

2019 Project Abstract

For the Period Ending June 30, 2019

PROJECT TITLE: Oak Wilt Suppression at the Northern Edge

PROJECT MANAGER: Shannon Wettstein, District Manager

AFFILIATION: Morrison County Soil and Water Conservation District

MAILING ADDRESS: 16776 Heron Road

CITY/STATE/ZIP: Little Falls, MN 56345

PHONE: 320-631-3553

E-MAIL: shannon.wettstein@morrisonswcd.org

WEBSITE: <http://morrisonswcd.org/about-us>

FUNDING SOURCE: Environment and Natural Resources Trust Fund

LEGAL CITATION: M.L. 2019, First Special Session, Chp. 4, Art. 2, Sec. 2, Subd. 06b

APPROPRIATION AMOUNT: \$100,000

AMOUNT SPENT: \$100,000

AMOUNT REMAINING: \$0

Sound bite of Project Outcomes and Results

Morrison SWCD partnered with DNR Forest Health Specialists and local DNR Foresters to suppress oak wilt at 18 sites within Morrison County through mechanical means. These sites are the northern-most occurrences of oak wilt in the state through on the edge of healthy state forest habitats.

Overall Project Outcome and Results

Morrison SWCD partnered with DNR Forest Health Specialists and local DNR Foresters to suppress oak wilt at 18 sites within Morrison County. Control work was done by an experienced contractor using successful vibratory plow and tree destruction methods. Morrison County is at the leading edge of the known disease range in Minnesota. While the project was focused on private lands, the public good comes from controlling the spread to public forests of the state, and the continued habitat for turkey, grouse, deer and other wildlife.

The DNR Forest Health Specialist made numerous trips to the area to help train local resource professional staff on identification of oak wilt and confirm new spots and local DNR Foresters painted wilting trees throughout the season. At the time of grant execution, the number of known infection sites had jumped from ten to 65 triggering Morrison SWCD and DNR to prioritize work zones based on the proximity of the site to northern public forests. Highest priority sites were largely rural with large intact forests and lower priority sites were found near Little Falls, Minnesota in an actively developing residential area.

Landowners were approached by the SWCD to gain interest in oak wilt suppression activities on their properties. These property owners signed a Landowner Agreement that outlined program requirements, landowner and contractor responsibilities and timelines for treatment. The SWCD received overwhelming support from property owners, with 50 landowners signing on to be part of the program, and because of this, all the known oak wilt pockets in the high and highest priority zones were treated.

The SWCD and DNR continue to educate the public and work with landowners affected by oak wilt in the medium and low priority areas to guide them in properly addressing the disease on their properties until additional funding can be secured.

Project Results Use and Dissemination

The SWCD received overwhelming support from property owners, with 50 landowners signing on to be part of the program, and because of this, all the know oak wilt pockets in the high and highest priority zones were treated. The SWCD and DNR have both released articles to local newspapers, submitted articles for the Forest

Health Unit newsletter and alerted landowners of the presence of Oak Wilt in Morrison County and grant opportunities through talk show programs on the local radio station. Both agencies have updated their websites to reflect current grant opportunities. Website addresses for both of these are located here:
https://www.dnr.state.mn.us/treecare/forest_health/oakwilt/index.html ;
<https://morrisonswcd.org/gallery/fy2019-projects-events/oak-wilt-main>. Both organizations will include this grant award and outcomes in their 2019 annual reports.

Informational packets were created to easily send in the mail or hand to interested landowners over the counter. These packets include a contractor list of certified arborists and experienced vibratory plow operators, handouts on how to identify oak wilt along with best management practices for suppressing oak wilt and links to additional resources and references. Landowners in the low and medium priority zones where oak wilt was not addressed with these funds were given or sent a packet and told they will be notified in the future if additional funds are secured. Morrison SWCD and DNR will continue to provide technical support to these landowners so diseased pockets of oak are managed properly. The SWCD is also offering a 10% discount known affected property owners order trees through the office to help offset the cost of reforestation.



