



## Grant All-Detail Report MAWQCP Incentive 2014

**Grant Title** - 2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alliance)

**Grant ID** - P14-5557

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

<b>Grant Awarded Amount</b>	<b>\$80,000.00</b>	<b>Grant Execution Date</b>	
<b>Required Match Amount</b>	<b>\$0.00</b>	<b>Grant End Date</b>	12/31/2015
<b>Required Match %</b>	<b>0%</b>	<b>Grant Day To Day Contact</b>	Kay Gross

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$70,447.59	\$70,447.59	\$9,552.41
Total Match Amount	\$644.25	\$644.25	\$0.00
Total Other Funds	\$31,674.51	\$13,032.99	\$18,641.52
<b>Total</b>	<b>\$102,766.35</b>	<b>\$84,124.83</b>	<b>\$28,193.93</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	Match
GBERBA-LWS-07-01 Jim Krahling	Agricultural Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$3,792.51	\$3,792.51	8/12/2016	N
GBERBA-LWS-07-01 Jim Krahling	Agricultural Practices	Other Funds	Linking Water Storage (Section 319)	\$13,032.99	\$13,032.99	8/12/2016	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction	
						Date	Match
GBERBA-LWS-07-01 Jim Krahling	Agricultural Practices	Other Funds	Linking Water Storage Cost-Share	\$13,032.99			N
GBERBA-LWS-07-01 Jim Krahling	Agricultural Practices	Other Funds	Local landowner contribution	\$5,608.53			Y
MAWQCP-14-17-01 Tom Muller	Agricultural Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$5,000.00	\$5,000.00	11/18/2016	N
MAWQCP-14-32-01 Brad Henning	Non-Structural Management Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$1,000.00	\$1,000.00	3/4/2016	N
MAWQCP-14-32-02 Arnold Henning	Non-Structural Management Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$1,000.00	\$1,000.00	3/4/2016	N
MAWQCP-14-32-03 Doug Swanson	Agricultural Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$4,675.20	\$4,675.20	12/11/2015	N
MAWQCP-14-32-04 Bruce Swanson	Subsurface Sewage Treatment Systems	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$5,000.00	\$5,000.00	11/18/2016	N
MAWQCP-14-42-01 Randy Tholen	Conservation Drainage	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$1,932.75	\$1,932.75	1/21/2017	N
MAWQCP-14-42-01 Randy Tholen	Conservation Drainage	Landowner Fund	Landowner contribution	\$644.25	\$644.25	12/21/2016	Y
MAWQCP-14-46-01 Faber Brothers	Streambank or Shoreline Protection	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$5,000.00	\$5,000.00	4/8/2016	N
MAWQCP-14-46-02 Faber Brothers	Streambank or Shoreline Protection	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$5,000.00	\$5,000.00	12/21/2016	N
MAWQCP-14-46-03 Darwin Roberts	Agricultural Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$3,148.00	\$3,148.00	11/21/2014	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction	
						Date	Match
MAWQCP-14-46-04 Darwin Roberts	Conservation Drainage	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$0.00			N
MAWQCP-14-46-05 Thomas Maday	Agricultural Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$0.00			N
MAWQCP-14-46-06 Thomas Maday	Agricultural Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$5,000.00	\$5,000.00	7/16/2015	N
MAWQCP-14-46-07 Thomas Maday	Agricultural Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$0.00			N
MAWQCP-14-46-08 Thomas Maday	Agricultural Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$0.00			N
MAWQCP-14-46-09 Thomas Maday	Agricultural Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$0.00			N
MAWQCP-14-46-10 4-M Farms	Agricultural Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$10,890.00	\$10,890.00	11/18/2016	N
MAWQCP-14-46-11 Darwin Roberts	Agricultural Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$5,000.00	\$5,000.00	10/22/2015	N
MAWQCP-14-46-12 Darwin Roberts	Conservation Drainage	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$2,000.00	\$2,000.00	11/18/2016	N
MAWQCP-14-Agreement - Area 5 & 6 Certification Specialists	Agricultural Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$9,782.11	\$9,782.11	10/20/2016	N
MAWQCP-14-Agreement - Rural Advantage	Agricultural Practices	Current State Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alli..	\$2,227.02	\$2,227.02	1/9/2015	N

## Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
170M - Alternative Tile Intake - Dense Pattern Tiling	1	1	1 COUNT	1 COUNT
126M - Septic System Improvement	1	1	1 COUNT	1 COUNT
393 - Filter Strip	1	1	15.1 AC	14.52 AC
340 - Cover Crop	64	1	64.25 AC	64.25 AC
580 - Streambank and Shoreline Protection	1	1	500 LINEAR FEET	375 LINEAR FEET
340 - Cover Crop	1	3	100 AC	120 AC
340 - Cover Crop	104	1	100 AC	103.5 AC
410 - Grade Stabilization Structure	1	1	1 COUNT	1 COUNT
340 - Cover Crop	655	15	655 AC	655 AC
580 - Streambank and Shoreline Protection	1	1	150 LINEAR FEET	150 LINEAR FEET
590 - Nutrient Management	1	2	111 AC	112.9 AC

## Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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## Final Indicators Summary

Indicator Name	Total Value	Unit
<b>BOD 5</b>	541.46	LBS/YR
<b>SEDIMENT (TSS)</b>	393.81	TONS/YR
<b>SOIL (EST. SAVINGS)</b>	145.12	TONS/YR
<b>PATHOGENS (E. COLI)</b>	92,343,604,000,000.00	CFU

<b>NITROGEN</b>	19.34	LBS/YR
<b>VOLUME REDUCED (ACRE-FEET/YEAR)</b>	101.36	ACRE-FEET/YR
<b>PHOSPHORUS (EST. REDUCTION)</b>	147.96	LBS/YR

## Grant Activity

Grant Activity - GBERBA-LWS-07-01 Jim Krahlung			
<b>Description</b>	GBERBA-LWS-07-01 Jim Krahlung. Seed 655 acres of row-crop corn and soybeans with cover crop mixtures.  Cost estimate: \$23, 816.25 LWS Cost-Share: \$13,032.99 MAWQCP Cost-Share: \$4,829.01		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	10-Jun-16	<b>End Date</b>	12-Aug-16
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	655 acres were seeded with cover crops into standing corn or soybeans in Blue Earth County. Species of cover crop used were mixtures of Annual Rye Grass, Hairy Vetch, Dwarf Essex Rape, and Balansa Clover. Mixtures and seeding rates varied by field according to the plan.  Final Total Cost: \$22,434.03 LWS Cost-share: \$13, 032.99 MAWQCP Cost-share: \$3,792.51 Landowner contribution: \$5,608.53		

Activity Action - LWS-14-07-01 Jim Krahlung			
Practice	340 - Cover Crop	Count of Activities	655
Description	Seeded 655 acres of cover crops into standing corn or soybeans.		
Proposed Size / Units	655.00 AC	Lifespan	1 Year
Actual Size/Units	655.00 AC	Installed Date	1-Jul-16
Mapped Activities	15 Polygon(s)		

Final Indicator for LWS-14-07-01 Jim Krahlung

Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	101.36
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	Other
Waterbody	Minnesota River Basin		

Final Indicator for LWS-14-07-01 Jim Krahlung

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	23.89
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Minnesota River Basin		

Final Indicator for LWS-14-07-01 Jim Krahlung

Indicator Name	SOIL (EST. SAVINGS)	Value	65.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Minnesota River Basin		

Final Indicator for LWS-14-07-01 Jim Krahlung

Indicator Name	SEDIMENT (TSS)	Value	15.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Minnesota River Basin		

Grant Activity - MAWQCP-14-17-01 Tom Muller			
Description	MAWQCP-14-17-01 Tom Muller encumbered \$5,000.00 as incentive to plant 100 acres of a cover crop in Dale section 18 in Cottonwood County.		
Category	AGRICULTURAL PRACTICES		
Start Date	11-Dec-15	End Date	18-Nov-16
Has Rates and Hours?	No		
Actual Results	<p>JANUARY - DECEMBER 2015</p> <p>Elm Creek MAWQCP Incentive: \$50/acre up to 100 acres. The producer plans have rye and radishes aerially applied in the summer of 2016.</p> <p>JANUARY - DECEMBER 2016</p> <p>83.54 acres of standing corn was seeded with a mixture of cereal rye, radish, purple top turnips, and dwarf Essex rape. An additional 20 acres of the mix was seeded into soybeans. All 104 acres were seeded on August 28, 2016 in Dale Township Section 18 in Cottonwood County.</p> <p>Successful germination and good growth was reported by a GBERBA Technician on October 20, 2016.</p> <p>Total Cost: \$5,177.00 MAWQCP Incentive: \$5,000.00</p>		

