

2013 Project Abstract

For the Period Ending June 30, 2016

Project Title: MeCC VII - Restoring Our Lands and Waters

Project Manager: Wiley Buck
Affiliation: Great River Greening
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FUNDING SOURCE: Environment and Natural Resources Trust Fund

LEGAL CITATION: M.L. 2013, Chp. 52, Sec. 2, Subd. 04d2.3

APPROPRIATION AMOUNT: \$208,000

Overall Project Outcomes and Results

Along with partners and volunteers, Greening undertook restoration projects to reduce habitat fragmentation, enhance habitat quality, reconnect habitat corridors, and build connections with local communities. Habitats included prairie, oak savanna, woodland, wetland, and riparian. Significantly exceeding all of our goals, we:

- 1) restored/enhanced 141 acres of upland habitat and an additional 77 acres with leveraged non-state funds for a total of 218 acres,
- 2) restored/enhanced 0.35 mile of shoreland habitat and an additional 0.08 mile using leveraged non-state funds for a total of 0.42 miles ,
- 3) engaged over 1750 (>500 youth) volunteers in meaningful parts of these projects
- 4) leveraged \$315,178 in non-state funds

Table 1: Summary of Deliverables by Parcel

Parcel Name	City	County	Acres	Shoreline (mi)	Volunteers
Trout Brook Nature Preserve	St. Paul	Ramsey	7		882
Long Pond Elk Ranch II	Princeton	Sherburne	3		-
Doyle-Kennefick Regional Park	Elko	Scott	10		142
Katherine Abbott Park I	Mahtomedi	Washington	19		313
Wild&Scenic Rivers II – Rum	Cambridge	Isanti	1	0.15	-
Pilot Knob Hill III	Mendota Heights	Dakota	1		24
Cedar Creek Conservation Area	Oak Grove	Anoka	67		-
Central Corridor II and III	Woodbury / Cottage Grove	Washington	6		337
Spring Lake Regional Park III	Cedar Lake Twsp	Scott	20		-
Arcola Mills Maintenance	May Township	Washington	-		-
Cedar Lake Farm Regional Park	New Prague	Scott	3	0.20	-
Dodge Nature Center Lilly Preserve	Mendota Heights	Dakota	4		63
TOTALS			141	0.35	1,761

Sites hosted five documented rare species (2 plants, 3 vertebrates), and three native plant communities with biodiversity of statewide significance.

We restored and de-fragmented habitat in ecological corridors, and at several ecological cores. Restorations protected water quality along the Mississippi River and the Rum River and its watershed.

Volunteers planted over 4,500 trees/shrubs and 5,600 forb/grass plugs, and received presentations from a Greening ecologist as part of their workday.

Project Results Use and Dissemination

Volunteer event descriptions acknowledging Trust Fund contributions and qualitative results were emailed to Greening's e-subscribers in July 2013, Feb 2014, July 2014, February 2015, July 2015, and spring 2016 in advance of our spring and fall volunteer event seasons. Over the course of the grants, the number of subscribers increased from approximately 5,000 to about 6,500.

Information about the Metro Conservation Corridors is on our website in the Initiatives and Volunteer Events sections at <http://www.greatrivergreening.org/>. Over the course of the grant, the visits to the Greening website increased from over 1,200 to over 1,500 visits per month.

Seven press articles disseminated information about the projects (but without Trust Fund recognition despite our written efforts):

- The Mahtomedi Area Green Initiative on a volunteer event at Katherine Abbott Park: <http://www.greatrivergreening.org/wp-content/uploads/2014/04/%E2%80%9CBuckthorn-Blast%E2%80%9D-Planned-for-Katherine-Abbott.pdf>
- The Star Tribune on Trout Brook Nature Sanctuary: <http://www.startribune.com/trout-brook-in-st-paul-s-north-end-to-see-daylight-once-again/267880201/#xqZDBCdDxAcvD4Gs.01>
- The Saint Paul Magazine on Trout Brook Nature Sanctuary: <http://saintpaulmag.com/cultivating-greatness-all-about-saint-paul%E2%80%99s-environmental-nonprofit-great-river-greening>
- Two articles reported on involvement of youth through an event at Central Corridor:
 - Stillwater Gazette,: <http://www.greatrivergreening.org/hong/>
 - Star Tribune: <http://www.greatrivergreening.org/wp-content/uploads/2015/05/Star-Tribune-Nonprofit-dreams-of-mighty-oaks-050115.pdf>
- The MinnPost on a volunteer event at the Trout Brook Nature Sanctuary in St. Paul: <http://www.greatrivergreening.org/wp-content/uploads/2013/07/Trout-Brook-Nature-Sanctuary-opens-just-north-of-downtown-St.pdf>
- The LillieNews on prairie restoration at Dodge Nature Center: <http://eastsidereviewnews.com/articles/2016/01/24/great-tree-migration>

We also post to the community calendars, and in these the proper acknowledgement is included. We post to the following:

- | | |
|---------------------------------------------------------------------------------------|--------------------------------------------|
| 1. Minnesota Master Naturalist Blog | 15. River Rangers |
| 2. Minnesota Master Naturalist Forum | 16. SEEK |
| 3. Macalester | 17. Volunteer Match |
| 4. St. Kate's | 18. WCCO Community Calendar |
| 5. MN Master Naturalists | 19. YourCause |
| 6. Gustavus GivePulse | 20. Minnesota Monthly |
| 7. Minnesota State University - Mankato
(Community Request for Volunteers
Form) | 21. Hudson Community Guide and
Calendar |
| 8. Do It Green Minnesota | 22. Restore Minnesota |
| 9. River wired (Green Hands USA) | 23. Hamline University |
| 10. HandsOn Twin Cities | 24. Augsburg College |
| 11. Idealist | 25. AARP volunteers |
| 12. KARE 11 Community Calendar | 26. 1 Mississippi |
| 13. KSTP Events | 27. Northern Gardener |
| 14. Next Step | 28. Gustavus GivePulse |
| | 29. MN River Basin Data Center |

Greening is in active partnership with landowners, other land managers, service providers, conservation peers, and volunteers resulting in a dynamic and timely exchange of information and results.

Date of Status Update: 8/15/2016

Date of Final Report: 08/15/2016

Date of Work Plan Approval: 06/11/2013

Project Completion Date: 06/30/2016

PROJECT TITLE: Restoring Our Lands and Waters

Project Manager: Wiley Buck

Affiliation: Great River Greening

Mailing Address: 35 W. Water St., Ste. 201

City/State/Zip Code: St. Paul, MN 55107

Telephone Number: (651) 665-9500

Email Address: wbuck@greatrivergreening.org

Web Address: www.greatrivergreening.org

Location: Anoka, Chisago, Dakota, Goodhue, Hennepin, Isanti, Ramsey, Scott, Sherburne, Washington

Total ENRTF Project Budget:	ENRTF Appropriation:	\$208,000
	Amount Spent:	\$184,270
	Balance:	\$ 23,730

Legal Citation: M.L. 2013, Chp. 52, Sec. 2, Subd. 04d2.3

Appropriation Language:

\$2,000,000 the first year is from the trust fund for the acceleration of agency programs and cooperative agreements. Of this appropriation, \$10,000 is to the commissioner of natural resources for agency programs and \$1,990,000 is to the commissioner of natural resources for agreements as follows: \$304,000 with Friends of the Mississippi River; \$368,000 with Dakota County; \$208,000 with Great River Greening; \$310,000 with Minnesota Land Trust; \$400,000 with Minnesota Valley National Wildlife Refuge Trust, Inc.; and \$400,000 with the Trust for Public Land for planning, restoring, and protecting priority natural areas in the metropolitan area, as defined under Minnesota Statutes, section 473.121, subdivision 2, and portions of the surrounding counties, through contracted services, technical assistance, conservation easements, and fee title acquisition. Land acquired with this appropriation must be sufficiently improved to meet at least minimum management standards, as determined by the commissioner of natural resources. Expenditures are limited to the identified project corridor areas as defined in the work plan. This appropriation may not be used for the purchase of habitable residential structures, unless expressly approved in the work plan. All conservation easements must be perpetual and have a natural resource management plan. Any land acquired in fee title by the commissioner of natural resources with money from this appropriation must be designated as an outdoor recreation unit under Minnesota Statutes, section 86A.07. The commissioner may similarly designate any lands acquired in less than fee title. A list of proposed restorations and fee title and easement acquisitions must be provided as part of the required work plan. Lands that would require payments in lieu of taxes under Minnesota Statutes, section 97A.061 or 477A.12, shall not be acquired with money from this appropriation. Up to \$54,000 is for use by Minnesota Land Trust in a monitoring and enforcement fund as approved in the work plan and subject to subdivision 16. An entity that acquires a conservation easement with appropriations from the trust fund must have a long-term stewardship plan for the easement and a fund established for monitoring and enforcing the agreement. Money appropriated from the trust fund for easement acquisition may be used to establish a monitoring, management, and enforcement fund as approved in the work plan. An annual financial report is required for any monitoring, management, and enforcement fund established, including expenditures from the fund. This appropriation is available until June 30, 2016, by which time the project must be completed and final products delivered.

I. PROJECT TITLE: Restoring our Lands and Waters

II. PROJECT STATEMENT:

Much of the remaining natural habitat within the Greater Twin Cities metropolitan area is threatened by conversion, fragmentation, invasive species, development, altered hydrology, and climate change. Restoration and management of these habitats is needed to save Minnesota's natural heritage for future generations, protect rare and declining species, protect our clean water, reconnect habitat corridors, and engage the community so that volunteers can better enjoy and understand the restoration process, to safeguard these natural treasures through time.

We have identified: Four new sites for restoration/enhancement projects; new project areas/phases at three sites; four establishment projects; and a modest amount of maintenance activities to protect earlier investments. By working with an array of local, state, federal, non-profit, and private partners, Greening will restore/enhance 90 acres, and 0.18 mile of shoreline, engaging at least 100 volunteer community members in meaningful parts of the work. We will also restore/enhance an additional 40 acres and 0.08 mile of shoreline with leveraged funds. These projects are exemplary of our continued engagement in the Anoka Sandplain, collar counties, metropolitan core, and Wild & Scenic Rivers.

III. PROJECT STATUS UPDATES:

Amendment Request (11/08/2013):

Greening requests to expand our Wild and Scenic Rivers – Rum River project to include shoreline restoration, and allocate an additional \$8000 to this project. Consequently we will reduce the allocation and deliverables for our Mill Pond shoreline project by the same amount. There is no change in Appendix A line item budgets nor the total amount of restored shoreline. Amendment approved by LCCMR 11-14-2013.

Amendment Request (12/10/2013):

Greening requests to modify our project list, adding Katherine Abbott Park Phase I, which is poised to start this winter. This 70 acre park features oak forest, savanna remnant, and wetlands; Phase I will consist of oak forest enhancement, including buckthorn removal with stump treatment, native shrub and understory plugging/seeding, and follow-up buckthorn control using burning and/or spot treatment. Funds will be reallocated from Freeman Park II project, which is not going forward at this time.

Note: Katherine Abbott Park is currently on our 2014 project list. This request will essentially split the 2014 project into two phases, with the Phase II portion remaining on the 2014 project list. Approved by LCCMR December 12, 2013.

Project Status as of February 1, 2014:

We have now identified five new sites for restoration/enhancement projects (noting that Long Pond Elk Ranch II is a new site to the Trust Fund), and are continuing on with new project areas/phases at two sites.

Work is proceeding and is on pace to reach our acreage and shoreline goals, and volunteer engagement. Activity promises to increase with several projects poised for implementation starting in the 2014 growing season.

Amendment Request (8/1/14):

Greening requests to modify our project list, adding Doyle-Kennefick Regional Park. This new 1100 acre Regional Park in Scott County, scheduled to open in 2015, features wetlands, shallow lakes and upland including Big Woods with significant biodiversity as rated by MN DNR. This particular work will enhance 18 acres (9 acres Trust Fund) of oak woodland with a buckthorn removal event, selective tree removal, and supplemental seeding. Private match has been raised. Funds will be re-allocated from the Pike Lake project, which is not going forward at this time.

Greening further requests to begin spending our 2014 appropriation before the 2013 appropriation is fully expended. In general, deliverables and budgets are based on the specific project lists for each appropriation. In particular, projects #7, 8 and 9 of the 2014 restoration list are ready to go and will need the full 3-year grant period. Our plan to spend the rest of this 2013 appropriation is based on our project list and project budgets; should a project from that list need to be removed, we will submit an amendment request to replace it with a project that is ready to start.

Amendment Approved: 08/11/14

Project Status as of August 1, 2014:

Restoration and enhancement is underway at the majority of project sites and we are on pace to reach our acreage, shoreline, and volunteer engagement goals. However, the Wild and Scenic River projects have been slow to develop, and there has been turnover with the DNR program supervisor; this fall, we will be evaluating the likelihood of these projects going forward and developing replacement projects as necessary.

Amendment Request February 1, 2015:

Greening requests to modify our project list, adding prairie restorations at Dodge Nature Center Lilly Property in Mendota Heights, and Victoria Park in St. Paul (maps are attached). These two projects present opportunities to restore about 30 total acres (15 Trust Fund acres) of native habitats in ecologically important areas of the metro. Funding for these projects is available as Mill Pond Shoreline is not going forward at this time, nor are additional Wild and Scenic Rivers projects.

Reflecting this change in our project list, we propose to shift \$12,800 from Result 2 Contracts to Result 1 Contracts; \$1,650 from Result 2 Volunteer Event Supplies to Result 1 Volunteer Event Supplies; and \$15,000 from Result 2 to Result 1 Contracts.

Amendment Approved: February 3, 2015

Project Status as of February 1, 2015:

Restoration and enhancement is underway at all of the projects on our revised list, with the exception of the two proposed projects which are in advanced negotiations. We are on pace to exceed our acreage goals, shoreline goals, and have engaged nearly 800 volunteers to date.

Amendment Request April 6, 2015:

Greening seeks permission to add the Grant Management Assistant position to our Personnel list. The Grant Management Assistant will be responsible for uploading Greening projects into the DNR spatial project database including submission of GIS shapefiles; take the lead on tracking the required restoration evaluations; and assist the Project Manager with submission of status reports, work program amendments, and other tasks as assigned. We wish to shift \$2,000 in personnel funds from the Project Manager position to the Grant Management Assistant position.

