

2013 Project Abstract

For the Period Ending June 30, 2016

PROJECT TITLE: Southern Minnesota Lakes Restoration

PROJECT MANAGER: Joshua Mankowski

AFFILIATION: Le Sueur County

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FUNDING SOURCE: Environment and Natural Resources Trust Fund

LEGAL CITATION: M.L. 2013, Chp. 52, Sec. 2, Subd. 05d

APPROPRIATION AMOUNT: \$463,000.00

Overall Project Outcomes and Results

The Grant consisted of 14 projects spread out in a region that covered Le Sueur, Blue Earth and Waseca Counties and provided environmental benefits to a number of different bodies of water.

In Blue Earth County, one project on Madison Lake was completed.

1. Bray Park Ravine Stabilization was a highly visible project that provided reductions of 30.3 T/yr. TSS, 30.3 T/yr. Soil and 34.8 lbs./yr. Phosphorus from entering Madison Lake.

In Waseca County, two shoreline projects were completed on Clear Lake.

2. Clear Lake Park Shoreline Restoration resulted in the reduction of TSS by 37.13 T/yr., Soil by 37.13 T/yr. and Phosphorus by 31.56 lbs./yr.
3. Kanewischer Shoreline Restoration provided reductions of 11.55 T/yr. TSS, 11.55 T/yr. Soil and 9.82 lbs./yr. Phosphorus.

In Le Sueur County, eleven projects were constructed.

Five projects total were completed in the City of Waterville and resulted in reduced pollutant loads to a number of different waterbodies. A stream shoreline stabilization project and two retention areas were constructed along White Water Creek which directly flows into Upper Sakatah Lake. Two large stormwater projects were completed near the City's water tower that discharges to the Cannon River directly before it enters Upper Sakatah Lake.

4. Lions Park retention project reduced TSS by 110.08 T/yr., Soil by 127.05 T/yr. and Phosphorus by 126.59 lbs./yr..

5. Mini Park restoration resulted in reductions of 42.0 T/yr. TSS, 42.0 T/yr. Soil and 48.3 lbs./yr. Phosphorus.
6. Streambank work and retention project at the WEM School District Bus Garage resulted in the reduction of 55.04 T/yr. TSS, 63.53 T/yr. Soil and 63.29 lbs./yr.
7. Water Tower Area (due to their high level of interconnection, reduction numbers for both Water Tower Area and Water Tower A & B are combined, please see below).
8. Water Tower A & B
Reduced TSS by 1.36 T/yr. (72% Removal Efficiency), Soil by 1.36 T/yr. (72% Removal Efficiency) and Phosphorus by 2.35 lbs./yr. (11% Removal Efficiency).

Six additional projects were done throughout Le Sueur County.

9. Vail Ravine Stabilization resulted in reduction loads of 31.43 T/yr. TSS, 31.73 T/yr. Soil and 89.10 lbs./yr. Phosphorus from Upper Sakatah Lake.
10. The Rain Garden located at Lake Washington County Park removes 35.0 T/yr. TSS, 35.0 T/yr. Soil and 40.25 lbs./yr. Phosphorus from stormwater runoff before it ultimately reaches Lake Washington.
11. The Elysian City Park Shoreline Restoration Project on Lake Francis resulted in reductions of 19.620T/yr. TSS, 17.0 T/yr. Soil and 19.62 lbs./yr. Phosphorus
12. The Koppelman Ravine Stabilization provided reductions of 76.5 T/yr. TSS, 153.0 T/yr. Soil and 76.5 lbs./yr. Phosphorus from entering Lake Jefferson.

Wetland enhancements were completed at two Waterfowl Production Areas (WPA). These projects created enhanced areas for waterfowl as well as providing pollutant reductions.

13. The Pruess WPA resulted in reductions of 31.43 T/yr. TSS, 31.43 T/yr. Soil and 47.14 lbs./yr. Phosphorus.
14. Rice Lake WPA enhancements reduced loads by 59.40 T/yr. TSS, 59.40 T/yr. Soil and 89.10 lbs./yr. Phosphorus.

Project Results Use and Dissemination

Information about the projects has been discussed at numerous city, county and lake association meetings. Information on the projects and the grant are posted on Le Sueur County's website and has been submitted to local papers for publication. The City of Waterville will be sending out an informational insert in upcoming water bills. A science teacher at the Waterville public school utilizes the rain garden for his classes. Articles have been published in the Waterville paper about the different projects being constructed. The City also is in the planning stages to hold an on-site open house celebration for the City Water Tower Projects.



Environment and Natural Resources Trust Fund (ENRTF) M.L. 2013 Work Plan Final Report

Date of Status Update Report: Aug 10, 2016

Final Report

Date of Work Plan Approval: Jan 30, 2013

Project Completion Date: June 30, 2016

PROJECT TITLE: Southern Minnesota Lakes Restoration

Project Manager: Joshua Mankowski

Affiliation: Le Sueur County

Mailing Address: 88 South Park Avenue

City/State/Zip Code: Le Center MN 56057-1600

Telephone Number: (507) 357-8540 (metro line)

Email Address jmankowski@co.le-sueur.mn.us

Web Address: <http://www.co.le-sueur.mn.us/>

Location: South Central Minnesota: Blue Earth County, Le Sueur County and Waseca County

Total ENRTF Project Budget:

ENRTF Appropriation: \$463,000.00

Amount Spent: \$431,900.83

Balance: \$31,099.17

Legal Citation: M.L. 2013, Chp. 52, Sec. 2, Subd. 05d

Appropriation Language:

\$463,000 the first year is from the trust fund to the Board of Water and Soil Resources for an agreement with Le Sueur County to install shoreland and agricultural best management practices to improve water quality for up to 14 lakes in a tri-county area in southern Minnesota. This appropriation is available until June 30, 2016, by which time the project must be completed and final products delivered.

