

Great Lakes Basin Program GLRI Project

Little Elkhart River Sedimentation Reduction

Size: watershed
Grant Amount: \$250,000
Year awarded: 2010

Sponsor Name: LaGrange County SWCD
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Submitted Project:

II. Project Background

Erosion and Sediment Goal

*Estimate the total amount of **erosion**, in tons, your project will save. 814*

*Estimate the total amount of **sediment**, in tons, your project will save. 651*

*Describe the major **sources** of sediment in your watershed and the types of sources you will be reducing (cropland, streambank). The land use inventory clearly demonstrated that livestock induced damage to stream banks and unrestricted access to the stream bed as the major cause of sedimentation to the drainage. In addition sheet erosion near bare (not surfaced) barnyards is the second major condition causing sedimentation.*

Watershed/ Project Work Area

Name of your watershed plan and the agency that approved the plan.

Little Elkhart River Watershed Management Plan Addendum-Indiana Department of Environmental Management (IDEM) 9/2009

Little Elkhart River Watershed Management Plan-IDEM 4/2007

*Watershed: list all **12 digit USGS HUC codes** that compromise your watershed. 040500011201, 040500011202, 040500011203, 040500011204, 040500011205*

This project was funded by the Great Lakes Restoration Initiative, and is maintained through the Great Lakes Basin Program for Soil Erosion and Sediment Control at the Great Lakes Commission.



Describe the **Priority Areas** within the watershed where you are going to concentrate your efforts. List by area or narrative description of specific conditions. Priority areas will consist of agricultural based properties directly adjacent to moving surface waters of the Little Elkhart River system. All sites will involve livestock induced stream bank damage due to direct unrestricted access that has been identified in the watershed management plan.

How many acres are in the watershed? 82,982

How many acres are in:

- Agriculture including pasture landuse? 72,564
- Forest including brushland landuse? 6118
- Urban, suburban, industrial, commercial and rural residential landuse? 4300

U.S. **Congressional District(s)** where project is located, as listed at www.house.gov/writerep/. 03

III. Implementation

A written contract will be required between you and the landusers/landowners to fund conservation practices with GLBP funds. The contract will include among other items, the type, number and location of each practice to be installed as well as the cost-share/incentive rate to be paid for each practice. (We will also use the signed contract as proof of commitment of funding for reimbursement of your expenses.)

Fill out all that apply:

A. Agronomic/Cover-based Practices installed by Landowners/Landusers with incentives paid for with this grant (ex. Cover Crops, conservation tillage, no-till.) If you have more than three BMPAs, copy and paste BMPA1 section and change the number as appropriate.

BMPA1

Description: Filter Strips used in conjunction with livestock exclusion fencing

Check the quarters the task is to be started and completed:

Quarter	1	2	3	4	5	6	7	8	9	10	11	12
Start/Complete		X										X

Number of acres/units of BMP to be installed during project: 30 acres

Incentive method: Cool season or warm season grass plantings 20' width minimum and 60' width maximum

and rates: \$600 dollars per acre (one time payment), landowner must incur planting expense including seed which averages \$150 per acre

Expected soil savings in total tons: 69 tons

B. Engineering Practices installed by Landowners/Landusers with Financial Assistance provided by this grant (ex. Grass Waterway, Streambank Stabilization.) If you have more than three BMPs, copy and paste BMPE1 section and change the number as appropriate. (NRCS equivalent or PE sign-off.

BMPE1

Description: Livestock Exclusion Fencing

Check the quarters the task is to be started and completed:

Quarter	1	2	3	4	5	6	7	8	9	10	11	12
Start/Complete		X										X

Number of acres/units of BMP to be installed during project: 15,000 feet

Incentive method: 75% of fence installation

and rates:

Expected soil savings in total tons: 18 tons

BMPE2

Description: Stream Bank Stabilization

Check the quarters the task is to be started and completed:

Quarter	1	2	3	4	5	6	7	8	9	10	11	12
Start/Complete		X										X

Number of acres/units of BMP to be installed during project: 750 feet

Incentive method: 75% of installation cost

and rates:

Expected soil savings in total tons: 193 tons

BMPE3

Description: Alternative Watering Systems

Check the quarters the task is to be started and completed:

Quarter	1	2	3	4	5	6	7	8	9	10	11	12
Start/Complete		X										X

Number of acres/units of BMP to be installed during project: 8 systems

Incentive method: 75% of installation cost

and rates:

Expected soil savings in total tons: transparent-used in conjunction with livestock exclusion fencing

BMPE4

Description: Stormwater Runoff Diversion (barnyards adjacent to stream channel)

Check the quarters the task is to be started and completed:

Quarter	1	2	3	4	5	6	7	8	9	10	11	12
Start/Complete		X										X

Number of acres/units of BMP to be installed during project: 6 units

Incentive method: 75% of installation cost

and rates:

Expected soil savings in total tons: 70 tons

BMPE5

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Description: Rocked Livestock Crossings

Check the quarters the task is to be started and completed:

Quarter	1	2	3	4	5	6	7	8	9	10	11	12
Start/Complete		X										X

Number of acres/units of BMP to be installed during project: 8 units

Incentive method: 75% of installation cost

and rates:

Expected soil savings in total tons: 108 tons

BMPE6

Description: Limited Access Watering Facilities

Check the quarters the task is to be started and completed:

Quarter	1	2	3	4	5	6	7	8	9	10	11	12
Start/Complete		X										X

Number of acres/units of BMP to be installed during project: 2 units

Incentive method: 75% of installation cost

and rates:

Expected soil savings in total tons: 20 tons

BMPE7

Description: Culvert (Pipe) Crossing

Check the quarters the task is to be started and completed:

Quarter	1	2	3	4	5	6	7	8	9	10	11	12
Start/Complete				X								X

Number of acres/units of BMP to be installed during project: 2 units

Incentive method: 75% of installation cost

and rates:

Expected soil savings in total tons: 73 tons

BMPE8

Description: Heavy Use Area Pads

Check the quarters the task is to be started and completed:

Quarter	1	2	3	4	5	6	7	8	9	10	11	12
Start/Complete		X										X

Number of acres/units of BMP to be installed during project: 10 units

Incentive method: 75% of installation cost

and rates:

Expected soil savings in total tons: 100 tons

C. Agronomic/Plant-based Practices installed by Landowners/Landusers with the use of equipment purchased by this grant for which you retain ownership (ex. no-till planters or drills, residue management machines, mulchers.) If you have more than two Equipments, copy and paste Equipment 1 section and change the number as appropriate. Cost-share on equipment: N/A

D. Alternate Incentive Methods (ex. pay per ton/unit reduced/increased) List each unit separately (ex. Pay per ton of sediment reduced rather than pay for a particular BMP.) If you have more than one ALT, copy and paste the ALT1 section and change the number as appropriate. N/A

E. Easements, purchased in part or whole with grant funds, over which you or your assignees retain ownership. If you have more than one type of EAS, copy and paste the EAS1 section and change the number as appropriate. (NRCS Equiv or state standards.) N/A

IV. Media Campaign

A. You will be required to conduct a kickoff event in the first quarter of the project. You are specifically to invite, among others, all members of Congress who have a portion of their district within your watershed project boundaries, the media and the chair of the Great Lakes Commission delegation from your state. Describe how and what you will do to meet this requirement. A field day will be held visually demonstrating

previous BMP success coupled with anticipated BMP installation sites. Attendees will receive a package containing before installation photos, sediment reduction data, and grant cost share opportunities.

B. You are also required to establish an on-going outreach campaign. Describe your on-going outreach campaign strategy for:

1. *The general public/media:* The LaGrange SWCD has an ongoing outreach program. This grant will be included in the process. On a yearly basis programs are outlined at public events such as auction events within the watershed, Northern Indiana Grazing Conference, and monthly pasture walks. News releases occur on a yearly basis. A brochure will be developed and made available at all public events.

2. *Landowners/landusers:* Landowners that have identified problems will be personally contacted. This technique has proven to be the best method for producing BMP installations.

3. *Elected officials:* LaGrange County leadership is briefed on a monthly basis on the progress of all grant programs. Informational mailings and event invitations are sent to state/federal representatives at regular intervals.