Activity Action - MAWQCP-14-17-01 Tom Muller			
Practice	340 - Cover Crop	Count of Activities	104
Description	83.5 acres of standing corn and 20 acres of standing beans seeded with cover crop mix of rye, radish, rape, and turnips. Successful germination and growth with provide adequate cover through winter.		
Proposed Size / Units	100.00 AC	Lifespan	1 Year
Actual Size/Units	103.50 AC	Installed Date	29-Aug-16
Mapped Activities	1 Polygon(s)		

Final Indicator for MAWQCP-14-17-01 Tom Muller			
Indicator Name	SEDIMENT (TSS)	Value	0.48
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)

<b>Waterbody</b>	51007		
<b>Final Indicator for MAWQCP-14-17-01 Tom Muller</b>			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	1.45
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	51007		
<b>Final Indicator for MAWQCP-14-17-01 Tom Muller</b>			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	5.20
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	51007		

<b>Grant Activity - MAWQCP-14-32-01 Brad Henning</b>			
<b>Description</b>	MAWQCP-1432-01 Brad Henning.  Provide incentive of \$10/acre for up to 100 acres to perform split-application of Nitrogen. Practice to be done in Jackson County, Enterprise Township section 5 and 9.		
<b>Category</b>	NON-STRUCTURAL MANAGEMENT PRACTICES		
<b>Start Date</b>	9-Jan-15	<b>End Date</b>	04-Mar-16
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	Elm Creek Project: Split Application of Nitrogen.		



**Grant Activity - MAWQCP-14-32-02 Arnold Henning**

<b>Description</b>	MAWQCP-14-32-02 Arnold Henning		
	Provide incentive of \$10/acre up to 100 acres to perform split-application of nitrogen fertilizer. Practice to be completed in Jackson County, Belmont township section 24 and Enterprise township section 30		
<b>Category</b>	NON-STRUCTURAL MANAGEMENT PRACTICES		
<b>Start Date</b>	5-Jan-15	<b>End Date</b>	04-Mar-16
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>Elm Creek Project: Split Application of Nitrogen.</p> <p>Application of Nitrogen (82% - AA) was split between the fall of 2014 and the spring of 2015. An average of 90.56 lbs N/acre was applied in the fall and 65 lbs N/acre applied in the spring for a total application of 155.56 lbs N/acre. A total of 112.9 acres were completed, split between the two locations.</p> <p>Incentive Payment: \$1,000.00</p>		

Activity Action - MAWQCP-14-32-02 Arnold Henning			
<b>Practice</b>	590 - Nutrient Management	<b>Count of Activities</b>	1
<b>Description</b>	Split application of N (as 82-0-0) between fall 2014 (November 10, 2014) and spring 2015 (June 12, 2015).		
<b>Proposed Size / Units</b>	111.00 AC	<b>Lifespan</b>	1 Year
<b>Actual Size/Units</b>	112.90 AC	<b>Installed Date</b>	12-Jun-15
<b>Mapped Activities</b>	2 Polygon(s)		

**Grant Activity - MAWQCP-14-32-03 Doug Swanson**

<b>Description</b>	MAWQCP-14-32-03 Doug Swanson encumbered funds as incentive for cover crops in Kimball section 21 in Jackson County		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	12-Jun-15	<b>End Date</b>	05-Nov-15
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>Incentive is \$50/acre for up to 100 acres of nitrogen-scavenging cover crops.</p> <p>AMOUNT: \$5,000.00</p> <p>On 12/11/2015, the GBERBA Policy Board approved payment of \$4675.20. The landowner applied rye, radish, and turnips to 120 acres, however only requested payment for actual funds expended to supply and apply the cover corp.</p> <p>PAYMENT: \$4,675.20</p>		

<b>Activity Action - MAWQCP-14-32-03</b>			
<b>Practice</b>	340 - Cover Crop	<b>Count of Activities</b>	1
<b>Description</b>	Aerially applied 48 lbs Cereal Rye, 1 lb Purple Top Turnips, and 1 lb Tillage Radishes on 120 acres split among 3 fields, one 60 acres, one 20 acres, and one 40 acres.		
<b>Proposed Size / Units</b>	100.00 AC	<b>Lifespan</b>	1 Year
<b>Actual Size/Units</b>	120.00 AC	<b>Installed Date</b>	8-Sep-15
<b>Mapped Activities</b>	3 Polygon(s)		

