



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

**Date of Status Update Report:** June 17, 2013

**Date of Next Status Update Report:**

**Date of Work Plan Approval:** June 25, 2013

**Project Completion Date:** June 30, 2016

**Is this an amendment request?** No

**PROJECT TITLE:** Southern Minnesota Lakes Restoration

**Project Manager:** Lauren Klement

**Affiliation:** Le Sueur County

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

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

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

<b>Total ENRTF Project Budget:</b>	<b>ENRTF Appropriation:</b>	<b>\$463,000</b>
	<b>Amount Spent:</b>	<b>\$0</b>
	<b>Balance:</b>	<b>\$463,000</b>

**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 January 31, 2013:**

**Activity Status as of July 30, 2013:**

**Activity Status as of January 31, 2014:**  
**Activity Status as of July 30, 2014:**  
**Activity Status as of January 31, 2015**  
**Activity Status as of July 15, 2015**  
**Activity Status as of January 31, 2016**  
**Final Report Summary: July 15, 2016**

#### 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: Biannual 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: \$ 0**

**Balance: \$463,000**

##### 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 January 31, 2013:**

**Activity Status as of July 30, 2013:**

**Activity Status as of January 31, 2014:**

**Activity Status as of July 30, 2014:**

**Activity Status as of January 31, 2015**

**Activity Status as of July 30, 2015**

**Activity Status as of January 31, 2016**

**Final Report Summary: July 15, 2016**

##### ACTIVITY 2:

**Description:****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:****ENRTF Budget:** \$ 0.00**Amount Spent:** \$ 0**Balance:** \$0.00**Activity Completion Date:**

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

**Activity Status as of January 31, 2013:****Activity Status as of July 30, 2013:****Activity Status as of January 31, 2014:****Activity Status as of July 30, 2014:****Activity Status as of January 31, 2015****Activity Status as of July 30, 2015****Activity Status as of January 31, 2016****Final Report Summary: July 15, 2016****V. DISSEMINATION:****Description:**

Dissemination of the project will take place through Lake Association meetings, newsletters, 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 January 31, 2013:**

**Activity Status as of July 30, 2013:**

**Activity Status as of January 31, 2014:**

**Activity Status as of July 30, 2014:**

**Activity Status as of January 31, 2015**

**Activity Status as of July 30, 2015**

**Activity Status as of January 31, 2016**

**Final Report Summary: July 15, 2016**

## **VI. PROJECT BUDGET SUMMARY:**

### **A. ENRTF Budget:**

<b>Budget Category</b>	<b>\$ Amount</b>	<b>Explanation</b>
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/inkind.
Other: Technical Assistance by Soil and Water Conservation District and County staff for project oversight	5,6400	ENRTF funds will provide technical assistance and project oversight for shoreland and ag BMP projects.
<b>TOTAL ENRTF BUDGET:</b>	<b>\$463,000</b>	

**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:**

<b>Source of Funds</b>	<b>\$ Amount Proposed</b>	<b>\$ Amount Spent</b>	<b>Use of Other Funds</b>
<b>Non-state</b>			
Waterville Lakes Association	\$500	\$0.00	BMP Category
Minnesota Dark House and Anglers Association	\$250	\$0.00	BMP Category
Le Sueur County	\$3,000	\$0.00	BMP Category
<b>TOTAL OTHER FUNDS:</b>	<b>\$ 3,750</b>	<b>\$</b>	

## **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.

<b>LGU</b>	<b>Amount Receiving</b>
Le Sueur County	\$ 29,561
Le Sueur SWCD	\$ 59,333
Waseca SWCD	\$ 39,158
Blue Earth SWCD	\$ 46,000
City of Waterville	\$ 227,110
City of Elysian	\$ 13,838
USFWS	\$ 48,000
<b>Total Grant</b>	<b>\$ 463,000</b>

List of project partners indirectly receiving funds through respective LGU's through the Environment and Natural Resources Trust Fund (ENRTF):

<b>Name</b>	<b>Amount based on estimates</b>
Waterville Elysian Morristown School District	\$10,414
Lake Washington Improvement Association	Is on the waiting list

List of private project Partners indirectly receiving funds through the Environment and Natural Resources Trust Fund (ENRTF):

<b>Name</b>	<b>Amount based on estimate</b>
L Koppelman (ravine)	\$10,000
Vail (ravine)	\$30,267
Kanewischer (shoreland restoration)	\$6,326

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 implementation process. This is a project that will allow project partners to begin to improve water quality now.