Amendment Approved: April 6, 2015

Amendment Request August 1, 2015:

Restoration and enhancement at shoreline sites (Activity 2) is well underway and Activity 2 goals are expected to be accomplished under budget. No additional shoreline projects are anticipated. With the recent addition of two upland projects, Dodge Nature Center and Victoria Park, in Activity 1 we anticipate needing additional funding for Activity 1 Contracts to account for slightly higher than expected bids on cost per acre. To account for these changes in funding needs, Greening requests reallocation of \$9,000 from Activity 2 Restoration Supplies to Activity 1 Contracts. This shift also results in a slight shift in Activity 1 outcomes by reducing acres for Outcome

2, "Maintenance on Select Sites", by 9.4 acres and increasing acres on Outcome 3, "Restoration/Enhancement" by 9.5 acres. Additionally, with the \$9,000 shift between activities, outcome budget allocations in Activity 1 and Activity 2 have been corrected to account for previous amendment shifted that had not been properly reflected in either place.

Amendment Approved: August 6, 2015

Project Status as of August 1, 2015:

Restoration and enhancement is underway at all of the projects on our revised list, with the exception of one newly added project, Victoria Park, which is in advanced negotiations. We are on pace to exceed our acreage and shoreline goals, and have engaged over 1000 volunteers to date.

Amendment Request February 1, 2016:

Greening respectfully requests to shift allocated funds within Activity 1 to meet anticipated expenses necessary to complete projects. A total of \$25,000 is to be shifted to Activity 1 Contracts. This amount is to be shifted out of two budgets: \$10,000 out of Activity 1 Personnel and \$15,000 out of Activity 1 Restoration Supplies. These changes are reflected in Attachment A.

Amendment Approved: February 4, 2016

Project Status as of February 1, 2016:

Restoration and enhancement is underway at all of the projects on our project list with the exception of Victoria Park Phase I which has experienced delays. Regardless, we are on pace to exceed our acreage goals and shoreline goals. We have now engaged over 1500 volunteers to date.

Final Project Status, August 15, 2016:

Along with partners and volunteers, Greening undertook restoration projects to reduce habitat fragmentation, enhance habitat quality, reconnect habitat corridors, and build connections with local communities. Habitats included prairie, oak savanna, woodland, wetland, and riparian. Significantly exceeding all of our goals, we:

- 1) restored/enhanced 141 acres of upland habitat and an additional 77 acres with leveraged non-state funds for a total of 218 acres,
- 2) restored/enhanced 0.35 mile of shoreland habitat and an additional 0.08 mile using leveraged non-state funds for a total of 0.42 miles ,
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We restored and de-fragmented habitat in ecological corridors, and at several ecological cores. Restorations protected water quality along the Mississippi River and the Rum River and its watershed.

Volunteers planted over 4,500 trees/shrubs and 5,600 forb/grass plugs, and received presentations from a Greening ecologist as part of their workday.

IV. PROJECT ACTIVITIES AND OUTCOMES:

ACTIVITY 1:

Description: Restoration, Enhancement, and Establishment of Upland Habitats

We will restore/enhance and establish/maintain 90 acres of forests, woodlands, savanna and prairie through control of invasive species, seeding/planting, prescribed fire, establishment mowing and associated activities; and an additional 40 acres of same using matching funds.

For each site, an ecological restoration and management plan will be made that is consistent with the highest quality conservation and ecological goals for the restoration site. The plan will give consideration to factors such

as soil, topography, geology, and other relevant factors that would provide for the best chance for long-term success of the restoration. The plan will include a timetable for implementing the restoration, identify long-term maintenance and management needs of the restoration and how they will be financed, take advantage of the best available science, and include innovative techniques to achieve the best restoration.

For each project, an initial restoration evaluation will be provided at the completion of the appropriation, and another evaluation three years after the completion of the expenditure. Restorations will be evaluated relative to the stated goals and standards in the restoration plan, current science, and, when applicable, the Board of Water and Soil Resources native vegetation establishment and enhancement guidelines. The evaluation shall determine whether the restoration is meeting planned goals, identify any problems with the implementation of the restoration, and, if necessary, give recommendations on improving restorations.

Private lands will be required to have a permanent conservation/scenic easement in effect. Species lists will be based on DNR, DNR/Great River Greening, and USDA Plants Database lists. In instances when leveraged match funds exceed our goal, Greening prefers to reinvest, to a level that is justified, in the original project area to augment, improve, and accelerate the restoration of those acres, before enlarging the project boundary to begin restoration of additional acres. Consideration will be given for subcontracting with Conservation Corps Minnesota.

Summary Budget Information for Activity 1:

ENRTF Budget: \$ 185,450
Amount Spent \$ 166,681
Balance: \$ 18,769

Activity Completion Date:

Outcome	Completion Date	Budget
1. 40ac Prairie and Savanna Establishment	October 30, 2014	\$ 21,000
2. 0.6ac Maintenance on Select Sites	June 30, 2016	\$ 500
3. 49.5ac Forest, Woodland, Savanna and Prairie Restoration/Enhancement	June 30, 2016	\$ 163,950

Activity Status as of February 1, 2014:

At Central Corridor, prairie and savanna establishment proceeded with sustained invasive species control, and supplemental seeding engaging over 80 volunteers in the fall of 2013.

At Cedar Creek Conservation Area, prairie establishment mowing and invasive species control were handled by county in-kind contributions and funds.

At Katherine Abbott Park I, the RFP process was completed for woody invasive treatment and work is scheduled to begin this winter. Winter snow seeding prior to the woody invasive treatment is planned. A volunteer hauling event has been scheduled for May 3, 2014 and recruitment has begun. (Note: Under a separate report, we are seeking an amendment request to our 2011 MeCC VI allocation to add additional acres to Katherine Abbott Park Phase I; we wish to use the 2011 allocation for additional acres simply for budget reasons).

At Long Pond Elk Ranch II, an RFP process was completed for prairie reconstruction services. Site prep is scheduled for the 2014 growing season with intent to seed in fall 2014. US Fish and Wildlife Service has committed to do the seed drilling at no charge, a very significant cost-saving contribution.

An agreements was recently formalized and executed with Scott County for savanna establishment at Spring Lake Regional Park, to begin in the 2014 growing season. Negotiations with St. Paul Parks and Rec for work at

Trout Brook Nature Preserve have advanced to final reviews of a formal agreement. St. Paul has started on site preparation as part of their in-kind contribution.

Activity Status as of August 1, 2014:

At Cedar Creek Conservation Area, prairie establishment mowing and invasive species control continued to be handled by county in-kind contributions and funds. Fall supplemental seeding/plugging is now being considered.

At Katherine Abbott Park I, the first wave of woody invasive cutting and treatment has been completed; stacking and hauling and follow-up treatment continues with volunteers and paid crews including CCM Youth Job Corps, to be followed by supplemental seeding/plugging.

At Trout Brook Nature Sanctuary in St. Paul, the woodland restoration has begun with City and private funds. Agreement with the City has been reached and an RFP for prairie restoration has been released.

At Long Pond Elk Ranch II, the RFP process has been renewed in an effort to contain cost, this time reaching out to local farmers for site preparation. Fall seeding remains the target.

At Pilot Knob Hill, planning with the City and Mn DOT has begun, including cash and in-kind donations. Agreement with the City has been reached and is in progress with Mn DOT.

