

MILL CREEK-BLUE RIVER WATERSHED

COST-SHARE PROGRAM



Prepared By:

Mill Creek-Blue River Watershed
Technical Committee

2013
Grant A305-3-120

Cost-share Program Target:

10-digit Watershed

Mill Creek-Blue River (0514010407)

12-digit Subwatershed

Headwaters West Fork Blue River (051401040701)

Highland Creek-West Fork Blue River (051401040703)

Mill Creek (051401040704)

North Karst Area-Blue River (051401040706)

Middle Fork Blue River (051401040702)

Target Audience:

The targeted audience for the cost-share program will be agricultural producers operating within Mill Creek-Blue River (MCBR) Watershed critical area boundaries listed previously and landowners, developers and public properties on urban land (as defined by the Indiana Department of Environmental Management) who are also within the outlined critical areas. However, urban best management practices (BMPs) must be approved by the IDEM Project Manager before the grant funds are allocated.

The agriculture producers and operators will learn about the MCBR Cost-Share Program through personal communication in the office, phone, brochures, newsletters, articles in the local news media, Washington County SWCD and MCBR websites, field days, workshops, any other MCBR activity held.

Critical Areas within Mill Creek-Blue River Watershed:

Critical areas are the targeted areas within the watershed in which the water quality concerns are creating the greatest damage. There are four subwatersheds that cost-share programs will address. These are: Headwaters West Fork Blue River (051401040701), Highland Creek-West Fork Blue River (051401040703), Mill Creek (051401040704), and North Karst Area-Blue River (051401040706). If cost-share funds remain after the first year of implementation, the MCBR Technical Committee will add Middle Fork Blue River (051401040702) to be targeted with cost-share funds (Appendix A). These four critical areas will have the greatest impact on water quality improvements once treatment measures have been implemented. The following contaminants and stressors have determined the critical areas in the MCBR Watershed Management Plan:

E. coli Critical Areas (pg. 105-106 of WMP)

Headwaters West Fork Blue River (051401040701)
Highland Creek-West Fork Blue River (051401040703)
Mill Creek (051401040704)
North Karst Area-Blue River (051401040706)
Middle Fork Blue River (051401040702)

Sediment and Erosion Critical Areas (pg. 106-108 of WMP)

Headwaters West Fork Blue River (051401040701)
Highland Creek-West Fork Blue River (051401040703)
Mill Creek (051401040704)
North Karst Area-Blue River (051401040706)
Middle Fork Blue River (051401040702)

Non-Point Source Pollution and Stormwater Runoff Critical Areas (pg. 108-109 of WMP)

Headwaters West Fork Blue River (051401040701)
Highland Creek-West Fork Blue River (051401040703)
Mill Creek (051401040704)

High Nutrient Content Critical Areas (pg. 109-111 of WMP)

Headwaters West Fork Blue River (051401040701)
Highland Creek-West Fork Blue River (051401040703)
Mill Creek (051401040704)
North Karst Area-Blue River (051401040706)
Middle Fork Blue River (051401040702)

Impaired Biotic Communities Critical Areas (pg. 111 of WMP)

Headwaters West Fork Blue River (051401040701)
Highland Creek-West Fork Blue River (051401040703)

Best Management Practices Eligible for Cost-Share:

The BMPs listed below are eligible under the cost-share program and will address listed contaminants and stressors in the critical areas (BMPs can be found on pages 116-117 of the WMP):

Practice Code	BMP	Specifications	Concern addressed
560	Access Road	1. Must be used as approach to stream crossing (578) or HUAP (561). Distance determined on a case-by-case basis. 2. One way traffic only.	Sediment and Erosion Critical Areas, High Nutrient Content Critical Areas, Biotic Communities Critical Areas
575	Animal Trails and Walkways		E.coli Critical Areas Sediment and Erosion Critical Areas Non-Point Source Pollution and Stormwater Runoff Critical Areas High Nutrient Content Critical Areas
317	Composting Facility		E.coli Critical Areas, High Nutrient Content Critical Areas Biotic Communities Critical Areas
340	Cover Crop	1. The cover crop cannot be mechanically harvested for grain, seed or forage. This includes dry hay, straw, baleage, silage, haylage, green chop, etc. 2. Grazing of cover crops is allowed if used to address an existing resource concern caused by existing livestock, and the cover crops will be grazed according to a grazing plan. 3. Funds may be used to establish the cover crop only (does not include removal). 4. This practice is required to be maintained for one season. A farmer is eligible to receive cost-share on a field a maximum of 3 times.	Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas, Biotic Communities Critical Areas
342	Critical Area Planting		Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas, Biotic Communities Critical Areas
554	Drainage Water Management		E.coli Critical Areas Sediment and Erosion Critical Areas Non-Point Source Pollution and Stormwater Runoff Critical Areas High Nutrient Content Critical Areas
382	Fence	1. Only eligible if used to exclude livestock under (472) Access Control or for pasture management that meets (528) Prescribed Grazing standard. 2. Temporary fence is not eligible under this practice.	E.coli Critical Areas, Sediment and Erosion Critical Areas, High Nutrient Content Critical Areas, Biotic Communities Critical Areas

