### Protecting North and South Fork Yellow Bank River Final Report



April 6, 2012 to April 5, 2016

### Project Sponsor: Lac qui Parle-Yellow Bank Watershed District

April 14, 2016
Contributing Sponsors:
Lac qui Parle County,
Lac qui Parle County Water Plan,
Lac qui Parle SWCD,
Lac qui Parle NRCS,
East Dakota Water Development District

### Grant project summary Project title: Protecting North and South Fork Yellow Bank River Organization (Grantee): Lac qui Parle-Yellow Bank Watershed District Project start Project end Report submittal date: April 6, 2012 date: April 5, 2016 date: April 14, 2016 Grantee contact name: Mary Homan Title: Project Coordinator Address: 600 6th Street, Suite 7 City: Madison State: MN Zip: 56256 Phone number: 320-598-3319 Fax: 320-598-3125 Email: Mary.homan@lqpco.com Basin (Red, Minnesota, St. Croix, etc.) Watershed & 8 digit HUC:: Minnesota River Basin 07020001 County: Lac qui Parle Project type (check one): X Clean Water Partnership ☐ Total Maximum Daily Load (TMDL)/Watershed Restoration or Protection Strategy (WRAPS) Development ☐ 319 Implementation 319 Demonstration, Education, Research ☐ TMDL/WRAPS Implementation Grant funding Final grant Final total project amount: \$234,949.66 costs: \$787,648.67 Matching funds: Final \$466,146,98\* cash: \$10,235.21 Final in-kind: \$76,316.82 Final Loan: ends on 7-30-16

### Executive summary of project (300 words or less)

Katherine Pekarek-Scott

This summary will help us prepare the Watershed Achievements Report to the Environmental Protection Agency. (Include any specific project history, purpose, and timeline.)

### Problem (one paragraph)

MPCA project manager:

The North and South Forks of the Yellow Bank River begin in South Dakota and are located in the northern portion of Lac qui Parle County in western Minnesota. They merge in Section 25 of Yellow Bank Township to form the main stem of the Yellow Bank River. Both the North and South Yellow Bank Rivers are currently meeting the Minnesota Water Quality standard for turbidity and are currently listed on the 303 (d) impaired waters list for fecal coliform.

### Waterbody improved (one paragraph)

In 2010 and 2011 an intensive water sampling project was completed with East Dakota Water Development District, Upper Minnesota Watershed District and the Lac qui Parle-Yellow Bank Watershed District. The data from this

project supported earlier data the the rivers meet the water quality standard for turbidity and exceeds the *E. Coli* bacteria standard. Conservation practices were selected to offer additional protection of sediment entering either of the streams.

### Project highlights (one paragraph)

A Friendship Tour of the watershed that took about 100 participants into South Dakota to understand the elevation factor in the Yellow Bank River watershed. Information was presented on water quality results from a recent intensive sampling project, conservation management practices and programs available to landowners, flood control practices and future projects that are being developed. Other educational events such as field days provided encouragement to producers to try new conservation practices such as water control structures and cover crops. CRP contracts, water and sediment control basins, replacement of open tile intakes, and a streambank restoration projects were all completed to help protect the two rivers.

### Results (one paragraph)

The North and South Fork Yellow Bank Rivers had 65.84 acres enrolled into continuous CRP contracts, six water and sediment control basins, eleven open intakes replaced and 120 feet of streambank restoration completed. The BWSR Water Erosion Pollution Reduction Estimator indicated TSS savings of 241 T/yr. soil savings of 372 T/yr. and Phosphorus reduction of 313 lbs/year.

### Partnerships (Name all partners and indicate relationship to project)

Lac qui Parle-Yellow Bank Watershed District-Sponsor

Lac qui Parle County-Administrative In-Kind

Lac qui Parle Natural Resource Conservation Service-Engineering services and in-kind

Lac qui Parle Soil and Water Conservation District- Education Outreach

Lac qui Parle Water Management Plan-Educational Outreach

East Dakota Water Development District-Educational Outreach

### **Pictures**

Wildung field day photo: Open tile intake replaced with pattern tiling

Cover crop photo: Producers at cover crop field day along the South Fork Yellow Bank River

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Objective 4: Administrative Management

Objective 5: SRF Loan

### 2. Grant Results

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  BMP Implementation
  Technical assistance
  Administrative Management
  SRF Loan program
- B. Products
- C. Public Outreach and Education
- D. Long Term Results
- 3. Final Expenditures

The North and South Forks of the Yellow Bank River begin in South Dakota in Grant County with just 13.4 % of the watershed in Minnesota. The Yellow Bank River basin covers approximately 644 square miles (287,130 Acres) in Minnesota and South Dakota. Both forks are located in the northern portion of Lac qui Parle County in western Minnesota and merge in Yellow Bank Township, Section 25 to form the main stem of the Yellow Bank River. The Yellow Bank ultimately discharges to the Minnesota River east of Odessa, MN. The watershed is located in the Northern Glaciated Plains (NGP) ecoregion which is characterized by rolling terrain, fertile soils and extensive cultivation for row crops.

Both forks of the Yellow Bank River were listed on the 303(d) Impaired Waters List in 2006 for fecal coliform bacteria exceeding the water quality standard. Both forks of the river met the turbidity water standard. After the two forks merge the Yellow Bank River is impaired for turbidity in addition to the fecal coliform bacteria. A Total Maximum Daily Load (TMDL) for multiple parameters was approved May 8, 2013. Over-grazed riparian pastures and noncompliant septic systems have a high likelihood of being the major contributors of bacteria loading during dry conditions in all seasons. This project was designed to protect the North and South Fork Yellow Bank Rivers from becoming impaired for turbidity. The Yellow Bank River excess amounts of suspended solids are likely caused by runoff-driven mechanisms, such as delivery of sediment to river from upstream areas and/or bank instability under high flow conditions such as significant storm events in spring and summer months.

