



Environment and Natural Resources Trust Fund (ENRTF) M.L. 2015 Work Plan

Date of Report: January 15, 2015

Date of Next Status Update Report: January 31, 2016

Date of Work Plan Approval:

Project Completion Date: June 30, 2020

Does this submission include an amendment request? No

PROJECT TITLE: Thirteen Counties Propagating Native Plants and Restoring Diverse Habitats

Project Manager: Rich Perrine

Organization: Martin Soil and Water Conservation District

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Location: Blue Earth, Brown, Cottonwood, Crow Wing, Faribault, Freeborn, Le Sueur, Jackson, Lake, Martin, Nicollet, Waseca, and Watonwan Counties

Total ENRTF Project Budget:

ENRTF Appropriation: \$495,000

Amount Spent: \$0

Balance: \$495,000

Legal Citation: M.L. 2015, Chp. 76, Sec. 2, Subd. 08b

Appropriation Language:

\$495,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with the Martin County Soil and Water Conservation District for a cooperative thirteen county effort by Blue Earth, Brown, Cottonwood, Crow Wing, Faribault, Freeborn, Jackson, Lake, Le Sueur, Martin, Nicollet, Waseca, and Watonwan counties to protect and expand native forest and prairie habitat for species in greatest conservation need in four regions of the state through collection and propagation of local ecotype native plants, habitat restoration efforts, and educational outreach . This appropriation is available until June 30, 2020, by which time the project must be completed and final products delivered.

I. PROJECT TITLE: Thirteen Counties Propagating Native Plants and Restoring Diverse Habitats

II. PROJECT STATEMENT: Providing habitat for “species in greatest conservation need” will be accomplished by protecting and expanding diverse native forest and prairie habitats in 13 counties touching 4 regions of the state. The project focus is restoring uncommon/rare at-risk native plant species to provide habitat for other at-risk species. Project partners will use local ecotype native plants that are aggressive enough to compete with and overtake invasive species, in order to reclaim areas where non-native species have started. Plant materials with origins near the restoration sites and seed from sites certified by the Minnesota Crop Improvement Association or local source Yellow Tag Seed will be used. The Minnesota Crop Improvement Association will be involved with certification of species on new project sites

Local source species are chosen for planting that match the growing conditions of the restoration sites. In each of the new partnering counties, species selection will be made depending on local ecotype species availability and the characteristics of restoration sites. Species that appear to be rare will be targeted in each county along with the necessary supporting species.

For example, in Martin County work will continue on Tuberous Indian Plantain, Eared False Foxglove and Sullivant’s Milkweed, which are all state listed species. Under permit, these species cannot be moved outside of Martin County. Other counties may be able to secure permits to work with listed species within their county. Other project focus species not often found in restorations include: Stiff Gentian, Bottle Gentian, Hoary Puccoon, Fringed Puccoon, Pasque Flower, Prairie Violet, Bird’s Foot Violet, Prairie Larkspur, Great Blue Lobelia, Spiked Lobelia, Wood Betony, Wood Lily, Pussy Toes, Ground Plum, Ground Cherry, Blue Eyed Grass, Yellow Star Grass, Prairie Turnip, Silky Aster, Prairie Phlox and Veiny Pea.

Martin SWCD will expand our inventory of at-risk species, continue to work with the 118 species collected from 33 sites through the Recovery of At-Risk Native Prairie Species project and survey and monitor additional remnants for at-risk plant populations. Most of the collection sites are located on private property where the landowners either donate the seed or are compensated for the value of the seed collected. Compensation to the landowners for the value of harvested plant materials helps reinforce the value of these parcels to remain natural rather than converting the remnants to other uses for financial gain.

Martin SWCD will share what it has learned through previously funded projects with all of the partnering SWCDs and their supporting partners. Lake County SWCD and Crow Wing SWCD will receive more one-on-one attention, while the remaining counties, as members of the Greater Blue Earth River Basin Alliance and Cooperative Weed Management Area, already attend monthly meetings where projects and strategies can continue to be discussed and coordinated. This project will expand partners’ capabilities to work across political boundaries to preserve and enhance native habitats across the state. We will continue to partner with the Greater Blue Earth Cooperative Weed Management Area, replacing invasive species with local ecotype natives. The Prairie Enthusiasts - Many Rivers Chapter adds Nicollet County to the project area. Much of the expertise found within local, state and federal conservation agencies becomes available through the dedicated service of volunteers from these local organizations.

We expect to develop teams of natural resource professionals and volunteers in Crow Wing County and Lake County to help make local project decisions in those two project areas. Some of that groundwork has already been done with resource professionals and volunteers identified. In the cluster of 11 Southern Minnesota counties, agency staff, volunteers and organizations have a history of coordinating projects and providing support and input. Most, but not all, of the partners have been identified for this area.