I. PROJECT TITLE: Restoring Water Quality on Southern Minnesota Lakes

II. PROJECT STATEMENT:

South Central Minnesota lakes and streams located in Blue Earth, Le Sueur and Waseca Counties provide direct benefits that include hydrologic storage, economic and recreational opportunities and improving water quality. What makes this project significant is that local monitoring efforts have placed project lakes (Lake Emily is scheduled for monitoring in 2013) and several area streams on the Minnesota Pollution Control Agency's 2010 and 2012 draft list of impaired waters to the United States Environmental Protection Agency's (USEPA) 303d list. Impairments listed are for excess nutrients and the bacteria E. Coli. For lakes the impairment of excess nutrients in this case refers to total phosphorus in the water column. The tool to improve water quality is through the Total Maximum Daily Load (TMDL) process which creates implementation plans that address the impaired waters. The TMDL process on these lakes is currently scheduled beyond 2015. Improving water quality will ultimately benefit the local and state economy with positive impacts to water recreation (boating, fishing, swimming, and camping), increased property values, people will want to live near these water resources and improving water quality will improve aquatic and wildlife habitats in the project area.

The overall goal of the three-year project is to improve water quality of 11 Southern Minnesota lakes in the tri-county area. This project is built upon solid integration of diverse local communities working together to ensure project success. The direct outcomes are to complete up to 29 BMPs contracts. The project has high profile public projects which include the City of Waterville with up to 12 restoration projects at seven locations, Waterville Elysian Morristown School District, Waseca City Park on Clear Lake has two projects, Le Sueur County Clear Lake Park, Le Sueur County Lake Washington Park, and Blue Earth County Bray Park on Madison Lake has a ravine stabilization project. One project on the waiting list will enhance a current Minnesota River Conservation Reserve Enhancement Program (CREP) project. The U.S. Fish and Wildlife Service have three parcels with wetland enhancement projects.

BMPs include wetland enhancements, infiltration basins, stream restoration, shoreline restorations and native plantings. Project locations have been prioritized and determined. Maintenance will be addressed through the inspection process. Funding of maintenance will be addressed by landowners through a contract. Maintenance due to damage from abnormal acts of nature will be addressed by each county. Le Sueur County has funding set aside for natural disaster damage. Installing shoreland and agricultural BMPs are listed in project partners' comprehensive local water management plans and Soil and Water Conservation District plans as high priority. Another component of the project that is not requesting funding but goes hand in hand with implementation and dissemination is civic engagement. The civic engagement component offers "learning by doing", it is a powerful tool of instilling a sense of community ownership through citizen participation, informational and educational opportunities and dissemination of information that will involve at least 1000 residents.

The project will achieve its goals and outcomes through a) the relationships between competent local water resource managers that also work closely with the Board of Water and Soil Resources, the project team, active citizens and organizations, b) successful project management and c) successful grant management and c) successful implementation process including inspection process is in place. Civic engagement involves ten area lake associations, the Tri County Coalition of Lake Associations, community members at large, youth groups, organizations, local students, service organizations, Pheasants Forever and the Southern Lakes Chapter of the Minnesota Dark House and Anglers Association are all active partners in civic engagement. Conservation Corp Minnesota will be considered with future Clean Water Funding for maintenance of damage due to disastrous acts of nature.

III. PROJECT STATUS UPDATES:

Activity Status as of July 30, 2013: The project began July 2, 2013. At this time letters are currently being written to landowners of project sites. The grant agreement has not been executed by this report time but BWSR has contacted Le Sueur County regarding the agreement.

Activity Status as of January 31, 2014:

Le Sueur County signed the grant agreement on 9/10/2013. The State signed the grant agreement on 9/16/2013. Contracts were created for the cities, SWCD's and Counties that are participating in the project. A restoration plan document was created and sent to project partners. Four projects have signed contracts: Waterville Mini Park shoreline restoration (starting spring 2014); Lake Washington Park bio-retention was completed and paid out; City of Waseca Clear Lake Park shoreline restoration project #1 is partially completed with partial payment. Clear Lake Park project #2 is under contract.

The Vail ravine structure project had an engineering firm site visit in the fall of 2013, the design is being revised. The Koppelman ravine project also has federal funding and has been on hold since the federal government shutdown. The project will move forward in 2014. The Blue Earth County Bray Park project is moving forward. The Parks Director has met with the contractor to discuss the design of the project. City staff of Elysian met with their consulting firm in the fall of 2013 at the project site to discuss the design. The projects will come under contract in 2014. Remaining projects are being lined up to enter into contract.

