



# Environment and Natural Resources Trust Fund (ENRTF) M.L. 2016 Work Plan

**Date of Report:** May 29, 2016

**Date of Next Status Update Report:** January 1, 2017

**Date of Work Plan Approval:** June 7, 2016

**Project Completion Date:** January 1, 2019

**Does this submission include an amendment request?** No

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**PROJECT TITLE:** Champlin Mill Pond Shoreland Restoration

**Project Manager:** Todd Tuominen

**Organization:** City of Champlin MN

**Mailing Address:** 11955 Champlin Drive

**City/State/Zip Code:** Champlin, MN 55316

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**Location:** City of Champlin, Minnesota

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**Total ENRTF Project Budget:**

**ENRTF Appropriation:** \$2,000,000

**Amount Spent:** \$0

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**Balance:** \$2,000,000

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**Legal Citation:** M.L. 2016, Chp. 186, Sec. 2, Subd. 08i

**Appropriation Language:**

\$2,000,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Champlin to restore the Champlin Mill Pond shoreline and adjacent habitat. Plant and seed materials must follow the Board of Water and Soil Resources' native vegetation establishment and enhancement guidelines. This appropriation is available until June 30, 2019, by which time the project must be completed and final products delivered.

**I. PROJECT TITLE:** Champlin Mill Pond Shoreland Restoration

**II. PROJECT STATEMENT:**

The City of Champlin's Northern Gateway is a high priority project that in cooperation with the Elm Creek Watershed Management Commission will restore water resources in the Northern Gateway to the City. The City of Champlin is the lead agency for the entire cooperative project, phase I started in 2015 includes reconstruction of Historic Elm Creek Dam. Total estimated cost for phase I is \$5,700,000 with local match of \$3,286,000.

The Champlin Mill Pond Shoreland and Aquatic Habitat Restoration the second phase of the project, will improve the aquatic habitat utilizing a variety of habitat improvement practices to maintain and enhance game fish populations, improve nesting habitat for migratory birds and establish native vegetation. The City of Champlin has invested funding resources to complete preliminary services in 2013-2014 for the project. These services include Mill Pond sediment investigation studies, conceptual planning, hydrologic evaluations, habitat restoration conceptual plans, preliminary engineering plans and project estimates. This phase of the project will 1) restore twenty two acres (13,000 linear feet) of lakeshore through removal and invasive plant species, stabilization of shoreland grades, native live plant material and wetland seed planting, 2) restore fourteen acres of upland lakeshore buffers through grade stabilization and upland seed planting, 3) installation of nine acres of in-lake habitat structures for fish populations, and 4) four acres of sanctuary restoration for migratory birds and wildlife species.

The City of Champlin will select an engineer consultant through a request for qualifications process. The selected consultant will work directly with the City of Champlin and project advisory panel to complete design, engineering, environmental permitting and construction supervision for the duration of the project. A construction contractor will be selected through a request for proposal process to complete all construction services with exception to planting live plant material (wetland plugs, shrubs and trees) which will be completed by the Minnesota Conservation Corps.

The Champlin Mill Pond Shoreland and Aquatic Habitat Restoration project addresses three main objectives:

I. Restoration: Restoration of lakeshore, upland buffers, in-lake fish habitat and migratory bird and wildlife sanctuary habitat to restore natural ecological function of the Mill Ponds and native diversity protected under perpetuity by the City of Champlin.

II. Monitoring and Maintenance: The City of Champlin in cooperation with project partners including the Elm Creek Watershed and MNDNR will monitor plant community diversity, fish and wildlife populations on a yearly basis to ensure abundance and diversity levels that occur within the project are recorded yearly and this data is made available to the public. All maintenance will be completed as required by the City of Champlin.

III. Education: This project will expose students and the public to a lakeshore, fish and wildlife habitat restoration project that will be sustained by the City of Champlin. The City of Champlin will provide educational outreach to students and the public. In addition the public will enjoy the recreational benefits long after the life of the grant. The restoration project will be incorporated into interpretive signage to disseminate the value and benefit of restoration project.

**III. OVERALL PROJECT STATUS UPDATES:**

**Project Status as of: January 1, 2017**

**Project Status as of: July 1, 2017**

**Project Status as of: January 1, 2018**

**Project Status as of: June 1, 2018**

**Project Status as of: January 1, 2019**

**Overall Project Outcomes and Results:**

**IV. PROJECT ACTIVITIES AND OUTCOMES:**

**ACTIVITY 1:** Final Design, Engineering and Environmental Permitting for the Mill Pond aquatic habitat, lakeshore land and lakeshore buffer restoration.

