA, SWCD, County - In-Kind	\$5,000.00	\$1,983.76	12/31/2014	Y
Anticipated Drainage Practices	Special Projects	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Ear..	\$9,870.31			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
CWF-CDP-13-17-01 Bruce Turner	Special Projects	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)	\$11,995.86	\$11,995.86	12/13/2013	N
CWF-CDP-13-17-01 Bruce Turner	Special Projects	Federal Funds	2013 - Targeted Drainage Water Management - EQIP Match	\$5,986.28	\$5,986.28	12/13/2013	Y
CWF-CDP-13-17-02 Mark Redman	Conservation Drainage	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Ear..	\$4,518.74	\$4,518.74	12/13/2013	N
CWF-CDP-13-17-04 Gary Anderson	Wetland Restoration/Cr eation	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Ear..	\$3,426.00	\$3,426.00	9/13/2013	N
CWF-CDP-13-17-04 Gary Anderson	Wetland Restoration/Cr eation	Federal Funds	2013 - Targeted Drainage Water Management - USF&WS Match	\$1,650.00	\$1,650.00	8/22/2013	Y
CWF-CDP-13-17-04 Gary Anderson	Wetland Restoration/Cr eation	Landowner Fund	2013 - Targeted Drainage Water Management - Landowner In-Kind	\$261.45	\$261.45	8/22/2013	Y
CWF-CDP-13-22-01 Neal Mensing	Agricultural Practices	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Ear..	\$50,000.00			N
CWF-CDP-13-22-01 Neal Mensing	Agricultural Practices	Local Fund	Local Fund - Drainage Authority	\$120,806.00			Y
CWF-CDP-13-46-02 James Johnson	Agricultural Practices	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Ear..	\$15,000.00	\$15,000.00	12/12/2014	N
CWF-CDP-13-46-02 James Johnson	Agricultural Practices	Local Fund	Local Funding - Fox Lake Conservation Club	\$1,521.25	\$1,521.25	12/12/2014	Y
CWF-CDP-13-46-10 Darwin Roberts	Conservation Drainage	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)	\$23,478.61	\$23,478.61	11/8/2013	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
CWF-CDP-13-46-10 Darwin Roberts	Conservation Drainage	Landowner Fund	2013 - Targeted Drainage Water Management - Landowner In-Kind	\$7,826.20	\$7,826.20	11/8/2013	Y
CWF-CDP-13-81-01 Al Hagen	Special Projects	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)	\$1,875.00	\$1,875.00	7/12/2013	N
CWF-CDP-13-81-01 Al Hagen	Special Projects	Landowner Fund	2013 - Targeted Drainage Water Management - Landowner In-Kind	\$3,203.00	\$3,203.00	7/12/2013	Y
CWF-CDP-13-83-01 Robert Wright	Agricultural Practices	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Ear..	\$450.00			N
CWF-CDP-13-83-01 Robert Wright	Agricultural Practices	Landowner Fund	2013 - Targeted Drainage Water Management - Landowner In-Kind	\$0.00			Y
CWF-CDP-13-83-02 Brad Lunz	Conservation Drainage	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Ear..	\$900.00			N
CWF-CDP-13-83-02 Brad Lunz	Conservation Drainage	Landowner Fund	Landowner contribution	\$402.87			Y
Fish Lake-CWF-2011-09 Tony Thompson	Conservation Drainage	Current State Grant	2013 - Targeted Drainage Water Management - Greater Blue Ear..	\$10,485.48	\$10,485.48	12/12/2014	N
Fish Lake-CWF-2011-09 Tony Thompson	Conservation Drainage	Other Funds	2011 - Conservation Drainage - Cottonwood (SWCD)	\$51,606.53	\$17,879.93	11/25/2014	N
Fish Lake-CWF-2011-09 Tony Thompson	Conservation Drainage	Other Funds	2011 - Conservation Drainage - Cottonwood (SWCD)	\$51,606.53	\$33,726.60	11/25/2014	N
Fish Lake-CWF-2011-09 Tony Thompson	Conservation Drainage	Other Funds	2011 - Fish Lake - Landowner Contribution	\$1,842.38	\$214.44	1/24/2013	Y
Fish Lake-CWF-2011-09 Tony Thompson	Conservation Drainage	Other Funds	2011 - Fish Lake - Landowner Contribution	\$1,842.38	\$1,627.94	1/24/2013	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Fish Lake-CWF-2011-09 Tony Thompson	Conservation Drainage	Other Funds	2011 - Fish Lake - Partner Contribution - Cash	\$5,683.34	\$5,683.34	12/19/2013	Y