Education, outreach and transfer of propagation techniques will occur across at least 13 counties, building local capabilities. The expertise gained from this project will be passed on to the next generation of conservationists. Educational activities and projects will contact at least 500 students for varied levels of involvement with the

project. Scout Troops, 4-H Clubs, FFA Chapters and other youth organizations will take on components of the project as a club activity. Seed collection, seed cleaning, planting, site preparation and weed control are activities for youth involvement, individually or in groups of up to 20 or more. Project partners will also strive to increase the knowledge interested citizens have of native species and help them to get involved with the parts of projects they are most interested in.

III. OVERALL PROJECT STATUS UPDATES:

Project Status as of January 31, 2016:

Project Status as of July 31, 2016:

Project Status as of January 31, 2017:

Project Status as of July 31, 2017:

Project Status as of January 31, 2018:

Project Status as of July 31, 2018:

Project Status as of January 31, 2019:

Project Status as of July 31, 2019:

Project Status as of January 31, 2020:

Overall Project Outcomes and Results:

IV. PROJECT ACTIVITIES AND OUTCOMES:

ACTIVITY 1: Collect and propagate plant materials from rare/difficult to start species.

Description: Plant materials will be collected from species that have little or no presence in plantings or restorations. These species will be propagated and planted into protected sites. Species that have not produced seed will continue to be monitored to catch “their year” when seed and/or vegetative growth is produced for use in the project. We will work with approximately 160 different native plant species. Species will be propagated in greenhouse space and/or open space, including planting directly into restoration sites.

Martin SWCD staff will share the knowledge they have gained about plant propagation from previous projects with other Southern Minnesota counties and with project partners at Crow Wing and Lake Counties. A student from the University of Minnesota will assist with establishing and monitoring plantings to understand how successful the natives are in surviving after planting and their resistance to invasive species.

In the southern counties, some species are scarce locally, in part because little suitable habitat remains. Some of these species include: Rattlesnake Master, Cream Wild Indigo, Porcupine Grass, Green Needle Grass, Prairie Dropseed, Partridge Pea, Green Milkweed, White Prairie Clover and Compass Plant. These species, and even species found on several sites, will be included in the project to help build biodiversity and enhance habitat quality. Even Butterfly Milkweed, Blazing Star species, Heartleaf Alexander, Tall Dropseed, Roundheaded Bush Clover, Pale Purple Coneflower, Culver’s Root, Prairie Ragwort and many more are not that common in the natural landscape. The focus is to incorporate as many of these and the less common species back into habitat

restoration projects where the species lists have been rather short. The intent is to make the rarer species more common, to provide additional diversity on restoration sites, and to help provide these species with the capability of spreading to a larger percent of the natural landscape. Enhancing the “Restoration of Rare and Declining Habitats” practice on conservation easements and adding acres of the practice is one of the easiest ways to add diversity to the natural landscape. Plantings on park property that is designated for long term natural habitat and adding species to existing DNR owned lands will add to the project objectives. Many of these sites are dominated by non-native species that will need significant site preparation prior to planting the appropriate native species.

Offering compensation to landowners for the value of plant materials collected from their property is an important component of this activity and is also important for landowner education. Whether compensated or offering plant materials as a project donation and project match, it is important that landowners are aware of the potential economic value as well as the ecological value of natural landscapes.

Summary Budget Information for Activity 1:

ENRTF Budget: \$ 202,400
Amount Spent: \$ 0
Balance: \$ 202,400

Outcome	Completion Date
1. Research available propagation information for each new species.	June 30, 2019
2. Develop a strategy to increase the plant materials for each species.	June 30, 2019
3. Collect seed/plant material as appropriate for each species, and prepare for planting.	November 30, 2019
4. Plant seed/plant materials in trays, plots and directly into restoration sites.	June 1, 2020
5. Monitor plantings, provide species specific care and weed control as needed.	June 30, 2020
6. Transplant or seed protected sites with propagated plant materials.	June 1, 2020

Activity Status as of January 31, 2016:

Activity Status as of July 31, 2016:

Activity Status as of January 31, 2017:

Activity Status as of July 31, 2017:

Activity Status as of January 31, 2018:

Activity Status as of July 31, 2018:

Activity Status as of January 31, 2019:

Activity Status as of July 31, 2019:

Activity Status as of January 31, 2020:

Final Report Summary:

ACTIVITY 2: Planting local source native species into habitats to replace invasive species.

Description: This activity focuses on new restoration sites primarily where invasive species are being removed and replaced with competitive native species. Both prairie and forest habitats are included in this initiative. One of the main restoration goals is to fill every niche in the native landscape to increase resistance to invasion by non-native species. Adding native plant materials will provide the food base diversity to meet the needs of many species of concern on up the food chain. Work will be completed on approximately 50 sites, covering over 800 acres and will be conducted primarily on sites with permanent easements, County Parks, Municipal Parks, and State owned Wildlife Management Areas.