In order to protect the North and South Yellow Bank River tributaries before they merge into the Yellow Bank River, education of land owners about management practices were completed with a landowner survey, newsletters, radio programs, small group meetings, and field days. These were used to increase landowner involvement by increasing best management practices in both watersheds. Incentives and cost share was provided for installing best management practices.

Water sampling was done in 2015 with a Surface Water Assessment Grant (SWAG) and total suspended solids (TSS) for both forks were considerably less than the TSS concentration surrogate for 25 NTU based on analysis of paired turbidity/TSS data from turbidity impaired reaches in the Minnesota portion of the Lac qui Parle/Yellow Bank River system. This was determined in the development of the TMDL. There were no funds with this grant to conduct water quality samples but as mentioned above the TSS water samples from the SWAG grant indicate it is meeting the TMDL loading amounts.

A total of 65.84 acres were enrolled into Continuous CRP contracts, eleven open tile intakes replaced with a pattern tile design, six water and sediment control basins totaling 1,920 feet, and a streambank stabilization project that restored 120 linear feet of the South Fork Yellow Bank River were installed. The BWSR Water Erosion Pollution Reduction Estimator indicated TSS savings of 241 T/yr. soil savings of 372 T/yr. and Phosphorus reduction of 313 lbs./year. This project worked closely with the Lac qui Parle Soil and Water Conservation District and Natural Resource Conservation Service to get practices implemented. Management practices began in 2012 and continued through fall 2015. With the recent buffer legislation requiring buffers on rivers and ditches landowners will continue installing buffer strips in the project area.

### Section 1-Work Plan Review

### A. Work Plan Changes

Change Order #1 added "drainage water management practices will receive incentive of \$25 per acre up to 200 acres per landowner for holding water between spring planting and fall harvest" and added language to include special projects as listed in the Lac qui Parle-Yellow Bank River Fecal Coliform Bacteria, Turbidity and Low dissolved Oxygen TMDL Implementation Plan.

Change Order #2 included an executed amendment No.1 to Loan Agreement No. SRF0250 that increased the total loan agreement to \$350,000.00 for Lac qi Parle-Yellow Bank Watershed District.

Amendment #1 was executed to extend the expiration date one year to 4/5/2016.

Change Order #3 increased Lac qui Parle-Yellow Bank Watershed District loan (SRF0250) amount to \$450,000.00 and extended loan amendment to 7/30/2016. Extended the Yellow Medicine County loan (SRF0251) to 7/30/2016. The Lincoln County loan agreement (SRF0252) continued to end on 7/30/2015.

### B. Activities and Tasks of Work Plan

The resource goal was to protect the North and South Fork Yellow Bank Rivers before they merge to form the Yellow Bank River from water quality impairments for turbidity and provide education on management practices while sustaining the surface water drainage requirements of the local agriculture based economy.

### **Objective 1: BMP Implementation**

Best Management Practices were installed throughout the North and South Yellow Bank Rivers to prevent and reduce non-point source pollution. Principal non-point source pollutants identified in the Lac qui Parle-Yellow Bank Watershed Diagnostic Study Report and Implementation Plan, October 2003, include total suspended solids and bacteria. The following BMP's were completed.

**Buffer Strips:** A total of 65.84 acres were enrolled into Continuous CRP contracts with ten landowners. This was 83% of our goal of 80 acres.

Constructed Conservation Practices: A total of 6 water and sediment control basins were constructed. This was 67% of the goal to construct 9 water and sediment control basins. The project piggy-backed funding programs so landowners could receive 75% cost share. The federal EQIP program provided a straight payment rate for different components of the project and this resulted in one of the landowners receiving more than 75% of project so there was no cost share for two water and sediment control basins from this project.

**Replace Open Tile Intakes:** A total of 11 open tile intakes were replaced with alternative intakes of either rock inlets, pattern tile design or a water control structure. This represented only 32% of the goal of replacing 35 open intakes.

**Special Project/Streambank Stabilization:** A streambank project on the South Fork Yellow Bank River stabilized 120 linear feet using rocks and vegetative plantings.

### **Objective 2: Educational Outreach**

Agriculture is the predominant land use in the watershed and improvements to water quality will require changes in the agricultural practices, which will require education about solutions that are economically viable to the agricultural community. The educational outreach included a Friendship Tour, four newsletters, two postcards, multiple radio programs, and two field day events 1.) Replaced open tile intakes with water control structure and rock inlets 2.) cover crops, and two buffer informational meetings. Landowners visiting with each other at meetings and field days were very effective. The Lac qui Parle SWCD also sent newsletter with BMP information. The SRF Loan program includes a "Septic System Owner's Guide" by the University of Minnesota Extension that is mailed to homeowners along with an amortization schedule for their loan repayment. Photo contests are held annually with several winning entries from the Yellow Bank watershed. The photos are used in calendars, postcards, brochures and other correspondence with landowners.

### Objective 3: Technical Assistance

Technical service for all program elements was provided by the Lac qui Parle-Yellow Bank Watershed District Clean Water Partnership coordinator as well as the Lac qui Parle NRCS Soil Conservation Technician and District Conservationist. Other technical assistance included preparation and submittal of project workplan and amendments, semi-annual reports, eLINK reporting and preparation of the Final Report. Continuing education and research for programs and new BMP's. Grant promotion and education of landowners about new BMPs and programs that will enhance water quality. Building relationships with landowners through civic engagement practices.