<b>Final Indicator for MAWQCP-14-32-03</b>			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	22.89
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	30081, 30084, 30093		

<b>Final Indicator for MAWQCP-14-32-03</b>			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	8.02
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	30081, 30084, 30093		

<b>Final Indicator for MAWQCP-14-32-03</b>			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	33.48

<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	30081, 30084, 30093		

Grant Activity - MAWQCP-14-32-04 Bruce Swanson			
<b>Description</b>	MAWQCP-14-32-04 Bruce Swanson. Cost-share 75% up to \$5000.00 to upgrade septic system in Kimball Township, Jackson County. Cost-share for SSTS upgrade is provided due to the landowners involvement with the MAWQCP program.		
<b>Category</b>	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
<b>Start Date</b>	10-Jun-16	<b>End Date</b>	18-Nov-16
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>Encumbered \$5,000.00 based on a cost-estimate of \$12,000.00 to upgrade a non-compliant, failing septic system.</p> <p>The system was installed in October.</p> <p>Total Cost: \$10,818.00            Cost-Share: \$5,000.00            Landowner Contribution: \$5,818.00</p>		

Activity Action - MAWQCP-14-32-04 Bruce Swanson			
<b>Practice</b>	126M - Septic System Improvement	<b>Count of Activities</b>	1
<b>Description</b>	Upgrade from imminent public health threat to Type I Mound, 3 BR home with no garbage disposal		
<b>Proposed Size / Units</b>	1.00 COUNT	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	1.00 COUNT	<b>Installed Date</b>	18-Nov-16
<b>Mapped Activities</b>	1 Point(s)		

Final Indicator for MAWQCP-14-32-04 Bruce Swanson			
<b>Indicator Name</b>	NITROGEN	<b>Value</b>	19.34
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	30093		
Final Indicator for MAWQCP-14-32-04 Bruce Swanson			
<b>Indicator Name</b>	BOD 5	<b>Value</b>	541.46
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)

Waterbody	30093		
Final Indicator for MAWQCP-14-32-04 Bruce Swanson			
Indicator Name	SEDIMENT (TSS)	Value	299.09
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	30093		
Final Indicator for MAWQCP-14-32-04 Bruce Swanson			
Indicator Name	PATHOGENS (E. COLI)	Value	92343604000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	30093		
Final Indicator for MAWQCP-14-32-04 Bruce Swanson			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	13.41
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	30093		

<b>Grant Activity - MAWQCP-14-42-01 Randy Tholen</b>			
Description	MAWQCP-14-42-01 Randy Tholen Replacing an open tile intake with dense pattern tile. Project located in Lyon County, Lyons township section 24.		
Category	CONSERVATION DRAINAGE		
Start Date	20-Dec-16	End Date	21-Dec-16
Has Rates and Hours?	No		
Actual Results	Replace a 6" open tile intake with 1,640 feet of 5" perforated tile.  Final total cost: \$2,577.00 Cost-Share (75%): \$1,932.75		

Activity Action - MAWQCP-14-42-01 Randy Tholen			
Practice	170M - Alternative Tile Intake - Dense Pattern Tiling	Count of Activities	1
Description	1,640 linear feet of 5-inch perforated tile was installed and an open tile intake removed.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	21-Dec-16
Mapped Activities	1 Point(s)		

Final Indicator for MAWQCP-14-42-01 Randy Tholen			
Indicator Name	SEDIMENT (TSS)	Value	.276
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Literature Value
Waterbody	Cottonwood HUC8		
Final Indicator for MAWQCP-14-42-01 Randy Tholen			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.206
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Literature Value
Waterbody	Cottonwood HUC8		

Grant Activity - MAWQCP-14-46-01 Faber Brothers			
Description	MAWQCP-14-46-01 Faber Brothers Lake shore stabilization in Martin County, Elm Creek township section 14		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Aug-14	End Date	08-Apr-16
Has Rates and Hours?	No		
Actual Results	Elm Creek Project: Lakeshore Restoration.  Final Cost: \$36,231.25 Cost-Share: \$5,000.00 EQIP: \$23,971.02  375 feet of shoreline protection via rip-rap revetment and 0.1 acres of critical area planting were completed.		