An example of this activity is the Perch Creek WMA and adjacent conservation easements, which are in the core of the local Blanding’s Turtle (state listed species) Priority Area. Work has been started there to remove invasive cattails, reed canary grass and smooth brome grass and replace them with local ecotype native plants that will be more suitable habitat for the turtles and the other species of wildlife using the Perch Creek corridor. New land acquisition has been a priority in this area, with one parcel recently added to the WMA and additional parcels in the process.

This area is expected to become a part of this grant project as plans for invasive species removal continue and native species are planted to replace them. On sites like these, it is extremely important to focus on site preparation to eliminate the invasive species and monitor the developing native stand to keep invasive species from reappearing. On this site there is an opportunity to allow the seedbank to respond where it exists and plant all local ecotype native plant materials to fill in the gaps where the seedbank is not there.

Martin SWCD and project partners will work with all new counties to help staff select suitable protected sites for restoration and help develop a comprehensive plan to successfully guide the removal of invasive species and replacement with local ecotype native plants. The plan will include the necessary site preparation to eliminate invasive species from the site. Species lists will be developed as needed for the various site characteristics. A planting plan, maintenance plan to ensure adequate stand development and prevent invasive species regrowth, and an agreement and budget for long term site management will be included.

Summary Budget Information for Activity 2:

ENRTF Budget: \$ 198,600
Amount Spent: \$ 0
Balance: \$ 198,600

Outcome	Completion Date
1. Remove invasive species from project sites where present.	October 31, 2019
2. Plant and/or transplant local source native plants into project sites.	June 1, 2020
3. Monitor sites, providing appropriate maintenance including weed control.	June 30, 2020

Activity Status as of January 31, 2016:

Activity Status as of July 31, 2016:

Activity Status as of January 31, 2017:

Activity Status as of July 31, 2017:

Activity Status as of January 31, 2018:

Activity Status as of July 31, 2018:

Activity Status as of January 31, 2019:

Activity Status as of July 31, 2019:

Activity Status as of January 31, 2020:

Final Report Summary:

ACTIVITY 3: Education, outreach and technology transfer. Facilitate starting new projects.

Description: This 13 county initiative provides sharing of propagation methods, planting techniques and partnerships with others who have an interest in protecting native habitats and expanding the use of local source native species into suitable locations on habitat restorations. This project will help new partners get projects on the ground. Project partners will be encouraged to take advantage of recommended training to help with the development of their propagation skills and with identification of native plant seedlings.

Martin SWCD staff will conduct at least 4 “train the trainer” events in Crow Wing and Lake Counties and will coordinate and assist with workshops in those and other area counties. Staff from Crow Wing and Lake Counties will share their gained knowledge with each other and will also travel to Southern Minnesota for educational events and to see the actual growing equipment, propagation sites and project sites. Activities and projects will contact and involve at least 500 students and 100 adults in the 3 project areas (Southern Minnesota, Crow Wing County, and Lake County).

As soon as project activities can start, field trips will be planned with new project partners to inventory native plant collection sites and evaluate potential restoration sites. Species monitoring from bloom to seed collection will be reviewed for each species to be included in the project. Seed collection timing, seed handling, seed preparation, seed storage, seed stratification, seed scarification, inoculants, site preparation, planting methods, growing medium, growing containers, growing conditions, greenhouse or sheltered propagation locations and starter plot locations are some of the important topics that need to be considered for each individual species and each project site, as well as for the project in general.

Funding for this activity will be used to train everyone involved in the project and to assist them with gaining hands on experience to complete all the steps necessary in the habitat restoration process: from collection site identification and verification through site preparation, planting, maintenance, weed control and long term maintenance and management of the restoration site. This activity will assist with the installation of new projects in new locations and help pass the expertise on to those who will need to manage the restored areas in the future. Education will be provided to the owners of native landscapes about the importance of protecting and maintaining their property. The importance of invasive species monitoring and removal and the importance of not planting exotic species and even cultivars of native species within and adjacent to native landscapes will be incorporated into this activity. The ecological importance and value of these pockets of natural landscape will be a focus of our education program.

A good share of the cost of this activity is time. It is primarily compensation for time spent educating and learning and seeking out those key people who have the expertise that can be honed to help make this project successful in multiple locations throughout Minnesota.