### Objective 4: Administrative Management

Project administration was provided by the Lac qui Parle-Yellow Bank Watershed District Administrator and Board of Managers. This included accounts payable and receivable, cost share, incentives and payroll. The grant income and expenses are tracked and recorded with Quick Books, monthly budget reports for the grant are prepared and reviewed with grant coordinator and managers. Office expenses include office supplies, telephone, postage, office rent, custodial services, internet services, copies and FAX services. The Board of Managers are given monthly updates and provide final approval for all proposed BMP projects.

### Objective 5: SRF Loan Program

The SRF Loan program was used to upgrade forty-one Subsurface Sewage Treatment Systems and approved Agricultural Best Management Practices throughout the Lac qui Parle-Yellow Bank Watershed District. The program did not use any funds for approved BMP's. The Watershed District, Yellow Medicine County and Lincoln County received a loan amount to be used in the portion of the county that lies in the watershed. This program will continue beyond

this grant period. Lincoln County did not use their funds so the funds were transferred to the Watershed District.

This grant did not expend all of its available funds and did not meet all of its goals for reduction. A survey was sent out to landowners prior to the grant application being submitted for funding. The results of that survey indicated interest in filter strips, construction projects and replacing open tile intakes. However when landowners were contacted again they were hesitate about signing contracts which may have been in correlation to the higher commodity prices in the beginning of the grant period. More recently prices are lower but landowners were still resistant to signing contracts. Informational meetings were held late summer and early fall to encourage landowners to sign up filter strip areas along watercourses and ditches as required by the Minnesota Buffer legislation. However not all the details of this legislation was available. We did get some additional contracts after the meetings but many still were hesitant because they had to do a dormant seeding in October or November.

### Section II-Grant Results Measurements:

Evaluation for this project included tracking and reporting all BMP installations, calculating soil, sediment and phosphorus savings from BMP's installed with the BWSR Water Erosion Pollution Reduction Estimator, reporting in eLINK, a reporting program for BWSR. The evaluation was continual throughout the grant period. The TEAM meetings or emails reviewed applications to fund and made recommendations for adjustments in work plan changes and amendments. The TEAM meetings also provided recommendations for additional outreach opportunities.

### **BMP Implementation:**

The individual BMPs were totaled for the following savings of sediment, soil and phosphorus. **Buffer Strips:** A total of 65.84 acres were enrolled into Continuous CRP contracts with ten landowners. The BWSR Water Erosion Pollution Reduction Estimator indicated TSS savings of 164.4 T/yr., soil savings of 192.7 T/yr., and Phosphorus reduction of 243.9 lbs/yr.

**Constructed Conservation Practices:** A total of six water and sediment control basins were constructed. The BWSR Water Erosion Pollution Reduction Estimator indicated TSS reduction of 36.7 T/yr., soil savings of 143.6 T/yr. and Phosphorus reductions of 22.80 lbs/yr.

**Open Tile Intakes Replaced:** A total of 11 intakes were replaced with alternative intakes of either rock inlets, pattern tile design or a water control structure. From previous research BWSR agrees with a TSS reduction of .4 T/yr., and 1 lb/yr. of phosphorus for each intake. Total TSS reduction is 4.4 T/yr. and 11 lbs/yr.

**Special Project/Streambank Stabilization:** The project stabilized 120 linear feet using field stone, native grasses, shrubs and trees. . The BWSR Water Erosion Pollution Reduction Estimator indicated TSS of reduction of 35.7 T/yr. soil savings of 35.7 T/yr. and Phosphorus reduction of 35.7 lbs/yr.

### **Technical Assistance:**

The Work Plan was completed and approved within sixty days of grant being executed. All semi-annual reports were submitted as required.

### SRF Loan Program:

The SRF Loan program provides funds for landowners to upgrade subsurface sewage treatment systems and approved Agricultural BMP's. The loan program was not used for Ag BMP's. The SRF loan program allows a special tax assessment to be added to the homeowners' property taxes with 3.5% interest for a period of 10 years. Loans can be paid off early with no penalty to homeowner. Loans paid off early are generally because property sold. Forty-one sewage systems were upgraded. A septic system improvement estimator was developed by the University of Minnesota, Water Resource Center in April 2013. This tool estimates 4,681 lbs/yr of BOD5, 2,586 lbs/yr of TSS, 196 lbs/yr of phosphorus, and 625 lbs/yr of nitrogen were saved with the septic system upgrades. Bacteria is also calculated with this estimator but cannot be totaled like the other pollutants. The Loan program continues until July 30, 2016. This program has been very popular in Lac qui Parle County as it is easy for the homeowner also the contractors are familiar with the program and regularly promote it.

### **Products:**

2012 Protecting the North and South Fork Yellow Bank Rivers newsletter
Final Report for Minnesota/South Dakota Friendship tour
SSTS Brochure
Septic Maintenance brochure
2013 Summer Newsletter-Protecting North and South Fork Yellow Bank Rivers
2014 Spring newsletter-Protecting North and South Fork Yellow Bank Rivers
Erosion concern postcard
Wildung Field Day Review
2015 Spring newsletter Protecting North and South Fork Yellow Bank Rivers
Post card for Open House Buffer meeting
Post card for Cover Crop field day

### **Public Outreach and Education:**

A Minnesota South Dakota Friendship Tour was held July 11, 2012 with about 100 exploring the Whetstone and Yellow Bank Rivers in air conditioned buses. Additional people followed behind to offer support for the event. Participants learned about unique geographic points of interest, water quality methods and result from an intensive sampling project in 2010 and 2011. Lunch was served and displays were set up for viewing. Comments following the tour were very positive and are still positive almost 4 years later.