Amendment Request (06/12/14):

The amendment request is to revise the budget showing each project and project partners that will receive funding. The work plan was also amended because one project had the project coordination go through a local LGU instead of a federal agency. The federal agency had requested permission to use a non-profit group. The project is now going to be implemented through a local LGU. Amendment was approved on 6/26/14.

Activity Status as of July 30, 2014: Overall, projects are moving forward slowly with wrapping up designs, permitting and contracts. There are two completed projects and three projects with signed contracts. Severe flooding has detained several projects.

Activity Status as of January 31, 2015: The projects are all moving forward. The three projects with signed contracts were completed. Two were paid out in 2014, one will be paid out in January 2015. The Le Sueur SWCD has been in communication with the US Fish and Wildlife Service on two wetland enhancement projects. Waseca SWCD met with the contact for the City of Waseca on their second Clear Lake project. Blue Earth County SWCD is working with Blue Earth Parks Department and the Madison Lake Association on the Bray Park ravine stabilization project. A contract has been signed on the park project. Construction will begin in the spring of 2015. The City of Waterville completed the Mini Park shoreline restoration. The projects by the Waterville city water tower started the engineering process. The engineer determined a way to address a larger area of runoff. Due to the price increase of a larger project. The project manager contacted LCCMR staff to make sure it was ok to move forward with a larger project. The sediment box addition to the design was determined not to be a part of the LCCMR project. Funds will be shifted from the Lions Park shoreline projects that will not be completed due to severe flooding this spring.

Amendment Request (06/17/15): Change Project Manager and contact e-mail address removing Lauren Klement to Joshua Mankowski to reflect staff change.

Approved by LCCMR 6/30/2015

Activity Status as of June 17, 2015: The last activity report was submitted Jan 22, 2015. Due to technical difficulties the report was accepted at the time. June 2015 an error in the previous report was noticed and a

request was received to submit a current update. This update will count as the required July update. Project administration submitted claims. A request for project update was sent to the project partners. During this time no work on the project was completed.

Amendment Request (07/15/15): Change estimate dollar amounts on Acquisition/Restoration list to better reflect current estimate totals. This will allow for funds to be shifted between projects within each Partner's total budget allowing higher priority projects to be completed. Total dollars allotted to each Partner will remain unchanged.

Amendment approved by LCCMR 7/22/2015.

Amendment Request (09/08/15): Change estimate dollar amount on Acquisition/Restoration list to reflect bid total for Rice Lake WPA project. Total dollars allotted to each Partner will also change. The Elysian City Park Project, being constructed by Blue Earth SWCD, came in under bid. Requesting that money be shifted from this project to help cover the increased cost of the Rice Lake WPA, constructed by the Le Sueur Co SWCD. The Rice Lake WPA project received new bids that reflected a much higher cost for the sheet pile required for construction. Any additional expense beyond the grant dollars will be covered by other means.

Amendment approved by LCCMR 9/9/2015.

Activity Status as of January 31, 2016: Work progressed on many of the grant projects over the summer months. The Blue Earth County SWCD completed stabilization work in a ravine that discharges to Madison Lake. Waseca County SWCD completed a shoreland improvement project in Clear Lake Park. They also completed shoreline work at the Kanewischer site. The City of Elysian has completed a shoreline project along Lake Francis; stabilizing the shoreline. Waterville has been making progress on many of their projects. Work on WEM School District property was completed this summer, as well as the Lions Park stream shoreland work. They have made a good deal of progress to complete the Water Tower Area and Water Tower A & B projects. Both of which will be completed very soon. Le Sueur County SWCD has been working with the US Fish and Wild Service and has completed work on the Pruess WPA project and is currently working to complete the Rice Lake WPA project.

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IV. PROJECT ACTIVITIES AND OUTCOMES:

ACTIVITY 1:

Description:

Element 1: Install Shoreland and Agricultural Best Management Practices

Goal 1: Completed contracts for Ag and shoreland Best Management Practices that will improve water quality, reducing TP, TSS and E. Coli in the water column.

Objective 1: Prioritized the 39 shoreland projects to 29 projects by October 1, 2012.

Action 1A: Create prioritizing criteria-Completed.

Action 1B: Prioritize the projects (two selected)-Completed.

Objective 2: Through Technical Assistance, complete project contracts for shoreland BMPs in target areas through Technical Assistance.

Action 2A: Complete project development of restoration plans consistent with conservation and ecological goals for each site.

Action 2B: Use administrative and construction process already in place for cost share.

Action 2C: Respective counties approve contract projects for completion.

Action 2D: Oversee projects: construct and inspect.

Action 2E: Payout process.

Action 2F: Biennial project review throughout project length.

Action 2G: Evaluation of projects will be completed in 2016 and in 2019.

Summary Budget Information for Activity 1:

ENRTF Budget: \$463,000

Amount Spent: \$431,900.83

Activity 1: Installing Best Management Practices-Completion Date: May 31, 2015

Outcome	Completion Date	Budget
1. Prioritize agricultural and shoreland projects.	October 1, 2012	N/A
2. Complete project development of restoration plans consistent with conservation and ecological goals for each site.	July 31, 2013	N/A
3. Complete project contracts for shoreland BMPs in target areas.	May 17, 2016	\$406,600 ENTf
4. Provide Technical Assistance for project oversight.	June 1, 2016	\$56,400

Activity Status as of July 30, 2013: Contract personalized for LCCMR funding and sent out to the project partners for review. Administrative protocol was reviewed. Project partners were informed that they can begin their projects.