Summary Budget Information for Activity 3:

ENRTF Budget: \$ 94,000
Amount Spent: \$ 0
Balance: \$ 94,000

Outcome	Completion Date
1. Provide outreach to new potential users of project strategies and methods.	December 31, 2017
2. Work with identified project partners, train new individuals and expand capabilities.	October 31, 2018
3. Develop projects in new locations, expanding expertise to meet local needs.	June 30, 2018
4. Hold workshops to train the trainers for project implementation.	June 30, 2018
5. Hold workshops to educate and train the public as part of each local project kickoff.	October 31, 2019
6. Install projects in new areas, in counties where projects have not been done yet.	December 31, 2019

Activity Status as of January 31, 2016:

Activity Status as of July 31, 2016:

Activity Status as of January 31, 2017:

Activity Status as of July 31, 2017:

Activity Status as of January 31, 2018:

Activity Status as of July 31, 2018:

Activity Status as of January 31, 2019:

Activity Status as of July 31, 2019:

Activity Status as of January 31, 2020:

Final Report Summary:

V. DISSEMINATION:

Description: Project progress and results will be posted on the Martin SWCD website: www.martinswcd.net. The project will be featured twice each year in Martin County's "Conservation Update" which goes out countywide. Throughout this period, the project will be featured on numerous radio broadcasts and in supplemental educational articles through the local newspapers and other available media outlets of participant counties.

Status as of January 31, 2016:

Status as of July 31, 2016:

Status as of January 31, 2017:

Status as of July 31, 2017:

Status as of January 31, 2018:

Status as of July 31, 2018:

Status as of January 31, 2019:

Status as of July 31, 2019:

Status as of January 31, 2020:

Final Report Summary:

VI. PROJECT BUDGET SUMMARY:

A. ENRTF Budget Overview:

Budget Category	\$ Amount	Overview Explanation
Personnel:	\$ 101,960	1 project manager at 10% FTE each year for 5 years; 1 technician at 10% FTE each year for 5 years; 1 Seasonal Staff at 20% FTE each year for 4 years
Professional/Technical/Service Contracts:	\$ 228,000 total <ul style="list-style-type: none"> • \$ 15,000 • \$ 80,000 • \$ 66,500 • \$ 66,500 	<ul style="list-style-type: none"> • Minnesota Crop Improvement Association for inspections of sites • 1 contract with the University of Minnesota for data collection, project tracking • Personnel, supplies, mileage, and travel expenses for Crow Wing County • Personnel, supplies, mileage, and travel expenses for Lake County
Equipment/Tools/Supplies:	\$ 78,000 total <ul style="list-style-type: none"> • \$ 75,000 • \$ 3,000 	<ul style="list-style-type: none"> • Plant materials • Soils testing
Printing:	\$ 5,000	Printing of educational materials
Travel Expenses in MN:	\$ 8,560	Mileage, lodging, meals
Other:	\$ 73,480 total <ul style="list-style-type: none"> • \$ 1,000 • \$ 72,480 	<ul style="list-style-type: none"> • Facility rent • Project costs: Mechanical debris removal/management, site preparation, mechanical planting, equipment rental, custom site preparation work
TOTAL ENRTF BUDGET: \$ 495,000		

Explanation of Use of Classified Staff: N/A

Explanation of Capital Expenditures Greater Than \$5,000: N/A

Number of Full-time Equivalents (FTE) Directly Funded with this ENRTF Appropriation: 1.8

Number of Full-time Equivalents (FTE) Estimated to Be Funded through Contracts with this ENRTF Appropriation: 4.5

B. Other Funds:

Source of Funds	\$ Amount Proposed	\$ Amount Spent	Use of Other Funds
Non-state			

Fox Lake Conservation League, Martin County Conservation Club (In-kind support)	\$ 5,000	\$ 0	Incentives toward volunteer services working directly on project activities
Martin County SWCD (In-kind support)	\$ 15,000	\$ 0	Work directly on project activities
Lake County SWCD (In-kind support)	\$ 15,000	\$ 0	Work directly on project activities
City of Brainerd (In-kind support)	\$ 1,000	\$ 0	Staff and/or equipment toward project work
Local Associations/Groups in Crow Wing County (In-kind support)	\$ 750	\$ 0	Project work
Landowner match (In-kind support)	\$ 1,750	\$ 0	Project work
Fox Lake Conservation League, Martin County Conservation Club (Cash support)	\$ 3,250	\$ 0	Match for the Greater Blue Earth River Basin Alliance Cooperative Weed Management grant through BWSR
State			
Greater Blue Earth River Basin Alliance Cooperative Weed Management grant through BWSR	\$ 15,000	\$ 0	Removal of invasive species
TOTAL OTHER FUNDS:	\$ 56,750	\$ 0	

VII. PROJECT STRATEGY:

A. Project Partners:

Project Partners Receiving Funds:

- Crow Wing County SWCD: \$54,080 to perform field research and project work.
- Lake County SWCD: \$54,080 to perform field research and project work.
- University of Minnesota: \$80,000 to collect field data (what species are most resilient to invasive species, what species have the best survival rates, etc).

