

**FY2016-17 Biennial Budget Request
Worksheet**

Organization Identification	
Organization Name	Greater Blue Earth River Basin Alliance
Organization Type	Joint Powers Board
Staff Contact	Kay Clark
Email Address	kay.clark@windomnet.com
Date	April 21, 2014

NRBG Program Grant Summary		
Grant Source	Estimated Amount Available	Estimated Amount Budgeted
NRBG Feedlot		
NRBG Shoreland		
NRBG SSTS		
NRBG Water plan		
NRBG WCA		

Water Resource Information						Projects and Activities		
Row #	Name of Primary Water Resource of Concern (if applicable)	Water Resource Category	Conventional Water Quality Impairments (Y/N)	Water Quality Trend	Watershed: 8-Digit HUC Name	Activity Categories	Capital Improvement Project?	Narrative Activity Description: including water quality concerns/risk factors/ opportunities
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
1	Blue Earth River Watershed	Surface Water	Yes	Stable	Blue Earth River	Ag Practices: Gully & Ravine--	No	Sediment reduction through flow reduction and the stabilization of gullies and ravines. Priority sites would be targeted through Stream Power Index and LiDAR. Projects would include Drainage and Surface Water Mgmt (including stormwater) and the installation of BMPs either structural or ecological. Because these projects and structures are our highest priorities and a priority throughout the watershed we are requesting ninety percent cost-share to secure the projects.
2	Le Sueur River Watershed	Surface Water	Yes	Stable	Le Sueur River	Ag Practices: Gully & Ravine--	No	Sediment reduction through flow reduction and the stabilization of gullies and ravines. Priority sites would be targeted through Stream Power Index and LiDAR. Projects would include Drainage and Surface Water Mgmt (including stormwater) and the installation of BMPs either structural or ecological. Because these projects and structures are our highest priorities and a priority throughout the watershed we are requesting ninety percent cost-share to secure the projects.

SWCD Program Grant Summary		
Grant Source	Estimated Amount Available	Estimated Amount Budgeted
Conservation Delivery		
State Cost-Share		
RIM Easement Delivery		

TSA Program Grant Summary		
Grant Source	Estimated Amount Available	Estimated Amount Budgeted
FY 16-17 NPEAP		

Row #	Outputs		Describe how these activities could be accomplished in the FY 2016-17 biennium	Plan Connection		Budget				OPTIONAL INFO
	Estimated Number of BMPS	Estimated Number of FTEs		Plan Type	Plan Priority Connection (Identify Action Item or Objective from eligible plan)	Source of State Contribution	State Fund Contribution for FY 16-17 Biennium (estimated)	Leveraged Funds (estimated)	Projects & Activities Budget (estimated total)	
(A)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	
1	8.0		Working on a watershed basis all GBERBA member Counties and SWCDs in the Blue Earth River Watershed will have the opportunity to work through their listing of priority practice sites making landowner contacts and request funding through the GBERBA Policy Board and Technical Committee. Again each County/SWCD will be working off their list of priorities as set by the Stream Power Index/LiDAR - targeting high priority sites.	TMDL/County	Lower MN DO TMDL - Under current land use practices, approximately 1,240 pounds per day of phosphorus is projected to be generated in the Basin during critical low flow conditions. The TMDL Report reduced the amount to 752 pounds per day during low flow conditions by implementing conservation practices. Blue Earth County Water Mgmt Plan - Pg 139 Water Mgmt Plan Goal - Reduce and prevent pollution from agricultural land by establishing conservation practices that minimize runoff, soil erosion and sedimentation and other pollutants. Objectives 1 - 5.	BWSR Clean Water Fund	\$1,170,000	\$325,000	\$1,495,000	
2	8.0		Working on a watershed basis all GBERBA member Counties and SWCDs in the Blue Earth River Watershed will have the opportunity to work through their listing of priority practice sites making landowner contacts and request funding through the GBERBA Policy Board and Technical Committee. Again each County/SWCD will be working off their list of priorities as set by the Stream Power Index/LiDAR - targeting high priority sites.	TMDL/County	Lower MN DO TMDL - Under current land use practices, approximately 1,240 pounds per day of phosphorus is projected to be generated in the Basin during critical low flow conditions. The TMDL Report reduced the amount to 752 pounds per day during low flow conditions by implementing conservation practices. Waseca County Water Mgmt Plan - Pg 39 Goal 1 - Protect and improve the quality of water resources throughout the county. Objective 4 - Reduce erosion and sediment loading of surface water resources.	BWSR Clean Water Fund	\$1,170,000	\$325,000	\$1,495,000	