Activity Status as of January 31, 2014:

Four contracts were signed after the July 30, 2013 report: two for Waseca Clear Lake Park, one for the City of Waterville Mini Park and Lake Washington County Park. Status update: Lake Washington County Park bio-retention project was completed (\$950 grant, \$3,000 Le Sueur County match); City of Waseca Clear Lake Park #1, shoreline restoration is partially completed with partial payment (\$7,500 for the project and \$562 for Technical); City of Waseca Clear Lake Park project 2 has a signed contract; City of Waterville Mini Park, native planting/shoreline work, contract was signed, the project is slated to start in the spring of 2014. The City of Waterville prioritized their sites and met with engineers on the stormwater retention projects. The City of Elysian began the process of the City Park Shoreline restoration project. City officials met with the consulting firm of Bolten Menk for the design of their project. A contract will be signed in 2014.

The Vail ravine structure project had an engineering firm site visit in the fall of 2013, the design is being revised. The Koppelman ravine project also has federal funding and has been on hold since the federal government shutdown. The project will move forward in 2014. The Blue Earth County Bray Park project is moving forward. The Parks Director has met with the contractor to discuss the design of the project.

Activity Status as of July 30, 2014: No financial activity at this time. Severe flooding throughout the area has detained several projects. Contact has been made with cities and counties and projects and timeline were discussed. The Bray Park ravine project is moving forward with completing the design; construction will begin in the spring of 2015. The Vail ravine project has completed the permitting process and will begin construction this season. The city of Elysian has a signed contract to begin their shoreline project. The difficult spring with high water levels has also put this project on hold. The U.S. Fish and Wildlife Service is currently working with Le Sueur SWCD on contracts for their projects. The Le Sueur SWCD Koppelman project is moving slowly. There have been a few hurdles with this project. We continue to push this project forward.

Activity Status as of January 31, 2015: The Bray Park ravine project (Madison Lake) is now into contract with the Blue Earth County SWCD. Construction will begin spring of 2015. Le Sueur County SWCD completed the Vail (Upper Sakatah Lake) and the Koppelman (Jefferson Lake) ravine projects. Le Sueur SWCD is working with the U.S. Fish and Wildlife Service on two wetland enhancement projects. The project manager has also been in contact with the USFWS. The City of Elysian is under contract for a native planting shoreline (Lake Francis) at the park below the parking lot. The City of Waterville had major setbacks in 2014 with severe flooding. The fall of 2014 brought the projects back on the front burner. The Mini Park shoreline restoration project was completed. The city met with the city engineer and the water tower project area was revised. A larger area of runoff will now be addressed. The rain garden in this area will be a large one. The rain gardens in Lions Park will be constructed in 2015. The shoreline work on Whitewater Creek along the Lions Park will be dropped and the funding for the shoreline work will be moved to the water tower area projects. If there is excess funding after the Waterville projects are completed, there are two projects listed on the restoration list that can be completed. This was discussed with LCCMR staff and approved with the condition of making note of it in the report.

The projects now completed consist of:

1. Lake Washington rain garden
2. Clear Lake Park shoreline
3. Koppelman ravine
4. Vail ravine
5. Waterville Mini Park shoreline

Projects under contract:

1. City of Elysian Park shoreline
2. Clear Lake Park #2 located in Waseca
3. Two USFWS projects
4. City of Waterville Lions Park
5. City of Waterville Water Tower Projects

The Waterville Elysian Morristown School District shoreline project is working towards a contract.

Activity Status as of July 30, 2015: Construction of the ravine stabilization project in Bray Park is planned for this year. The Blue Earth SWCD handled the grant contract the Blue Earth County Board signed last year. The project has been designed by the South Central Technical Service Area (SC TSA) at the Blue Earth County SWCD. The Blue Earth County Public Works/Parks Department will be hiring a contractor to do the work and is coordinating grant-funded activities with the SWCD and SC TSA. The City of Waterville Water Tower Projects are out for bid. Clear Lake Park #2 is slated to be completed this Fall. Waseca SWCD is currently in the process of finalizing a contract for the Kanewischer shoreline. The USFW projects handled by the Le Sueur SWCD are currently active and are planned to be completed Summer 2015. The Lake Frances Association is currently working with the City of Elysian coordinating the shoreline project.

The projects now completed consist of:

1. Lake Washington rain garden
2. Clear Lake Park shoreline
3. Koppelman ravine
4. Vail ravine
5. Waterville Mini Park shoreline

Projects under contract:

1. City of Elysian Park shoreline
2. Clear Lake Park #2 located in Waseca
3. Two USFWS projects
4. City of Waterville Lions Park
5. City of Waterville Water Tower Projects
6. City of Waterville School
7. Bray Park

Activity Status as of January 31, 2016: Construction was completed on a number of the projects this late Summer/Fall. These projects include the City of Elysian Park shoreline, Clear Lake Park #2 in Waseca, Pruess WPA site, Bray Park in Blue Earth County, City of Waterville Lions Park and City of Waterville School. Work is currently being done at the remaining Department of Fish and Wildlife Service site, Rice Lake WPA. This work will continue through the winter as weather permits and will be completed in the spring. The work being done at the City of Waterville Tower Area and Tower A & B sites is almost completed.