Project Partners Not Receiving Funds:

- Counties/SWCDs in Blue Earth, Brown, Cottonwood, Faribault, Freeborn, Jackson, Le Sueur, Nicollet, Waseca, and Watonwan Counties: Providing local knowledge and project assistance.
- University of Minnesota Center for Integrated Natural Resource and Agricultural Management, Dean Current, Program Director: Providing field research knowledge.
- DNR Wildlife Research, Randy Schindle: Providing native plant expertise.
- DNR Nongame Specialist, Regional Ecologist and SNA Prairie Specialist: providing technical assistance and informational materials including department native seed origin guidelines and recommendations.
- The Prairie Enthusiasts - Many Rivers Chapter: Providing volunteer support.
- MN Board of Water and Soil Resources, Dan Shaw, Native Vegetation Specialist: Providing native plant expertise.
- Natural Resources Conservation Service: Providing Conservation Program expertise.

Lake County SWCD and Crow Wing SWCD will receive more one-on-one attention which is why they are receiving funding. The remaining counties, as members of the Greater Blue Earth River Basin Alliance and Cooperative Weed Management Area, already attend monthly meetings where projects and strategies can continue to be discussed and coordinated.

B. Project Impact and Long-term Strategy:

This project is part of a long term strategy to protect and manage natural landscapes and deal with invasive plant species that are invading and replacing the native species. These native species provide the habitat vital to the survival of the rare and at-risk species which rely on diverse native habitats for survival.

Management strategies developed or modified to meet local conditions and needs through this project are expected to be useful for habitat protection and restoration projects throughout the state. This project will work within the existing Cooperative Weed Management Area and encourage the expansion of CWMA efforts.

Key individuals and organizations will be identified in each project area to help develop the enthusiasm to drive and move the projects into the future, providing the support for maintenance activities and continuing to protect and add diversity to ecosystems as they develop.

Continued efforts to reduce the devastating impacts of invasive species and the protection and restoration of native plant communities will be needed from the LCCMR and many other sources if we are going to protect native habitats for future generations. The need is long term and statewide.

C. Funding History:

Funding Source and Use of Funds	Funding Timeframe	\$ Amount
ENRTF for 2011-4n "Recovery of At-Risk Native Prairie Species"	FY 12-14	\$ 147,000
ENRTF for 2008-3n "Prairie Ecosystem Restoration Project"	FY 09-10	\$ 80,000
USFWS Private Stewardship Grant	FY 03-04	\$ 35,800

VIII. FEE TITLE ACQUISITION/CONSERVATION EASEMENT/RESTORATION REQUIREMENTS:

A. Parcel List: See attached

B. Acquisition/Restoration Information:

Restoration

- 1. Provide a statement confirming that all restoration activities completed with these funds will occur on land permanently protected by a conservation easement or public ownership.** All restoration activities being completed with funding through this project will be done on land protected by perpetual conservation easements or under public ownership and designated for long term protection.
- 2. Summarize the components and expected outcomes of restoration and management plans for the parcels to be restored by your organization, how these plans are kept on file by your organization, and overall strategies for long-term plan implementation.** For land protected by RIM perpetual conservation easements, the management plan is already on file in the SWCD office. If additional species are added to an existing practice, those species are listed on the plan or plan attachment and if any special care is needed, that information is added to the management plan. If the conservation plan is modified to change the practice, the plan revision will be approved by BWSR prior to beginning work. The practice "permanent vegetation already established" often is made up of or contains invasive species that must be removed for restoration work to be successful. Funding through BWSR will be applied for if available and if appropriate for the proposed project work. Periodic easement spot checks are required and any special maintenance needs will be noted for inclusion in these checks. For projects on publicly owned land, a conservation and maintenance plan will be developed with the public entity to ensure the site is protected and that the appropriate maintenance is scheduled for the native plant populations being restored and/or protected. A

copy of project agreements and plans will be kept in a cooperator file at the SWCD office and a copy will be provided to the public land manager.

