



# Grant All-Detail Report

## Accelerated Implementation Grant 2016

**Grant Title** - Targeting Implementation in the Blue Earth & Le Sueur Watersheds

**Grant ID** - C16-7253

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

<b>Original Awarded Amount</b>	<b>\$212,000.00</b>	<b>Grant Execution Date</b>	<b>3/3/2016</b>
<b>Required Match Amount</b>	\$53,000.00	<b>Original Grant End Date</b>	12/31/2018
<b>Required Match %</b>	25%	<b>Grant Day To Day Contact</b>	Kay Gross
<b>Current Awarded Amount</b>	\$212,000.00	<b>Current End Date</b>	12/31/2018

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$212,000.00	\$212,000.00	\$0.00
Total Match Amount	\$56,500.00	\$128,726.15	\$-72,226.15
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$268,500.00</b>	<b>\$340,726.15</b>	<b>\$-72,226.15</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
1. Develop Hydrologically Modified DEM	Inventory/Mapping	Current State Grant	Targeting Implementation in the Blue Earth & Le Sueur Waters..	\$129,000.00	\$135,240.00	10/12/2018	N
1. Develop Hydrologically Modified DEM	Inventory/Mapping	Local Fund	Co. Match - 3 Co. Pictometry Flight	\$55,000.00	\$118,853.17	6/30/2018	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2. Develop Hydrology & Water Quality GIS Datasets	Inventory/Mapping	Current State Grant	Targeting Implementation in the Blue Earth & Le Sueur Waters..	\$20,000.00	\$19,000.00	12/19/2018	N
3. Target Sources & BMP Suitability Analysis	Planning and Assessment	Current State Grant	Targeting Implementation in the Blue Earth & Le Sueur Waters..	\$23,000.00	\$21,500.00	12/19/2018	N
4. Measure BMP Effectiveness & ACPF Toolset	Planning and Assessment	Current State Grant	Targeting Implementation in the Blue Earth & Le Sueur Waters..	\$25,500.00	\$20,500.00	12/19/2018	N
5. Final Report & Training	Planning and Assessment	Current State Grant	Targeting Implementation in the Blue Earth & Le Sueur Waters..	\$14,500.00	\$15,760.00	12/19/2018	N
6. Admin	Administration /Coordination	Current State Grant	Targeting Implementation in the Blue Earth & Le Sueur Waters..	\$0.00			N
6. Admin	Administration /Coordination	Local Fund	Admin & Coordination	\$1,500.00	\$9,872.98	12/31/2018	Y

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
306M - LIDAR Derived Product(s)	13		1488000 AC	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
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## Grant Activity

### Grant Activity - 1. Develop Hydrologically Modified DEM

## Description

Contractor will develop a hydro modified DEM in the Blue Earth and Le Sueur Watersheds. This activity includes: 1) Digitization of subsurface drainage features (culverts, bridges) as determined by available GIS data to be used as breach lines on 1281 sq mi. Data will be attributed documenting the decision for the breach line and type. Local opinion and/or field verification will be incorporated. This may involve both GIS and field work verifying data for accuracy. Based on previous work there is an estimated 15-20 breach lines/sq mi. 2) Define non-contributing areas for development of BMP targeting tools on 1715 sq mi. 3) Utilize modified DEM to develop hydrographic characteristics at a field scale. 4) Incorporate existing breach lines on 1044 sq mi. Close to half of these will run through one pass of quality control checks by the contractor. All will utilize local opinion and/or field verification if that has not been completed. All datasets will be provided in an ESRI geodatabase format utilizing draft state developed standards and terminology.



Start Date

8-Mar-16

End Date

31-Dec-18

Has Rates and Hours?  
Actual Results

No

MARCH - DECEMBER 2016

An RFQ document was developed and 2 bids were received. A contract with Widseth, Smith, & Nolting (WSN, "Contractor") out of Alexandria, MN was adopted to complete the work.