Photo contests are held annually throughout the watershed with many winning photographs coming from the Yellow Bank watershed.

Field days were an excellent way to interact with landowners. A field day demonstrated alternative tile intakes and a water retention structure was held on September 3, 2014. Postcards were sent to landowners inviting them to the event and to learn about alternative intakes and other BMP's available for incentives or cost share. A photo review of the day was made into a newsletter and mailed out to landowners in the watershed. Nine people were in attendance and asked a lot of questions throughout the event. Another field day learning about cover crops was held on November 4, 2015 that was located on the South Fork of the Yellow Bank River. Seventeen people were present along with experienced cover crop producers, NRCS staff, fertilizer manager, and an agronomist that provided information on cover crops. Everyone in attendance was interested and happy to get "on the ground" information about cover crops.

Four newsletters were sent to landowners with information about cost share, incentive payments and other programs available which would prompt calls for additional information. Following each mailing there were increased phone calls and office visits with questions about programs.

Radio programs held each Wednesday morning from April through October frequently featured programs and events in the Yellow Bank watershed. Frequently comments are heard from listeners about topics addressed during the program. Other topics have been brought up by listeners and have become radio programs after researching information for them.

An informational landowner meeting was held in a town hall to share information about the new Minnesota Buffer Law, CRP options and incentive opportunities. Three new contracts were signed following this meeting.

The Lac qui Parle-Yellow Bank Watershed District partnered with Lac qui Parle County Commissioners and Lac qui Parle SWCD to hold informational public meetings about the Riparian Protection & Water Quality Protection Act (New MN Buffer Law) on January 12, 2016. Two meetings were held in the county, one in the northern portion and the other one in the southern portion of the county. The meetings were very well attended with 62 and 74 landowners at each meeting. John Kolb, Rinke & Noonan Attorney at Law, was the main speaker for the meetings. Many questions were answered about this new law with the advice to wait to get final wording of the law from this legislation session.

Conversations between landowner, producers and agency staff have become more effective with all parties taking the time to listen to each other about the agricultural concerns and water quality.

### Long-term results:

This project continued to build relationships with partnering agencies and landowners. Through TEAM meetings or email communication, the project addressed needs of the watershed and made adjustments as needed. The relationships with landowners were strengthened as projects were completed and through the field days held in the watershed. Landowners were thanked for

their contributions made towards improving the local water quality. There were no new relationships formed through this grant, however; relationships have been maintained even when not working in the neighboring counties. This is important because of future watershed work through the WRAPS process started in 2015 and future development of the One Watershed One Plan.

The Minnesota Buffer Law will ensure future filter strips are developed in the project area. Future grants will be written to implement the TMDL Implementation Plan in priority impaired areas. Additional information will be available as the WRAPS Report is developed for the watershed to be completed in 2019.

The Final Report will be posted on the Lac qui Parle-Yellow Bank Watershed District website at <a href="https://www.lqpybwatershed.org">www.lqpybwatershed.org</a>. A radio program will be dedicated to sharing the results of this project.

It is very important to develop a relationship with landowners with field days and one-on-one conversations and do not forget to listen to their ideas and concerns.

Since we only used about half of the BMP Implementation dollars, future grant applications will target smaller watersheds and request funds for specific projects.

### Section III - Final Expenditures

Please see attached Excel file for details.

### Project Budget

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MPCA Use Only

# Project title: CWP-12: Protecting North and South Fork Yellow Bank River

Protecting North and South Fork Yellow Bank River Lac qui Parle-Yellow Bank Watershed ITEMIZED PROJECT BUDGET AND EXPENDITURES				Cash	In-Kind		Amended	Budget	Amended	20 20	lan 1 - lun 30 2	2012	
Objective	Unit Cos	Unit Cost Rate Quantity	Grant	Match	Match	Loan	Loan	Total	Total	Grant Expended	Cash Match	In-kind Expended	Loan Expended
Objective 1: BMP Implementation											Expended		
Best Management Practices			\$ 195,800.00					\$ 195,800.00		•	69		50
burner Strips													STREET, SALES
Open Tile Intake replacement													
Construction Projects													
Drainage Water Management													
Special Projects			The State of the S				SALINE SERVICE MANAGEMENT						
Local Volunteers(Landowners)	25% share				\$ 20,850.00			\$ 20,850,00					
Objective 1 - TOTAL			\$ 195,800.00		\$ 20,850.00 \$			2		\$	s - s		S
Objective 2: Educational Outreach			_										
Educational Materials, Mailings, Workshops			\$ 3,250,00										
Local Volunteers (Landowners)								3,200.00		\$ 55.65			
Lac qui Parle SWCD					\$ 1500.00								
Lac qui Parle Water Management Plan	\$ 35.00	₹			\$ 2,500.00			3 500.00				500,00	
East Dakota Water Development District					\$ 1,500,00								
Objective 2 - TOTAL	-		\$ 3,250.00							\$ 68.85		560.00	\$
Objective 3: Technical Assistance			J										
Salary=Wage + 20% benefits + employer taxes			\$ 56,600.00	\$ 56,600.00						\$ 9.287.24			
LOT NACO	hour	50.00 150	150.00	The second second	\$ 7,500.00			\$ 7,500.00			S	3.800.00	
Objective 3 - TOTAL			\$ 56,600.00	\$ 56,600.00	\$ 7,500.00 \$					\$ 9,287.24		3,800.00	S
Objective 4: Administrative			إ										
Office Supplies			1										
Telephone	Monthly	30.00 ########	\$ 1,080,00										
Lac qui Parle_Yellow Bank Watershed District (Staff & Managers)			-		\$ 23,500,00			\$ 23,500.00		\$ 1,921.50	90.00		
Car qui Faire County (Office Kent, Storage, Customal Services, Office Services)	Monthly	***************************************			\$ 16,500.00						s	1,375.02	
Objective 4 - Total			\$ 2,250.00	•	\$ 40,000.00 \$			\$ 42,250.00		\$ 1,921.50	\$ 90.00 \$		\$
Objective 5: SSTS Loan Program													
Lac qui Parle-Yellow Bank Watershed District			\$ 3,000.00		99	\$ 350,000.00 \$	450,000.00	\$ 353,000.00	\$ 453,000.00				
Yellow Medicine County Lincoln County *					n 60			\$ 120,000.00					
Objective 5 - Total			\$ 3,000.00		8	\$ 570,000.00 \$	670,000.00	\$ 573,000.00	\$ 673,000.00		- 5	-	\$
							The second second						