Activity Action - MAWQCP-14-46-01 Faber Brothers			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	375 linear feet of rip rap and .1 acres of critical area planting		
Proposed Size / Units	500.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	375.00 LINEAR FEET	Installed Date	11-Jul-16
Mapped Activities	1 Line(s)		

Final Indicator for MAWQCP-14-46-01 Faber Brothers			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	40.325
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	30076		
Final Indicator for MAWQCP-14-46-01 Faber Brothers			
Indicator Name	SEDIMENT (TSS)	Value	35
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	30076		

**Grant Activity - MAWQCP-14-46-02 Faber Brothers**

Description	MAWQCP-14-46-02 Faber Brothers Streambank restoration in Martin County, Elm Creek township section 12.		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	10-Jul-14	End Date	21-Dec-16
Has Rates and Hours?	No		
Actual Results	Elm Creek Project: Streambank Restoration.  Cost-estimate: \$15,343.13 Cost-Share: \$5,000.00 EQIP estimate: \$9,600.00  Amendment 1: Extend deadline to 12/1/2016.  Amendment 2: Extend deadline to 12/8/2016  150 feet of shoreline was shaped, protected with geo-textile fabric, lined with 140 cu yd of riprap.  FINAL TOTAL COST: \$21,344.74 COST-SHARE: \$5,000.00 EQIP: \$?		

Activity Action - MAWQCP-14-46-02 Faber Brothers			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	Protected 150 linear feet of lakeshore with class II rip rap		
Proposed Size / Units	150.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	150.00 LINEAR FEET	Installed Date	21-Dec-16
Mapped Activities	1 Line(s)		

Final Indicator for MAWQCP-14-46-02 Faber Brothers			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	18.11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	30076		

Final Indicator for MAWQCP-14-46-02 Faber Brothers			
Indicator Name	SEDIMENT (TSS)	Value	15.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	30076		

Grant Activity - MAWQCP-14-46-03 Darwin Roberts			
Description	MAWQCP-14-46-03 Darwin Roberts		
Category	AGRICULTURAL PRACTICES		
Start Date	31-Jul-14	End Date	
Has Rates and Hours?	No		
Actual Results	Elm Creek Project: Cover Crops - 64.25 acres Completed - 11-21-2014		



Activity Action - MAWQCP-14-46-03 Darwin Roberts			
Practice	340 - Cover Crop	Count of Activities	64
Description			
Proposed Size / Units	64.25 AC	Lifespan	1 Year
Actual Size/Units	64.25 AC	Installed Date	21-Nov-14
Mapped Activities	1 Polygon(s)		

Final Indicator for MAWQCP-14-46-03 Darwin Roberts			
Indicator Name	SOIL (EST. SAVINGS)	Value	16.06
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	30054		

Final Indicator for MAWQCP-14-46-03 Darwin Roberts			
Indicator Name	SEDIMENT (TSS)	Value	5.37
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	30054		

Final Indicator for MAWQCP-14-46-03 Darwin Roberts			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	8.7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	30054		

Grant Activity - MAWQCP-14-46-04 Darwin Roberts			
Description	MAWQCP-14-46-04 Darwin Roberts CANCELLED 6/12/2015		
Category	CONSERVATION DRAINAGE		
Start Date	31-Jul-14	End Date	
Has Rates and Hours?	No		
Actual Results	Elm Creek Project: Alternative intakes.  6/12/2015. Project cancelled by GBERBA Executive Committee		

**Grant Activity - MAWQCP-14-46-05 Thomas Maday**

Description	MAWQCP-14-46-05 Thomas Maday  Streambank protection in Martin County, Center Creek Township Section 1.		
Category	AGRICULTURAL PRACTICES		
Start Date	12-Sep-14	End Date	21-Dec-16
Has Rates and Hours?	No		
Actual Results	<p>January - December 2014</p> <p>Funds were encumbered to: Streambank Protection, Critical Area Planting and Mulching.</p> <p>Estimated cost: \$11,115.00                      Cost-Share: \$5,000.00                      EQIP estimate: \$?</p> <p>January - December 2015</p> <p>No activity</p> <p>January - December 2016</p> <p>An amendment to extend the install-by date to 12/1/2016 has been approved.</p> <p>Due to sustained high water levels in Elm Creek, this project has been delayed to the point where the grant deadline is approaching. The project will is cancelled due to inability to complete the construction.</p>		