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Size / Unit
643 - Restoration and Management of Declining Habitats	3	1	2 AC
587 - Structure for Water Control	3	1	3 COUNT
172M - Alternative Tile Intake - Gravel Inlet	14	7	0 COUNT
747 - Denitrifying Bioreactor	58	9	58 COUNT

### Indicators Summary

Indicator Name	Total Value	Unit
<b>SEDIMENT (TSS)</b>	2.91	TONS/YR
<b>SOIL (EST. SAVINGS)</b>	79.14	TONS/YR
<b>NITROGEN</b>	1,154.80	LBS/YR
<b>PHOSPHORUS (EST. REDUCTION)</b>	14.93	LBS/YR

## Grant Activity

Grant Activity - 2013 - Targeted Drainage Water Management - Administration/Coordination			
Description	<p>The Targeted Drainage Water Management Pilot Grant Project is designed to plan and implement drainage water management to protect and improve water quality.</p> <p>Administration and Coordination of this project will be provided by the GBERBA Coordinators and Bookkeeper. The Administrative Coordinator will administer the 2013 Pilot Grant. Administration will include all E-link, website and reporting documents as required by BWSR. The fiscal management will be completed by the GBERBA Bookkeeper and include all reporting documents as required by BWSR.</p> <p>Administrative Funds:            Total: \$8,500.00 (5%)            GBERBA: \$8,500.00</p> <p>In-Kind Matching Funds:            Total: \$1,500.00            GBERBA: \$1,500.00</p>		
	Category	ADMINISTRATION/COORDINATION	
Start Date	13-Sep-12	End Date	31-Dec-14
Rates and Hours			
Actual Results	<p>July-December 2012:            BWSR notified encumbrance for grant commencing on September 13, 2012.</p> <p>Administrative Duties:            Contract and Voucher processing; Accounts receivable and payable through GBERBA accounting system and Elink Reporting as required by BWSR.</p> <p>January - December 2012            Administrative Funds: Total \$400.00            GBERBA: \$400.00            In-Kind Matching Funds: Total \$0.00</p>		

January - December 2013

Administrative Funds: Total \$4,750

In-Kind Matching Funds: Total \$0.00

January - December 2014

Administrative Funds: Total \$3,350.00

In-Kind Matching Funds: Total \$479.64

## Grant Activity - 2013 - Targeted Drainage Water Management - Land and Water Treatment

### Description

GBERBA Technical Committee and Policy Board will approve the Conservation Drainage Pilot Grant CWF Policies at the September 7, 2012 and September 19, 2012 meetings.

These funds are for a pilot project to plan and implement drainage water management practices as listed:

~Conservation Activity Plan (CAP) 130 Drainage Water Management Plan

-Must be developed by a certified Technical Service Provider (TSP).

~Structure for Water Control (NRCS 587)

~Drainage Water Management, Implementation/Operation (NRCS 554)

-CAP130 is required.

-Where Controlled Subsurface Drainage Structures installed

-\$7.58/acre per year for first 3 years of implementation/operation

-Maximum 300 acres per cooperator.

~Denitrifying Bioreactor (NRCS 747)

-Eligible on existing or new tile drainage systems.

~Conservation Activity Plan (CAP) 104 Nutrient Management Plan

-Must be developed by a certified Technical Service Provider (TSP).

~Nutrient Management Plan (NRCS 590)

-CAP 104 required.

-Nutrient Management Plan implementation

-\$5.44/acre per year, first 3 years of implementation CAP 104 acres wo/manure

-\$10.78/acre per year, first 3 years of implementation CAP 104 acres w/manure

-Maximum 300 acres per cooperator.

~Replacement of Existing Open Tile Inlet(s)

-In accordance with NRCS 606 Subsurface Drain practice.

-Eligible practice perforated riser or dense pattern tile.

