

Explanation of Projects

This project list will be dynamic. Projects will be reviewed, added, dropped or modified as the need arises. These projects were developed over a course of time. Some are in the process of being implemented and others are listed for potential implementation in the future. Projects were developed by Collaborative members, the Executive Committee of the Collaborative, and presented for review at the public meetings held in January of 2015.

Projects are tied directly to the Goals, Objectives and Strategies identified in Chapter 2 of this plan. For example, Project 1A1 addresses Goal 1, Objective A, and Strategy 1 under that objective. Where there are multiple projects under a specific strategy a small letter is also used. (Project 1A1a, 1A1b, etc). Although many of the projects may address more than one goal, strategy or objective, they have been grouped under the category most relevant. Note: Most, but not all strategies have a project tied to them at this time.

In addition, each project is classified as either an Administrative, Operations, or On-the Ground project.

- Administrative – those projects needed to efficiently and effectively manage the restoration program.
- Operations – those projects that lay the groundwork for on-the-ground projects.
- On-the-Ground – As the name indicates. Those projects that involve physical restoration activities.

Each project contains the following information

- Title – descriptive name identifier of project
- Number – numbering tied to goals, objectives and strategies
- Type – Administrative, Operations, or On-the-Ground
- Summary – a short, descriptive paragraph describing the project
- Task Duration: estimate of length of project
- Who involved: agencies, groups or individuals (where known)
- Partnering Organizations: potential partners for the project
- Estimated Cost: (where known)
- Potential Funding Sources: likely funding sources (or actual, where known)
- Units: acres, items, events, etc.
- Measures of success: How will we gauge success?
- Primary Contact: Who to contact for information (where known)

Projects related to Goal 1- RESTORATION: Reestablish and Maintain a Diverse and Thriving Forest along the North Shore of Lake Superior.**Project Title: Develop and Maintain Calendar of On-going and planned Restoration Projects.****Project Number: 1A1****Project addresses:**

- **Objective A:** Restore lost components of Native Plant Communities
- **Strategy 1:** Develop and/or support multiple restoration projects throughout the area. Facilitate multiple landowners restoring their lands in a similar timeframe to promote landscape-level treatments.

Project Type: Administrative

Project Summary: Several restoration and forest management projects are currently ongoing and planned in the NSFC area, both large governmental projects (USFS restoration projects, DNR timber sales, NNIS treatments) and small operations on private lands (planting, harvesting or treating NNIS on small acreages). With its distance to markets and many small landowners, it is often difficult to interest contractors (loggers, planting/tsi crews, etc.) in small sized project areas. With scattered, isolated, and sometimes unknown projects being implemented, landscape effectiveness is not maximized. By keeping a calendar of ongoing and planned restoration activities and their implementation schedule, better coordination can improve both operability and effectiveness of restoration treatments. This task will require regular updating to maintain useful data and timeframes of projects.

Task Duration: 1 year, but ongoing updates required.**Who involved:** NSFC members, NSFC Project Coordinator**Partnering Organizations:** DNR, USFS, NRCS, Sugarloaf, Consulting Foresters, Private Landowners**Estimated Cost:** To be determined**Potential Funding Sources:** Grant Opportunities**Units:** Annually updated list of planned and completed projects.**Measures of success:** Increased coordination among landowners, improved project operability.**Primary Contact:** NSFC Project Coordinator**Project Title: Superior National Forest North Shore Restoration Project.****Project Number: 1A1a****Project Addresses:**

- **Objective A:** Restore lost components of Native Plant Communities
- **Strategy 1:** Develop and/or support multiple restoration projects throughout the area. Facilitate multiple landowners restoring their lands in a similar timeframe to promote landscape-level treatments.

Project Type: On-the-Ground

Project Summary: Project involves restoring native vegetation communities, improving wildlife habitat, and improving watershed health. Actions include underplanting, site preparation and exclosures. Project is located on National Forest System lands that extend from Grand Portage Reservation to Schroeder, within North Shore Forest Collaborative Boundary.

Task Duration: 2014 to 2029

Who involved: USDA Forest Service, contract loggers, planters, tsi and invasive treatment crews.

Partnering Organizations:

Estimated Cost: \$1.7 million

Potential Funding Sources: Grant Opportunities.

Units: XXX acres proposed to be treated.

Comments: Forest Service seeks to partner with any other landowner or land manager.

Measures of success: Acres successfully treated, regenerated to desired species.

Primary Contact: USFS, Becky Bartol

Project Title: Cascade River and Spruce Creek Watershed Restoration

Project Number: 1A1b

Project Addresses:

- **Objective A:** Restore lost components of Native Plant Communities
- **Strategy 1:** Develop and/or support multiple restoration projects throughout the area. Facilitate multiple landowners restoring their lands in a similar timeframe to promote landscape-level treatments.

Project Type: On-the-Ground

Project Summary: Restore forest on USFS and DNR lands by planting trees and protecting them from deer.

Task Duration: 2014 to 2017

Who involved: MN DNR

Partnering Organizations: Sugarloaf, USFS,

Estimated Cost: \$400,000

Potential Funding Sources: CPL grant

Units: 997 acres proposed to be treated.