The projects now completed consist of:

1. Lake Washington rain garden
2. Clear Lake Park shoreline
3. Koppelman ravine
4. Vail ravine
5. Waterville Mini Park shoreline
6. City of Elysian Park shoreline
7. Clear Lake Park #2 located in Waseca
8. City of Waterville Lions Park
9. City of Waterville School
10. Bray Park
11. Preuss WPA

Projects under contract:

1. Rice Lake WPA
2. City of Waterville Water Tower Projects

Final Report Summary: Construction was completed on all the planned projects. Work was not done on any of the secondary sites. There were a number of complications throughout the grant period, the largest being the flooding of 2014. The flooding pushed back the start of a number of the projects. This delay caused a number of the projects cost to rise because of an increase in construction cost and labor.

The projects now completed consist of:

1. Lake Washington rain garden – Helps treat stormwater runoff through retention, infiltration and evapotranspiration from the camping area
2. Clear Lake Park shoreline – Addressed an area of shoreline that had erosion issues and provides a more natural environment.
3. Koppelman ravine – Address a ravine erosion issue from depositing sediment directly into Lake Jefferson.
4. Vail ravine – Address a ravine erosion issue from depositing sediment directly into Upper Sakatah Lake.
5. Waterville Mini Park shoreline – Mini bank restoration projects along Whitewater Creek.
6. City of Elysian Park shoreline – Shoreline restoration project on Lake Francis.
7. Clear Lake Park #2 located in Waseca – Shoreline restoration project on Clear Lake.
8. City of Waterville Lions Park – Rain garden.
9. City of Waterville School – Water retention and infiltration area
10. Bray Park – Ravine stabilization that flows into Madison Lake.
11. Preuss WPA – Wetland restoration in Lake Tetonka watershed.
12. Rice Lake WPA – Wetland restoration on the south side on Rice Lake.
13. City of Waterville Water Tower Projects – Reroute stormwater to constructed rain garden and infiltration basin.

The completion of these projects will have a lasting impact on the runoff to their respected waterbodies. The different projects address a gamut of stormwater issues from gully and shoreline erosion to infiltration and treatment. These projects will contribute to efforts to address water impairment issues and concerns that have been identified in TMDL and WRAPS documents for these areas. The biggest issue with completing these projects was flooding. Just as many of the different projects were slated to begin, the area received a large rain event that caused widespread flooding. Everyone needed to shift to emergency management and needed to immediately address the many issues that come with flooding. Only once the recovery process started coming to an end in the flooded areas were the projects started. This pushed back timelines and in some cases drove up project costs. For some of the projects, additional funds were obtained through other means to defray the increases in project costs.

Some projects were also slightly downgraded to reduce the cost. The Mini Parks projects in the City of Waterville were one of these projects. The City wished to do more restoration work along the Whitewater Creek but funding needed to be shifted to the Tower Projects. Three of the projects that were done by the Le Sueur Co SWCD also had funding shift. The Buns Easement was funded by a different source, so the money set aside for this project was shifted to help defray the rising cost associated with the Pruess WPA restoration. All in all, the cooperating LGUs working under this grant completed their planned work to the best possible extent. The completed projects will have a lasting impact on water quality and help address identified issues in their respected areas.

Match funds for many of these projects were provided on a 75:25 match bases. The grant provided for 75% of the project cost with the remaining 25% being covered by either other funds or in-kind work. The SWCDs were not required to provide a match for their projects but match was still provided through the use of other funding sources for many of the project. In-kind time was also document for use as match. When possible, city staff and equipment was utilized to reduce project costs.

The remaining balance is the result of unused funds adding up from the different partners. Some projects did not utilize TA dollars and a couple of projects were complete under budget. With one exception, no budgeted funds were shifted between partners over the grant period. Some funds were shifted from the City of Elysian shoreline project to the Le Sueur SWCD to offset an increased cost for the Rice Lake WPA project. In the end, these funds were not needed.

ACTIVITY 2:

Description: (In-Kind only)

Element 2 Civic Engagement and Education

Goal 2: Engaged citizens through project participation and input in watershed management.

Objective 3: Organize volunteers for community projects.

Action 3A: Respective partners will create a list and contact volunteers and organizations.

Action 3B: Contact interested participants with scheduling options.

Action 3C: Determine dates and time for project participation.

Action 3D: Follow up with volunteers (reminder) prior to scheduled date.

Action 3E: Create task list.

Action 3F: Conduct volunteer participation project.

Objective 4: Conduct one Waterville project celebration event at a restored site in Waterville by May 2016.

Action 4A: Develop plan and event agenda.

Action 4B: Locate the completed project area to hold the event.

Action 4C: Advertise.

Action 4D: Promote through Lake Association newsletters and e-mail contacts and city newsletters/website.

Action 4E: Conduct event.

Action 4F: Gather information.

Action 4G: Create report.

Objective 5: Engage at least 1000 citizens in watershed management through lake association meetings, activities, news releases, newsletters and events.

Action 5A: Conduct Lake Association Board meetings and annual meetings.