Practice Code	BMP	Specifications	Concern addressed
512	Forage and Biomass Planting		Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas
410	Grade Stabilization	1. This practice may not be used in a water of the State unless appropriate permits have been obtained. 2. Structures may be installed by NRCS along the "waters of the state" as long as less than 100 linear feet will be disturbed.	Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas
412	Grassed Waterway		E.coli Critical Areas, Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas, Biotic Communities Critical Areas
561	Heavy Use Area Protection		E.coli Critical Areas, Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas
468	Lined Waterway	1. Must be applied as part of a resource management system. 2. This practice may not be used in a water of the State unless appropriate permits have been obtained.	E.coli Critical Areas, Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas, Biotic Communities Critical Areas
484	Mulching	Only eligible to support another practice for the purpose of establishment of permanent vegetative cover.	Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas
	Nutrient management Plan and Comprehensive Nutrient Management Plan	1. Must follow EQIP Conservation Activity Plan (Practice Code 102). 2. For CNMP development, the NRCS CNMP Review Checklist must be completed and signed by the landowner, a Certified CNMP Developer, and an Approved NRCS CNMP Reviewer, if appropriate.	E.coli Critical Areas, Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas, Biotic Communities Critical Areas
533	Pumping Plant	Eligible only for livestock watering.	E.coli Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas, Biotic Communities Critical Areas

Practice Code	BMP	Specifications	Concern addressed
	Residue Management and No-Till (equipment modification or pre-emergent chemicals)	<p>1. This practice must either be used as a transition from conventional tillage to the Residue and Tillage Management, No Till/Strip Till (329); or Mulch-Till must meet the "modified No-Till" criteria; or applicant must prove that the current system's soil loss is above "T" and this practice will take it below "T".</p> <p>2. Applicant must have mulch-tilled/ modified no-tilled and/or no-tilled for no more than 5 consecutive years in order to be eligible.</p> <p>3. Must develop nutrient management (590) and pest management (595) plans that are specific for a mulch-till system, and have any component critical to the success of the system implemented the fall prior to the implementation of mulch-till.</p>	E.coli Critical Areas, Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas, Biotic Communities Critical Areas
390	Riparian Buffer		E.coli Critical Areas, Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas, Biotic Communities Critical Areas
558	Roof Runoff Management	<p>1. Must limit stormwater runoff, thus reducing soil erosion and increasing the infiltration rate.</p> <p>2. This practice includes cisterns and rain barrels.</p>	Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas,
574	Spring Development	Must be in conjunction with exclusion fencing (382) or prescribed grazing (528).	E.coli Critical Areas, Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas, Biotic Communities Critical Areas
580	Streambank Stabilization	Bioengineering and/or vegetative establishment only.	Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas, Biotic Communities Critical Areas
606	Subsurface Drainage	Must be used in conjunction with a Grassed Waterway (412), Diversion (362), Drainage Water Management System (554), WASCOD (638), or other approved BMP in which subsurface drainage is necessary.	Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas,

Practice Code	BMP	Specifications	Concern addressed
612	Tree Planting	Must be used for long-term erosion control and improvement of water quality.	Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas, Biotic Communities Critical Areas
633	Waste Management		E.coli Critical Areas, Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas, Biotic Communities Critical Areas
313	Waste Storage Facility	1. Must be above and beyond permit requirements. 2. If waste facility is on a property that does not contain animals there must be a contract in place to receive manure for at least 10 years. 3. A CNMP must be written, delivered and certified prior to the start of the waste storage facility.	E.coli Critical Areas, Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas
614	Watering Facility	1. Must be used in conjunction with exclusion fencing (382) and/or prescribed grazing (528). 2. Reimbursed only for livestock watering.	E.coli Critical Areas, Sediment and Erosion Critical Areas, Non-Point Source Pollution and Stormwater Runoff Critical Areas, High Nutrient Content Critical Areas

Percent of Cost-Share Available to Participants:

Up to seventy-five (75) percent of the cost of implementing the Best Management Practices (BMPs) will be provided by the Mill Creek-Blue River Watershed 319 funds with the exception of a Comprehensive Nutrient Management Plans (CNMP) which can receive up to ninety (90) percent. Field equipment modifications can be funded for up to seventy-five (75) percent; moreover, the recipient will not receive reimbursement until the BMP has been successfully implemented. A Conservation Plan must be in place and followed in all fields that receive cost-share funds. At least 25% of the total cost must be provided by the cost-share recipient or other non-federal source as match. Design costs may also be included in the total cost of the BMP implementation. Applicable BMPs must meet Natural Resources Conservation Service (NRCS) design specifications and installation recommendations. Reimbursements will follow the successful installation of the BMP. All BMPs must be successfully installed by September 30, 2016 with the exception of cover crops and drainage water management, which need to be installed by December 31, 2015.