Environment and Natural Resources Trust Fund (ENRTF)

M.L. 2019 ENRTF Final Work Plan (Main Document)

Today's Date: February 26, 2020

Date of Next Status Update Report: FINAL

Date of Work Plan Approval: June 5, 2019

Project Completion Date: June 30, 2022

Does this submission include an amendment request? No

PROJECT TITLE: Oak Wilt Suppression at the Northern Edge

Project Manager: Shannon Wettstein, District Manager

Organization: Morrison County Soil and Water Conservation District

College/Department/Division:

Mailing Address: 16776 Heron Road

City/State/Zip Code: Little Falls, MN 56345

Telephone Number: 320-631-3553

Email Address: shannon.wettstein@morrisonswcd.org

Web Address: <http://morrisonswcd.org/about-us>

Location: Primarily Morrison County, but also all of Cass, Crow Wing, and Todd counties, and northern Mille Lacs County.

Total Project Budget: \$100,000

Amount Spent: \$100,000

Balance: \$0

Legal Citation: M.L. 2019, First Special Session, Chp. 4, Art. 2, Sec. 2, Subd. 06b

Appropriation Language: \$100,000 the first year is from the trust fund to the commissioner of natural resources for an agreement with Morrison Soil and Water Conservation District to eradicate the northern-most occurrences of oak wilt in the state through mechanical means on select private properties to prevent oak wilt's spread to healthy state forest habitats.

I. PROJECT STATEMENT:

The overall goal for this project is to suppress oak wilt on all known sites in Morrison County. sites in neighboring counties if identified. Eradicating the oak wilt sites will protect the surrounding forest, arrest oak wilt spread to the north and west, and ease the financial burden of oak wilt to landowners in Morrison County and communities to the north.

Oak wilt is a burgeoning invasive problem near Little Falls and threatens movement into the Brainerd area. It has the potential to kill significant percentages of trees in the nearly pure red oaks forests of the area. Oak wilt spots in Morrison County are at the edge of the known disease range in central Minnesota. Control of invasive species is optimal at their leading edge. If oak wilt is not controlled soon in this area, it will quickly grow to an unmanageable situation.

Morrison SWCD staff will contact landowners to explain the importance of oak wilt control and seek permission for control. SWCD will use grant funds to contract out 100 percent of the control work, including vibratory plowing and diseased tree removal and destruction. DNR forest health (FH) staff will help the SWCD through their on-going forest health detection surveys and through technical training and advising. If oak wilt is found in the Brainerd area, this grant could be applied there, as well as at other future oak wilt outlier locations in Todd, Cass, Crow Wing, or northern Mille Lacs counties.

While the project is focused on private lands, the public good comes from controlling the spread to public forests of the state, and the continued habitat for turkey, grouse, deer and other wildlife.

II. OVERALL PROJECT STATUS UPDATES:

First Update February 6, 2020

Morrison SWCD partnered with the Department of Natural Resources (DNR) Forest Health Specialists and local DNR foresters to suppress oak wilt at 18 sites within Morrison County. At the time of grant execution on July 1, 2019 the number of known infection sites had jumped from ten pockets to 65. DNR staff had field verified many of these sites in 2018 but additional sites were identified in 2019.

Morrison SWCD and DNR staff prioritized work zones and ranked them from Highest to Low, with the epicenter of the outbreak being low and the northern most sites being the highest priority due to the proximity to public forests near Brainerd. Wilting oaks were painted by DNR Foresters so an accurate count of each pockets size could be considered for treatment and so landowners could grasp the extent of the disease on their properties.

During this time, landowners were approached by the SWCD to garner interest in oak wilt suppression activities on their properties. These landowners signed a "Landowner Agreement" which outlined program requirements, landowner and contractor responsibilities and timelines for treatment. Landowners had to be willing to have a professional contractor vibratory plow a trench around their wilting and buffer trees. They also had to be willing to destroy the actively wilting trees.

A contract with an experienced oak wilt suppression contractor was secured and work began on October 3, 2019. Vibratory plowing was completed on 18 sites and of these sites, eight had wilting trees destroyed and buffer trees cut using grant funds. All of the sites in the high and highest priority zones were addressed. The SWCD and DNR staff continue to work with landowners affected by oak wilt to guide them in properly addressing the disease on their properties.