Change Order 2
Increased LqP-YB Watershed District Ioan amount to \$350,000,00 per SRF0250 executed amendment number 1.

Change Order 3 Increased Lqp-YB Watershed District loan amount to \$450,000.00 and extended loan amendment to 7/30/2016 Lincoln County loan agreement ends 7/30/2015. The original loan amount of \$370,000 will be used as match to the CWP grant.

\$90.00 misrecorded should be a cash match 4-13-2016

## Project title: CWP-12: Protecting North and South Fork Yellow Bank Riv

Protecting North and South Fork Yellow Bank River Lac qui Parle-Yellow Bank Watershed ITEMIZED PROJECT BUDGET AND EXPENDITURES	2012 Jan 1 - Jun 30	-	Jul 1 - Dec 31	Jul 1 - Dec 31	2012 Jul 1	Jul 1 - Dec 31	Jul 1 - Dec 31	2012 Jul 1 - Dec 31	7	Jan 1 - Jun 30	Jan 1 - Jun 30	2013 Jan 1	Jan 1 - Jun 30	Jan 1 - Jun 30	- 1
Objective	Total Expended	_	Grant Expended	Cash Match Expended	In-kind	In-kind Expended L	Loan Expended	Total Expended		Grant Expended	Cash Match	In-kind	In-kind Expended	Loan Expended	pended
Objective 1: BMP Implementation				and the second					-		Expended				
Best Management Practices	€9	-	4,525.00 \$		S			\$ 4.5		2.252.50 \$		60	·		
Buffer Strips	69	- 69	2,925.00			B		\$ 2,92	2,925.00 \$	15000		•			Į.
Construction Projects	<del>69 4</del>		1,000.00					\$ 1,60	1,600.00 \$	160.00					
Drainage Water Management	<i>in</i> (							00							
Special Projects	s e							w 0							
Local Volunteers(Landowners)	en i	,			49	1,331.50	-		1.331.50				NAME OF TAXABLE PARTY.		ı
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Objective 2: Educational Outreach												ő			
Educational Materials, Mailings, Workshops	€0	68.85 \$	70.48		s	2.426.27			6 75						
Local Volunteers (Landowners)	69 6	_	, 0.40		69 6	5,900.00		\$ 5,496.75	0.00			A	205 00		
Lac qui Parle SWCD		560.00	60			70.00			140.00			ia e	105 00		
Lac qui Parle Water Management Plan	40	39	69	70.00	\$	70.00			140.00			60 6	52.50		
East Dakola vyater Development District	•				49	1,521.76		\$ 1,52	1,521.76						
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Objective 3: Technical Assistance		25													
Salary=Wage + 20% benefits + employer taxes	9 69	9,287.24 \$	1,547.87		,	2		\$ 1,547.87	7.87 \$	6,195.40					
Phicatical TOTAL		+			4	3,650,00			0.00			69	2,750.00		
Objective 3 - TOTAL	\$ 13,	13,087.24 \$	1,547.87 \$		50	3,650.00 \$		\$ 5,197.87	7.87 \$	6,195.40 \$		s	2,750.00 \$		
Objective 4: Administrative															
Office Supplies	49	,						60	'						
Telephone		_	29.23					2		42.93					
Lac qui Parle_Yellow Bank Watershed District (Staff & Managers)	3,8	3,843.00 \$	2,850.00		40	2,275.00		\$ 5,125.00	5.00 \$	1,775.00		69	1,015.00		
ac qui Pane County (Office Kent, Storage, Custodial Services,Office Services)		875.02			40	1,375.02		\$ 1,375.02	5.02	250000000000000000000000000000000000000		69	2,900.04		
Objective 4 - Total	\$ 5,0	5,308.02 \$	2,879.23 \$		s	3,650.02 \$		\$ 6,529.25	9.25 \$	1,817.93 \$		49	3,915.04 \$		
Objective 5: SSTS Loan Program															
Lac qui Parle-Yellow Bank Watershed District	69					60	53,041,40	\$ 53,041,40	1.40	3,000.00 \$	750.00				1
Yellow Medicine County	60	27				€9	5,479.60	\$ 5,479.60	_						
Lincoln County *	49														
Objective 5 - Total	S		. \$	•	s		58,521.00	\$ 58,521.00	1.00 \$	3,000.00 \$	750.00	S			
Grand Totals	50	19.024.11 \$	9.022.58 \$	140 00	^	18 610 55 \$	58 521 00	8 96 303 43	243	43 365 63	750.00		7027		П