All animal feeding operations (AFO) that receive financial assistance from MCBR Watershed funds must have a CNMP in place. Section 319 funds may be used to pay up to 90% of the

total cost of developing a CNMP (based on the Technical Service Provider (TSP) Not to Exceed Rate). Any AFO that is subject to National Pollutant Discharge Elimination System (NPDES) permit requirements or is designated to be a Concentrated Animal Feeding Operation (CAFO) under 40 CFR Section 122.23 is ineligible for Section 319 funding.

The maximum dollar amount a cost-share recipient may receive is \$10,000 per tax identification number; however, the MCBR Watershed Technical Committee may adjust the limit to a higher maximum amount depending on the complexity of solving a serious problem. During year one, a priority of 50% of the cost-share program will be given to livestock operations and 50% will be given to crop operations. Applicants applying for livestock cost-share BMPs must rank at least 15 on the ranking sheet and applicants applying for all other operations must rank at least 20 on the ranking sheet (Appendix C). If projects meeting those minimum scores come in, they will automatically be funded if there are funds available.

Restrictions:

MCBR 319 grant funds may not be used for the items listed below, nor may they be counted as match for the project:

- Purchase of large agricultural equipment or other large pieces of equipment - (equipment modifications and leasing are allowable)
- Purchase of land or land easements (administrative costs are allowable)
- Dredging
- Any practices, equipment, or supplies used to fulfill the requirements of a Federal permit, such as an MS4 or other NPDES permit, or to comply with a State rule or permit, such as IDEM's Confined Feeding Operation Rule (327 IAC 16) [PDF], or to meet enforcement requirements
- Practices at a Concentrated Animal Feeding Operation (CAFO)
- Wetland mitigation sites
- Incentive payments of any kind
- Yield losses
- Any project which is directed at water quantity rather than water quality, such as drainage/flood control or channelization
- Practices not sanctioned by IDEM or a partner agency of IDEM
- Practices not installed in accordance with standards and specifications developed by IDEM, NRCS, IDNR or other acceptable standards
- Sales tax
- Log jam removal
- Low flow plumbing
- Invasive species removal (unless removal is needed to implement a BMP)
- Sediment traps, basins, or ponds within a Water of the State

- Construction of dry detention ponds (adding infiltration capacity to an existing dry pond is acceptable)
- Permeable weirs
- Regional water quality features
- Ordinance revision or development
- Well capping (oil/gas and water)
- Installation/repair/maintenance of septic systems, including demonstration septic systems
- Food/beverages/entertainment for events
- Office furniture
- Permit fees

MCBR Watershed is committed to improving water quality, therefore, applicants could be excluded from funding should a resource concern be found and the applicant is not willing to address it.

Review of Cost-Share Applications:

MCBR Watershed Coordinator will receive and review all application upon submission to ensure correct completion of the forms and that the applicant is located within the critical area of the watershed. Applications will be accepted on a continuous basis and ranked monthly. The following organizations or individuals will use the criteria listed on the cost-share ranking sheet to review the applications:

- MCBR Watershed Technical Committee
- Washington County SWCD Board
- NRCS District Conservationist
- ISDA Resource Specialist
- Watershed Coordinator

Final approval for all cost-share projects will be given by the Washington County SWCD Board. If permits are necessary to install BMPs under the cost-share program, the cost-share recipient will be responsible for obtaining any necessary permits.

Review of BMP Installation:

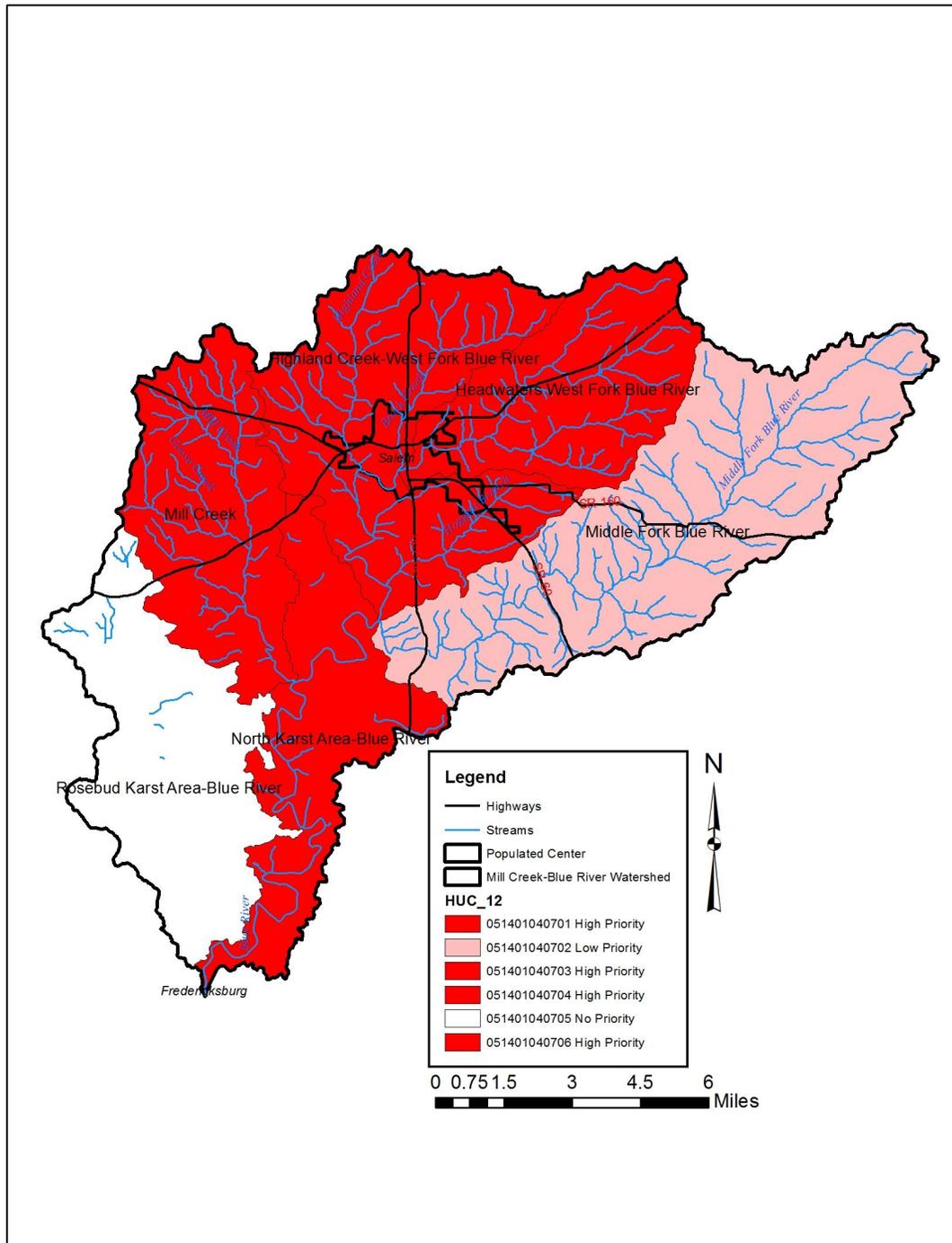
After BMP installation is complete, Washington County SWCD staff, ISDA staff and NRCS Conservationists will review and approve the BMP installation according to the recognized standards (NRCS, IDNR, etc.).

Maintaining BMPs:

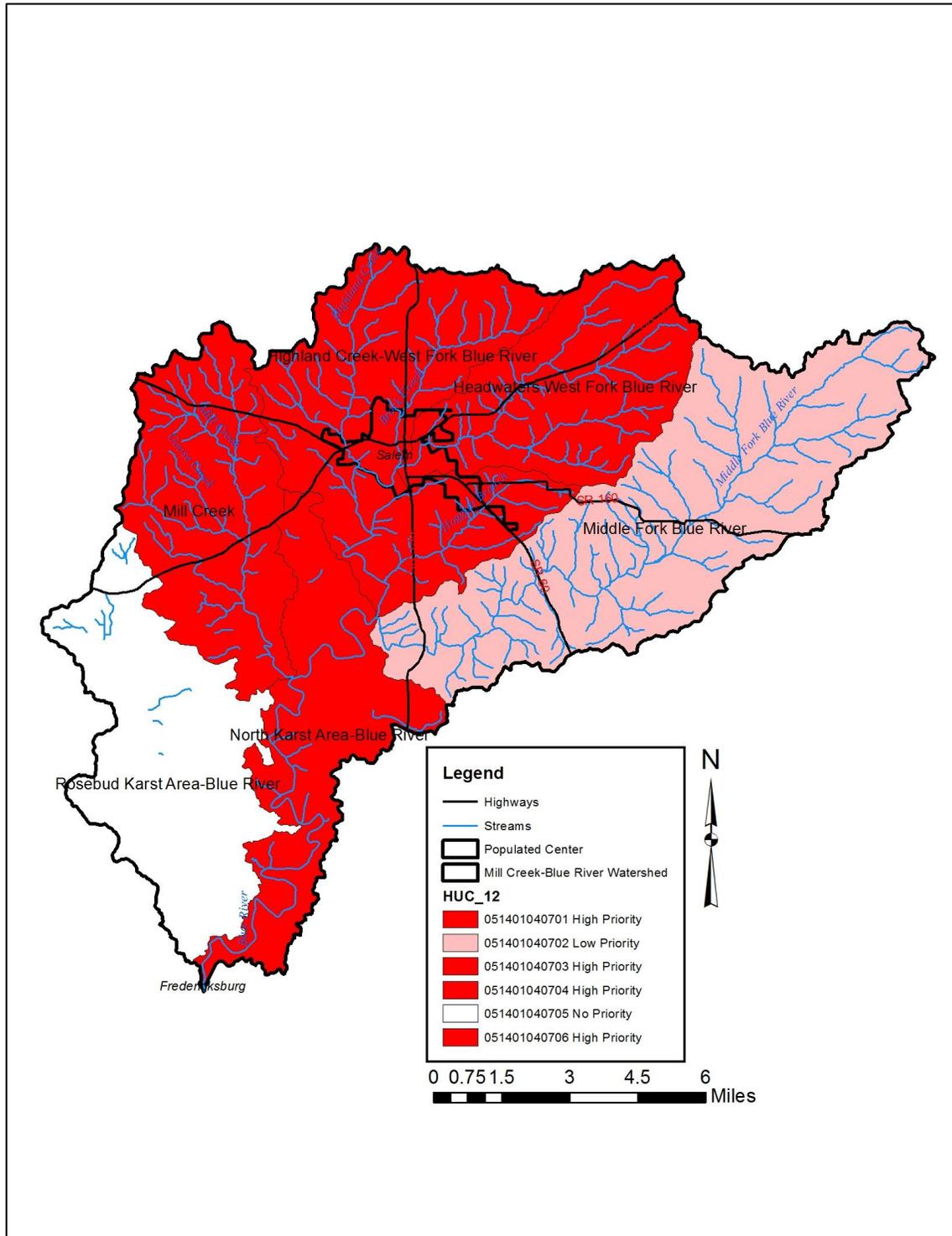
The cost-share recipient will be responsible for maintaining the BMPs. They will be required to follow IDEM's guidelines (as defined in the Clean Water Act 319 Agriculture/Urban Guidance for Indiana) regarding duration:

- Vegetation and land management practices will be maintained for 5 years, with the exception of cover crops.
- Structural Practices will be maintained for 10 years.

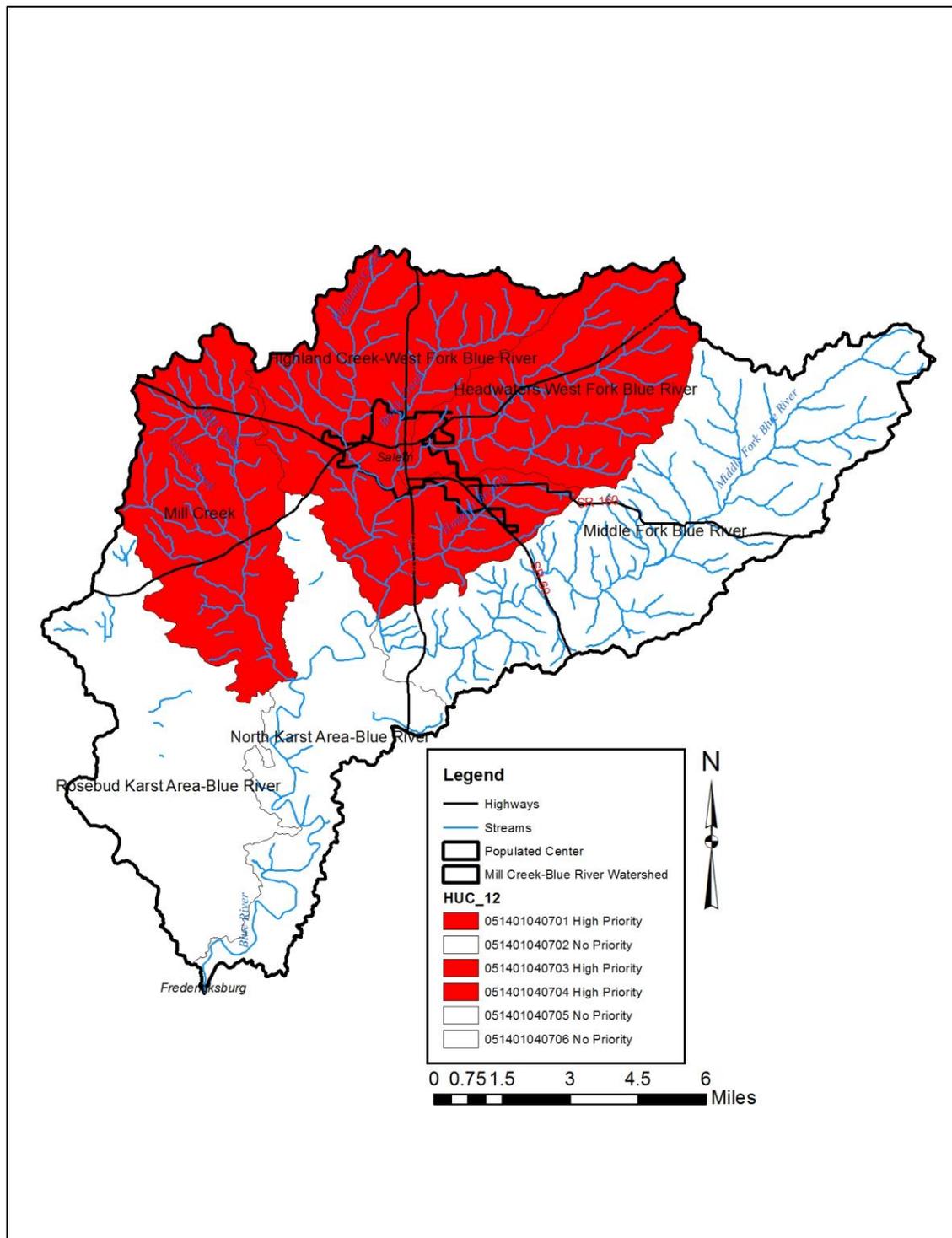
APPENDIX A: CRITICAL AREAS IN MCBR WATERSHED
E.coli Critical Areas