Amendment Request as of February 6, 2020

We are requesting an amendment to the budget to enable more on the ground treatment of oak wilt. Funds which were unused in the "Travel expenses in Minnesota" category and in the "Other" category, which included oak wilt diagnostic lab fees and public meeting outreach mailings, postage, newspaper articles and legal notices, would be transferred almost entirely to the "Professional/Technical/Service Contract" category to pay for vibratory plowing and diseased tree cutting. The remaining dollars in "Other-Public Meeting Outreach Mailings, Postage, Newspaper Articles, Legal Notices" would be transferred to "Personnel (Wages and Benefits)." Due to

the higher numbers of oak wilt pockets than we anticipated and the locations of these sites being much more far north than we initially understood, the Forest Health Specialist, Area DNR Forestry Manager and myself agreed it was more important to treat all the high and highest priority sites than continue to have outreach, travel and diagnostic money. The targeted outreach conducted by the SWCD and the landowner's early willingness to participate in the program saved grant dollars. This, in addition to the DNR covering the cost of the lab diagnostic fees, left unused funds in the budget. The sites which were lab tested were sites that were well outside of the epicenter and therefore a very high priority for the DNR to know whether or not the disease was present in those areas.

In short:

- Personnel (Wages and Benefits) would increase \$990 for a total budget of **\$28,190**
- Professional/Technical/Service Contracts for Vibratory Plow, Tree Felling and Tree Removal Contractor budget would increase \$4,099 to **\$71,527**.
- Other- Oak Wilt Diagnostic Lab Fee of \$500 would decrease to \$0.
- Other-Public Meeting Outreach Mailings, Postage, Newspaper Articles, Legal Notices would decrease from \$4,372 to \$79
- Travel Expenses in Minnesota – Travel to Affected Landowners' Properties would decrease from \$500 to \$204
- Total budget remains unchanged at **\$100,000**.

Amendment Approved by LCCMR 2/26/2020

Final Report Summary:

Morrison SWCD partnered with DNR Forest Health Specialists and local DNR Foresters to suppress oak wilt at 18 sites within Morrison County. Control work was done by an experienced contractor using successful vibratory plow and tree destruction methods. Morrison County is at the leading edge of the known disease range in Minnesota. While the project was focused on private lands, the public good comes from controlling the spread to public forests of the state, and the continued habitat for turkey, grouse, deer and other wildlife.

The DNR Forest Health Specialist made numerous trips to the area to help train local resource professional staff on identification of oak wilt and confirm new spots and local DNR Foresters painted wilting trees throughout the season. At the time of grant execution, the number of known infection sites had jumped from ten to 65 triggering Morrison SWCD and DNR to prioritize work zones based on the proximity of the site to northern public forests. Highest priority sites were largely rural with large intact forests and lower priority sites were found near Little Falls, Minnesota in an actively developing residential area.

Landowners were approached by the SWCD to gain interest in oak wilt suppression activities on their properties. These property owners signed a "Landowner Agreement" which outlined program requirements, landowner and contractor responsibilities and timelines for treatment. The SWCD received overwhelming support from property owners, with 50 landowners signing on to be part of the program, and because of this, all the known oak wilt pockets in the high and highest priority zones were treated.

The SWCD and DNR continue to educate the public and work with landowners affected by oak wilt in the medium and low priority areas to guide them in properly addressing the disease on their properties until additional funding can be secured.

III. PROJECT ACTIVITIES AND OUTCOMES:

Activity 1: Securing Permission to Control Oak Wilt

Description: SWCD staff will establish face to face meetings with affected landowners to secure permission to control oak wilt on their land. Currently there are ~~ten~~ 65 known affected parcels. Fifty landowners signed landowner interest forms.

ENRTF BUDGET: 28,473

Activity 2: Establish contracts with vibratory plow companies to control oak wilt

Description: SWCD staff will secure contracts with companies for oak wilt control, including vibratory plowing and diseased tree removal and destruction. An optional additional control tactic would be for threatened tree removal (i.e. removal of healthy oaks inside plow lines that likely will die of oak wilt in the future).

ENRTF BUDGET: \$71,527

Outcome	Completion Date
1. 50 landowners granted SWCD staff permission to control oak wilt on their properties.	8/1/2019
2. 18 Oak wilt pockets were eradicated through vibratory plowing and diseased tree removal and destruction	1/1/2020

First and Final Update February 6, 2020

Morrison SWCD and the DNR have worked hard to implement oak wilt control at the northern edge. Oak wilt suppression began on July 11, 2019 when the SWCD and the DNR held a meeting for those landowners which had been confirmed to have oak wilt on their properties. The intent of the meeting was to better inform them of oak wilt and what control options were available to them. At this meeting, the landowners were asked to fill out a “Landowner Interest” form which gave the SWCD permission to contact them regarding oak wilt.