At Spring Lake Park (Scott Co.), establishment of the savanna included selective maintenance mowing.

Activity Status as of February 1, 2015:

Updated projections are for over 100 acres restored, exceeding our goal of 90 acres.

In the past six months, large volunteer events were held at Katherine Abbott Park, Doyle-Kennefick Regional Park, and Trout Brook Nature Preserve, engaging over 400 volunteers.

At Trout Brook Nature Sanctuary in St. Paul, the restoration is well underway, with prairie seeding and tree planting completed.

At Long Pond Elk Ranch II, the scope of the project has been reduced. Site prep is complete and spring seeding is scheduled for the remaining acres.

At Doyle-Kennefick Regional Park, removal of woody invasives and general woody encroachment was conducted, releasing the priority oak savanna area, and included a large volunteer event in the fall.

At Katherine Abbott Park I, the first wave of woody invasive cutting and treatment has been completed including stacking and hauling, and graminoid seeding/plugging in the cut areas.

At Pilot Knob Hill, planning with the City and Mn DOT has reached the final review stage, including large in-kind from MN DOT, as well as an agreement for Mn DOT to purchase plant materials. Implementation should advance significantly in the next six months.

At Cedar Creek Conservation Area, prairie establishment mowing and invasive species control continued to be handled by county in-kind contributions and funds. Survey of the site revealed excellent establishment with a high forb component, with only a few spots needing supplemental attention during the next growing season.

At Central Corridor and at Spring Lake Park, establishment activities included spot invasive species control.

Activity Status as of August 1, 2015:

Updated projections are for over 110 acres restored, exceeding our goal of 90 acres.

At Trout Brook Nature Sanctuary in St. Paul, the restoration is well underway and involved an additional 224 volunteers over the last six months, planting 10,000 plugs and 2500 shrubs.

At Long Pond Elk Ranch II, a plan has been made with the landowner including in-kind site preparation, with seeding scheduled for fall 2015.

At Katherine Abbott Park I, woody and herbaceous invasive control is being sustained.

At Pilot Knob Hill III, agreements have been reached with the City and MnDOT and an RFP for fall work will be issued shortly. MnDOT offered greater matching funds than anticipated, increasing the quality of the project to now include oak savanna restoration with an emphasis on pollinator and Monarch habitat, including 15 trees, 36 shrubs, and 1824 forb and grass plugs in addition to invasive control.

At Cedar Creek Conservation Area, prairie establishment mowing and invasive species control continues to be handled by county in-kind contributions and funds, including thistle control. Survey of the site revealed excellent establishment with a high forb component, with only a few spots needing supplemental attention during the fall season.

At Central Corridor a spring event involved volunteers in planting oak seedlings to restore oak savannah.

At Spring Lake Park, savanna establishment activities included two prescribed burns conducted by the county, maintenance mowing and seeding.

At Dodge Nature Center's Lilly Prairie, an agreement has been reached with the landowner and a date set for a fall 2015 volunteer event. An RFP for prairie restoration will be issued shortly.

Activity Status as of February 1, 2016:

At Trout Brook Nature Sanctuary in St. Paul, establishment and supplemental planting of the prairie, savanna, and woodland restoration continued. Over 400 volunteers, including general public and participants in our Field Learning for Teens program, were engaged in planting 483 trees.

At Long Pond Elk Ranch II, seeds have been purchased for seeding, and agreements between the landowner and USFWS are underway for the contract seed drilling, scheduled now for spring 2016.

At Katherine Abbott Park I, spot follow-up treatment of non-native invasive shrubs was completed.

At Pilot Knob Hill III, roadside restoration, the RFP process was completed, and work has commenced with site preparation, installation of native woody species, and herbaceous prairie seeding. Installation of forb beds and maintenance of all is contracted for spring 2016.

At Central Corridor, over-seeding thin areas, mowing weeds, and spot herbicide application was conducted.

At Dodge Nature Center's Lilly Prairie, activity included: 1) site preparation for prairie seeding; 2) enhancement of existing prairie plantings; and 3) forest enhancement through buckthorn removal. A fall volunteer event engaged 63 volunteers in planting grass and forb plugs specifically for pollinator habitat, fulfilling part of the plan to provide pollinator refugia during the restoration process.

Prairie establishment, primarily invasive species control was sustained at Cedar Creek Conservation Area by the landowner using CCM crews. The Greening crew is scheduled to conduct spring 2016 invasive species control and other activities.

Maintenance activities included providing guidance and a walk through at Arcola Mills, with the new natural resource management board committee chair.

Final Report Summary:

Under Activity 1, a total of 9 Upland Restoration projects were completed, including new sites and new phases at the remaining sites.

1. Trout Brook Nature Preserve
2. Long Pond Elk Ranch II
3. Doyle-Kennefick Regional Park
4. Katherine Abbott Park I
5. Pilot Knob Hill III
6. Cedar Creek Conservation Area – Prairie Establishment
7. Central Corridor Phase II and III Establishment
8. Spring Lake Regional Park (Scott Co.) Phase III – Establishment
9. Dodge Nature Center Phase I

Across all Activity 1 sites we restored/enhanced a total of 211 acres (137 Trust Fund and 73 with match). Highlights include: restoring high diversity maple-basswood forest at Spring Lake Regional Park; kitten-tails (*Besseyia bullii*) habitat at Doyle-Kennefick in an area with historic records; and restoring a significant portion of the Trout Brook to Mississippi River habitat corridor.

Over 1,761 volunteers contributed to restoration work on upland habitats, including over 530 youth, over the course of 19 volunteer events. Volunteers planted 4,300 forbs and grasses, and nearly 4,200 trees and shrubs.

At the conclusion of the grant, all sites were signed.

The remaining balance is largely due to the Victoria Park project dropping out due to delays in the necessary pre-work. This project is worthy of future consideration.

Four of the 11 projects were establishment projects. This support is key to the long term success of restorations. leverage in-kind sources and enabling a more guided transition to landowner maintenance.,

Burn seasons during this grant season were often shortened by unfavorable conditions and the need for burn alternatives is increasing.

At Trout Brook Nature Preserve, the site was seeded, mowed, and spot treated for invasives. Volunteer events engaged 608 volunteers at 3 public events and 382 youth through Greening's Field Learning for Teens program. Over 10,000 plugs and over 2500 trees/shrubs were planted at the site.

At Long Pond Elk Ranch II, a high diversity prairie reconstruction was completed. Trust Fund dollars purchased the seed. US Fish and Wildlife Service paid for the seed drilling and the landowner completed all the site prep. This private site is in a key location and has undergone extensive restoration, and is a testament to 'pride of ownership'.

At Doyle-Kennefick Regional Park, removal of woody invasives and general woody encroachment was conducted, releasing the priority oak savanna area. A large volunteer event in fall, 2014 involved 142 volunteers (64 youth). Work at Doyle-Kennefick came in under budget.

At Katherine Abbott Park I, forest enhancement included woody invasive control by volunteers and paid crews including CCM Youth Job Corps, followed by supplemental graminoid seeding/plugging in the cut areas, and follow-up treatment of non-native invasive shrubs.