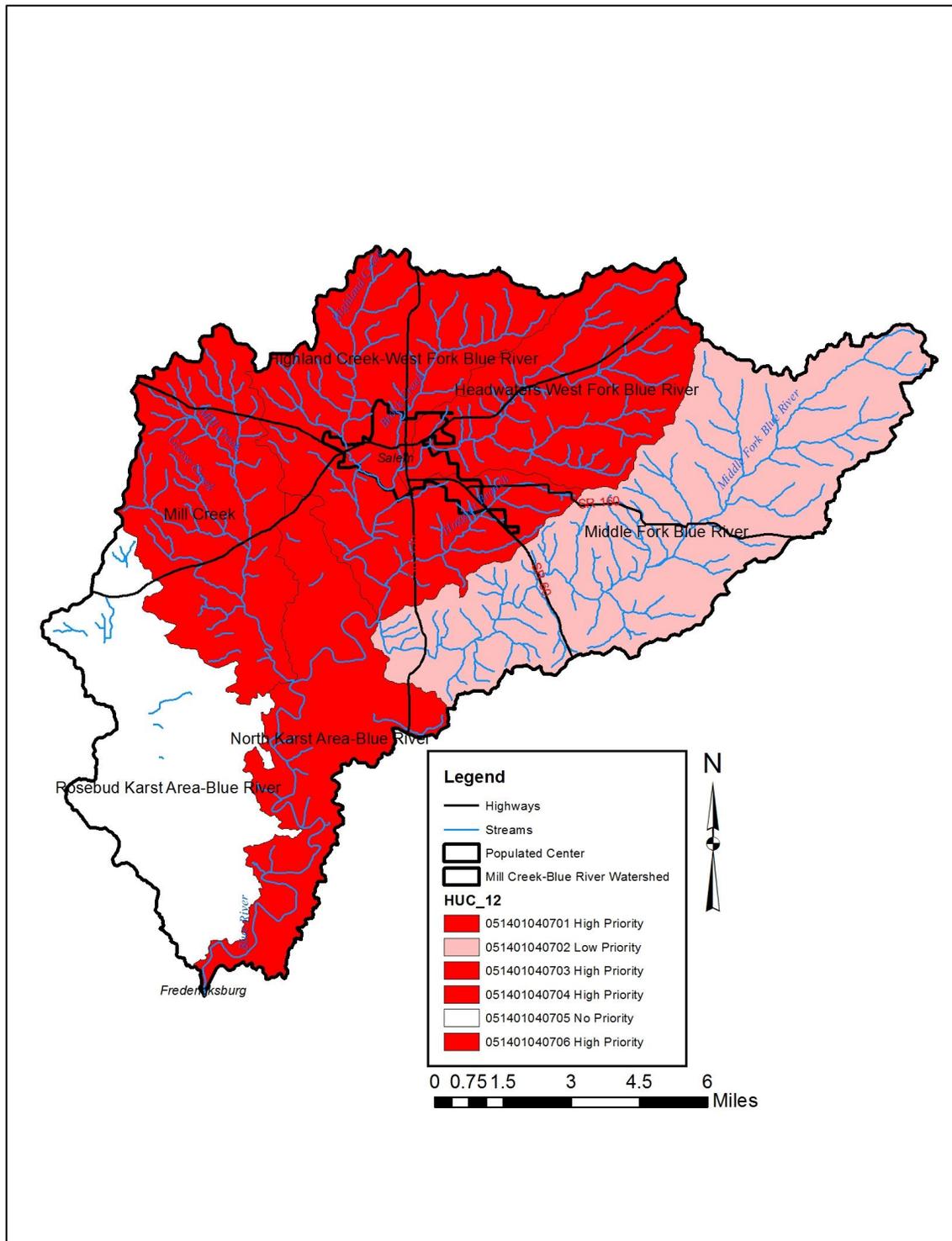
Sediment and Erosion Critical Areas



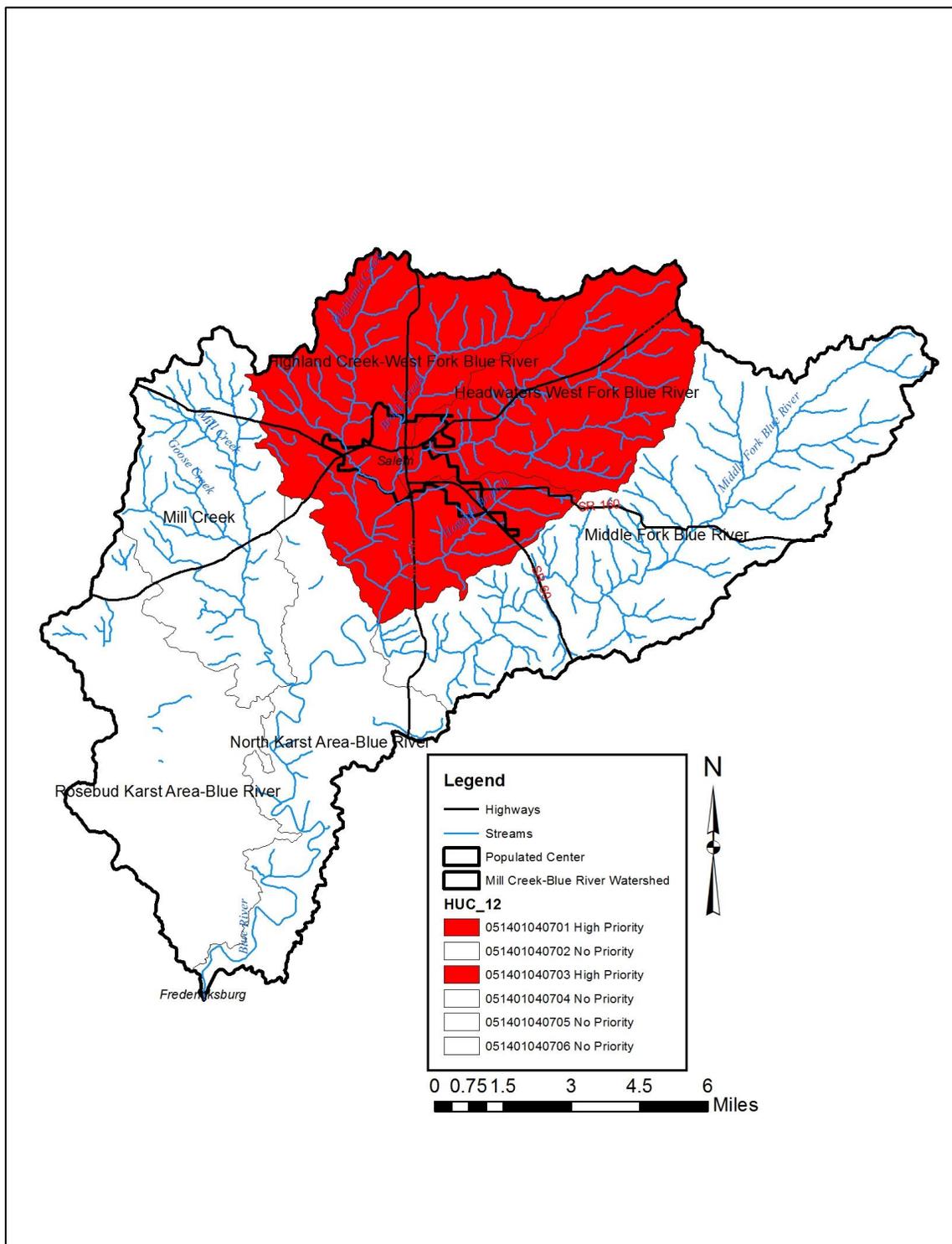
Non-Point Source Pollution and Stormwater Runoff Critical Areas



High Nutrient Content Critical Areas



Impaired Biotic Communities Critical Areas



APPENDIX B:
 MCBR Watershed Cost-share Application

Reset Form



**319-A, AGRICULTURE COST-SHARE
 CLEAN WATER ACT SECTION 319 COST-SHARE PROGRAM**

State Form 50065 (RS / 9-09)
 INSTRUCTIONS: See page 2 of this form.