3. **Describe how restoration efforts will utilize and follow the Board of Soil and Water Resources “Native Vegetation Establishment and Enhancement Guidelines” in order to ensure ecological integrity and pollinator enhancement.** All habitat restoration projects utilize the BWSR “Native Vegetation Establishment and Enhancement Guidelines” as a starting point for local ecotype source plantings. Maintaining a constant bloom period throughout the growing season is one of the project goals intended to ensure the establishment and development of ecological integrity and pollinator enhancement on the project sites.
4. **Describe how the long-term maintenance and management needs of the parcel being restored with these funds will be met and financed into the future.** On conservation easements, work is being done with landowners who are enthusiastic about working with local ecotype native species and committed to providing the necessary maintenance to protect the work that is being done. RIM program funds will be requested if needed. Maintenance needs, including long term maintenance, are included in the plan for publicly owned land. The public land manager will agree to cover the cost of maintenance and have a plan to seek funds to cover the costs if needed. Assistance will be provided to help plan and budget for long term management and maintenance.
5. **Describe how consideration will be given to contracting with Conservation Corps of Minnesota for any restoration activities.** Martin SWCD has been utilizing the Conservation Corps of Minnesota for help with project work and will continue to seek their assistance as well as to encourage partners to utilize their services.
6. **Provide a statement indicating that evaluations will be completed on parcels where activities were implemented both 1) initially after activity completion and 2) three years later as a follow-up. Evaluations should analyze improvements to the parcel and whether goals have been met, identify any problems with the implementation, and identify any findings that can be used to improve implementation of future restoration efforts at the site or elsewhere.** Many of the species being added to the conservation landscape are often slow to emerge and can remain dormant for several years at a time. In order to properly evaluate success, project sites will need to be monitored for several years in order to document each species as they appear within the developing ecosystem. Annual evaluations will be conducted to measure species diversity and plant density with the intent to add additional species if needed. During the first two years of establishment, multiple visits will be made to monitor stand development and stay on top of weed pressure and provide invasive species removal as needed.

IX. VISUAL COMPONENT or MAP(S): See attached map

X. RESEARCH ADDENDUM: N/A

XI. REPORTING REQUIREMENTS:

Periodic work plan status update reports will be submitted no later than January 31, 2016; July 31, 2016; January 31, 2017; July 31, 2017; January 31, 2018; July 31, 2018; January 31, 2019; July 31, 2019; and January 31, 2020. A final report and associated products will be submitted between June 30 and August 15, 2020.

**Environment and Natural Resources Trust Fund
M.L. 2015 Project Budget**



Project Title: Thirteen Counties Propagating Native Plants and Restoring Diverse Habitats

Legal Citation: M.L. 2015, Chp. xx, Sec. xx, Subd. xx

Project Manager: Rich Perrine

Organization: Martin Soil and Water Conservation District

M.L. 2015 ENRTF Appropriation: \$495,000

Project Length and Completion Date: 5 Years, June 30, 2020

Date of Report: 1/15/15

ENVIRONMENT AND NATURAL RESOURCES TRUST FUND BUDGET	Activity 1 Budget	Amount Spent	Activity 1 Balance	Activity 2 Budget	Amount Spent	Activity 2 Balance	Activity 3 Budget	Amount Spent	Activity 3 Balance	TOTAL BUDGET	TOTAL BALANCE
BUDGET ITEM	<i>Collect and propagate plant materials from rare/difficult to start species.</i>			<i>Planting local source native species into habitats to replace invasive species.</i>			<i>Education, outreach and technology transfer. Facilitate starting new projects.</i>				
Personnel (Wages and Benefits)	\$31,960	\$0	\$31,960	\$40,000	\$0	\$40,000	\$30,000	\$0	\$30,000	\$101,960	\$101,960
Rich Perrine, Martin SWCD, Project Manager: \$41,600 (70% salary, 30% benefits); 10% FTE each year for 5 years											
Ashley Brenke, Martin SWCD, Technician: \$35,400 (70% salary, 30% benefits); 10% FTE each year for 5 years											
1 Seasonal Staff: \$24,960 (90% salary, 10% benefits); 20% FTE each year for 4 years to be used in Martin County and surrounding 10 counties											
Professional/Technical/Service Contracts											
Contract with the Minnesota Crop Improvement Association to track genetic origin of native plant materials and maintain "Yellow Tag" eligibility for each species. Includes inspections of collection and planting sites and the tracking documentation. (Approx. 0.1 FTE)	\$5,000	\$0	\$5,000	\$10,000	\$0	\$10,000				\$15,000	\$15,000
1 Graduate Assistant, Activity/Field Coordinator, data collection, project tracking: \$80,000 (90% salary, 10% benefits); 100% FTE for 2 years through the University of Minnesota Center for Integrated Natural Resource and Agricultural Management, Dean Current, Program Director	\$40,000	\$0	\$40,000	\$20,000	\$0	\$20,000	\$20,000	\$0	\$20,000	\$80,000	\$80,000
1 Restoration Technician in Crow Wing County: \$29,120 (70% salary, 30% benefits); 10% FTE each year for 4 years, Propagation supplies	\$15,120	\$0	\$15,120	\$12,000	\$0	\$12,000	\$2,000	\$0	\$2,000	\$29,120	\$29,120
1 Native Plant Grower in Crow Wing County: \$24,960 (70% salary, 30% benefits); 20% FTE each year for 4 years to be used as needed where project activity is being focused within all participating counties	\$16,960	\$0	\$16,960	\$8,000	\$0	\$8,000				\$24,960	\$24,960
Propagation supplies for Crow Wing County: 100 Trays, inserts - 10 cases, 0.5 ton growing medium ingredients to blend a "soiless mix", trowels, gloves, spades, shovels, saws, shears, sprayers.	\$5,500	\$0	\$5,500	\$1,000	\$0	\$1,000	\$1,000	\$0	\$1,000	\$7,500	\$7,500
Mileage in Crow Wing County for local travel and mileage, lodging, and meals for outreach, education, and project development at distant sites for Crow Wing County	\$1,600	\$0	\$1,600	\$1,200	\$0	\$1,200	\$2,120	\$0	\$2,120	\$4,920	\$4,920
				06/07/2015						Subd.	08b