Action 5B: Organize and conduct lake association activities and newsletters.

Action 5C: Report activities to the project coordinator.

Summary Budget Information for Activity 2: In-kind only

ENRTF Budget: \$ 0.00

Amount Spent: \$ 0

Balance: \$0.00

Activity Completion Date:

Outcome	Completion Date	Budget
1. Organize volunteers for community projects and project participation.	May 2015	\$4,114 in kind
2. Conduct one Waterville project celebration event at a restored site in Waterville by project end.	May 15, 2016	\$3,250 in kind
3. Engage, educate and inform 1000 citizens in watershed management through lake association meetings, activities, news releases, newsletters and events.	May 15, 2016	\$55,384 in kind

Activity Status as of July 30, 2013: A meeting was set up for August 1, 2013 with the City of Waterville to begin the process of initiating their projects. Civic organizing will be discussed at this meeting.

Activity Status as of January 31, 2014: The City of Waterville is currently working on the organization of community volunteers for 2014.

Activity Status as of July 30, 2014: Severe flooding in Waterville has detained their projects and planning of civic engagement.

Activity Status as of January 31, 2015: The projects are moving forward. The future holds news releases lake association newsletters and a celebration event in Waterville in 2016. The Lake Francis Association is organizing volunteers to plant the park shoreline in Elysian. The project manager will write news releases to the local newspapers.

Activity Status as of July 30, 2015: The City will coordinate volunteers for project participation in 2015. A celebration is still being planned to be held in 2016. The Lake Associations continue to work with and educate citizens on watershed management.

Activity Status as of January 31, 2016: Volunteers were used by the City of Waterville to complete work on their projects. The Lake Associations continue to work with and educate citizens on watershed management. As the grant comes to an end and the projects all near completion, the project manager will write news releases to the local newspapers.

Final Report Summary: Throughout the grant period, work has been done to inform local citizens of the work being done under the grant agreement and to utilize local sources and volunteer work when applicable. Projects were discussed at different lake meetings. Funds were used from other sources (local, County and City) to offset the cost of final projects. Local volunteers were used on projects done in the City of Waterville.

V. DISSEMINATION:

Description:

Dissemination of the project will take place through Lake Association meetings, newsletters, and news releases to local newspapers, Waterville city water bill, the civic engagement component of the project, and promoted on project partners' websites:

Le Sueur County website at <http://www.co.le-sueur.mn.us/EnvironmentalServices.html>

Le Sueur SWCD: <http://lesueurswcd.org/>

Waseca SWCD: <http://wasecaswcd.org/>

Blue Earth SWCD: <http://blueearthswcd.org/>

Activity Status as of July 30, 2013: This portion of the project has yet to be set up.

Activity Status as of January 31, 2014: This portion of the project will begin as more projects are completed.

Activity Status as of July 30, 2014: This portion of the project will begin as more projects are completed.

Activity Status as of January 31, 2015: This portion of the project will begin in 2015 to May 2016.

Activity Status as of June 17, 2015: This portion of the project will begin in the very near future and completed by May 2016.

Activity Status as of January 31, 2016: The portion of the project will be completed in the first half of this year and will be completed by May 2016.

Final Report Summary: July 15, 2016: Information on the projects was distributed during numerous meetings with residents and lake associations. One of the projects has an information sign describing the project and informing people where the funds originated. Information on the project completion is published on the County's website and was sent to local newspapers. The City of Waterville will be sending out an informational insert in upcoming water bills. A science teacher at the Waterville public school utilizes the rain garden for his classes. Articles have been published in the Waterville paper about the different projects being constructed. The City also is in the planning stages to hold an on-site open house celebration for the City Water Tower Projects.

VI. PROJECT BUDGET SUMMARY:

A. ENRTF Budget:

Budget Category	\$ Amount	Explanation
Other: 75%/25% cost share on Best Management Practices (BMP) installation, Technical Assistance	406,600	ENRTF funds will go towards installation of best management practices through 75/25 % cost share/in-kind to the following LGU's: Le Sueur County, Le Sueur SWCD, Waseca SWCD, Blue Earth SWCD, City of Elysian, and City of Waterville.
Other: Technical Assistance by Soil and Water Conservation District, City and County staff for project oversight	56,400	ENRTF funds will provide technical assistance and project oversight for shoreland and ag BMP projects to Le Sueur County, Le Sueur SWCD, Waseca SWCD, Blue Earth SWCD, City of Elysian, and City of Waterville.
TOTAL ENRTF BUDGET:	\$463,000	

Explanation of Use of Classified Staff: N/A

Explanation of Capital Expenditures Greater Than \$3,500: N/A

Number of Full-time Equivalent (FTE) funded with this ENRTF appropriation: N/A

Number of Full-time Equivalent (FTE) estimated to be funded through contracts with this ENRTF appropriation: N/A

B. Other Funds:

Source of Funds	\$ Amount Proposed	\$ Amount Spent	Use of Other Funds
Non-state			
Waterville Lakes Association	\$500.00	\$770.13	BMP Category
Minnesota Dark House and Anglers Association	\$250.00	\$0.00	BMP Category
Le Sueur County	\$3,000.00	\$3,000.00	BMP Category
New Prague Sportsman Assoc.	\$1,500.00	\$1,500.00	BMP Category, additional funds for Rice Lake WPA project.
Montgomery Sportsman Assoc.	\$3,000.00	\$3,000.00	BMP Category, additional funds for Rice Lake WPA project.
MWA Le Sueur Scott	\$5,000.00	\$5,000.00	BMP Category, additional funds for Rice Lake WPA project.
MWA Cedar Lake	\$4,000.00	\$4,000.00	BMP Category, additional funds for Rice Lake WPA project.
TOTAL OTHER FUNDS:	\$ 17,250.00	\$ 17,270.13	

VII. PROJECT STRATEGY:

A. Project Partners:

Project participation receiving funds through the Environment and Natural Resources Trust Fund (ENRTF):

*This table represents the funds that are requested by the Local Unit of Government to complete all projects.