INDIANA DEPARTMENT OF
 ENVIRONMENTAL MANAGEMENT

SECTION A

Applicant name		Indiana county	IDEM contract/agreement number	
Name of sponsoring organization				
Location information farm number	Tract number	Field(s) number	Section number	
Township	Range	Civil township	USGS quad name	12-digit HUC
Latitude and longitude or universal transverse mercator (UTM) coordinates				
<p><i>I hereby agree and certify that a conservation plan has been developed and will be followed in all fields that receive cost-share funds. All best management practices (BMPs) implemented with these grant funds will be operated and maintained in accordance with United States Department of Agriculture Natural Resources Conservation Service (NRCS) standards and specifications (or other specifications cited below). Practices shall be maintained as follows: vegetative and land management practices, five (5) years; structural practices, ten (10) years.</i></p>				
Applicant signature		Date (mm/dd/yyyy)	Landowner signature	Date (mm/dd/yyyy)
Printed name		Printed name		
Address (number and street)		Address (number and street)		
City	State, ZIP code	City	State, ZIP code	

SECTION B

The following eligible BMPs are needed to improve or maintain water quality, and will reduce off-site sedimentation or nutrient, pesticide or pathogen loads to receiving waters. These practices were implemented consistent with NRCS standards and specifications (or other specifications as listed below) and in accordance with the conservation plan.

Field number	NRCS practice title or other specifications followed	Maintain for	Quantity or unit	Total cost	Cost-share level (%)	Cost-share amount	Install date (mm/yyyy)
		yrs		\$		\$	
		yrs		\$		\$	
		yrs		\$		\$	
		yrs		\$		\$	
		yrs		\$		\$	
		yrs		\$		\$	
TOTAL				\$		\$	

Printed name <u>and</u> signature of NRCS, IDNR, ISDA, TSP, or SWCD technical representative:	Date (mm/dd/yyyy)

SECTION C

Critical area as described in the WMP and page number(s) where referenced	NPS pollutant(s) of concern addressed within this critical area by BMP implementation
<p><i>The total cost-share amount in section B is recommended to IDEM for cost-share assistance and is approved for payment by the sponsoring organization. The sponsoring organization or local SWCD office has a copy of the conservation plan available for IDEM review.</i></p>	
Authorized signature for sponsoring organization	Date (mm/dd/yyyy)

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APPENDIX C:

MCBR Watershed Cost-share Ranking Sheet for Implementing BMPs

Mill Creek-Blue River Watershed Cost-Share Program Ranking for Agricultural BMP(s)		
<i>Watershed Criteria</i>	Points Available	Points Awarded
Watershed Location:		
Practice is located in a high priority (red) subwatershed	5	
Practice is located in a low priority (pink) subwatershed	3	
Distance to creek, stream, or waterbody		
Adjacent to stream or waterbody	3	
500 – 1000 ft.	2	
Greater than 1000 ft.	1	
Discharges to 303(d) impaired waterbody (as identified by IDEM)	3	
No other cost share programs are available for this practice – Equipment Modification	2	
Location is publicly accessible or highly visible from public road	2	
Project provides educational opportunity or includes educational components	2	
Necessary permits are in place, easily sought, or unnecessary	2	
<i>Agricultural Projects</i>		
Cover Crops		
Cover crop follows soybeans	2	
Cover crop follows corn	1	
New to practice	2	
Eliminating livestock from stream or creek		
Limiting livestock to no closer than 100ft.	3	
Limiting livestock to no closer than 50ft.	2	
Limiting livestock to no closer than 30ft.	1	
Limiting greater than 15 animals from all streams/creeks	3	
Alternative livestock water source developed or planned	1	
Composting facility for livestock on-site or planned	1	
Heavy use area on-site or planned (561)	3	
Forage/Biomass Planting implemented or planned	2	
Nutrient and/or Pest Management incorporated	3	
Multiple resource concerns addressed		
Greater than or equal to six (6) Resource Concerns addressed	4	
Four to Five (4-5) Resource Concerns addressed	3	
Two to Three (2-3) Resource Concerns addressed	2	
One (1) Resource Concern addressed	1	
Conservation Cropping System being applied (no-till, nutrient management, and cover crop) all items do not need to be cost-share items, but must be in place	5	
TOTAL	50	