At Pilot Knob Hill III, roadside restoration, work included a large in-kind contribution from MN DOT, as well as an agreement for Mn DOT to purchase plant materials. MnDOT offered greater matching funds than anticipated, increasing the quality of the project to include oak savanna restoration with an emphasis on pollinator and Monarch habitat, including 15 trees, 36 shrubs, and 1824 forb and grass plugs in addition to invasive control. Work began with site preparation, installation of native woody species, and herbaceous prairie seeding, and was followed with installation of forb beds and maintenance. This is an important way to coordinate site management removing abrupt edges. Roadsides have unique challenges; MnDOT has expertise in this area which they shared.

At Cedar Creek Conservation Area, prairie establishment mowing and invasive species control were handled by county in-kind contributions and funds. Survey of the site revealed excellent establishment with a high forb component, with only a few spots needing supplemental attention. Prairie establishment, primarily invasive species control was sustained at Cedar Creek Conservation Area by the landowner using CCM crews. The Greening crew conducted spring 2016 invasive species control and other activities. Work at this site came in under budget.

Central Corridor Phase II and III establishment included two public volunteer events and one private event involving 337 volunteers, who planted 800 forb/grass plugs and 3,500 trees/shrubs.

At Spring Lake Regional Park (Scott County), savanna establishment work began with selective maintenance mowing and spot control of invasive species, and was followed by two prescribed burns, maintenance mowing, and seeding. Work at this site came in under budget.

Maintenance activities included providing guidance and a walk through at Arcola Mills, with the new natural resource management board committee chair.

At Dodge Nature Center's Lilly Prairie, activity included: 1) site preparation for prairie seeding; 2) enhancement of existing prairie plantings; and 3) forest enhancement through woody invasive removal. A volunteer event engaged 63 volunteers in planting grass and forb plugs specifically for pollinator habitat, fulfilling part of the plan to provide pollinator refugia during the restoration process.

ACTIVITY 2:

Description: Restoration, Enhancement, and Establishment of Shoreline and Wetland Habitats

We will restore/enhance or establish 0.18 mile of shoreline through control of invasive species, seeding/planting, and associated activities; and additional 0.08 mile with matching funds.

For each site, an ecological restoration and management plan will be made that is consistent with the highest quality conservation and ecological goals for the restoration site. The plan will give consideration to factors such as soil, topography, geology, and other relevant factors that would provide for the best chance for long-term success of the restoration. The plan will include a timetable for implementing the restoration, identify long-term

maintenance and management needs of the restoration and how they will be financed, take advantage of the best available science, and include innovative techniques to achieve the best restoration.

For each project, an initial restoration evaluation will be provided at the completion of the appropriation, and another evaluation three years after the completion of the expenditure. Restorations will be evaluated relative to the stated goals and standards in the restoration plan, current science, and, when applicable, the Board of Water and Soil Resources native vegetation establishment and enhancement guidelines. The evaluation shall determine whether the restoration is meeting planned goals, identify any problems with the implementation of the restoration, and, if necessary, give recommendations on improving restorations.

Private lands will be required to have a permanent conservation/scenic easement in effect. Species lists will be based on DNR, DNR/Great River Greening, and USDA Plants Database lists. In instances when leveraged match funds exceed our goal, Greening prefers to reinvest, to a level that is justified, in the original project area to augment, improve, and accelerate the restoration, before enlarging the project boundary to begin restoration of additional shoreline. Consideration will be given for subcontracting with Conservation Corps Minnesota as allowed under the guidelines detailed in the current 'Reimbursement Manual for Pass Through Grants Administered by the Minnesota Department of Natural Resources'.

Summary Budget Information for Activity 2:

ENRTF Budget: \$ 22,550

Amount Spent: \$ 17,589

Balance: \$ 4,961

Activity Completion Date:

Outcome	Completion Date	Budget
1. 0.05 mile Shoreline Establishment	October 30, 2014	\$ 9,000
2. 0.13 mile Shoreline Restoration	June 30, 2016	\$ 13,550

Activity Status as of February 1, 2014:

For Wild and Scenic Rivers II – Rum, we re-graded a total of 1500' of steep cut Rum River shoreline, then armored it with cedar revetments, and seeded and live staked. This is the implementation phase of a plan engineered and designed with other funds, including DNR Shorelands, prior to July 1, 2013.

An agreement was recently formalized and executed with Scott County for shoreline establishment at Cedar Lake Regional Park, to begin in the 2014 growing season. Efforts to formalize an agreement with the partners for the Mill Pond Shoreline project will be renewed in February and March of this year.

Activity Status as of August 1, 2014:

At Cedar Lake Farm Regional Park, spot spraying and spot mowing has been sustained throughout the growing season to establish the shoreline plantings. Supplemental seeding and plugging have not been needed to date. The shoreline project for the Wild and Scenic River – Rum project suffered minor damage in the spring floods; the cedar revetments fared quite well given the conditions.

Activity Status as of February 1, 2015:

The shoreline project for the Wild and Scenic River – Rum project will continue to be monitored especially after spring high water. At Cedar Lake Farm shoreline establishment included sustained spot treatment through the growing season. Shoreline calculations were updated for both projects.

Activity Status as of August 1, 2015:

The shoreline project for the Wild and Scenic River – Rum project will continue to be monitored especially after spring high water.

Activity Status as of February 1, 2016:

At the Cedar Lake Farm Shoreline project, monitoring continued.

Damage due to floods was documented for the Wild and Scenic River – Rum project. A meeting with the SWCD and DNR Hydrologist have been planned for this month to pursue a robust response. Meanwhile, restored linear feet of shoreline has been adjusted downward for this project.

Final Report Summary, August 15, 2016:

Under Activity 2, we restored/enhanced a total of 0.42 mi of shoreline (0.35 Trust Fund and 0.07 with matching funds), protecting water quality along the Rum River and Cedar Lake.

The Wild & Scenic Rum River Shoreline project consisted of cedar revetment installation, supplying high habitat streambank habitat while armoring the soil. The revetments had partial failure due to the sustained, late high water in 2014 and further degraded by 2016 spring high water. Evaluations were conducted by a review team consisting of DNR Hydrologist; DNR Stream Specialist; Isanti SWCD; TNC; and Greening in spring 2016. A robust revised plan has been made, to include large stock tree planting along the shoreline and in the floodplain, allowing tree roots to hold the soil below the root depth of the reed canary grass. Funding is being pursued for this important project. Reforesting will also de-fragment the riparian forest and promote a continuous forested habitat cover while slowing down floodwater currents.

At Cedar Lake Farm Regional Park, shoreline restoration included a prescribed burn, establishment mowings, herbicide treatment, and cattail control as seed and plants were established. Establishment at Cedar Lake Farm Regional Park shoreline project came in under budget.

V. DISSEMINATION:

Description:

Project results will be shared with active engagement of landowner partners and matching fund partners, as well as the larger Metro Corridors partnership.

Great River Greening will periodically distribute information about the program through our e-postcard, 'Volunteer Opportunities' mailings, donor mailings and communications (including newsletter and annual report), at volunteer restoration events, and through our website www.greatrivergreening.org.

Volunteer event descriptions acknowledging Trust Fund contributions and qualitative results will be emailed to over 5,000 subscribers in advance of our spring and fall volunteer event seasons. Information about the Metro Conservation Corridors is on our website in the Initiatives and Volunteer Events sections at <http://www.greatrivergreening.org/> which receives over 1,200 visits per month.