1 Restoration Technician in Lake County: \$29,120 (70% salary, 30% benefits); 10% FTE each year for 4 years	\$15,120	\$0	\$15,120	\$12,000	\$0	\$12,000	\$2,000	\$0	\$2,000	\$29,120	\$29,120
1 Seasonal Staff in Lake County: \$24,960 (90% salary, 10% benefits); 20% FTE each year for 4 years to be used as needed where project activity is being focused within all participating counties	\$12,960	\$0	\$12,960	\$12,000	\$0	\$12,000				\$24,960	\$24,960
Propagation supplies and tools for Lake County: 100 Trays, inserts - 10 cases, 0.5 ton growing medium ingredients to blend a "soiless mix", trowels, gloves, spades, shovels, saws, shears, sprayers.	\$5,500	\$0	\$5,500	\$1,000	\$0	\$1,000	\$1,000	\$0	\$1,000	\$7,500	\$7,500
Mileage in Lake County for local travel and mileage, lodging, and meals for outreach, education, and project development at distant sites for Lake County	\$1,600	\$0	\$1,600	\$1,200	\$0	\$1,200	\$2,120	\$0	\$2,120	\$4,920	\$4,920
Equipment/Tools/Supplies											
Plant materials: Approx. 500 lbs of pure live seed @ \$75/lb. ave.; cuttings, roots, rhizomes, bulbs 10,000 @ \$1.00 ea.; plants 10,000 @ \$2.00 ea; trees & shrubs 3,750 @ \$2.00 ea.	\$40,000	\$0	\$40,000	\$35,000	\$0	\$35,000				\$75,000	\$75,000
Soils testing: sampling supplies and sample analysis	\$3,000	\$0	\$3,000							\$3,000	\$3,000
Printing											
Education/outreach supplies: Publications, handouts, visual aids							\$5,000	\$0	\$5,000	\$5,000	\$5,000
Travel expenses in Minnesota											
Mileage in Southern Minnesota for local travel averaging less than 50 miles per round trip, 110 trips between collection, propagation and planting sites (approx. 5,000 miles)	\$1,600	\$0	\$1,600	\$1,200	\$0	\$1,200				\$2,800	\$2,800
11 trips for outreach, education, speakers and project development at distant sites: Mileage for 500 miles average round trip (approx. 5,500 miles), lodging and meals (approx. \$2,680)							\$5,760	\$0	\$5,760	\$5,760	\$5,760
Other											
Education/outreach expenses: Facility rent for workshops and project kickoff events							\$1,000	\$0	\$1,000	\$1,000	\$1,000
Project costs: Mechanical debris removal/management, site preparation and mechanical planting, equipment rental and custom work on approximately 55 individual projects	\$6,480	\$0	\$6,480	\$44,000	\$0	\$44,000	\$22,000	\$0	\$22,000	\$72,480	\$72,480
COLUMN TOTAL	\$202,400	\$0	\$202,400	\$198,600	\$0	\$198,600	\$94,000	\$0	\$94,000	\$495,000	\$495,000

Environment and Natural Resources Trust Fund

M.L. 2015 Parcel List

Project Title: Thirteen Counties Propagating Native Plants and Restoring Diverse Habitats