With a list of interested landowners, the SWCD and DNR meet again on July 26, 2019 to rank each of the sites by level of importance to remove the oak wilt. Zones were created and ranked highest to low, with the epicenter of the outbreak as the bullseye of the map being ranked low and the northern most sites being the highest priority ranked areas. Again, this was based on the goal of the grant which was to stop oak wilt from entering public forests outside of the Brainerd area. The epicenter consists almost entirely of residential small lots with fragmented forests bisected by roads and actively developing areas. The medium, high and highest zones are rural in nature with large intact forests.

Throughout the project the DNR Forest Health Specialist made numerous trips to the area to help train local resource professional staff on identification of oak wilt and to confirm additional oak wilt pockets. In addition, local DNR foresters were available to paint wilting trees on private properties and answer landowner questions while on site.

On September 12, 2019 the SWCD invited landowners who were in the high and highest priority zones for oak wilt control to the SWCD office to further discuss control options, cost share assistance and ultimately to explain program requirements if they chose to receive cost share funds from this grant program. For the landowners who were interested in participating in the program a “Landowner Agreement” was signed. This agreement outlined program requirements, landowner and contractor responsibilities and timelines for treatment.

On September 23, 2019 a contract was awarded to Pioneer Tree Service to complete the oak wilt suppression. The contractor started working on the highest priority sites by vibratory plowing around the buffer trees at the infected areas on October 3, 2019. Eighteen sites were eventually vibratory plowed before the ground froze for the year to stop the spread of the disease through grafted root systems. In addition to all of the private property owners which were being alerted of the disease and treated, two oak wilt pockets were found in the Popple Lake Wildlife Management Area (WMA). The DNR secured funding internally and suppressed oak wilt on the property using a slightly different method of cutting and chemically treating stumps.

By December 16, 2019 eight of the 18 private sites also had their 2019 wilting trees cut down and destroyed using these grant funds. Prior years wilting trees have the ability to produce oak wilt spores in 2020. These

diseased trees were marked by the DNR and the contractor hauled this wood to a firewood kiln drying operation where they were processed. This destruction method was approved by the DNR as a successful means for destroying the fungus within the wood. Smaller wood was chipped on site and no longer poses a threat to spreading the disease in this form. In addition, at these sites, buffer trees or trees which did not wilt in 2019 but lie within the vibratory plow line were also felled due to the likelihood these trees would also contract the disease within the next five years.

The sites ranked highest and high were completed but many more sites in the medium and low zones have been left untouched. Morrison SWCD and DNR will continue to provide technical support to these landowners so diseased pockets of oak are managed properly. Unfortunately, at this point, most of the funds from this grant will be expended so additional cost share support will not be possible.

IV. DISSEMINATION:

Description: Landowners known to be affected by oak wilt will be contacted directly by mail and a follow-up house visit by the Soil and Water Conservation District (SWCD) technical staff. DNR Forestry staff may also aid in landowner contacts. These communications will detail their eligibility for fully funded oak wilt control, and they will aim to convince landowners to allow disease control.

SWCD staff, in partnership with DNR Forestry staff, will also host two public meetings, publicized in local newspapers, to alert unaware landowners of the need to control oak wilt and the availability of this grant.

DNR Forest Health Unit will write two articles in their newsletter to alert landowners of grant eligibility as well as add a notice at their oak wilt website.

The progress and summary of the work resulting from this grant will be described and the DNR Forest Health Unit's annual reports. Also, the DNR Forest Health Unit will survey project sites to ensure success and summarize those visits with reports to participating landowners. The Morrison SWCD will also post grant eligibility and progress on their website at www.morrisonswcd.org

[The Minnesota](#) Environment and Natural Resources Trust Fund (ENRTF) will be acknowledged through use of the trust fund logo or attribution language on project print and electronic media, publications, signage, and other communications per the [ENRTF Acknowledgement Guidelines](#).

First Update February 6, 2020

The SWCD and DNR hosted one public open house meeting on July 11, 2019 at the Little Falls Township Hall. Invites were sent to all property owners who had verified oak wilt on their properties. The intent of the meeting was to better inform these property owners of oak wilt and what control options were available to them. At this meeting, the landowners were asked to fill out a "Landowner Interest" form which gave the SWCD permission to contact them regarding oak wilt. All of people in attendance signed a form before they left and were genuinely concerned about the health of their forests. Some of the landowners had already begun removing trees on their property unaware of what was causing them to die.