Status as of February 1, 2014:

Our fall 2013 'Volunteer Opportunities' mailing included the Central Corridor (aka South Washington Corridor) project description including Trust Fund acknowledgement. Our spring 2014 'Volunteer Opportunities' mailing has been developed for February distribution, and includes the upcoming event at Katherine Abbott Park.

Status as of August 1, 2014:

The activities for our spring 2014 volunteer event recruitment, including the events at Katherine Abbott Park and Central Corridor, included 'e-blasts' to our 6,500 member e-mailing list; 16 Facebook and Twitter posts; posting on our web page, which averages 1500 visits per month; 500 physical event flyers handed out at 8 community events/fairs and 4 volunteer trainings and elsewhere; and general contact of hundreds of individuals, many representing schools, churches, community groups, and businesses.

Recruitment for our fall events has begun with emailing of 2 corporate recruitment packets, 3 Facebook and Twitter posts, and posting on our web page. Our material will be updated to recognize the Trust Fund's contribution to Doyle-Kennefick if/when it is approved for our project list.

Status as of February 1, 2015:

The activities for our fall 2014 volunteer event recruitment, including the events at Katherine Abbott Park, Trout Brook Nature Preserve, and Doyle-Kennefick included 'e-blasts' to our 6,500 member e-mailing list; Facebook and Twitter posts; posting on our web page, which averages 1500 visits per month; physical event flyers; and general contact of hundreds of individuals, many representing schools, churches, community groups, and businesses.

Status as of August 1, 2015:

The activities for our spring 2015 volunteer recruitment for the event at Trout Brook Nature Preserve included 'e-blasts' to our 6,500 member e-mailing list; 19 Facebook and Twitter posts; posting on our web page, which averages 1500 visits per month; 400 physical event flyers handed out at 9 community events/fairs and 3 volunteer trainings and elsewhere; and general contact of hundreds of individuals, many representing schools, churches, community groups, and businesses.

Status as of February 1, 2016:

The activities for our fall 2015 volunteer recruitment for two events at Trout Brook Nature Preserve and an event at Dodge Nature Center's Lilly Prairie included 'e-blasts' to our 7,500 member e-mailing list; 13 Facebook and Twitter posts; posting on our web page, which averages 1,500 visits per month; and general contact of hundreds of individuals, many representing schools, churches, community groups, and businesses.

Final Report Summary, August 15, 2016:

Volunteer event descriptions acknowledging Trust Fund contributions and qualitative results were emailed to Greening's e-subscribers in July 2013, Feb 2014, July 2014, February 2015, July 2015, and spring 2016 in advance of our spring and fall volunteer event seasons. Over the course of the grants, the number of subscribers increased from approximately 5,000 to about 6,500.

Information about the Metro Conservation Corridors is on our website in the Initiatives and Volunteer Events sections at <http://www.greatrivergreening.org/>. Over the course of the grant, the visits to the Greening website increased from over 1,200 to over 1,500 visits per month.

Seven press articles disseminated information about the projects (but without Trust Fund recognition despite our written efforts):

- The Mahtomedi Area Green Initiative on a volunteer event at Katherine Abbott Park: <http://www.greatrivergreening.org/wp-content/uploads/2014/04/%E2%80%9CBuckthorn-Blast%E2%80%9D-Planned-for-Katherine-Abbott.pdf>
- The Star Tribune on Trout Brook Nature Sanctuary: <http://www.startribune.com/trout-brook-in-st-paul-s-north-end-to-see-daylight-once-again/267880201/#xqZDBCdDxAcvD4Gs.01>
- The Saint Paul Magazine on Trout Brook Nature Sanctuary: <http://saintpaulmag.com/cultivating-greatness-all-about-saint-paul%E2%80%99s-environmental-nonprofit-great-river-greening>
- Two articles reported on involvement of youth through an event at Central Corridor:

- Stillwater Gazette,: <http://www.greatrivergreening.org/hong/>
- Star Tribune: <http://www.greatrivergreening.org/wp-content/uploads/2015/05/Star-Tribune-Nonprofit-dreams-of-mighty-oaks-050115.pdf>
- The MinnPost on a volunteer event at the Trout Brook Nature Sanctuary in St. Paul:
<http://www.greatrivergreening.org/wp-content/uploads/2013/07/Trout-Brook-Nature-Sanctuary-opens-just-north-of-downtown-St.pdf>
- The LillieNews on prairie restoration at Dodge Nature Center:
<http://eastsidereviewnews.com/articles/2016/01/24/great-tree-migration>

We also post to the community calendars, and in these the proper acknowledgement is included. We post to the following:

- | | |
|------------------------------------------------------------------------------------|-----------------------------------------|
| 1. Minnesota Master Naturalist Blog | 15. River Rangers |
| 2. Minnesota Master Naturalist Forum | 16. SEEK |
| 3. Macalester | 17. Volunteer Match |
| 4. St. Kate's | 18. WCCO Community Calendar |
| 5. MN Master Naturalists | 19. YourCause |
| 6. Gustavus GivePulse | 20. Minnesota Monthly |
| 7. Minnesota State University - Mankato
(Community Request for Volunteers Form) | 21. Hudson Community Guide and Calendar |
| 8. Do It Green Minnesota | 22. Restore Minnesota |
| 9. River wired (Green Hands USA) | 23. Hamline University |
| 10. HandsOn Twin Cities | 24. Augsburg College |
| 11. Idealist | 25. AARP volunteers |
| 12. KARE 11 Community Calendar | 26. 1 Mississippi |
| 13. KSTP Events | 27. Northern Gardener |
| 14. Next Step | 28. Gustavus GivePulse |
| | 29. MN River Basin Data Center |

Greening is in active partnership with landowners, other land managers, service providers, conservation peers, and volunteers resulting in a dynamic and timely exchange of information and results.

VI. PROJECT BUDGET SUMMARY:

A. ENRTF Budget:

Budget Category	\$ Amount	Explanation
Personnel:	\$ 30,000	Project Manager / Ecologist: \$4,000 (78% salary, 22% benefit); 6% FTE. Grant Management Assistant: \$1,500 (80% salary, 20% benefit) 4% FTE 2 Ecologists: \$7,500 (83% salary, 17% benefits); 13% FTE Director of Conservation Programs: \$750 (93% salary, 7% benefits); 1%FTE. Volunteer Manager: \$4,000 (87% salary, 13% benefits); 8% FTE. Field Coordinator: \$3,500 (86% salary, 14% benefits); 8%FTE. 6 Restoration Technicians: \$6,000 (93% salary, 7% benefits); 20%FTE. Director of Finance: \$2,000 (81% salary, 19%

		benefits); 3% FTE. Administrative Assistant: \$750 (83%salary, 17% benefits). 1% FTE.
Professional/Technical/Service Contracts:	\$144,000	TBD (competitive bid): Habitat restoration activities including site preparation, seed installation, earthwork, invasive species control, establishment mowing, prescribed burning, watering.
Equipment/Tools/Supplies:	\$ 26,000	Restoration tools: Purchase/repair of power tools, sprayers, personal protective equipment; Mower, ATV maintenance/repair. (3K) Restoration supplies: Seed, plants, mulch, herbicide, fencing (38K)
Capital Expenditures over \$3,500:	\$-0-	
Printing:	\$ 500	Trust Fund signs
Travel Expenses in MN:	\$ 3,500	POV Mileage
Other:	\$ 4,000	Volunteer Event Supplies: Large tent/table/chair/portable toilet rentals; overnight security. Purchase of granola bars/juice/water/fruits/sandwiches; small pop-up tents; safety glasses, work gloves, hand tools. Rx burn and other permit fees; NHIS database and other license fees.
TOTAL ENRTF BUDGET:		\$208,000