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3	Watowan River Watershed	Surface Water	Yes	Stable	Watowan River	Ag Practices: Gully & Ravine--	No	Sediment reduction through flow reduction and the stabilization of gullies and ravines. Priority sites would be targeted through Stream Power Index and LIDAR. Projects would include Drainage and Surface Water Mgmt (including stormwater) and the installation of BMPs either structural or ecological. Because these projects and structures are our highest priorities and a priority throughout the watershed we are requesting ninety percent cost-share to secure the projects.
4	Greater Blue Earth River Basin	Surface Water	Yes	Stable	Organization Wide	Ag Practices: Sheet & Rill--	No	Nutrient and sediment reduction through flow reduction. Priority sites would be targeted through Stream Power Index, LIDAR and the erodibility classification on sensitive soils. Projects would include the installation of ecological BMPs, above the nick-points of structural BMP cost-share projects.

Conservation Delivery		
State Cost-Share		
RIM Easement Delivery		

FY 16-17 NPEAP		
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(A)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	
3	8.0		Working on a watershed basis all GBERBA member Counties and SWCDs in the Blue Earth River Watershed will have the opportunity to work through their listing of priority practice sites making landowner contacts and request funding through the GBERBA Policy Board and Technical Committee. Again each County/SWCD will be working off their list of priorities as set by the Stream Power Index/LIDAR - targeting high priority sites.	TMDL/County	Lower MN DO TMDL - Under current land use practices, approximately 1,240 pounds per day of phosphorus is projected to be generated in the Basin during critical low flow conditions. The TMDL Report reduced the amount to 752 pounds per day during low flow conditions by implementing conservation practices. Cottonwood County Water Plan - Pg 23 Priority Concern 1 - Improve Surface Water Quality - Obj 1.a - Protect soil from erosion and prevent agricultural runoff. Action 1.a-23 (Watonwan Watershed) Promote and seek funding to reduce erosion by installing eligible streambank and lakeshore stabilization projects.	BWSR Clean Water Fund	\$468,000	\$130,000	\$598,000	
4	28.0		Working on the Greater Blue Earth River Watershed all GBERBA member Counties and SWCDs will have the opportunity to work through their listing of priority practice sites making landowner contacts and request funding through the GBERBA Policy Board and Technical Committee. Again each County/SWCD will be working off their list of priorities as set by the Stream Power Index/LIDAR and erodibility classification on sensitive soils - targeting high priority sites.	TMDL/County	Lower MN DO TMDL - Under current land use practices, approximately 1,240 pounds per day of phosphorus is projected to be generated in the Basin during critical low flow conditions. The TMDL Report reduced the amount to 752 pounds per day during low flow conditions by implementing conservation practices. Martin County CLWMP - Pg 13 - Priority Concern - Impaired Waters and TMDLs - Goal 1 - To improve the quality of TMDL listed waters in Martin County to a level that allows them to be delisted. Obj. 3 - To identify areas that could be used as temporary water storage areas to slow down the surface water as it moves off the landscape.	BWSR Clean Water Fund	\$507,000	\$50,000	\$557,000	

