Instructions

- Answer all questions thoroughly for your proposed restoration project.
- This is one part of multiple pieces required for a complete cost share grant application.
- Where the Hennepin County Natural Resources Interactive Map is a suggested resource, you can refer to this guide for assistance.

The following is meant to serve as an example for NMCWD’s Cost Share Grant restoration project form. The site depicted and corresponding information are fictional.

Questions

1. Name of Applicant or Organization: Jane Doe

2. Describe that steps you will take to complete and maintain your restoration.

   The restoration will include site preparation, which mainly entails pulling and treating Garlic Mustard with pre-emergent herbicide, and lightly tilling. The fall of the first year will include planting and seeding some plants. The second year we'll conduct the pre-emergency treatment and plant the remaining plants as favorable weather conditions present themselves. As the restoration is completed, we will keep up on maintenance activities. The ongoing maintenance will mainly include weeding and scouting for any remaining Garlic Mustard, then ensuring the Garlic Mustard and weeds are removed. Some fertilization is expected as needed. We will also be protecting the trees from buck rubbing if the need arises.

3. Are you planning to remove any invasive species? If yes, which species will be removed? How will the removal be done? Are you planting the entire area where you are removing invasive species?

   The area is lightly infested with invasive Garlic Mustard. Using the University of Minnesota Extension weed identification tool (https://extension.umn.edu/weed-management/weed-identification), no other invasive species will identified, so Garlic Mustard is the only invasive species we will remove as part of this restoration. We will pull the Garlic Mustard by hand and with hand tools the first year, and use a pre-emergent herbicide in the spring of the second year to help ensure the area remains free of Garlic Mustard. We will be replanting the entire area of Garlic Mustard with native vegetation.
4. Describe your planting plan. Do you plan to plant the entire area disturbed by the project with native species? Will the native plants used to restore the area come from seeds or live plants (plugs)?

Towards the fall of first year of the project, we'll plant the species which can tolerate being planted and seeded that time of year. Though we need to research each species individually, we anticipate this being the trees and wildflowers, generally speaking. Because the 2nd year of the grant will cover a full calendar year, we will plant the remaining species the 2nd year as their preferred planting conditions arise. The native planting will cover 100% of the disturbed area.

The shrubs, trees, and grasses will be plugs, while the native wildflowers will come from seed mix.

5. What is the size of the area to be restored in acres? *This refers to the size of the area that is being planted with native species.* This can be measured using the [Hennepin County Natural Resources Interactive Map](http://www.ninemilecreek.org).

0.48 acres

6. What is the total size of your property in acres? This can be found using the [Hennepin County Natural Resources Interactive Map](http://www.ninemilecreek.org). (1 acre = 43,560 square feet).

2.1 acres

7. What percent of your property are you restoring? Use your answers from questions 5 and 6 to complete the following equation.

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\frac{\text{Restoration area acres}}{\text{Total property area acres}} \times 100 = \text{percentage of property restored}
\]

\[
\frac{0.48 \text{ acres}}{2.1 \text{ acres}} \times 100 = 22.85\%
\]
8. Attach a planting layout. The Hennepin County Natural Resources Interactive Map can be used if needed. Plants must be selected from the NMCWD Restoration Plant List. Other plants can be used but are not eligible for reimbursement.

Continue on to Restoration Plant List and other application steps listed at https://www.ninemilecreek.org/get-involved/grants/applications/