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: 0.64

Number of Full-time Equivalent (FTE) estimated to be funded through contracts with this ENRTF appropriation: 3.5

B. Other Funds:

Source of Funds	\$ Amount Proposed	\$ Amount Spent	Use of Other Funds
Non-state			
Municipal	\$ 51,900	\$ 92,800	Personnel, Contracts, Supplies
Municipal (In-kind)	\$ 10,000	\$ 9,815	In-Kind Invasive Control
Private Individuals (In-kind)	\$ 2,000	\$ 500	In-kind Site Prep
Private Foundations	\$ 52,000	\$ 31,791	Trout Brook Nature Sanctuary; Doyle-Kennefick Regional Park
Private NGO	\$ 20,000	\$ 10,000	Dodge Nature Center: Lilly Prairie Easement
Private NGO	\$ 10,000	\$ 4,000	Dodge NC: Adjacent 3 acres to Lilly Prairie Easement
Federal NRCS	\$ 4,000	\$ 0	Contracts (\$1,400 included in the USFWS

			funds, below)
Federal USFWS	\$ 6,600	\$ 5,600	Personnel, Contracts, Supplies (add'l \$15,000 was spent prior to 7/1/13)
Watershed District	\$ 20,000	\$ 21,000	Personnel, Contracts, Supplies.
County	\$ 8,000	\$ 3,000	Personnel, Contracts, Supplies.
County (In-kind)	\$ 13,000	\$ 47,672	In-Kind Invasive Control
State			
Outdoor Heritage Fund	\$ 89,000	\$ 89,000	Trout Brook Nature Sanctuary
TOTAL OTHER FUNDS:	\$ 286,500	\$ 315,178	

VII. PROJECT STRATEGY:**A. Project Partners:**

B. Project Impact and Long-term Strategy: Much of the remaining natural habitat within the Greater Twin Cities metropolitan area is threatened by conversion, fragmentation, invasive species, development, altered hydrology, and climate change. Restoration and management of these habitats is needed to save Minnesota's natural heritage for future generations, protect rare and declining species, protect our clean water, reconnect habitat corridors, and engage the community so that volunteers can better enjoy and understand the restoration process, to safeguard these natural treasures through time.

These projects are exemplary of our continued engagement in the Anoka Sandplain, collar counties, metropolitan core, and Wild & Scenic Rivers.

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
ENRTF	\$ 60,000 Subd. 4c2.3	\$ 111,000 Subd. 3(a)2.3	\$ 155,000 Subd. 4(f)2.5	-0-	\$400,000 Subd. 04i2.3
Non-State - Various	\$ 90,000	\$ 140,000	\$ 153,000		\$414,000
DNR State Parks	\$ 31,000				
DNR Shorelands					\$40,000

VIII. ACQUISITION/RESTORATION LIST:

See Acquisition/Restoration List attachment

IX. MAP(S):

See Map attachment

X. RESEARCH ADDENDUM:**XI. REPORTING REQUIREMENTS:**

Periodic work plan status update reports will be submitted not later than February 1, 2014, August 1, 2014, February 1, 2015, August 1, 2015, and February 1, 2016. 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: Restoring Our Lands and Waters - MeCC VII								
Legal Citation: M.L. 2013, Chp. 52, Sec. 2, Subd. 04d2.3								
Project Manager: Wiley Buck								
M.L. 2013 ENRTF Appropriation: \$208,000								
Project Length and Completion Date: 3 years, June 30, 2016								
Date of Final Report: August 15, 2016								
ENVIRONMENT AND NATURAL RESOURCES TRUST FUND BUDGET	Activity 1 Budget	Amount Spent 06/30/2016	Balance	Activity 2 Budget	Amount Spent 06/30/2016	Balance	TOTAL BUDGET	TOTAL BALANCE
BUDGET ITEM								
Personnel (Wages and Benefits) Overall Totals provided, with anticipated split of 90% for Activity 1 and 10% for Activity 2, with Activity and Position totals to be adjusted as necessary for weather, match restrictions if any, and actual vs. estimated hours. Benefits subject to change with change in ins. premiums and benefits packages, and individual participation in 401k. Salaries subject to change in annual reviews.	26,000	24,882	1,118	4,000	3,540	460	30,000	1,578
Project Manager / Ecologist: \$4,000 (78% salary, 22% benefit); 8% FTE.								
Grant Management Assistant: \$1,500 (80% salary, 20% benefit) 5% FTE								
2 Ecologists: \$7,500 (83% salary, 17% benefits); 17% FTE								
Director of Conservation Programs: \$750 (93% salary, 7% benefits); 1.5%FTE.								
Volunteer Manager: \$4,000 (87% salary, 13% benefits); 10% FTE.								
Field Coordinator: \$3,500 (86% salary, 14% benefits); 12%FTE.								
6 Restoration Technicians: \$6,000 (93% salary, 7% benefits); 27%FTE.								
Director of Finance: \$2,000 (81% salary, 19% benefits); 4% FTE.								
Administrative Assistant: \$750 (83%salary, 17% benefits). 2% FTE.								
Professional/Technical/Service Contracts								
TBD (competitive bid): Habitat restoration activities including site preparation, seed installation, earthwork, invasive species control, establishment mowing, prescribed burning, watering.	130,800	116,978	13,822	13,200	13,060	140	144,000	13,962
Equipment/Tools/Supplies								
Restoration tools: Purchase/repair of power tools, sprayers, personal protective equipment. Mower, ATV maintenance/repair.	2,000	1,422	578	1,000	595	405	3,000	983
Restoration supplies: Seed, plants, mulch, herbicide, fencing	20,000	19,028	972	3,000	107	2,893	23,000	3,865
Capital expenditures over \$3,500								
Printing Signs	500	390	110			0	500	110
Travel expenses in Minnesota Mileage	2,500	1,842	658	1,000	136	864	3,500	1,522
Other								
Volunteer Event Supplies: Large tent/table/chair/portable toilet rentals; overnight security. Purchase of granola bars/juice/water/fruits/sandwiches; small pop-up tents; safety glasses, work gloves, hand tools.	3,450	2,140	1,310	150	150	0	3,600	1,310
Rx burn and other permit fees.	200	0	200	200		200	400	400
COLUMN TOTAL	\$185,450	\$166,681	\$18,769	\$22,550	\$17,589	\$4,961	\$208,000	\$23,730