Numbering system for grant - (CWF-CDP-13-Co#-Project#)

Project Costs:

Total: \$132,000.00



	In-Kind Matching Funds: Total: \$34,000.00 EQIP: \$20,000.00 Landowner: \$14,000.00	
<b>Category</b>	NON-STRUCTURAL MANAGEMENT PRACTICES	
<b>Start Date</b>	13-Sep-12	<b>End Date</b>
<b>Rates and Hours</b>		
<b>Actual Results</b>	<p>JANUARY - DECEMBER 2013:</p> <p>Two projects completed during the year utilized Federal EQIP Cost-Share.          TOTAL: \$20,766.75          EQIP: \$9,476.10          LANDOWNER CONTRIBUTION: \$11,290.65</p> <p>JANUARY - DECEMBER 2014:</p> <p>Two projects completed during the year utilized Federal EQIP Cost-Share.          TOTAL: \$19,601.55</p> <p>One project utilized local conservation group funding.          TOTAL: \$1,521.25</p>	

**Grant Activity - 2013 - Targeted Drainage Water Management - Project Development**

<p><b>Description</b></p>	<p>The Project Development Initiative will be used to facilitate two field days throughout the Greater Blue Earth River Watershed to promote Conservation Drainage. Tasks will include mailings, advertising, site prep and refreshments.</p> <p>Field days will be promoted to landowners, contractors and interested local citizens to the benefits of Conservation Drainage and eligible practices. When participants can see actual practices on-the-ground the concept of conservation drainage is more easily understood and applicable to their daily farming practices.</p> <p>Project Development:                  Total: \$4,000.00 (2%)                  GBERBA/SWCDs/Counties: \$4,000.00</p> <p>In-Kind Matching Funds:                  Total: \$2,000.00                  GBERBA/SWCDs/Counties: \$2,000.00</p>		
<p><b>Category</b></p>	<p>PROJECT DEVELOPMENT</p>		
<p><b>Start Date</b></p>	<p>13-Sep-12</p>	<p><b>End Date</b></p>	
<p><b>Rates and Hours</b></p>			
<p><b>Actual Results</b></p>	<p>January - December 2014:                  GBERBA held a Drainage Water Management Tour on 9-12-14 in conjunction with their September Policy-Technical Meeting. Meeting and tour focus was on Conservation Drainage and Drainage Water Management. Joe Magner gave a presentation and tour was conducted throughout Martin County - with SWCD staff as our guide. (See attachments)</p> <p>Total Project Expenses - \$2,708.48                  Tour Cost: \$1,694.96                  Martin SWCD Staff Time: \$1,013.52</p> <p>Total Match - \$1,045.00                  Cottonwood SWCD: \$565.36                  GBERBA: \$479.64</p>		

**Grant Activity - 2013 - Targeted Drainage Water Management - Technical and Engineering**

<p><b>Description</b></p>	<p>Engineering assistance for this project could be completed by several entities and are as follows:                  South Central TSA located in Blue Earth County; Southwest Prairie TSA in Murray County and qualified District Staff and eligible Technical Service Providers will complete and certify final designs, and supervise the installation of drainage water management projects.</p> <p>GBERBA Technical Coordinator will be working with participating SWCDs to ensure qualified technical staff are being utilized throughout the project.</p> <p>Technical and Engineering Funds:                  Total: \$25,500.00 (15%)                  Qualifying TSA, SWCD or TSP: \$25,500.00</p> <p>In-Kind Matching Funds:                  Total: \$5,000.00                  SWCDs and Counties: \$5,000.00</p>		
<p><b>Category</b></p>	<p>TECHNICAL/ENGINEERING ASSISTANCE</p>		
<p><b>Start Date</b></p>	<p>13-Sep-12</p>	<p><b>End Date</b></p>	
<p><b>Rates and Hours</b></p>			
<p><b>Actual Results</b></p>	<p>January - December 2013:                  Five Projects were completed with Technical and Engineering Payments as follows:                  TOTAL: \$8,749.71                  Cottonwood SWCD (3 Projects) - \$3,852.03                  Martin SWCD (1 Project) - \$4,535.48                  Waseca SWCD (1 Project) - \$362.20</p> <p>January - December 2014:                  Two projects were completed with Technical and Engineering Payments as follows:                  TOTAL: \$4,923.16</p>		