**Description:**

Final design and engineering/construction plans of migratory bird habitat, in-lake habitat cobble and wood structures, riffle pools at the inlet of the mill pond, lakeshore restoration and lakeshore upland buffers. Project permit requirements will include MNDNR public waters, MNWCA, US Army Corps of Engineers 404 and MPCA NPDES. The engineer will complete all bid specifications for public RFP process. Construction contractor will be selected which will require construction supervision and permit compliance inspections during the habitat restoration construction services.

**Summary Budget Information for Activity 1:**

**ENRTF Budget:** \$ 350,000.00  
**Amount Spent:** \$ 0  
**Balance:** \$ 350,000.00

<b>Outcome</b>	<b>Completion Date</b>
<b>1.</b> Selected engineering consultant will complete all technical analysis required to complete <i>final design and construction plans for the project. All design and construction plans will be completed in cooperation with the Technical Advisory Panel and the MNDNR. All project plans will be submitted to the City of Champlin and reviewed by the City of Champlin and the Technical Advisory Panel prior to approval of the final Design.</i>	January 1, 2017
<b>2.</b> Engineering consultant will complete all <i>construction plans, bid specifications and bid walkthrough for a formal public request for proposal of construction services. The City of Champlin will complete formal review of submitted RFPs. Construction contractor will be selected not only on estimate of services by also project experience.</i>	April 1, 2017
<b>3.</b> <i>The engineering consultant will complete all environmental services required to obtain all project permits which include MNDNR public waters, MN WCA, US Army Corps of Engineers 404, MPCA NPDES Permits.</i>	May 1, 2017
<b>4.</b> <i>Engineering consultant will complete construction services supervision and permit compliance inspection during the duration of the project. This will also include project progress meetings with the construction contractor, City of Champlin, Technical Advisory Panel and MNDNR.</i>	June 1, 2018

**Activity Status as of: January 15, 2017**

**Activity Status as of: July 1, 2017**

**Activity Status as of: January 1, 2018**

**Activity Status as of: June 1, 2018**

**Activity Status as of: January 1, 2019**

**ACTIVITY 2:** Mill Pond Habitat Restoration and Construction Implementation

**Description:**

This activity includes construction materials and construction services for Mill Pond shoreland restoration, native Lakeshore Buffers, aquatic habitat and sanctuary restoration for wildlife and fish species.

**Summary Budget Information for Activity 2:**

**ENRTF Budget:** \$ 1,650,000.00  
**Amount Spent:** \$ 0  
**Balance:** \$ 1,650,000.00

<b>Outcome</b>	<b>Completion Date</b>
<b>1.</b> Selected construction contractor will complete all <i>shoreland restoration shoreland buffer construction specified in the approved final construction plans, these services will includes removal of invasive terrestrial plant species, restoration and stabilization of lake shore, installation of cobble lakeshore habitat structures and wood habitat structures for wildlife species.</i>	June 1, 2018
<b>2.</b> Construction contractor will complete all <i>In lake habitat structure construction specified in the approved final construction plan. These structures will include wood fish stick habitat, cobble spawning beds, migratory bird sanctuary habitat, cobble vanes and pools at the inlet of the mill pond.</i>	June 1, 2018
<b>3.</b> Construction contractor will complete all <i>seeding and erosion control installation or lakeshore and shoreland buffers specified in the approved final construction plans.</i>	June 1, 2018
<b>4.</b> Minnesota Conservation Corps will complete all live plant material plantings which include aquatic plants, shrubs and trees specified in the approved final construction plans.	June 30, 2018
<b>5.</b> Final Report Summary	January 1, 2019

**Activity Status as of: July 15, 2017**

**Activity Status as of: December 15, 2017**

**Activity Status as of: January 15, 2018**

**Activity Status as of: June 1, 2018**

**Activity Status as of: January 1, 2019**

**Final Report Summary:**

**V. DISSEMINATION:**

**Description:**

The City of Champlin is committed to the long term maintenance of the Mill Pond natural habitat. The City will provide information to the public throughout the duration of the project and post construction via the City of Champlin’s website, City of Champlin’s Facebook page, presentations to the public, project progress presentations at City Council meetings and onsite public project progress/event presentations. The City of Champlin will include an interpretive sign of the project and recognition for of the ENRTF.