Environment and Natural Resources Trust Fund Projects

M.L. 2013 Acquisition/Restoration List

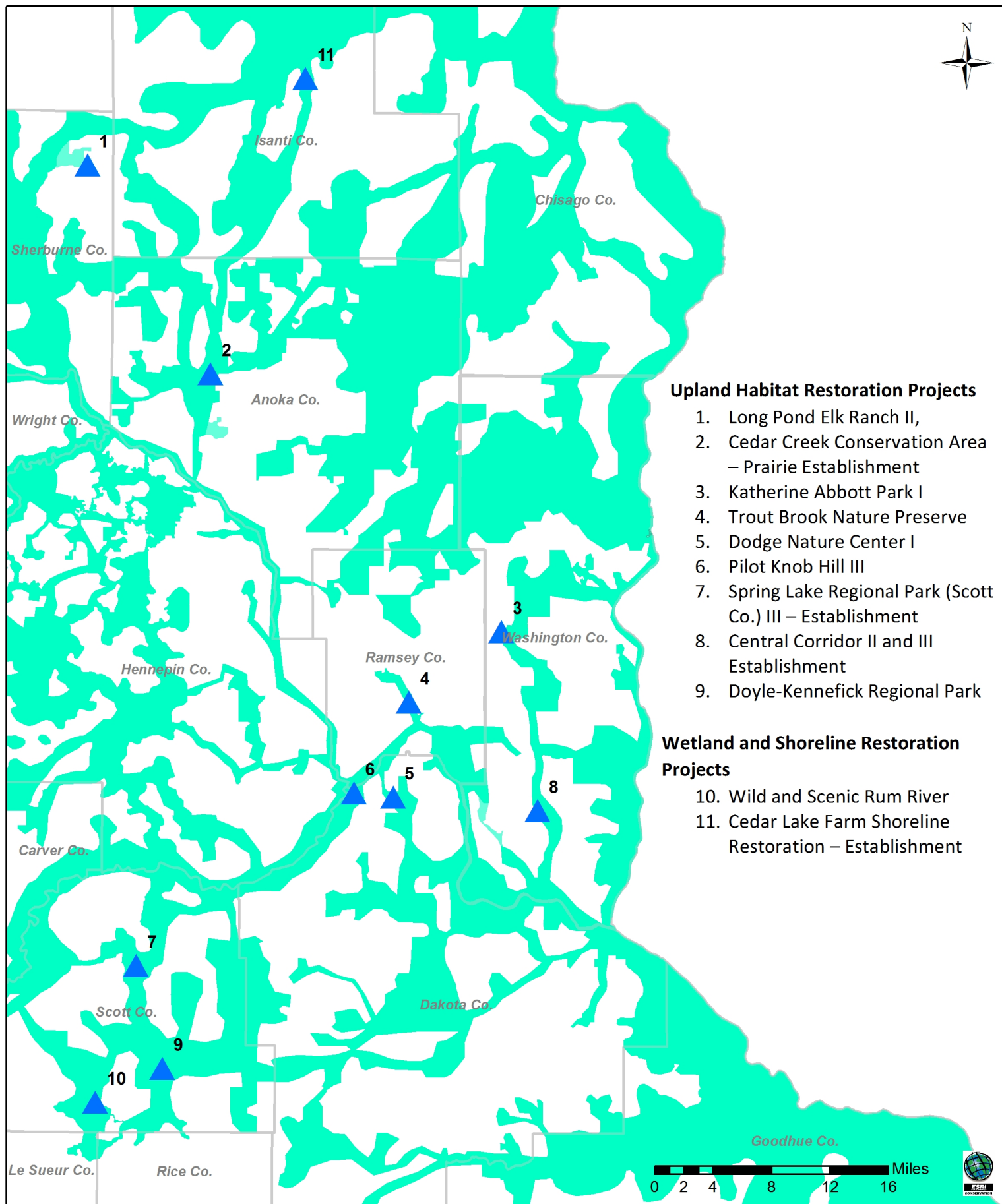
Project Title: Restoring Our Lands and Water

Project Manager Name: Wiley Buck

M.L. 2013 ENRTF Appropriation: \$208,000

#	Acquisition or Restoration Parcel Name	Geographic Coordinates		Actual 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	Trout Brook Nature Preserve	44.972401	-93.092003	\$ 44,000	\$ -	Ramsey	Ecological corridor to connect Trout Brook Greenway and Miss. R.	Prairie,savanna, woodland resto; forest enhancement	7		Municipal		Completed
2	Long Pond Elk Ranch II	45.508499	-93.560402	\$ 3,200	\$ -	Sherburne	Lg site w/ variety of game and non-game habitat in Rum R watershed	Prairie restoration	3		Pvt		Completed
3	Doyle-Kennefick Regional Park	44.60802	-93.43701	\$ 22,800	\$ -	Scott	New 1100 ac Regional Park with wetland, shallow lake, and upland mosaic including Big Woods area of moderate biodiversity significance.	Enhancement of oak woodland incl. buckthorn removal event, selective tree removal, and supplemental seed/plugging.	10		County		Completed
4	Katherine Abbott Park I	45° 2' 36.9528"	-92° 57' 50.0328"	\$ 42,000	\$ -	Washington	Site with mosaic of habitats	Oak forest and savanna enhancement incl. buckthorn control, plugging/seedin g of native species.	19		Municipal		Completed
5	Wild and Scenic Rivers II - Rum	45.592701	-93.23910	\$ 9,500	\$ -	Anoka, Isanti, Sherburne	Wild and scenic river with high density of rare features	Upland resto/ enhancement; shoreline restoration	1	0.15	Public and Pvt		Completed
6	Pilot Knob Hill III	44.8811	-93.167297	\$25,700	\$ -	Dakota	High quality prairie in big river corridor, adj. to Ft Snelling St. Park	Prairie/Savanna restoration	1		MNDOT		Completed
7	Cedar Creek Conservation Area - Prairie Establishment	45.298698	-93.372902	\$ 315	\$ -	Anoka	Lg complex with high quality game and non-game habitat on Rum River.	Establishment mow and spot spray ≥1.5 year	67		County		Completed
8	Central Corridor Phases II and III - Prairie Establishment	44.863701	-92.908997	\$ 6,000	\$ -	Washington	Prairie, historically connected to Lost Valley Prairie SNA	Establishment mow and spot spray ≥1.5 year	6		Watershed District		Completed
9	Spring Lake Regional Park Ph III - Savanna Establishment	44.7172	-93.4767	\$ 4,392	\$ -	Scott	Lg area of high quality forest and adjacent lands.	Establishment mow and spot spray ≥1.5 year; tree maint.	20		County		Completed
10	Maintenance	45.1382	-92.7516	\$ 62		Various	Protect earlier investments at existing sites	Monitoring and various field activities.	0		Public and Pvt		Completed
11	Cedar Lake Farm Shoreline Restoration - Establishment	44.5765	-93.544098	\$ 6,300	\$ -	Scott	Regional Park with undeveloped shoreline	Spot invasive control, watering, plug replacement as nec.	3	0.2	County		Completed
12	Dodge Nature Center	44.8773	-93.114799	\$ 20,000	\$ -	Dakota	Lg area with mosaic of forest, grassland, and wetland	Prairie restoration	4		Pvt in conservation easement		Completed

NOTES: Actual cost at Cedar Creek totalled approximately \$815, but only \$315 has been invoiced.



Upland Habitat Restoration Projects

1. Long Pond Elk Ranch II,
2. Cedar Creek Conservation Area – Prairie Establishment
3. Katherine Abbott Park I
4. Trout Brook Nature Preserve
5. Dodge Nature Center I
6. Pilot Knob Hill III
7. Spring Lake Regional Park (Scott Co.) III – Establishment
8. Central Corridor II and III Establishment
9. Doyle-Kennefick Regional Park

Wetland and Shoreline Restoration Projects

10. Wild and Scenic Rum River
11. Cedar Lake Farm Shoreline Restoration – Establishment