Legal Citation: M.L. 2015, Chp. xx, Sec. xx, Subd. xx

Project Manager: Rich Perrine

Organization: Martin Soil and Water Conservation District

M.L. 2015 ENRTF Appropriation: \$495,000

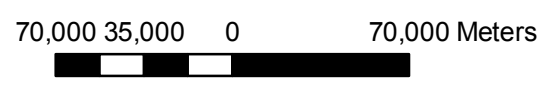
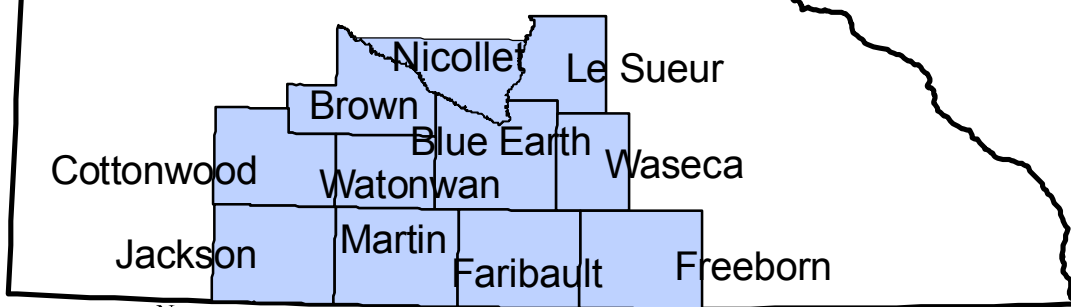
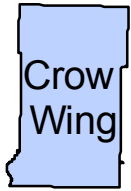
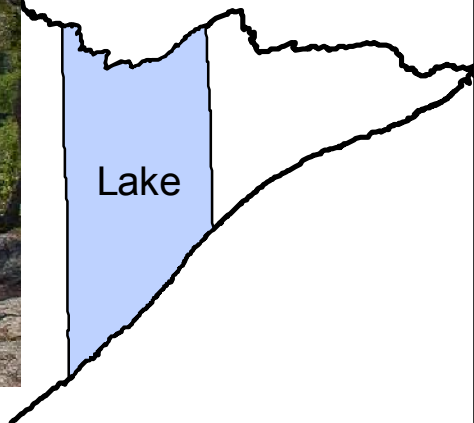
Project Length and Completion Date: 5 Years, June 30, 2020

Date of Report: 1/15/15

#	Acquisition or Restoration Parcel Name	Geographic Coordinates Format: [Deg.]° [Min.]' [Sec.]" [Hemis.]		Estimated Cost	Estimated Annual PILT Liabilities	County	Site Significance	Activity Description	# of Acres	# of Shoreline Miles	Type of Landowner	Proposed Fee Title or Easement Holder (if applicable)	Status
		Latitude	Longitude										
1	Timberlane Co Park	43° 30' 39.8556" N	94° 27' 50.9832" W		N/A	Martin	Forest, County Park	Vegetation enhancement	20	0.05	Government	N/A	
2	Perch Lake Co Park	43° 47' 56.997" N	94° 28' 18.789" W		N/A	Martin	Forest, County Park	Vegetation enhancement	15	0	Government	N/A	
3	Cedar Hanson Co Park	43° 47' 48.3036" N	94° 44' 10.4598" W		N/A	Martin	Forest, Prairie, County Park	Vegetation enhancement	10	1	Government	N/A	
4	Wolter Co Park	43° 33' 28.0722" N	94° 22' 6.1746" W		N/A	Martin	Shoreland, County Park	Vegetation enhancement	0.25	0.05	Government	N/A	
5	Cedar Creek City Park	43° 36' 31.2876" N	94° 28' 45.1416" W		N/A	Martin	Forest, Prairie, City Park	Invasive species removal, native planting	15	0	Government	N/A	
6	Perch Creek WMA	43° 50' 34.3896" N	94° 28' 10.1676" W		N/A	Martin	Wetland, WMA	Vegetation enhancement	80	0	Government	N/A	
7	Mountain Lake Trail	43° 56' 51.5940" N	94° 56' 13.1028" W		N/A	Cottonwood	Forest, Prairie, City Park	Invasive species removal, native planting	30	0.75	Government	N/A	
8	Buffalo Creek Trail Corridor	46° 20' 24.0282" N	94° 12' 58.143" W		N/A	Crow Wing	Prairie, Savanna, Forest	Vegetation enhancement	4	0	Government	N/A	
9	Northland Arboretum	46° 21' 29.7786" N	94° 13' 45.282" W		N/A	Crow Wing	Area education center	Pollinator habitat	0.05	0	Non-profit	N/A	
10	Cuyuna Lakes Bike Trail	46° 29' 23.175" N	94° 0' 3.4734" W		N/A	Crow Wing	Forest	Vegetation enhancement, stabilization	0.25	0	Government	N/A	
11	Whiskey Creek	46° 21' 33.2388" N	94° 13' 38.1426" W		N/A	Crow Wing	Savanna, Wetland	Vegetation enhancement	1	0	Non-profit	N/A	
12	Silver Bay				N/A	Lake		Vegetation enhancement	1		Government	N/A	
13	Beaver Bay				N/A	Lake		Vegetation enhancement	1		Government	N/A	
14	Finland				N/A	Lake		Vegetation enhancement	0.5		Government	N/A	
15	Two Harbors				N/A	Lake		Vegetation enhancement	2		Government	N/A	
16													
17													
18													

NOTES: One of the components of the project is to locate additional native species source sites and restoration sites, particularly in new partner counties. In Lake County, commitment has been secured, but exact site locations are to be selected as a part of the project. Additional restoration sites in several of the counties will be secured as educational components are completed.

Thirteen Counties Propagating Native Plants, Restoring Diverse Habitats



1:3,000,000