**Status as of: January 15, 2017**

**Status as of: June 15, 2017**

**Status as of: January 15, 2018**

**Status as of: June 15, 2018**

**Status as of: January 1, 2019**

**Final Report Summary:**

**VI. PROJECT BUDGET SUMMARY:**

**A. ENRTF Budget Overview:**

City of Champlin will complete RFQ process for to select an engineering consultant which will complete professional and technical services. City of Champlin will select a construction contractor through an rfp process to complete construction services with exception to all live plant material planting which will be completed by the Minnesota Conservation Corps.

Budget Category	\$ Amount	Overview Explanation
Professional/Technical/Service Contract:	\$ 350,000.00	Engineering/Design/Permitting
Construction Service Contract	\$ 965,000.00	Construction Services
Construction Service Contract	\$ 100,000.00	Seeding and Erosion Control
Construction Service Contract	\$ 45,000.00	Conservation Corps – Live plant plantings
Equipment/Tools/Supplies:	\$ 540,000.00	Construction Materials and Supplies
<b>TOTAL ENRTF BUDGET:</b>	<b>\$ 2,000,000.00</b>	

**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:** N/A

**In Kind Services**

City of Champlin Staff:

Construction Supervision (0.45 FTE)

Project Manager (0.45 FTE)

Administration (0.30 FTE)

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

**Competitive Bidding Process**

Final Design/Engineering/Environmental Permitting/Construction Supervision Contract:

The total FTE is representative of the estimated project costs, estimated FTE subject to competitive contract.

Project Manager (0.20 FTE)

Environmental Designer (0.10 FTE)

Professional Engineer (0.25 FTE)

Hydrologist (0.15 FTE)

CAD Designer (0.25 FTE)

Environmental Scientist (0.10 FTE)

Construction Supervision (0.30 FTE)

Permit Compliance Inspector (0.10 FTE)

Construction Services Contract:

Construction services contract will be a lump competitive contract.

All live plant materials plantings this includes aquatic plugs, trees and shrubs will be contracted with the MN Conservation Corps at a lump sum contract cost.

**B. Other Funds:**

Source of Funds	\$ Amount Proposed	\$ Amount Spent	Use of Other Funds
<b>Non-state</b>			
City of Champlin	\$ 750,000.00	\$0	City of Champlin Seeking also \$3.3 M Bond Funding from the State of Minnesota.
City of Champlin – In Kind Serv.	\$ 250,000.00	\$0	
Elm Creek Watershed	\$ 60,000.00	\$0	
<b>TOTAL OTHER FUNDS:</b>	<b>\$1,060,000.00</b>	<b>\$0</b>	

**VII. PROJECT STRATEGY:**

**A. Project Partners:**

The City of Champlin will be the fiscal agent receiving funds for the project. A project advisory panel will assist the City of Champlin for technical assistance for the project. The panel includes representatives from the Isaac Walton League, MNDNR, Environmental Resource Commission, Elm Creek WMC, City of Champlin Citizen Representative and Elm Creek TAC. The following local agencies will add technical assistance: Hennepin Co. Environmental Services, Elm Creek Watershed Commission, Minnesota Natural Resources Conservation Service and the US Army Corps of Engineers. Outside services required to complete the project this include environmental permitting, engineering, construction supervision and construction services.

**B. Project Impact and Long-term Strategy:**

Long term goals of the project are to restore aquatic habitat and restore structural elements upstream of the Mill Pond. A long term monitoring/maintenance plan will be implemented to assure all constructed habitat restoration measures are adequately functioning as designed for the project all required maintenance will be completed by the City of Champlin.

**C. Funding History:**

<b>Funding Source and Use of Funds</b>	<b>Funding Timeframe</b>	<b>\$ Amount</b>
Phase I Mill Pond Dam – West Mississippi WMC	2014-2016	\$125,000.00
Phase I Mill Pond Dam – City of Champlin	2014-2016	\$1,437,000.00
Phase I Mill Pond Dam – Hennepin County	2014-2016	\$1,724,000.00
Phase I Mill Pond Dam – Elm Creek WMC	2014-2016	\$62,500.00
Phase I Mill Pond Dam – Minnesota DNR	2014-2016	\$250,000.00
Phase I Mill Pond Dam – State of MN Bonding Grant	2014-2016	\$2,750,000.00
Phase II City of Champlin – Sediment Analysis Investigations	2013	\$14,500.00
Phase II City of Champlin – Habitat Restoration Concept Plans	2013	\$ 8,427.00
Phase II City of Champlin – Hydrologic Evaluations	2014	\$13,500.00

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

**A. Parcel List:**

“See Attached Parcel List”