About 10% of breachlines in both BE and LeS watersheds have been identified. A more thorough progress report will be attached.

GRANT EXPENDITURES: \$9,720.00.

IN-KIND CONTRIBUTIONS:

Pictometry = (\$21,858.75-Faribault Co.; \$16,879.47-Martin Co.; \$16,813.97-Blue Earth Co.)

TOTAL: \$55,552.19

JANUARY - DECEMBER 2017

An amendment to the work plan was approved by BWSR. The total for this category was reduced from \$163,500 to \$129,000.00. And amendment to the contract with Contractor was also approved by GBERBA to extend the expiration date to December 2018.

GRANT EXPENDITURES: \$103,590.00

The Contractor is approximately 87% complete with the Activity.

IN-KIND CONTRIBUTIONS:

Pictometry: (\$20,846.75-Faribault Co.; \$21,607.48-Blue Earth Co.)

TOTAL: \$42,454.23

JANUARY - DECEMBER 2018

All work in activity description was 100% completed in 2018 including digitizing breachlines throughout the BE and Le Sueur Watersheds and developing a hydro modified DEM.

GRANT EXPENDITURES: \$21,930.00

TOTAL: \$135,240.00

IN-KIND CONTRIBUTIONS:

Pictometry: Faribault County - \$20,846.75

TOTAL: \$20,846.75

Activity Action - 1. Develop Hydrologically Modified DEM			
Practice	306M - LIDAR Derived Product(s)	Count of Activities	4
Description	1. Digitize breach lines, 2. Define non-contributing areas, 3. Develop hydrographic characteristics, 4. QC breach lines.		
Proposed Size / Units	1,488,000.00 AC	Lifespan	In Perpetuity
Actual Size/Units	AC	Installed Date	
Mapped Activities	No		

Grant Activity - 2. Develop Hydrology & Water Quality GIS Datasets			
Description	Contractor will utilize deliverables from Activity 1 and generate additional hydrology and water quality data products on 2325 sq mi that include: time of concentration raster, SPI, RUSLE, CTI, field scale catchment ranking, overland flow path ranking, TP & TN loading, and ranked catchments. These datasets are necessary to run PTMApp. All datasets will be provided in an ESRI geodatabase format.		
Category	INVENTORY/MAPPING		
Start Date	8-Mar-16	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	<p>MARCH - DECEMBER 2016</p> <p>No activity has been completed to date. Work on this activity won't begin until the DEM conditioning is nearly completed; expected in 2017.</p> <p>JANUARY - DECEMBER 2017</p> <p>No activity has been completed to date. Work on this activity won't begin until the DEM conditioning is completed. They DEM conditioning is approximately 87% complete.</p> <p>An amendment was approved by BWSR to decrease the budgeted amount from \$25,000 to \$20,000 in this Activity</p> <p>JANUARY - DECEMBER 2018</p> <p>This activity was 100% completed in 2018 including generating all necessary datasets to run PTMApp and ACPF. These datasets will be distributed to all counties in the Blue Earth and Le Sueur Watersheds.</p> <p>GRANT EXPENDITURE: \$19,000.00</p>		



Activity Action - 2. Develop Hydrology & Water Quality GIS Datasets			
Practice	306M - LIDAR Derived Product(s)	Count of Activities	9
Description	Time of concentration raster, SPI, RUSLE, CTI, field scale catchment ranking, overland flow path ranking, TP, TN loading, ranked catchments.		
Proposed Size / Units	1,488,000.00 AC	Lifespan	In Perpetuity
Actual Size/Units	AC	Installed Date	
Mapped Activities	No		