**Grant Activity - MAWQCP-14-46-06 Thomas Maday**

<b>Description</b>	MAWQCP-14-46-06 Thomas Maday		
	Mitigating streambank erosion by addressing issues above the streambank according to Elm Creek Incentive Policy.		
	Martin County, Center Creek Township Section 1 (NW)		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	12-Sep-14	<b>End Date</b>	16-Jul-15
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>Elm Creek Project: Streambank Protection via grade stabilization</p> <ul style="list-style-type: none"> <li>-212 linear feet curved embankment, 864 cu yd of fill</li> <li>-48" riser pipe</li> <li>-50' of 36" CMP horizontal pipe</li> <li>-3 tile re-routes</li> <li>-Rip rap for outlet basin</li> </ul> <p>Total Final Project Cost- \$36,396.00                      EQIP Contribution- \$                      MAWQCP Contribution- \$5,000.00                      Landowner Contribution- \$</p>		

Activity Action - MAWQCP-14-46-06			
<b>Practice</b>	410 - Grade Stabilization Structure	<b>Count of Activities</b>	1
<b>Description</b>	212 linear feet of curved embankment.		
<b>Proposed Size / Units</b>	1.00 COUNT	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	1.00 COUNT	<b>Installed Date</b>	16-Jul-15
<b>Mapped Activities</b>	1 Point(s)		

**Grant Activity - MAWQCP-14-46-07 Thomas Maday**

Description	MAWQCP-14-46-07 Thomas Maday Streambank protection in Martin County, Center Creek Township section 29.		
Category	AGRICULTURAL PRACTICES		
Start Date	12-Sep-14	End Date	21-Dec-16
Has Rates and Hours?	No		
Actual Results	<p>Elm Creek Project: Streambank Protection, Critical Area Planting and Mulching</p> <p>January - December 2014</p> <p>Encumbered funds to complete streambank protection, critical area planting, and mulching.</p> <p>Estimated project cost: \$14,990.00                      Cost-Share: \$5,000.00                      EQIP Estimate: \$?</p> <p>January - December 2015</p> <p>No activity</p> <p>January - December 2016</p> <p>An amendment to extend the install-by date to 12/1/2016 has been approved.</p> <p>Due to sustained high water levels in Elm Creek, this project has been delayed to the point where the grant deadline is approaching. The project will is cancelled due to inability to complete the construction.</p>		

Grant Activity - MAWQCP-14-46-08 Thomas Maday			
Description	MAWQCP-14-46-08 Thomas Maday		
	CANCELLED		
Category	AGRICULTURAL PRACTICES		
Start Date	12-Sep-14	End Date	11-Sep-15
Has Rates and Hours?	No		
Actual Results	<p>Elm Creek Project: Streambank Protection, Critical Area Planting and Mulching</p> <p>AMOUNT: \$5,000.00</p> <p>Project cancelled by the GBERBA Policy Board on 9/11/2015</p>		

Grant Activity - MAWQCP-14-46-09 Thomas Maday			
Description	MAWQCP-14-46-09 Thomas Maday		
	CANCELLED		
Category	AGRICULTURAL PRACTICES		
Start Date	21-Aug-14	End Date	11-Sep-15
Has Rates and Hours?	No		
Actual Results	<p>Elm Creek Project: Stream barbs</p> <p>AMOUNT: \$5,000.00</p> <p>Project cancelled by the GBERBA Policy Board on 9/11/2015</p>		

Grant Activity - MAWQCP-14-46-10 4-M Farms			
Description	MAWQCP-14-46-10 4-M Farms encumbered funds as incentive to CRP; \$50/acre/year for 15 years.		
Category	AGRICULTURAL PRACTICES		
Start Date	13-Feb-15	End Date	18-Nov-16
Has Rates and Hours?	No		
Actual Results	<p>Elm Creek Project: CRP Incentive. A total of \$11,325.00 was encumbered as a CRP incentive for 15.1 acres of CRP for 15 years split between Rutland section 5 and Wesford section 32 in Martin County.</p> <p>The actual acres came out to be 14.42. Thus, a final incentive payment of \$10,890.00 was approved.</p>		