Cottonwood SWCD (4) - \$2,025.53  
Martin SWCD (1) - \$2,897.63

**Grant Activity - Anticipated Drainage Practices**

<p><b>Description</b></p>	<p>These funds are for a pilot project to plan and implement drainage water management practices as listed:</p> <ul style="list-style-type: none"> <li>~Conservation Activity Plan (CAP) 130 Drainage Water Management Plan                             <ul style="list-style-type: none"> <li>-Must be developed by a certified Technical Service Provider (TSP).</li> </ul> </li> <li>~Structure for Water Control (NRCS 587)</li> <li>~Drainage Water Management, Implementation/Operation (NRCS 554)                             <ul style="list-style-type: none"> <li>-CAP130 is required.</li> <li>-Where Controlled Subsurface Drainage Structures installed</li> <li>-\$7.58/acre per year for first 3 years of implementation/operation</li> <li>-Maximum 300 acres per cooperator.</li> </ul> </li> <li>~Denitrifying Bioreactor (NRCS 747)                             <ul style="list-style-type: none"> <li>-Eligible on existing or new tile drainage systems.</li> </ul> </li> <li>~Conservation Activity Plan (CAP) 104 Nutrient Management Plan                             <ul style="list-style-type: none"> <li>-Must be developed by a certified Technical Service Provider (TSP).</li> </ul> </li> <li>~Nutrient Management Plan (NRCS 590)                             <ul style="list-style-type: none"> <li>-CAP 104 required.</li> <li>-Nutrient Management Plan implementation</li> <li>-\$5.44/acre per year, first 3 years of implementation CAP 104 acres wo/manure</li> <li>-\$10.78/acre per year, first 3 years of implementation CAP 104 acres w/manure</li> <li>-Maximum 300 acres per cooperator.</li> </ul> </li> <li>~Replacement of Existing Open Tile Inlet(s)                             <ul style="list-style-type: none"> <li>-In accordance with NRCS 606 Subsurface Drain pactice.</li> <li>-Eligible practice perforated riser or dense pattern tile.</li> </ul> </li> </ul>		
<p><b>Category</b></p>	<p>SPECIAL PROJECTS</p>		
<p><b>Start Date</b></p>		<p><b>End Date</b></p>	
<p><b>Rates and Hours</b></p>			
<p><b>Actual Results</b></p>			

Grant Activity - CWF-CDP-13-17-01 Bruce Turner			
Description	CWF-CDP-13-17-01 Bruce Turner Woodchip bioreactors		
Category	SPECIAL PROJECTS		
Start Date	28-Sep-12	End Date	13-Dec-13
Rates and Hours			
Actual Results	CWF-CDP-13-17-01 Bruce Turner. Installation of 3 Woodchip bioreactors (747) in Cottonwood county, section 9, Lakeside township.		

Activity Action - Legacy Migrated Data			
Practice	747 - Denitrifying Bioreactor	Count of Activities	1
Description			
Proposed Size / Units	1 COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	13-Dec-13
Final Indicator for Legacy Migrated Data			
Indicator Name	NITROGEN	Value	28.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	31059		
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.29
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	31059		

Activity Action - Legacy Migrated Data			
Practice	747 - Denitrifying Bioreactor	Count of Activities	1
Description			
Proposed Size / Units	COUNT	Lifespan	Unknown
Actual Size/Units	1 COUNT	Installed Date	
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.29
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	31059		

Final Indicator for Legacy Migrated Data			
Indicator Name	NITROGEN	Value	28.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	31059		

Activity Action - Legacy Migrated Data			
Practice	747 - Denitrifying Bioreactor	Count of Activities	1
Description			
Proposed Size / Units	COUNT	Lifespan	Unknown
Actual Size/Units	1 COUNT	Installed Date	

Final Indicator for Legacy Migrated Data			
Indicator Name	NITROGEN	Value	28.64
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	31059		

Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.29
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	31059		

Grant Activity - CWF-CDP-13-17-02 Mark Redman			
Description	CWF-CDP-13-17-02 Mark Redman. Woodchip bioreactors		
Category	CONSERVATION DRAINAGE		
Start Date	7-Dec-12	End Date	13-Dec-13
Rates and Hours			
Actual Results	CWF-CDP-13-17-02 Mark Redman. Installation of 2 woodchip bioreactors in Cottonwood county, section 9, Lakeside township.		