Grant Activity - 3. Target Sources & BMP Suitability Analysis			
Description	With support from contractor, TSA GIS Tech will conduct an analysis utilizing PTMApp that identifies where different types of BMPs and conservation practices could be placed on the landscape at field scales. Data will be created on 2325 sq mi and deliverables include GIS data sets with locations where storage, filtration, bio-filtration, infiltration, protection, and source reduction BMPs could be placed on the landscape.		
Category	PLANNING AND ASSESSMENT		
Start Date	8-Mar-16	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	<p>MARCH - DECEMBER 2016</p> <p>No activity has been completed to date. Work on this activity won't begin until the DEM conditioning is nearly completed; expected in 2017.</p> <p>JANUARY - DECEMBER 2017</p> <p>Work Plan revision eliminated GIS Tech as responsible party to complete Activity #3. This will be completed by the contractor. The budgeted amount has been increased from \$3,000 to \$23,000.</p> <p>No other work has been completed on this Activity to date.</p> <p>JANUARY - DECEMBER 2018</p> <p>This activity was 100% completed in 2018 including running PTMApp to identify where BMPs could be placed on the landscape. Counties contributed information by identifying where pour points should be located. All data sets will be distributed to all counties in the Blue Earth and Le Sueur Watersheds.</p> <p>GRANT EXPENDITURE: \$21,500.00</p>		

**Grant Activity - 4. Measure BMP Effectiveness & ACPF Toolset**

<p><b>Description</b></p>	<p>TSA GIS Tech will conduct an analysis utilizing PTMApp to measure the TN, TP, and sediment load reductions provided by the BMPs identified in Activity 3. Next the treatment costs will be estimated based on the measured load reductions and the cost of the practice. ACPF toolset will also be run to identify candidate locations for different types of BMPs within or below fields. Upgrades in software are necessary for this toolset. The geographic extent of this analysis will be performed on 1 HUC12 subwatershed per county. The tools can be utilized as part of a collaborative planning effort including local technical staff and landowners with knowledge of the watershed. Data created will provide the basis for developing targeted implementation strategies within a priority subwatershed and using this data to work with landowners on implementation.</p>		
<p><b>Category</b></p>	<p>PLANNING AND ASSESSMENT</p>		
<p><b>Start Date</b></p>	<p>8-Mar-16</p>	<p><b>End Date</b></p>	<p>31-Dec-18</p>
<p><b>Has Rates and Hours?</b></p>	<p>No</p>		
<p><b>Actual Results</b></p>	<p>MARCH - DECEMBER 2016                  No activity has been completed to date. Work on this activity won't begin until the DEM conditioning is nearly completed; expected in 2017.</p> <p>JANUARY - DECEMBER 2017                  Work Plan revision eliminated GIS Tech as responsible party to complete Activity #4. This will be completed by the contractor. An amendment was approved by BWSR to increase the budgeted amount from \$6,000 to \$25,500. No other work has been completed on this Activity to date.</p> <p>JANUARY - DECEMBER 2018                  This activity was 100% completed in 2018 including running ACPF in priority HUC 12 watersheds. Counties contributed information by identifying priority and secondary HUC 12's in each county. All data sets will be distributed to all counties in the Blue Earth and Le Sueur Watersheds.                  GRANT EXPENDITURE: \$20,500.00</p>		

## Grant Activity - 5. Final Report & Training

Description	<p>Upon completion of Activity 1 &amp; 2, contractor will create a report that documents methodology, data content documentation, and metadata of deliverables. Contractor will provide training to local LGUs and TSA GIS Tech to introduce them to the data and PTMApp. Contractor will provide additional training and support as needed. TSA GIS Tech will ensure all datasets are available to LGUs and will provide local technical assistance in understanding and utilizing data at the local level.</p>		
Category	PLANNING AND ASSESSMENT		
Start Date	8-Mar-16	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	<p>MARCH - DECEMBER 2016 No activity. Work is on schedule.</p> <p>JANUARY - DECEMBER 2017 No activity. The project is on schedule to be completed in 2018</p> <p>JANUARY - DECEMBER 2018 This activity was 100% completed in 2018 including hosting 2 on site and 1 web training session. 1 training session was held on the project and data deliverables. A second follow up workshop focused on ACPF and PTM App. A web training also occurred before the workshops re-familiarizing staff about the project and upcoming workshops. The contractor provided all deliverables on an external hard drive and a final report. GRANT EXPENDITURE: \$15,760.00</p>		



**Description**

GBERBA will serve as fiscal agent. Faribault SWCD will act as lead for creation of a GIS subcommittee, workplan creation, annual reporting, seeking and reviewing best value quotes, direct contact with contractor, and coordination across county lines.