LGU	Amended Amount Received
Le Sueur County	\$4,494
Le Sueur SWCD	\$154,622
Waseca SWCD	\$36,148
Blue Earth SWCD	\$46,000
City of Waterville	\$207,126
City of Elysian	\$14,610

Project partners financially supporting the project with cash match:

- Waterville Lakes Association
- Southern Lakes Chapter of the Minnesota Dark House and Anglers Association
- Le Sueur County

Partners supporting the project through in-kind

- City of Waterville
- Waterville Lakes Association
- Waseca Lakes Association
- Madison Lake Watershed and Lake Association
- Tri County Coalition of Lake Associations
- Boy and Girl Scouts
- Students and School District
- 4-H
- Chamber of Commerce members
- Community members at large
- Faith based youth groups

Partners supporting the project but have in-kind committed to other projects:

- Le Sueur County Pheasants Forever Chapter

B. Project Impact and Long-term Strategy: The importance of this project is that monitoring efforts has placed project lakes on the USEPA impaired waters list. Previous projects in the area include Clean Water Partnership Assessment projects in each county on watersheds and lakes. Surface Water Assessment projects have been completed on assorted lakes and watersheds. Counties and SWCD’s have also been partners in 319 implementation grants. This project is carrying the citizen momentum to clean up our lakes and streams from previous assessment projects. This project will also benefit the TMDL implementaton process. This is a project that will allow project partners to begin to improve water quality now.

C. Spending History:

Funding Source	M.L. 2007 or FY08	M.L. 2008 or FY09	M.L. 2009 or FY10	M.L. 2010 or FY11	M.L. 2011 or FY12-13
Not Applicable					

VIII. ACQUISITION/RESTORATION LIST: See Acquisition/Restoration List attachment

IX. MAP: See attached map

X. RESEARCH ADDENDUM: N/A

XI. REPORTING REQUIREMENTS:

Periodic work plan status update reports will be submitted not later than January 31, 2014, 2015, 2016; July 30 2013, 2014, 2015; and July 15, 2016 for the final report. A final report and associated products will be submitted between June 30 and August 15, 2016 as requested by the LCCMR.

Final Attachment A: Budget Detail for M.L. 2013 Environment and Natural Resources Trust Fund Projects					
Project Title: <i>Southern MN Lakes Restoration</i>					
Legal Citation: <i>M.L. 2013, Chp. 52, Sec. 2, Subd. 05d</i>					
Project Manager: <i>Joshua Mankowski</i>					
M.L. 2013 ENRTF Appropriation: \$ 463,000					
Project Length and Completion Date: June 1, 2013 to June 30, 2016					
Date of Update: Aug 10, 2016					
ENVIRONMENT AND NATURAL RESOURCES TRUST FUND BUDGET	Revised Activity 1 Budget (approved 9/9/2015)	Amount Spent (cumulative)	Balance	TOTAL BUDGET	TOTAL BALANCE
BUDGET ITEM	<i>Install Shoreland and Ag BMPs</i>				
Professional/Technical/Service Contracts <i>75%/25% cost share on Best</i>					
Le Sueur County	\$ 4,200.00	\$ 950.00	\$ 3,250.00	\$ 4,200.00	3,250
Le Sueur SWCD	\$ 126,908.00	\$ 116,890.64	\$ 10,017.36	\$ 126,908.00	10,017
Blue Earth SWCD	\$ 36,000.00	\$ 32,975.52	\$ 3,024.48	\$ 36,000.00	3,024
Waseca SWCD	\$ 33,146.00	\$ 33,063.18	\$ 82.82	\$ 33,146.00	83
City of Waterville	\$ 193,346.00	\$ 193,331.99	\$ 14.01	\$ 193,346.00	14
City of Elysian	\$ 13,000.00	\$ 7,746.00	\$ 13,000.00	\$ 13,000.00	5,254
Total	\$ 406,600.00	\$ 384,957.33	\$ 29,388.67	\$ 406,600.00	21,643
Other: Technical Assistance for Soil and Water Conservation District, City and County staff for oversight of ag and shoreland projects					
Le Sueur County	\$ 294.00	\$ 66.50	\$ 227.50	\$ 294.00	227.50
Le Sueur SWCD	\$ 27,714.00	\$ 25,714.00	\$ 2,000.00	\$ 27,714.00	2,000
Blue Earth SWCD	\$ 10,000.00	\$ 10,000.00	\$ -	\$ 10,000.00	0
Waseca SWCD	\$ 3,002.00	\$ 2,321.00	\$ 681.00	\$ 3,002.00	681
City of Waterville	\$ 13,780.00	\$ 8,842.00	\$ 4,938.00	\$ 13,780.00	4,938
City of Elysian	\$ 1,610.00	\$ -	\$ 1,610.00	\$ 1,610.00	1,610
Total	\$ 56,400.00	\$ 46,943.50	\$ 9,456.50	\$ 56,400.00	9,457
COLUMN TOTAL	\$463,000	\$431,900.83	\$38,845	\$463,000	31,099.17