Measures of success: Acres successfully treated, regenerated to desired species.

Primary Contact: Sugarloaf

Project Title: Work to ensure genetically appropriate planting stock and adequate supply for restoration efforts.

Project Number: 1A2

Project Addresses:

- **Objective A:** Restore lost components of Native Plant Communities
- **Strategy 2:** Secure/improve planting stock available for restoration effort.

Project Type: Operations

Project Summary: Currently available species for planting may not be appropriate (wrong geno- or phenotype) and not available in enough quantity for North Shore restoration efforts. For an effective restoration effort, it is important to have good quality stock with the genetic makeup consistent with those individuals that established and thrived in the environment of the North Shore forest. Planting stock with resistance to diseases such as white pine blister rust is vital to the restoration effort. Working with the Minnesota Tree Improvement Collaborative (MITC), the U of MN Forestry Department, DNR nurseries and local landscape businesses will help ensure that planting stock acquired by either the collaborative or by individual landowners will be appropriate and best suited for restoration efforts. Providing information to local planting businesses will help them provide both an appropriate product

and useful information when selling stock and providing advice to local landowners. This may be a good opportunity for a University of MN graduate student to head up this effort.

Task Duration: 2 years

Who involved: Univ. of MN grad student working with partner organizations

Partnering Organizations: MITC, U of MN Forestry, DNR

Estimated Cost: To be determined

Potential Funding Sources: Univ. of MN, DNR, Legacy Funds.

Measures of success: Availability of appropriate planting stock.

Primary Contact: NSFC Technical Committee

Project Title: Develop Ecological Desired Future Conditions and Objectives for Split Rock Land Type Association

Project Number: 1A3

Project Addresses:

- **Objective A:** Restore lost components of Native Plant Communities
- **Strategy 3:** Develop ecologically based, restoration desired conditions and ecological site descriptions.

Project Type: Operations

Project Summary: Area-specific Desired Future Conditions (DFCs) and Objectives are needed to guide the restoration process. Such ecological information has been developed by the NSFC technical team for the North Shore Till Plain Landtype Association (northeastern area) , but remains to be done for the Split Rock Till Plain LTA (southwestern area). Development of such direction takes knowledge of ecological principle and their feasibility of application. Without such information, efforts at restoration will be more haphazard and progress will be difficult to address. DNR Native Plant community classes and types will be used in developing DFCs and Objectives. Document will assist in developing specific guidance and checklists for resource professionals (consulting foresters, etc.) as well as more basic information and guidance for landowners.

Task Duration: 6 -12 months

Who involved: NSFC Technical Committee

Partnering Organizations: DNR, USFS, Pvt. Landowners, Grand Portage Tribe, Consulting Forester

Estimated Cost: To be determined

Units: 1 Document covering XXX acres.

Measures of success: Document (approved by NSFC executive committee). Readability, understandability and usability of document for other resource professionals.

Primary Contact: NSFC Technical Committee

Project Title: NRCS - Develop Ecological Site Descriptions of North Shore Highlands

Project Number: 1A3a

Project Addresses:

- **Objective A:** Restore lost components of Native Plant Communities
- **Strategy 3:** Develop ecologically based, restoration desired conditions and ecological site descriptions.

Project Type: Operations

Project Summary: Complete a minimum of two Ecological Site Descriptions per year for the dominant soils and plant communities of the region. Starting in FY 2015, we will begin focusing on the North Shore Till Plain LTA and associated degraded FDn43 plant communities. To date, we have been working on that, but have mostly worked on the highlands above the lake.

NRCS is working with the NSFC Technical Committee to help guide the development of products. They are also partners with the soils and ecology staff on the Superior National Forest as well as the USFS Region 9 office. They have also worked with various DNR County Biological Survey staff.

Task Duration: Ongoing

Who involved: NRCS Soil Science Division

Partnering Organizations: DNR, USFS, NSFC Technical Committee

Estimated Cost: to be determined.

Units: 1 document

Measures of success: Document (approved by NSFC executive committee). Readability, understandability and usability of document for other resource professionals.

Primary Contact: Kyle Steele, Kyle.Steele@mn.usda.gov 920-574-1772

Project Title: Map currently identified areas of high ecological integrity and areas with most impacted ecosystems (NNIS, Soil erosion, off-site species)

Project Number: 1B1

Project Addresses:

- **Objective B:** Identify focus areas for restoration across the landscape.
- **Strategy 1:** Identify areas to focus and prioritize restoration activities based on ecological need.

Project Type: Operations

Project Summary: By identifying both the high quality areas and negatively impacted areas (which sometimes overlap), we can begin to prioritize areas for restorative treatment. Without good geographic data, it is difficult to determine where to be most effective with restoration treatments and which should receive the highest priority. The North Shore area contains many areas of high ecological integrity and unique ecosystems. County Biological Survey has identified areas of significant natural areas and rare plants, and habitats. Scientific and Natural Areas (SNA's), State Parks, Research Natural Areas and other special ecological designations exist within the area. In addition, non-native invasive species, off-site and dying species, and soil erosion impact many areas with the north shore. .