Activity Action - CWF-CDP-13-17-02			
Practice	747 - Denitrifying Bioreactor	Count of Activities	1
Description			
Proposed Size / Units	1 COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	13-Dec-13
Final Indicator for CWF-CDP-13-17-02			
Indicator Name	NITROGEN	Value	12.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	31059		
Final Indicator for CWF-CDP-13-17-02			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	31059		

Grant Activity - CWF-CDP-13-17-04 Gary Anderson			
Description	CWF-CDP-13-17-04 Gary Anderson		
Category	WETLAND RESTORATION/CREATION		
Start Date	13-Mar-13	End Date	13-Sep-13
Rates and Hours			
Actual Results	CWF-CDP-13-17-04 Gary Anderson. Wetland restoration in Cottonwood county, section 32, Lakeside township		

Activity Action - CWF-CDP-13-17-04 Gary Anderson			
Practice	643 - Restoration and Management of Declining Habitats	Count of Activities	1
Description			
Proposed Size / Units	1 AC	Lifespan	10 Years
Actual Size/Units	1 AC	Installed Date	13-Sep-13
Final Indicator for CWF-CDP-13-17-04 Gary Anderson			
Indicator Name	SEDIMENT (TSS)	Value	.77
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	31060		



Final Indicator for CWF-CDP-13-17-04 Gary Anderson			
Indicator Name	SOIL (EST. SAVINGS)	Value	077
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	31060		
Final Indicator for CWF-CDP-13-17-04 Gary Anderson			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.77
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	31060		

Grant Activity - CWF-CDP-13-22-01 Neal Mensing			
Description	CWF-CDP-13-22-01 Neal Mensing - Faribault County Drainage Water Management (554) Saturated Buffer Strip Denitrifying Bioreactor (747)		
Category	AGRICULTURAL PRACTICES		
Start Date	12-Jun-14	End Date	
Rates and Hours			
Actual Results	January - December 2014 Requested Cost-Share of \$50,000.00		

Grant Activity - CWF-CDP-13-46-02 James Johnson			
Description	Conservation Drainage Practice Implementation		
Category	AGRICULTURAL PRACTICES		
Start Date	30-Apr-14	End Date	12-Dec-14
Rates and Hours			
Actual Results	Water Control Structure - 587 completed and paid on 12-12-2014 - Section 27 - Nashville Township - Martin County.		

Activity Action - CWF-CDP-13-46-02 James Johnson			
Practice	587 - Structure for Water Control	Count of Activities	1
Description	Project Completed James Johnson CWF-CDP-13-46-02 Water Control Structure - 587		
Proposed Size / Units	1 COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	12-Dec-14
Final Indicator for CWF-CDP-13-46-02 James Johnson			
Indicator Name	SEDIMENT (TSS)	Value	1.65
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	30051		
Final Indicator for CWF-CDP-13-46-02 James Johnson			
Indicator Name	SOIL (EST. SAVINGS)	Value	1.65
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	30051		
Final Indicator for CWF-CDP-13-46-02 James Johnson			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1.65
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	30051		

Grant Activity - CWF-CDP-13-46-10 Darwin Roberts			
Description	Conservation Drainage practice implementation: Denitrifying bioreactor (747)		
Category	CONSERVATION DRAINAGE		
Start Date	12-Dec-12	End Date	08-Nov-13
Rates and Hours			
Actual Results	Installation of 1 denitrifying bioreactor in Martin county, Center Creek township, section 5.		

Activity Action - Legacy Migrated Data			
Practice	747 - Denitrifying Bioreactor	Count of Activities	1
Description			
Proposed Size / Units	1 COUNT	Lifespan	10 Years
Actual Size/Units	1 COUNT	Installed Date	8-Nov-13
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.2
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	30051		
Final Indicator for Legacy Migrated Data			
Indicator Name	NITROGEN	Value	15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	30051		

Grant Activity - CWF-CDP-13-81-01 Al Hagen			
Description	Installation of alternative tile intakes.		
Category	SPECIAL PROJECTS		
Start Date	12-Dec-12	End Date	16-Jul-13
Rates and Hours			
Actual Results	Installation of 7 Alternative Tile Intake - Gravel Inlets (172M) in Waseca county, New Richland township, section 1.		