Environment and Natural Resources Trust Fund
M.L. 2013 Acquisition/Restoration List

Project Title: Restoring Water Quality on Fourteen Southern Minnesota Lakes

Project Manager Name: Joshua Mankowski














M.L. 2013 ENRTF Appropriation: \$ 463,000

#	Acquisition or Restoration Parcel Name	Estimated Cost (approved 9/9/2015)	County	Ecological Significance	# of Acres	# of Shoreline Miles	Type of Landowner	Proposed Fee Title or Easement Holder (if applicable)	Status
1	Vail	\$ 23,000.00	Le Sueur	Ravine	1.4	0.05	Private	N/A	Completed
2	Vail	\$ 23,000.00	Le Sueur	Ravine	2.2	0.05	Private	N/A	Completed
3	Bray Park (Blue Earth County)	\$ 56,000.00	Blue Earth	Ravine	102	0.3	Public	N/A	Completed
4	Clear Lake Park (Waseca County)	\$ 17,000.00	Waseca	Lake shoreland	0.5	0.1	Public	N/A	Completed
5	Waterville Mini Park	\$ 14,000.00	Le Sueur	Stream shoreland	0.15	0.02	Public	N/A	Completed
6	Waterville Tower A & B	\$ 95,100.00	Le Sueur	River shoreland	1.2	0.04	Public	N/A	Completed
7	WEM School District	\$ 14,700.00	Le Sueur	Stream shoreland	0.88	0.06	Public	N/A	Completed
8	Waterville Lions Park	\$ 27,667.00	Le Sueur	Stream shoreland	0.13	0.01	Public	N/A	Secondary site, will not be completed
9	Waterville Lions Park	\$ 27,666.00	Le Sueur	Stream shoreland	0.5	0.06	Public	N/A	Secondary site, will not be completed
10	Waterville Lions Park	\$ 17,667.00	Le Sueur	Stream shoreland	0.25	0.07	Public	N/A	Secondary site, will not be completed
11	Waterville Lions Park	\$ 15,000.00	Le Sueur	Stream shoreland	0.5	0.05	Public	N/A	Completed
12	Waterville Tower Area	\$ 117,760.00	Le Sueur	Stream shoreland	0.1	0.01	Public	N/A	Completed
13	Waterville Lagoon Area	\$ 21,000.00	Le Sueur	Stream shoreland	0.77	0.17	Public	NA	Secondary site, will not be completed
14	Waterville Park by Post Office	\$ 42,000.00	Le Sueur	Lake shoreland	0.01	NA	Public	N/A	Project is on hold
15	Lake Washington Park (Le Sueur County)	\$3,950.00 (\$950.00 grant)	Le Sueur	Lake shoreland	0.05	NA	Public	N/A	Project completed.
16	Clinton LWIA Site #7	\$ 30,000.00	Le Sueur	Lake upland drains to shoreland	50	NA	Private	Clinton	Secondary site, will not be completed
17	Clear Lake Park (Le Sueur County)	\$ 15,800.00	Le Sueur	Lake shoreland	0.11	0.08	Public	N/A	Secondary site, will not be completed
18	Rays Lake Park (Le Sueur County)	\$ 6,000.00	Le Sueur	Lake shoreland	0.4	0.11	Public	N/A	Secondary site
19	Elysian City Park	\$13,000.00	Le Sueur	Lake shoreland	0.01	0.01	Public	N/A	Completed
20	Bruns Easement	\$0.00	Le Sueur	Wetland to Lake	2	NA	Public	USFWS	Project will not be funded with LCCMR Money
21	Pruess WPA	\$ 16,000.00	Le Sueur	Wetland to River to Lake	4	NA	Public	USFWS	Completed
22	Rice Lake WPA	\$ 74,000.00	Le Sueur	Wetland to Lake	15	NA	Public	USFWS	Completed
23	Koppelman, L	\$ 13,500.00	Le Sueur	Ravine	0.25	NA	Private	N/A	Completed
24	Kanewischer	\$ 8,900.00	Waseca	Lake shoreland	0.14	0.04	Private	N/A	Completed

Southern Minnesota Lakes Restoration

M.L. 2013, Chp. 52, Sec. 2, Subd. 05d

Project Locations

-  (1) Bray Park Ravine Stabilization
-  (2) Clear Lake Park
-  (3) Kanewischer Shoreline Restoration
-  (4) Lions Park
-  (5) Mini Park
-  (6) WEM School District
-  (7 & 8) Tower Projects
-  (9) Vail Ravine Stabilization
-  (10) Lake Washington Park
-  (11) Elysian City Park
-  (12) Koppelman Ravine Stabilization
-  (13) Pruess WPA
-  (14) Rice Lake WPA



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