**C. Spending History:**

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

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

**IX. MAP:** See Page 8

**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.

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

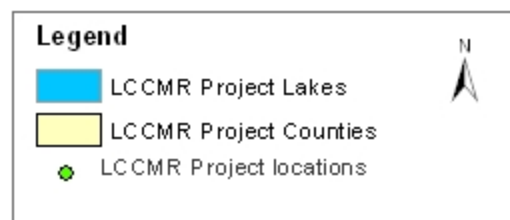
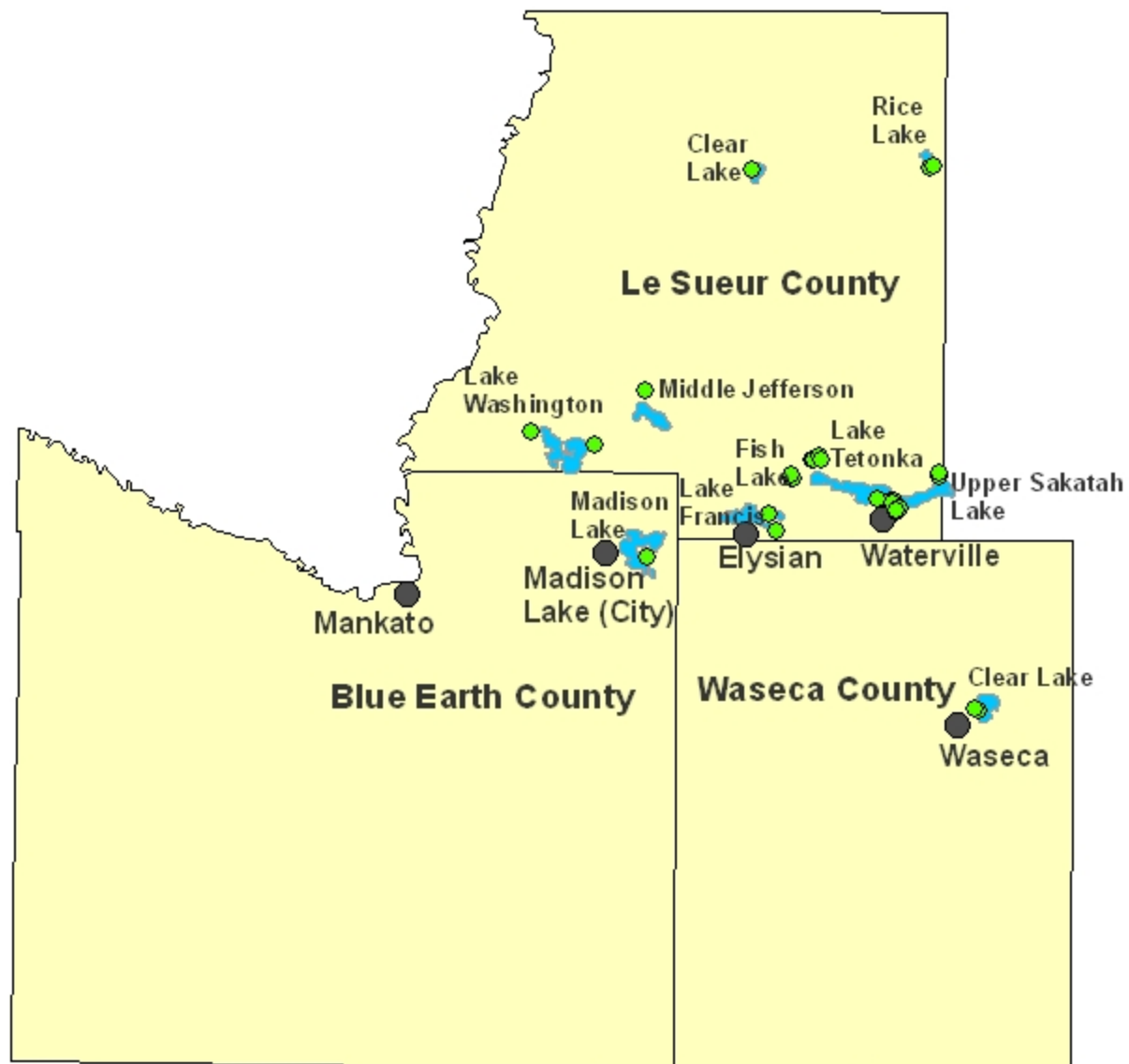
#	Acquisition or Restoration Parcel Name	Geographic Coordinates		Estimated Cost	Estimated Annual PILT Liabilities	County	Ecological Significance	Activity Description	# of Acres	# of Shoreline Miles	Type of Landowner	Proposed Fee Title or Easement Holder (if applicable)	Status
		Latitude	Longitude										
1	Vail	44.238236	-93.525727	\$ 23,000	N/A	Le Sueur	Ravine	Ravine stabilization to Sakatah	1.4	0.05	Private	N/A	Obtain contract signature upon funding
2	Vail	44.237698	-93.525565	\$ 23,000	N/A	Le Sueur	Ravine	Ravine stabilization to Sakatah	2.2	0.05	Private	N/A	Obtain contract signature upon funding
3	Bray Park (Blue Earth County)	44.1866339	-93.7988407	\$ 56,000	N/A	Blue Earth	Ravine	Ravine stabilization to Madison La	102	0.3	Public	N/A	Obtain contract signature upon funding
4	Clear Lake Park (Waseca County)	44.08469	-93.4947	\$ 17,000	N/A	Waseca	Lake shoreland	Shoreline restoration and infiltration basin	0.5	0.1	Public	N/A	Obtain contract signature upon funding
5	Waterville Mini Park	44.216864	-93.566535	\$ 19,590	N/A	Le Sueur	Stream shoreland	Shoreline restoration	0.15	0.02	Public	N/A	Obtain contract signature upon funding
6	Waterville Tower A & B	44.221788	-93.570227	\$ 51,000	N/A	Le Sueur	River shoreland	Route impervious surface, infiltration basin	1.2	0.04	Public	N/A	Obtain contract signature upon funding
7	WEM School District	44.218119	-93.562982	\$ 14,700	N/A	Le Sueur	Stream shoreland	Water retention, infiltration	0.88	0.06	Public	N/A	Obtain contract signature upon funding
8	Waterville Lions Park	44.216489	-93.566584	\$ 27,667	N/A	Le Sueur	Stream shoreland	Stream/shoreline restoration, infiltration, native planting	0.13	0.01	Public	N/A	Obtain contract signature upon funding
9	Waterville Lions Park	44.216152	-93.566814	\$ 27,666	N/A	Le Sueur	Stream shoreland	Stream/shoreline restoration, infiltration, native planting	0.5	0.06	Public	N/A	Obtain contract signature upon funding
10	Waterville Lions Park	44.215802	-93.567194	\$ 17,667	N/A	Le Sueur	Stream shoreland	Stream/shoreline restoration, infiltration, native planting	0.25	0.07	Public	N/A	Obtain contract signature upon funding
11	Waterville Lions Park	44.215751	-93.566803	\$ 10,000	N/A	Le Sueur	Stream shoreland	Stream/shoreline restoration, infiltration basin, native planting	0.5	0.05	Public	N/A	Obtain contract signature upon funding
12	Waterville Tower Area	44.221591	-93.5708590	\$ 62,000.00	N/A	Le Sueur	Stream shoreland	Storm sewer retention basin	0.1	0.01	Public	N/A	Obtain contract signature upon funding
13	Waterville Lagoon Area	44.221911	-93.585096	\$ 21,000.00	N/A	Le Sueur	Stream shoreland	Native restoration	0.77	0.17	Public	NA	Obtain contract signature upon funding
14	Waterville Park by Post Office	44.220049	-93.567852	\$ 42,000.00	N/A	Le Sueur	Lake shoreland	Storm sewer retention basin	0.01	NA	Public	N/A	Obtain contract signature upon funding