With this list of interested landowners, the SWCD and DNR meet again on July 26, 2019 to develop a ranking criterion which could be used on the properties. This was done for two reasons, the first was to get the biggest bang for the buck knowing grant funds would not be able to treat all of the interested property owner's oak wilt. The second reason was to give landowners a realistic estimate of whether or not we would be able to assist them with grant dollars. Zones were created and ranked highest to low, with the epicenter of the outbreak as the bullseye of the map and being ranked low and the northern most sites being the highest priority ranked areas. Again, this was based on the goal of the grant which was to stop oak wilt from entering public forests outside of the Brainerd area.

On September 12th, 2019, the SWCD invited landowners who were in the high and highest priority zones into the SWCD office to further discuss control options, cost share assistance and ultimately to explain program requirements if they chose to receive cost share funds from this grant program. For the landowners who were interested in participating in the program a “Landowner Agreement” was signed. This agreement outlined program requirements, landowner and contractor responsibilities and timelines for treatment.

The SWCD and DNR have both released articles to local newspapers, submitted articles for the Forest Health Unit newsletter and alerted landowners through talk show programs on the local radio station. Both agencies have updated their websites to reflect current grant opportunities and will have them listed in their annual reports when they are published. Website addresses for both of these are located here:

https://www.dnr.state.mn.us/treecare/forest_health/oakwilt/index.html ;

<https://morrisonswcd.org/gallery/fy2019-projects-events/oak-wilt-main>. The DNR and SWCD also hosted an open mic radio show where listeners could call in and ask questions about the disease in the area.

Informational packets were created to easily send in the mail or hand to interested landowners over the counter. These packets include a contractor list of certified arborists and experienced vibratory plow operators, handouts on how to identify oak wilt along with best management practices for suppressing oak wilt and links to additional resources and references. Landowners in the low and medium priority zones where oak wilt was not addressed with these funds were given or sent a packet and told they will be notified in the future if additional funds are secured. Morrison SWCD and DNR will continue to provide technical support to these landowners so diseased pockets of oak are managed properly. The SWCD is also offering a 10% discount known affected property owners order trees through the office to help offset the cost of reforestation.

Final Report Summary:

The SWCD received overwhelming support from property owners, with 50 landowners signing on to be part of the program, and because of this, all the know oak wilt pockets in the high and highest priority zones were treated. The SWCD and DNR have both released articles to local newspapers, submitted articles for the Forest Health Unit newsletter and alerted landowners of the presence of Oak Wilt in Morrison County and grant opportunities through talk show programs on the local radio station. Both agencies have updated their websites to reflect current grant opportunities. Website addresses for both of these are located here:

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Between local DNR Foresters and DNR Forest Health Specialists out of Brainerd and St. Paul there were \$21,858 dollars of in-kind work directly related to this grant which were contributed. Our initial projection was for a commitment of \$11,142 so this was nearly doubled. The Little Falls DNR Forestry office was selected as the 2019 Annual DNR Commissioner’s Award recipient for their accomplishments of conserving resources while working with others on this project. In addition, in-kind support reported by local landowners who participated in the program as of the end of 2019 was \$6,415 for a total in-kind support of \$28,273.

V. ADDITIONAL BUDGET INFORMATION:

A. Personnel and Capital Expenditures

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

Explanation of Use of Classified Staff: N/A

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

Enter Total Estimated Personnel Hours for entire duration of project: 436.25	Divide total personnel hours by 2,080 hours in 1 yr. = = TOTAL FTE: 0.2
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Total Number of Full-time Equivalents (FTE) Estimated to Be Funded through Contracts with this ENRTF Appropriation:

Enter Total Estimated Contract Personnel Hours for entire duration of project: 480	Divide total contract hours by 2,080 hours in 1 yr. = TOTAL FTE: 0.2
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VI. PROJECT PARTNERS:

A. Partners outside of project manager’s organization receiving ENRTF funding

B. Partners outside of project manager’s organization NOT receiving ENRTF funding

Name	Title	Affiliation	Role
Brian Schwingle	Forest Health Specialist	DNR Forestry, Central Region	Early detection of oak wilt through on-going forest health surveys; public notification on oak wilt locations; advise and train SWCD staff on all aspects of oak wilt control; communicate to all SWCDs which landowners are affected
Rachel Nicoll	Forest Health Specialist	DNR Forestry, Northern Region	Early detection of oak wilt through on-going forest health surveys; public notification on oak wilt locations; advise and train SWCD staff on all aspects of oak wilt control; communicate to all SWCDs which landowners are affected
John Korzeniowski	DNR Area Forester	DNR Forestry, Little Falls and Backus Areas	Assistance, as needed, to area SWCD staff with landowner contacts and public meetings. Assistance, as needed, to DNR Forest Health Unit staff.
Andrew Butler, Timothy Stai and Thomas Young	Local DNR Field Staff	DNR Forestry, Little Falls and Backus Areas	Assistance, as needed, to area SWCD staff with landowner contacts and public meetings. Assistance, as needed, to DNR Forest Health Unit staff.