Change Order 2 Increased LqP-YB Watershed District loan amount to \$350,000.00 per SRF02

Change Order 3 Increased Lqp-YB Watershed District loan amount to \$450,000.00 a Lincoln County loan agreement ends 7/30/2015. The original loan amount of \$

\$25.53 not recorded during reporting period 4-13-2016 \$369.34 not recorded as cash match in reporting period 4-13-2016

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# Project title: CWP-12: Protecting North and South Fork Yellow Bank Ri

24.416.92	\$ 21.209.90 S	s -	\$ 5,312.54		\$ 15,897.36 \$	\$ 166,318.04	138.150.96	4,550.04 \$		23,617.04 \$	Grand Totals \$
				,		\$ 138,150.96	138,150.96	. \$		. \$	Objective 5 - Total \$
						\$ -	\$ 20.000	6			Lincoln County *
						_	-	, ,			Vellow Medicine County
											Objective 5: SSTS Loan Program
3,750.00	\$ 8,572.54 \$	•			\$ 3,750.00 \$	\$ 6,280.04		3,780.04 \$		2,500.00 \$	Objective 4 - Total \$
3,750.00	\$ 5,320.00 \$ 3,252.54		\$ 1,570.00 \$ 3,252.54		\$ 3,750.00	\$ 3,060.00		560.00 3,220.04	en en	2,500.00	Telephone  Lac qui Parle_Yellow Bank Watershed District (Staff & Managers)  Lac qui Parle_Yellow Bank Watershed District (Staff & Managers)  \$ Lac qui Parle County (Office Rent, Storage, Custodial Services, Office Services)
											Objective 4: Administrative
13,518.97	\$ 12,005.06 \$				\$ 12,005.06 \$	\$ 20,870.34			. s	20,870.34 \$	Objective 3 - TOTAL \$
13,518.97	\$ 12,005.06 \$ \$ -				\$ 12,005.06	\$ 20,870.34	40.7-			20,870.34	Salary=Wage + 20% benefits + employer taxes  LqP NRCS
											Objective 3: Technical Assistance
385.45	\$ 632.30 \$		\$ 490.00		\$ 142.30 \$	\$ 836.70		770.00 \$	- 5	66.70 \$	Objective 2 - TOTAL \$
	\$ 210.00		\$ 210.00 \$ 280.00			\$ 770.00		770.00	69		Lac qui Parle SWCD Lac qui Parle Water Management Plan East Dakota Water Development District
385.45	\$ 142.30 \$				\$ 142.30	\$ 66.70	0.45			66.70	Objective 2: Educational Outreach Educational Materials, Mallings, Workshops Local Voluntees of anonymores  \$ Education and Property of the Pr
6,762.50	· · · · · · · · · · · · · · · · · · ·	5	-			\$ 180.00	•			180.00 \$	Objective 1 - TOTAL   \$
											lowners)
5,962.50 800.00						(n (					Buffer Strips Open Tile Intake replacement Construction Projects Drainage Water Management Special Projects
6,762.50			4			\$ 180.00	,	· <del>· ·</del>		180.00 \$	Best Management Practices \$
Grant Expended	Total Expended G	Loan Expended	In-kind Expended	Cash Match Expended	Grant Expended	Total Expended	-	ä		۵	
III 1 - Doo		1 in 30	2014	20 Jan 1 - Jun 30	Jan 1 - Jun 30	2013 Jul 1 - Dec 31	Jul 1 - Dec 31	Jul 1 - Dec 31	2013 Jul 1 - Dec 31	Jul 1 - Dec 31 Ju	Lac qui Parle-Yellow Bank Watershed

Change Order 2 Increased LqP-YB Watershed District loan amount to \$350,000.00 per SRF02

Change Order 3 Increased Lqp-YB Watershed District loan amount to \$450,000,00 a Lincoln County loan agreement ends 7/30/2015. The original loan amount of \$