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5	Greater Blue Earth River Basin	Both Surface & Groundwater	Yes	Stable	Organization Wide	Conservation Drainage--	No	Agricultural drainage systems in Minnesota are old and overloaded. As these aging systems are updated or replaced, there is a window of opportunity to incorporate new designs and practices that protect water quality and improve the capacity of the drainage system to manage floodwaters caused by snowmelt and heavy rains. Some of the conservation drainage approaches being researched and demonstrated in Minnesota include controlled drainage, shallow drainage, woodchip bioreactors, saturated buffers, rock inlets, alternative ditch design and various kinds of storage basins. Several of these approaches can be readily adapted, singly or in combination, to existing drainage systems.
6	Blue Earth River Watershed	Both Surface & Groundwater	Yes	Stable	Blue Earth River	Project Development-	No	Field assistance and education for landowners and partners in the watershed. Provide landowners with guidance on projects and programs to help improve water quality. Provide technical support such as assisting in design, surveying, staking and construction inspections of BMPs to the SWCDs in the watershed.

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5	30.0		Interest in conservation drainage by local landowners throughout the Greater Blue Earth River Watershed is on the rise; but at this time the Conservation Drainage funding category has been removed from the Clean Water Legacy as a stand alone category. These practices now are being lumped with all other structural practices and are receiving little funding. The ability to offer assistance for these types of projects is crucial in the move toward water retention in the watershed.	TMDL/County	All of the Local Water Management Plans of GBERBA member Counties refer to nutrient reduction to surface waters in their respective plans, many citing similar agricultural BMPs to reduce nutrient pollution to surface waters. Cottonwood County CLWMP Pg 26 Priority Concern 1. Improve Surface Water Quality - Goal 1 Prevent further degradation of stream and lake water quality in Cottonwood County. Objective 1.b Address Impacts of Drainage Management. Objective 1.b-3. Promote conservation drainage practices in Cottonwood County. Seek incentive funds and cost-share to assist producers with the installation of conservation drainage practices, these practices include alternative tile intakes, structures to control drainage and bioreactors. High priority areas would include impaired water bodies and reaches of impaired water bodies.	BWSR Clean Water Fund	\$351,000	\$120,000	\$471,000	
6		1.00	This position will be on the same track as other positions for GBERBA with oversight by GBERBA and the Host County/SWCD.	TMDL/County	Lower MN River DO TMDL: Description of management measures to achieve load reductions. 3.2 Agriculture (pp.17-20) The TMDL Report did include agricultural practices as a way to reduce runoff during higher flow times, thereby increasing the amount of ground water recharged during dry periods. Implementation Targets: Crop Residue, Surface Tile Intakes, Manure Applications, Phosphorus Crediting, Native Grasses or Wetlands. Table 7(p.19): Examples of other practices to increase infiltration and reduce phosphorus. Faribault Co Water Plan Pg 25: Priority Concern 4 Erosion Concerns Goal 1: Reduce and minimize the effects of soil erosion and sedimentation. Goal 2: Reduce bank erosion to protect the quality of our water resources.	BWSR Clean Water Fund	\$141,925	\$74,541	\$216,466	

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7	Le Sueur River Watershed	Both Surface & Groundwater	Yes	Stable	Le Sueur River	Project Development-	No	Field assistance and education for landowners and partners in the watershed. Provide landowners with guidance on projects and programs to help improve water quality. Provide technical support such as assisting in design, surveying, staking and construction inspections of BMPs to the SWCDs in the watershed.
8	Watowan River Watershed	Both Surface & Groundwater	Yes	Stable	Watowan River	Project Development-	No	Field assistance and education for landowners and partners in the watershed. Provide landowners with guidance on projects and programs to help improve water quality. Provide technical support such as assisting in design, surveying, staking and construction inspections of BMPs to the SWCDs in the watershed.