VII. LONG-TERM- IMPLEMENTATION AND FUNDING:

The DNR Forest Health team receives a forest health monitoring grant to generally survey the health of the state’s forest canopy every year. They will monitor the success of oak wilt eradication efforts in Morrison County, and they will continue to track the leading edge of oak wilt in the state. If oak wilt arises after control efforts have been completed in Morrison County, the DNR may seek another control grant.

VIII. REPORTING REQUIREMENTS:

- Project status update reports will be submitted January 15 and June 15 each year of the project

- A final report and associated products will be submitted between June 30 and August 15, 2022

IX. SEE ADDITIONAL WORK PLAN COMPONENTS:

A. Budget Spreadsheet

B. Visual Component or Map

C. Parcel List Spreadsheet: N/A

D. Acquisition, Easements, and Restoration Requirements: N/A

E. Research Addendum: N/A

Attachment A:

Environment and Natural Resources Trust Fund

M.L. 2019 Budget Spreadsheet

Legal Citation: M.L. 2019, First Special Session, Chp. 4, Art. 2, Sec. 2, Subd. 06b

Project Manager: Shannon Wettstein

Project Title: Oak Wilt Suppression at the Northern Edge

Organization: Morrison County Soil and Water Conservation District

Project Budget: \$100,000

Project Length and Completion Date: 2 years and 9 months, April 1, 2022

Today's Date: February 26, 2020



ENVIRONMENT AND NATURAL RESOURCES TRUST FUND BUDGET	BUDGET 2/26/2020	Amount Spent	Balance
BUDGET ITEM			
Personnel (Wages and Benefits)	\$ 28,190	\$ 28,190	0
SWCD technician 240/hrs \$45/hr (landowner outreach and assistance) = \$21,600 160 hrs adm. @ \$35/hr (billing, reporting, support) = 5,600.00 These per hour rates are approximate, billable rates for individual staff will used for reimbursement			
Professional/Technical/Service Contracts			
Vibratory plow, tree felling, and tree removal contractor (competetive bids will be solicited)	\$ 71,527	\$ 71,527	0
Travel expenses in Minnesota			
Travel to affected landowners' properties	\$ 204	\$ 204	1
		\$ -	
Other			
oak wilt diagnostic lab fees	\$ -	\$ -	0
public meeting outreach mailings, postage, newspaper articles, legal notices	\$ 79	\$ 79	0
		\$ -	
		\$ -	
COLUMN TOTAL	\$ 100,000	\$ 100,000	0

OTHER FUNDS CONTRIBUTED TO THE PROJECT	Status (secured or pending)	Budget	Spent	Balance
Non-State:		\$ -	\$ -	\$ -
State:		\$ -	\$ -	\$ -
In kind: DNR Forest Health Specialist Oak Wilt Detection Survey (salary/benefits) 2019 - 2020	secured	\$ 1,567	\$ 3,310	\$ (1,743)
DNR Forest Health traveling costs for ground surveys and outreach (2019 - 2020)	secured	\$ 256	\$ 1,620	\$ (1,364)
DNR Resource Assessment Surveyor Oak Wilt Detection Survey (salary/benefits) 2019 - 2020	secured	\$ 640	\$ 1,620	\$ (980)
DNR aerial survey airplane cost (2019 - 2020)	secured	\$ 2,896	\$ 3,500	\$ (604)
DNR Forest Health Specialist outreach assistance (2019 - 2020)	secured	\$ 783	\$ 420	\$ 363
Other DNR Forester assistance	secured	\$ 5,000	\$ 11,388	\$ (6,388)
PAST AND CURRENT ENRTF APPROPRIATIONS	Amount legally obligated but not yet spent	Budget	Spent	Balance
Current appropriation: M.L. 2016, Chp. 186, Sec. 2, Subd. 04r as extended by M.L. 2019, First Special Session, Chp. 4, Art. 2, Sec. 2, Subd. 19		\$ 209,000	\$ 209,000	0
Past appropriations:		\$ -	\$ -	0