**B. Acquisition/Restoration Information:**

Fee Title Acquisition

1. N/A
2. N/A
3. N/A
4. N/A
5. N/A

Conservation Easement Acquisition

1. N/A
2. List all adopted state, regional, or local natural resource plans in which the lands included in the parcel list are identified. Include a link to the plan if one is available.
3. N/A
4. N/A
5. N/A
6. N/A
7. N/A

**Restoration**

1. The Champlin Mill Pond is owned by the City of Champlin and under permanent public ownership.
2. A long term monitoring/maintenance plan will be implemented to assure all constructed habitat restoration measures are adequately functioning as designed for the project.
3. All live plant material and seed planted purchased for the project will be regionally native plant species. Installation of seed and live plant material will follow MNDOT and MNBWSR specified planting guidelines.
4. A long term monitoring/maintenance plan will be implemented by the City of Champlin to assure all constructed habitat restoration measures are adequately functioning as designed for the project. This will include long term vegetative monitoring to identify the progress of native vegetation establishment in addition yearly evaluations of fish and wildlife populations. All required yearly maintenance completed will be documented in the yearly monitoring reports.
5. Conservation Corps of Minnesota will be utilized for all live plant material plantings for the project.
6. As part of the annual monitoring reporting for the project; Year 1 monitoring includes existing conditions prior to restoration, site evaluation during restoration and post restoration. Year 2 monitoring includes evaluation of vegetation, wildlife/fish populations and required maintenance. Year 3 monitoring includes evaluation of vegetation, wildlife/fish populations and required maintenance. Year 4-Ongoing Yearly vegetation, wildlife/fish population monitoring. All maintenance required for the project will be complete by the City of Champlin.

**IX. VISUAL COMPONENT or MAP(S):**

“See Attached Map(s)”

**X. RESEARCH ADDENDUM:**

N/A

**XI. REPORTING REQUIREMENTS:**

**Periodic work plan status update reports will be submitted no later than January 1, 2017, July 1, 2017, January 1, 2018, July 1, 2018 and January 1, 2019. A final report and associated products will be submitted between June 1, 2018 and January 1, 2019.**

**Environment and Natural Resources Trust Fund  
M.L. 2016 Project Budget**



**Project Title:** Champlin Mill Pond Shoreland Restoration

**Legal Citation:** M.L. 2016, Chp. 186, Sec. 2, Subd. 08i

**Project Manager:** Todd Tuominen

**Organization:** City of Champlin



**M.L. 2016 ENRTF Appropriation:** \$ 2,000,000

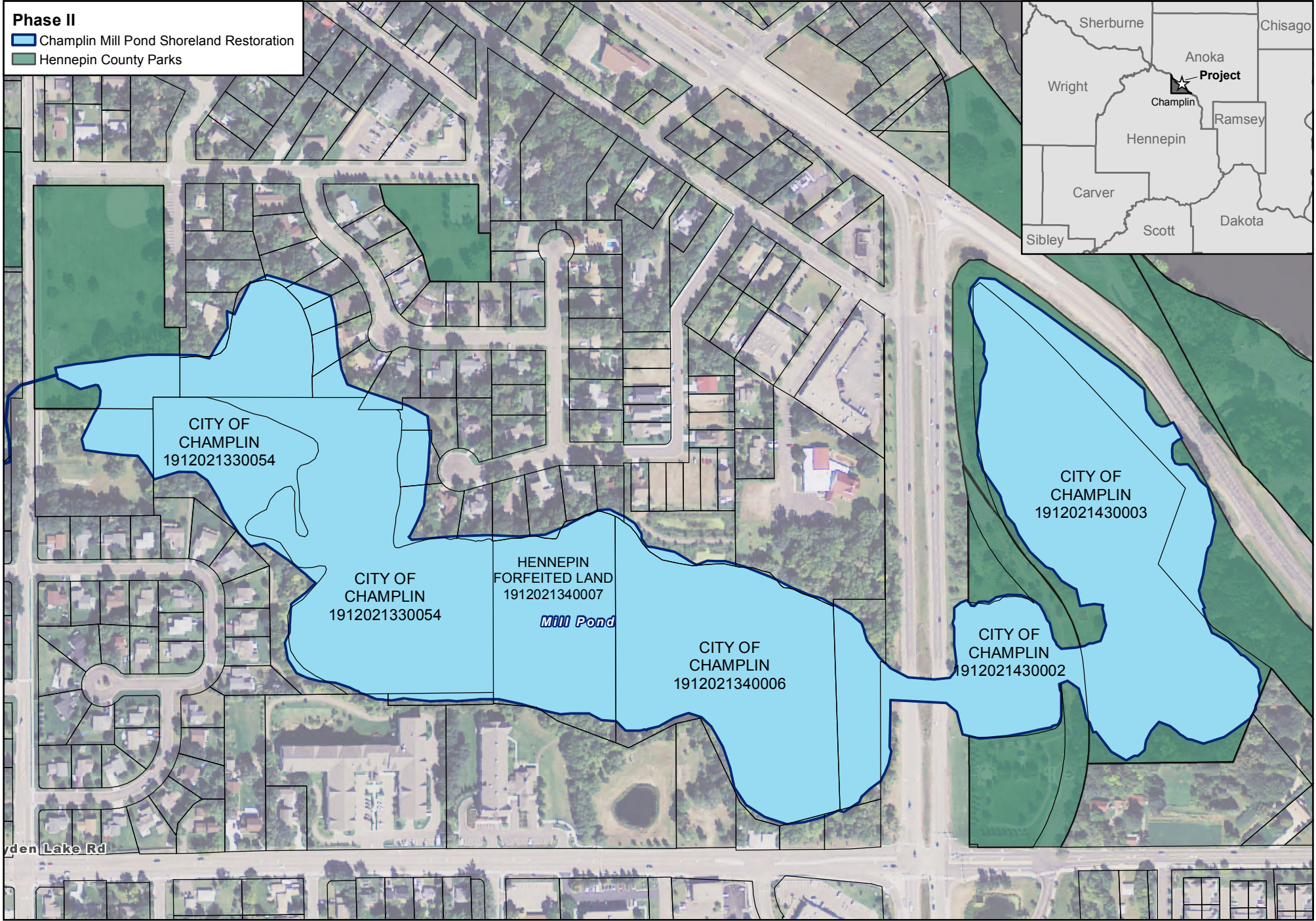
**Project Length and Completion Date:** 2 Years, January 1, 2019