Activity Action - Legacy Migrated Data			
Practice	172M - Alternative Tile Intake - Gravel Inlet	Count of Activities	7
Description			
Proposed Size / Units	7 COUNT	Lifespan	10 Years
Actual Size/Units	COUNT	Installed Date	12-Jul-13
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.56
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Le Sueur Watershed		

Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	.49
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Le Sueur Watershed		
Final Indicator for Legacy Migrated Data			
Indicator Name	SOIL (EST. SAVINGS)	Value	.49
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Le Sueur Watershed		

Activity Action - Legacy Migrated Data			
Practice	172M - Alternative Tile Intake - Gravel Inlet	Count of Activities	0
Description			
Proposed Size / Units	0 COUNT	Lifespan	Unknown
Actual Size/Units	0 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	172M - Alternative Tile Intake - Gravel Inlet	Count of Activities	0
Description			
Proposed Size / Units	0 COUNT	Lifespan	Unknown
Actual Size/Units	0 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	172M - Alternative Tile Intake - Gravel Inlet	Count of Activities	0
Description			
Proposed Size / Units	0 COUNT	Lifespan	Unknown
Actual Size/Units	0 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	172M - Alternative Tile Intake - Gravel Inlet	Count of Activities	0
Description			
Proposed Size / Units	0 COUNT	Lifespan	Unknown
Actual Size/Units	0 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	172M - Alternative Tile Intake - Gravel Inlet	Count of Activities	0
Description			
Proposed Size / Units	0 COUNT	Lifespan	Unknown
Actual Size/Units	0 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	172M - Alternative Tile Intake - Gravel Inlet	Count of Activities	0
Description			
Proposed Size / Units	0 COUNT	Lifespan	Unknown
Actual Size/Units	0 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	172M - Alternative Tile Intake - Gravel Inlet	Count of Activities	0
Description			
Proposed Size / Units	0 COUNT	Lifespan	Unknown
Actual Size/Units	0 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	172M - Alternative Tile Intake - Gravel Inlet	Count of Activities	0
Description			
Proposed Size / Units	0 COUNT	Lifespan	Unknown
Actual Size/Units	0 COUNT	Installed Date	

Activity Action - Legacy Migrated Data			
Practice	172M - Alternative Tile Intake - Gravel Inlet	Count of Activities	0
Description			
Proposed Size / Units	0 COUNT	Lifespan	Unknown
Actual Size/Units	0 COUNT	Installed Date	

Grant Activity - CWF-CDP-13-83-01 Robert Wright			
Description	CWF-CDP-13-83-01 Robert Wright. Alternative tile intakes.		
Category	AGRICULTURAL PRACTICES		
Start Date	13-Jun-13	End Date	
Rates and Hours			
Actual Results			

Grant Activity - CWF-CDP-13-83-02 Brad Lunz			
Description	CWF-CDP-13-83-02 Brad Lunz. Alternative tile intakes		
Category	CONSERVATION DRAINAGE		
Start Date	18-Jul-13	End Date	
Rates and Hours			
Actual Results			