# Project title: CWP-12: Protecting North and South Fork Yellow Bank Riv

Protecting North and South Fork Yellow Bank River												
ITEMIZED PROJECT BUDGET AND EXPENDITURES	2014 Jul 1 - Dec 31	Jul 1 - Dec 31	Jul 1 - Dec 31	2014 Jul 1 - Dec 31	Jan 1 - Jun 30	2015 Jan 1 - Jun 30	Jan 1 - Jun 30	Jan 1 - Jun 30	2015 Jan 1 - Jun 30	Jul 1 - Dec 31	2015	15
Objective	Cash Match Expended	In-kind Expended L	Loan Expended		Grant Expended		In-kind Expended Loan Expended			Grant Expended		In-kind Expended
Objective 1: BMP Implementation											rapended	
Best Management Practices	50	- 8	. \$	6,762.50	\$ 20,375.26 \$	-	- 8		20,375.26	45,188.56		
Buffer Strips Open Tile Intake replacement Construction Projects			w w w	5,962.50	18,375.26 2,000.00				\$ 18,375.26 \$ 2,000.00	**********		
Drainage Water Management Special Projects												
Local Volunteers(Landowners)		\$ 2,825.35	40	2,825.35		\$	2.689.92	Name and Address of the Owner, where	2 689 92	\$ 23,317.31		\$ 15 180 07
Objective 1 - TOTAL					\$ 20,375.26 \$				23,065.18	\$ 45,188.56		\$ 15,189.07
Objective 2: Educational Outreach												
Educational Materials, Mailings, Workshops			60	385.45	\$ 322.40				\$ 322.40	\$ 508.08		
Local Volunteers (Landowners)												
Lac qui Parle Water Management Plan		\$ 2,097.50	· en e	2,097.50			303.00		\$ 385.00			
Objective 2 - TOTAL	5	\$ 2,161.25 \$		2,546.70	\$ 322.40 \$	. \$	385.00 \$		\$ 707.40 \$	\$ 508.08 \$		
Objective 3: Technical Assistance												
Salary=Wage + 20% benefits + employer taxes LqP NRCS	\$ 4,670.57	\$ 2,700.00	so so	18,189.54 2,700.00	\$ 12,941.90				\$ 12,941.90	\$ 13,588.99 \$	4,529.66	
Objective 3 - TOTAL	\$ 4,670.57	\$ 2,700.00 \$	. s	20,889.54	\$ 12,941.90 \$	. s	- 5		12,941.90	\$ 13,588.99 \$	4,529.66	
Objective 4: Administrative												
Office Supplies	\$ 54.98			54.98	\$ 1.20				1.20	\$ 233,96		
l elephone Lac qui Parle_Yellow Bank Watershed District (Staff & Managers) Lac qui Parle County (Office Rent, Storace, Custodial Services, Office Services)		\$ 1,475.00 \$ 5,725.04	w es es	5,225.00 5,725.04	\$ 3,900.00			V		ယ		
Objective 4 - Total	\$ 54.98			11,005.02	\$ 3,901.20 \$		. s		3,901.20	\$ 4,133.96 \$		
Objective 5: SSTS Loan Program												
Lac qui Parle-Yellow Bank Watershed District		s	62,734.58 \$	62,734.58			\$	24,614.00	\$ 24,614.00			
Yellow Medicine County Lincoln County *			es es						IA 6A			
Objective 5 - Total			62,734.58 \$	62,734.58 \$	\$ - \$		. 5	24,614.00	24,614.00		- 8	
Grand Totals	\$ 4,725.55	\$ 14,886.64 \$	62,734.58 \$	106,763.69 \$	\$ 37,540.76 \$		3,074.92 \$	24,614.00 \$	\$ 65.229.68 \$	\$ 63.419.59 <b>\$</b>	4.529.66	\$ 15 189 07
Objective 2: Local volunteers include other TEAM members attendance at meetings.		- 1		1		1	-	a specialist		00171000	7,020.00	10,100,07

in reporting period 4-13-2016
Change Order 2
Increased LqP-YB Watershed District loan amount to \$350,000.00 per SRF02

Change Order 3 Increased Lqp-YB Watershed District loan amount to \$450,000.00 a Lincoln County loan agreement ends 7/30/2015. The original loan amount of \$

# Project title: CWP-12: Protecting North and South Fork Yellow Bank Ri

\$ 36,491.99				\$ 33,457.61 \$	265,264.76	182,126.44 \$	Grand Totals \$	
		- \$		- 8	182,126.44 \$	182,126.44 \$	S	Objective 5 - Total
	<del>60</del> 60				J1,302:00	\$	4	Lincoln County *
					37 932 00	37 932 00 \$	a sirici	Yellow Medicine County  Yellow Medicine County
							. The state of the	Objective 5: SSTS Loan Program
\$ 1,935.17			3	s	4,133.96	. 5	•	Objective 4 - Total
- 12	46					60.	age, Custodial Services,Office Services)	Lac qui Parle County (Office Rent, Storage, Custodial Services, Office Services)
\$ 1500.00				\$ 1.500.00	3,900,00	ss <del>u</del>	District (Staff & Managers)	Lac qui Parle_Yellow Bank Watershed District (Staff & Managers)
\$ 435.17				\$ 435.17	233.96	• 60		Office Supplies
								Objective 4: Administrative
\$ 13,265.28	•			\$ 13,265.28	18,118.65	- \$	40	Objective 3 - TOTAL
\$ 13,265.28 \$				\$ 13,265.28	18,118.65	en en	ertaxes	Salary=Wage + 20% benefits + employer taxes LqP NRCS
								Objective 3: Technical Assistance
\$ 1,099.21		- 5			508.08		6	Objective 2 - TOTAL
•					è	69	*	East Dakota Water Development District
					i	69 1		Lac qui Parle Water Management Plan
n (n						69 69		Lac qui Parle SWCD
\$ 1,099.21				\$ 1,099.21	508.08	9 69	nops	Educational Materials, Mailings, Workshops
								Objective 2: Educational Outreach
\$ 20,192.33				\$ 20,192.33	60,377.63		5	Objective 1 - TOTAL
					15,189.07	65		Local Volunteers(Landowners)
\$ 1,000,00				\$ 1,000.00	23,317.31	69		Special Projects
						69		Drainage Water Management
					(0	69		Construction Projects
					200.00	69 6		Open Tile Intake replacement
\$ 20,192.33		- 4		20,192.33	45,100.50		9	Buffer Strips
					100000	,	9	Objective 1: BMP Implementation
Total Expended	Loan Expended	In-kind Expended Loan Expended	Cash Match Expended	Grant Expended	Total Expended	Loan Expended		Objective
2016 Jan 1 - Jun 30	Jan 1 - Jun 30	2016 Jan 1 - Jun 30	20 Jan 1 - Jun 30	Jan 1 - Jun 30	2015 Jul 1 - Dec 31	Jul 1 - Dec 31	lershed AND EXPENDITURES	Lac qui Parle-Yellow Bank Watershed ITEMIZED PROJECT BUDGET AND EXPENDITURES
					The second second		rk Yellow Bank River	Protecting North and South Fork Yellow Bank River

Objective 2: Local volunteers include other TEAM members attendance at meetings.