**Date of Report:** May 29, 2016

<b>ENVIRONMENT AND NATURAL RESOURCES TRUST FUND BUDGET</b>	<b>Activity 1 Budget</b>	<b>Amount Spent</b>	<b>Activity 1 Balance</b>	<b>Activity 2 Budget</b>	<b>Amount Spent</b>	<b>Activity 2 Balance</b>	<b>TOTAL BUDGET</b>	<b>TOTAL BALANCE</b>
<b>BUDGET ITEM</b>	<i>Final Design, Engineering, Environmental Permitting, Construction Supervision and Permit Compliance</i>			<i>Construction Services and Materials</i>				
<b>Personnel (Wages and Benefits)</b>								
None								
<b>Professional/Technical/Service Contracts</b>								
Competitive Bid: Consulting/Engineering Firm - Final Design, Engineering, Environmental Permitting, Construction Supervision and Permit Compliance.	\$350,000	\$0	\$350,000				\$350,000	\$350,000
Competitive Bid: Seeding Contractor - Seeding and Erosion Control				\$100,000	\$0	\$100,000	\$100,000	\$100,000
Conservation Corps of Minnesota - Live Plant Material Planting				\$45,000	\$0	\$45,000	\$45,000	\$45,000
Competitive Bid: Construction Contractor - Construction Services				\$965,000	\$0	\$965,000	\$965,000	\$965,000
<b>Equipment/Tools/Supplies</b>							\$0	\$0
Native Seed				\$65,000	\$0	\$65,000	\$65,000	\$65,000
Erosion Blanket/Materials				\$40,000	\$0	\$40,000	\$40,000	\$40,000
Habitat Structure Materials				\$75,000	\$0	\$75,000	\$75,000	\$75,000
Native Plugs				\$80,000	\$0	\$80,000	\$80,000	\$80,000
Native Trees and Shrubs				\$30,000	\$0	\$30,000	\$30,000	\$30,000
Hydromulch				\$60,000	\$0	\$60,000	\$60,000	\$60,000
Rock Material for Spawn Beds/Hab Structure/Riffles				\$190,000	\$0	\$190,000	\$190,000	\$190,000
<b>COLUMN TOTAL</b>	<b>\$350,000</b>	<b>\$0</b>	<b>\$350,000</b>	<b>\$1,650,000</b>	<b>\$0</b>	<b>\$1,650,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>



**Phase II**  
 Champlin Mill Pond Shoreland Restoration  
 Hennepin County Parks



Wenden Lake Rd

**CHAMPLIN MILL POND SHORELAND RESTORATION**

CHAMPLIN, MINNESOTA 6/7/2016