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7		1.00	Because this is an ongoing position, administration and oversight has created a checks and balance of workload and reporting. Time management and accounting are worked through by GBERBA and the Host Site. Accomplishments are well documented and reported by staff to the GBERBA Policy and Technical Committee.	TMDL/County	Lower MN DO TMDL - Under current land use practices, approximately 1,240 pounds per day of phosphorus is projected to be generated in the Basin during critical low flow conditions. The TMDL Report reduced the amount to 752 pounds per day during low flow conditions by implementing conservation practices. Waseca County Water Mgmt Plan - Pg 39 Goal 1 - Protect and improve the quality of water resources throughout the county. Objective 4 - Reduce erosion and sediment loading of surface water resources.	BWSR Clean Water Fund	\$130,050	\$32,950	\$163,000	
8		1.00	Because this is an ongoing position administration and oversight has created a checks and balance of workload and reporting. Time management and accounting are worked through by GBERBA and the Host Site. Accomplishments are well documented and reported by staff to the GBERBA Policy and Technical Committee.	TMDL/County	Lower MN River DO TMDL: Description of management measures to achieve load reductions. 3.2 Agriculture (pp.17-20) The TMDL Report did include agricultural practices as a way to reduce runoff during higher flow times, thereby increasing the amount of ground water recharged during dry periods. Implementation Targets: Crop Residue, Surface Tile Intakes, Manure Applications, Phosphorus Crediting, Native Grasses or Wetlands. Table 7(p.19): Examples of other practice to increase infiltration and reduce phosphorus. Cottonwood Co Water Plan: Priority Concern 1 - Improve Surface Water Quality Obj. 1.d Address TMDL Impaired Waters. Action 1.d.9 (Watsonwan/Blue Earth WatershedS) - Work with the TMDL Implementation Plan for the watershed and hiring technical staff to promote conservation efforts in the watershed.	BWSR Clean Water Fund	\$154,796	\$89,541	\$244,337	

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9	Greater Blue Earth River Basin	Both Surface & Groundwater	Yes	Stable	Organization Wide	Education & Information-	No	This position would provide education programming focused toward third crop rotations, cover crops, sustainable agriculture, perennial bioenergy crops, soil health, crop nutrients, crop rotations, carbon sequestration and practices that provide ecological uplift.
10	Greater Blue Earth River Basin	Both Surface & Groundwater	Yes	Stable	Organization Wide	Ag Practices: Sheet & Rill--	No	Erosion control and vegetation management. Emphasis will be on cover crop implementation and work in conjunction with the MN Extension Service contract employee.
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State Cost-Share		
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Outputs			Plan Connection		Budget				OPTIONAL INFO		
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9		1.00	This position will focus on Cover Crops in the Greater Blue Earth River Basin. On-Farm Demonstration Trials and Community Outreach and Education will be the focus. Position will be a contracted position through the University of MN Extension Service.	TMDL/County	Lower MN DO TMDL - Under current land use practices, approximately 1,240 pounds per day of phosphorus is projected to be generated in the Basin during critical low flow conditions. The TMDL Report reduced the amount to 752 pounds per day during low flow conditions by implementing conservation practices. Martin County CLWMP Pg 13 - Priority Concern - Impaired Waters and TMDLs - Goal 1 - To improve the quality of TMDL listed waters in Martin County to a level that allows them to be delisted. Obj. 3 - To identify areas that could be used as temporary water storage areas to slow down the surface water as it moves off the landscape.	BWSR Clean Water Fund	\$112,703	\$29,311	\$142,014		
10	10.0		Cover crops are considered a viable agricultural Best Management Practice (BMP) due to their ability to decrease soil erosion and scavenge and cycle nutrients.	County	Freeborn County CLWMP Pg 11 - Priority - Topsoil - Goal: Protect and preserve topsoil; Action - Educate landowners on soil erosion practices.	BWSR Clean Water Fund	\$44,000		\$44,000		
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Total FTEs		4.0						Total Requested Biennial State Contribution (estimated)	Total Leveraged Funds (estimated)	Total Resource Project and Activities Budget (estimated)	Sum of Additional Funds Needed to Fully Implement Plan for 2016-17
								\$4,249,474	\$1,176,343	\$5,425,817	