Change Order 2 Increased LqP-YB Watershed District loan amount to \$350,000,00 per SRF02

Change Order 3 Increased Lqp-YB Watershed District loan amount to \$450,000.00 a Lincoln County loan agreement ends 7/30/2015. The original loan amount of \$

Special projects 1,000.00 not reported in 2015 4-13-2016 \$1,376.33 not reported in 2015 4-13-2016

# Project title: CWP-12: Protecting North and South Fork Yellow Bank Ri

Protecting North and South Fork Yellow Bank River											
Lac qui Parle-Yellow Bank Watershed	Cumulative	e Cumulative	Cumulative	Cumulative	_	Cumulative		Rudget Raisance	Budget Balance	Didant Dalana	V.E.
ITEMIZED PROJECT BUDGET AND EXPENDITURES	Grant	_		Loan	7	ă	Grant	Cash Match	In-kind	Loan	Budget Balance Cumulative
Objective					_				H		
Objective 1: BMP implementation					ŀ						
Best Management Practices	\$ 99.476	15 S		•	4	_	38 505 30				
Buffer Strips	\$ 60,425,03	03 \$		59 4	n e	60,405.03	9 30,323,00				\$ 96,323.85
Open Tile Intake replacement	500	00 5		59 4	A 6	4 760.00					
Construction Projects		81 \$		e	0 4	9 793 81					
Drainage Water Management				59 4	, ,	10.001,0					
Special Projects	\$ 24,317.31	31 \$		<b>SP C</b>	,,	24 317 31					
Local Volunteers(Landowners)		ea .	\$ 22,035,84	60		22 035 84	^		(4 405 04)	9	
Objective 1 - TOTAL	\$ 99,476.15	15 \$ -	\$ 22,035.84	5	s	121,511.99	\$ 96.323.85		(1.185.84)		\$ (1,185.84)
Objective 2: Educational Outreach	l										4
Educational Materials, Mailings, Workshops	\$ 2,663,47	47 S	\$ 2,426.27	59	^	5 080 74	52 262		(0.000 04)		
Local Volunteers (Landowners)		<del>60</del>	\$ 6,105,00	\$	59 6	6 105 00	000.00		(6,420.27)		
Lac qui Parle SWCD	<del>69</del>	\$ 70.00	69	69	69 (	2 233 75		770,000 9	(0,105,00)		(6,105.00)
Lac qui Parle Water Management Plan	69	\$ 70.00	0 \$ 2,500.00	59	69	2,570.00		(70.00)	(000,70)	,	100
East Dakota Water Development District	\$ -	45	69	69	60	1.521.76			(21.76)		(00.00)
Objective 2 - IOTAL	\$ 2,663.47	47 \$ 140.00	0 \$ 14,716.78	5	S	17,520.25	586.53	\$ (140.00) \$	(9,	\$ .	\$ (8,770.25
Objective 3: Technical Assistance	ı										
Salary=Wage + 20% benefits + employer taxes	\$ 103,221.05	35 \$ 9,200.23	3 \$	\$	69	112,421.28	(46,621.05)	47,399.77 \$		8	\$ 778 75
Phiertine 3 - TOTAL	1	4	4	-	44	12,900.00 \$		1	(5,400.00)		\$ (5,400.00)
The state of the s	\$ 103,221.00	3,200.23	3 3 12,300.00		5	125,321.28 \$	(46,621.05) \$	47,399.77 \$	(5,400.00)		\$ (4,621.28)
Objective 4: Administrative											
Office Supplies		69	-	<b>5</b>	69	725.31 \$	499.67	(54.98) \$		4	\$ 444.69
scori Dario Vollan Book Michaelos District (State of State of Stat		6 \$ 90.00	69	40	69	162.16	1,007.84	(90.00) \$			\$ 917.84
Lac qui Parle County (Office Rent, Storage, Custodial Services, Office Services)	\$ 25,846.50	en en	\$ 8,816.50	n 60	n 69	34,663.00 \$	(25,846.50) \$		14,683.50		7
Objective 4 - Total	\$ 26,588.99	9 \$ 144.98	S		\$	53,398.17 \$	(24,338.99) \$	(144.98) \$	13.335.80		\$ (11.148.17
Objective 5: SSTS Loan Program	1										
Lac qui Parle-Yellow Bank Watershed District	\$ 3,000,00	0 \$ 750.00	69	\$ 410,860,38	9	414 610 38 6	1	(750 00) 6		-	
Yellow Medicine County		<del>()</del>	<del>69</del>	\$ 55,286,60	_	55 286 60 \$		e (voc.oc.)		_	
Lincoln County *	40	<del>59</del>	69		_					\$ 100,000,00	5 100 000 00
Objective 5 - Total	\$ 3,000.00	0 \$ 750.00	. s	\$ 466,146.98	\$ 86	469,896.98 \$	- 8	(750.00) \$		\$ 203,853.02 \$	
Grand Totals &	als \$ 234.949.66	6 S 10.235.21	\$ 76.316.82	\$ 466,146,98	9						

Change Order 2 Increased LqP-YB Watershed District loan amount to \$350,000.00 per SRF02

Change Order 3 Increased Lqp-YB Watershed District loan amount to \$450,000.00 a Lincoln County loan agreement ends 7/30/2015. The original loan amount of \$

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