<b>Category</b>	ADMINISTRATION/COORDINATION		
<b>Start Date</b>	8-Mar-16	<b>End Date</b>	31-Dec-18
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>MARCH - DECEMBER 2016.</p> <p>GBERBA Coordinators and Faribault SWCD staff have contributed time developing the RFQ documents and soliciting/vetting contractors.</p> <p>IN-KIND CONTRIBUTIONS:  Faribault SWCD: \$1,795.52  GBERBA : \$1,815.00  TOTAL: \$3,610.52</p> <p>JANUARY - DECEMBER 2017</p> <p>The GBERBA Coordinators and Faribault SWCD continue to monitor progress on the culvert inventory and report progress to the GBERBA Technical Committee and Policy Board.</p> <p>IN-KIND CONTRIBUTIONS:  GBERBA: 31.5 hours @ 30.00/hr = \$945.00  Faribault SWCD: (July 2016-December 2017)  \$2,189.95  TOTAL = \$3,134.95</p> <p>JANUARY – DECEMBER 2018</p> <p>The GBERBA Coordinators and Faribault SWCD continue to monitor progress on the culvert inventory and report progress to the GBERBA Technical Committee and Policy Board.</p> <p>IN-KIND CONTRIBUTIONS: (GBERBA through October)  GBERBA: Admin and Tech Coordinators: 5.75 hours @ \$35.00 = \$201.25  Financial Coordinator: 3.5 hours @ \$30.00 = \$105.00  Faribault SWCD: \$2,821.26  TOTAL: \$3,127.51</p>		

## Grant Attachments

Document Name	Document Type	Description
<b>2016 - 2018 - In-Kind - Staff Time - Faribault</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>2016 - Annual Progress Report</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>2016 - In-Kind - Pictometry</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>2016 - Invoices and Check Stub</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>2016 - Payment WSN - 11-18-2016 - Top Removed - Duplicate Copy from Vendor</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>2016 Competitive Grant</b>	Grant Agreement	2016 Competitive Grant - Greater Blue Earth River Basin Alliance
<b>2016 Competitive Grant executed</b>	Grant Agreement	2016 Competitive Grant - Greater Blue Earth River Basin Alliance
<b>2017 - In-Kind - Pictometry</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>2017 - Invoices and Check Stub</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>2018 - In-Kind - Pictometry</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>2018 - Invoices and Check Stub</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>AIG Proposal Map</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/09/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/16/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 12/27/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/02/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 12/31/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 12/27/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/16/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/09/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/02/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 12/27/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 12/21/2017
<b>Application</b>	Workflow Generated	Workflow Generated - Application - 08/28/2015
<b>BWSR - Final Financial Report - 12-18-19</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>Blue Earth &amp; Le Sueur Impaired Waters Map</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>Blue Earth and Le Sueur Watershed area for culvert inventory</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>C16-7253 Reconciliation B Checklist</b>	Journal	Journal Dated - 12/27/2018

Document Name	Document Type	Description
<b>Final Billing from WSN</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>Financial Report - 40% Request</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>GBERBA - December - Financial Statement - Showing Final Payment - WSN - #3670</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>Match Expenditure Email</b>	Journal	Journal Dated - 07/21/2016
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 12/16/2015
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 02/19/2016
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 12/05/2017
<b>Work Plan Revision</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds
<b>grantmap_14428_2015-08-25_10-16-48-AM.jpg</b>	Grant	Targeting Implementation in the Blue Earth & Le Sueur Watersheds