15	Lake Washington Park (Le Sueur County)	44.26751	-93.900384	\$ 4,200.00	N/A	Le Sueur	Lake shoreland	Retention basin	0.05	NA	Public	N/A	Obtain contract signature upon funding
16	Clinton LWIA Site #7	44.258765	-93.842704	\$ 30,000.00	N/A	Le Sueur	Lake upland drains to shoreland	Enhancement of permanent conservation easement	50	NA	Private	Clinton	Obtain contract signature upon funding
17	Clear Lake Park (Le Sueur County)	44.439247	-93.7011210	\$ 15,800.00	N/A	Le Sueur	Lake shoreland	Shoreline restoration	0.11	0.08	Public	N/A	Obtain contract signature upon funding
18	Rays Lake Park (Le Sueur County)	44.212945	-93.6835710	\$ 6,000.00	N/A	Le Sueur	Lake shoreland	Shoreline enhancement	0.4	0.11	Public	N/A	Obtain contract signature upon funding
19	Elysian City Park	44.20215	-93.6779730	\$ 23,000.00	N/A	Le Sueur	Lake shoreland	Shoreline/water retention	0.01	0.01	Public	N/A	Obtain contract signature upon funding
20	Bruns Easement	44.236366	-93.6627440	\$ 8,000.00	N/A	Le Sueur	Wetland to Lake	Wetland Enhancement	2	NA	Public	USFWS	Obtain contract signature upon funding
21	Pruess WPA	44.249078	-93.641345	\$ 16,000.00	N/A	Le Sueur	Wetland to River to Lake	Wetland Enhancement	4	NA	Public	USFWS	Obtain contract signature upon funding
22	Rice Lake WPA	44.441741	-93.5364290	\$ 40,000.00	N/A	Le Sueur	Wetland to Lake	Wetland enhancement	15	NA	Public	USFWS	Obtain contract signature upon funding
23	Koppelman, L	44.293013	-93.7979940	\$ 13,500.00	N/A	Le Sueur	Ravine	Ravine stabilization to Lake Jefferson	0.25	NA	Private	N/A	Obtain contract signature upon funding
24	Kanewischer	44.0951	-93.4911	\$ 8,900	N/A	Waseca	Lake shoreland	Shoreline restoration	0.14	0.04	Private	N/A	Obtain contract signature upon funding
30													

[illegible]

# Southern Minnesota Lakes Restoration Project 05 D



Map Created by Lauren Klement  
ArcMap 10  
June 17, 2013  
Subd. 05d