Activity Action - MAWQCP-14-46-10 4-M Farms			
Practice	393 - Filter Strip	Count of Activities	1
Description	14.52 acres of filter strip enrolled in CRP		
Proposed Size / Units	15.10 AC	Lifespan	15 Years
Actual Size/Units	14.52 AC	Installed Date	18-Nov-16
Mapped Activities	1 Polygon(s)		

Final Indicator for MAWQCP-14-46-10 4-M Farms			
Indicator Name	SOIL (EST. SAVINGS)	Value	24.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	30069		

Final Indicator for MAWQCP-14-46-10 4-M Farms			
Indicator Name	SEDIMENT (TSS)	Value	14.07
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	30069		

Final Indicator for MAWQCP-14-46-10 4-M Farms			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	18.98
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	30069		

**Grant Activity - MAWQCP-14-46-11 Darwin Roberts**

<b>Description</b>	MAWQCP-14-46-11 Darwin Roberts encumbered incentive dollars to install cover crops in Nashville section 32 and Center Creek section 5 in Martin County.		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	8-May-15	<b>End Date</b>	05-Sep-15
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>Encumbered incentive dollars to aerially apply cover crops to 90 acres split between Nashville and Center Creek townships in Martin county.</p> <p>AMOUNT: \$4500.00</p> <p>Actual application was to 100 acres. An amendment was approved by GBERBA to increase incentive payment to \$5000.00.</p> <p>A four-way mix was applied to 100 acres: 47 lbs Cereal Rye, 1 lb of Tillage radish, 1 lb of Purple top turnips, and 1 lb of Dwarf Essex rape.</p> <p>AMOUNT: \$5,000.00</p>		

Grant Activity - MAWQCP-14-46-12 Darwin Roberts			
Description	MAWQCP-14-46-12 Darwin Roberts funds encumbered to install a structure for water control in Nashville section 6 and 10 in Martin County		
Category	CONSERVATION DRAINAGE		
Start Date	12-Jun-15	End Date	
Has Rates and Hours?	No		
Actual Results	<p>Contract is to install a structure for water control and grade stabilization structure.</p> <p>AMOUNT: \$2,000.00</p> <p>An amendment to the contract was approved by GBERBA Executive on 12/11/2015 to extend the install-by date to 12-31-2016.</p>		

Grant Activity - MAWQCP-14-Agreement - Area 5 & 6 Certification Specialists			
Description	MAWQCP-14-Agreement - Area 5 & 6 Certification Specialists		
Category	AGRICULTURAL PRACTICES		
Start Date	9-Sep-16	End Date	20-Oct-16
Has Rates and Hours?	No		
Actual Results	<p>The Area 5 and 6 Certification Specialists (with approval from MDA) purchased Alternative Tile Intakes (151 intakes 4, 6 and 8 inch) and Sediment Log (9 inches by 25 feet).</p> <p>The Intakes were approved to distribute to landowners working toward certification.</p> <p>This project will have no pollution reductions due to the multitude of landowners participating,</p>		



## Grant Activity - MAWQCP-14-Agreement - Rural Advantage

Description	MAWQCP-14-Agreement - Rural Advantage		
Category	AGRICULTURAL PRACTICES		
Start Date	8-Jan-15	End Date	09-Jan-15
Has Rates and Hours?	No		
Actual Results	Purchased Water Quality Inlets to deliver directly to landowners by staff. Count - 28		

## Grant Attachments

Document Name	Document Type	Description
2014 MAWQCP Incentives	Grant Agreement	2014 MAWQCP Incentive Grants - Greater Blue Earth River Basin Alliance
2014 MAWQCP Incentives executed	Grant Agreement	2014 MAWQCP Incentive Grants - Greater Blue Earth River Basin Alliance
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/04/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/30/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/04/2017
Amendment	Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alliance)
Disbursement Journal - December 31 - 2016	Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alliance)
Disbursement Journal - Elm Creek Incentives - Updated 3-31-15	Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alliance)
Disbursement Journal - January - December - 2015	Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alliance)
Elm Creek - Disbursement Journal - Projects - 12-31-14	Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alliance)
Final Financial Report - 12-30-16	Grant	2014 - MAWQCP Incentive (Greater Blue Earth River Basin Alliance)