**Grant Activity - Fish Lake-CWF-2011-09 Tony Thompson**

<b>Description</b>	<p>CWF-CDP-13-17-03 - Tony Thompson</p> <p>(8) Bioreactors</p> <p>Funding Landowner Contribution</p> <table border="0"> <tr> <td>Land Value</td> <td>\$1,627.94</td> </tr> <tr> <td>Crop Damage</td> <td>\$0.00</td> </tr> <tr> <td>Landowner Time</td> <td>\$214.44</td> </tr> <tr> <td><b>TOTAL:</b></td> <td><b>\$1,842.38</b></td> </tr> </table> <p>Local Match:</p> <table border="0"> <tr> <td>USF&amp;WS</td> <td>\$4,183.34</td> </tr> <tr> <td>Game &amp; Fish League</td> <td>\$1,500.00</td> </tr> <tr> <td><b>TOTAL:</b></td> <td><b>\$5,683.34</b></td> </tr> </table>			Land Value	\$1,627.94	Crop Damage	\$0.00	Landowner Time	\$214.44	<b>TOTAL:</b>	<b>\$1,842.38</b>	USF&WS	\$4,183.34	Game & Fish League	\$1,500.00	<b>TOTAL:</b>	<b>\$5,683.34</b>
Land Value	\$1,627.94																
Crop Damage	\$0.00																
Landowner Time	\$214.44																
<b>TOTAL:</b>	<b>\$1,842.38</b>																
USF&WS	\$4,183.34																
Game & Fish League	\$1,500.00																
<b>TOTAL:</b>	<b>\$5,683.34</b>																
<b>Category</b>	CONSERVATION DRAINAGE																
<b>Start Date</b>	23-Jan-13	<b>End Date</b>	25-Nov-14														
<b>Rates and Hours</b>																	
<b>Actual Results</b>	<p>Completed 4 Bioreactor project 11-19-13 with certification by Russell Hoogendorn, Southwest Prairie TSA Engineer. To the best of my professional judgement and belief, this practice is installed in accordance with the plans and specifications and meets NRCS standards.</p> <p>Bioreactor #4 - 259 cu. yds of woodchips; Bioreactor #5 - 104 cu yds of woodchips; Bioreactor #6 - 192 cu yds of woodchips; Bioreactor #7 - 259 cu yds of woodchips;</p> <p>Completed 4 Bioreactor project 10-07-14 with certification by Russell Hoogendorn, Southwest Prairie TSA Engineer. To the best of my professional judgement and belief, this practice is installed in accordance with the plans and specifications and meets NRCS standards.</p> <p>Bioreactor #1 - 227 cu yds of woodchips; Bioreactor #2 - 173 cu yds of woodchips; Bioreactor #3 - 173 cu yds of woodchips; Bioreactor #8 - 156 cu yds of woodchips;</p>																

Activity Action - Fish Lake-CWF-2011-09 Tony Thompson			
Practice	747 - Denitrifying Bioreactor	Count of Activities	4
Description			
Proposed Size / Units	4 COUNT	Lifespan	10 Years
Actual Size/Units	4 COUNT	Installed Date	25-Nov-14
Final Indicator for Fish Lake-CWF-2011-09 Tony Thompson			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5.375
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	31009		
Final Indicator for Fish Lake-CWF-2011-09 Tony Thompson			
Indicator Name	NITROGEN	Value	520.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	31009		

Activity Action - Legacy Migrated Data			
Practice	747 - Denitrifying Bioreactor	Count of Activities	4
Description			
Proposed Size / Units	4 COUNT	Lifespan	10 Years
Actual Size/Units	4 COUNT	Installed Date	19-Nov-13
Final Indicator for Legacy Migrated Data			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5.375
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	31009		
Final Indicator for Legacy Migrated Data			
Indicator Name	NITROGEN	Value	520.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	31009		

### Grant Attachments

Document Name	Document Type	Description
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/31/2014



Document Name	Document Type	Description
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/24/2014
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 06/06/2014
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/30/2015
<b>BROWN COUNTY INCLUSION MOTION</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)
<b>Conservation Drainage FY13 Grant - Disbursement Journal - 12-31-2014</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)
<b>Drainage Disbursement Journal - January - December - 2013</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)
<b>GBERBA - CWF - 2013 - Conservation Drainage Pilot Grant - Policy.doc</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)
<b>GBERBA - CWF - 2013 - Conservation Drainage Pilot Grant - Policy.doc</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)
<b>GBERBA - Letter - Policy - List of Invitees</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)
<b>GBERBA - Policy-Technical Meeting - Agenda - 9-12-14</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)
<b>GBERBA - Tour Handout - Bioreactors - 9-12-14</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)
<b>GBERBA - Tour Handout - Drainage Water Management - 9-12-14</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)
<b>GBERBA - Tour Guide - 9-12-14</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)
<b>GBERBA FY13 Drianage Mgmt Grant Execution clarification email.pdf</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)
<b>GBERBA FY13 Targeted Drainage executed GA notification.pdf</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)
<b>GBERBA Policy-Technical Meeting Minutes - 1-9-15 - Brown County Inclusion</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)

Document Name	Document Type	Description
<b>grant_app_general-added.rpt</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)
<b>grant_app_general-added.rpt</b>	Grant	2013 - Targeted Drainage Water Management - Greater Blue Earth River Basin Alliance (JPB)