Task Duration: 6 months

Who involved: GIS specialist, NNIS specialist, silviculturist

Partnering Organizations: DNR, USFS, NRCS, University

Estimated Cost: To be determined

Potential Funding Sources:

Primary Contact: Silviculturist

Project Title: Identify priority sites on which to plan and implement restoration activities.**Project Number:** 1B2**Project Addresses:**

- **Objective B:** Identify focus areas for restoration across the landscape.
- **Strategy 2:** Identify at least three sites and plan and implement restoration activities

Project Type: Administrative

Project Summary: This project will use the results of Project 1B1 along with other information to help determine which areas should receive the highest priority for restoration treatments. While the objective is to restore a large percentage of the north shore ecosystem, it is important to focus on those areas most in need of restoration and of sufficient size to be effectively implemented. Note: MN DNR Forest Stewardship program has identified areas where a concentration of private landowners has stewardship plans that need updating. These may be areas that factor into the prioritization equation.

Task Duration: 6 months, following completion of Task 1B1.**Who involved:** NSFC Executive Committee**Partnering Organizations:** DNR, NRCS, USFS, Sugarloaf Cove,**Estimated Cost:** To be determined**Potential Funding Sources:** DNR Stewardship Plans,**Units:** Acres, No. of Landownerships**Measures of success:** Restored acres.**Primary Contact:** NSFC Coordinator**Project Title: Develop and Maintain list of Contractors****Project Number:** 1C1**Project Addresses:**

- **Objective C:** Assist landowners with finding contractors willing to conduct restoration activities on their property.
- **Strategy 1:** Establish a network of foresters, loggers, site preparation and planting contractors willing to work across all property owners.

Project Type: Operations

Project Summary: This project will meet with contractors to determine their availability and willingness and their minimum scale of work. It will then develop a list of contractors and make that information available to private landowners. This project is tied to 1C2, which involves a NSFC Project Manager to coordinate restoration work.

Due to the relative remoteness of the North Shore area, distance to markets, and small project size of many private landowner projects it is difficult to interest forest management contractors in projects north of Two Harbors, MN. In order to implement restoration activities, it is important to have an available team of contractors who are willing to perform the work.

Task Duration: 6 months**Who involved:** Local contractors, NSFC Project Manager**Partnering Organizations:** Local contractors, NRCS, DNR, MN Contract Loggers Association, University Extension**Estimated Cost:** To be determined.

Potential Funding Sources:**Units:** One list**Measures of success:** List is distributed and successfully used by landowners.**Primary Contact:** NSFC Project Manager**Project Title: Employ North Shore Forest Collaborative Project Manager****Project Number:** 1C2**Project Addresses:**

- **Objective C:** Assist landowners with finding contractors willing to conduct restoration activities on their property.
- **Strategy 1:** Establish a network of foresters, loggers, site preparation and planting contractors willing to work across all property owners.

Project Type: Operations

Project Summary: Hire and fund an NSFC project manager to strategically utilize contractors to accomplish restoration work on a meaningful scale (i.e. coordinate between small private landowners with other small landowners, government agencies, or larger landowners to increase incentives for contractors).

Due to the relative remoteness of the North Shore area, distance to markets, and small project size of many private landowner projects it is difficult to interest forest management contractors in small projects north of Two Harbors, MN. This project is tied to 1C1, developing a list of contractors.

Task Duration: 3 years**Who involved:** NSFC Project Manager, local contractors, local landowners**Partnering Organizations:** NRCS, Local contractors**Estimated Cost:** \$100,000**Potential Funding Sources:** NRCS, Grants, Others?**Units:** 1 person**Measures of success:** Implementation of coordinated projects.**Primary Contact:** NSFC Project Manager**Project Title: Coordinate with Cook and Lake County Invasives Team****Project Number:** 1D1**Project Addresses:**

- **Objective D:** Minimize the introduction and spread of invasive species.
- **Strategy 1:** Prioritize and implement invasive species control in the collaborative area

Project Type: Operations

Project Summary: Background: Closely coordinate with existing County teams on identification and prioritization of non-native, invasive species problem areas and treatments. In addition to restoring conifers to the North Shore ecosystem, another objective of restoration is to limit the spread and control the existence of non-native invasive species in the collaborative area. The goal of restoration of the ecosystem cannot be achieved unless we address both the reintroduction of desired species (conifers and others) and limiting the spread and controlling the existence of unwanted invasive species.

Task Duration: Ongoing**Who involved:** Cook and Lake County Invasives Teams

Partnering Organizations: Counties, DNR, USFS, Non-profits, private landowners

Estimated Cost: To be determined.

Potential Funding Sources: Great Lakes Restoration Funds

Units: Acres treated

Measures of success: Reduction of acres impacted.

Primary Contact: County Invasives Coordinator

Project Title: Provide links to Invasive Species Info on Website

Project Number: 1D3

Project Addresses:

- **Objective D:** Minimize the introduction and spread of invasive species.
- **Strategy 1:** Incorporate invasive species education and information in NSFC materials

Project Type: Operations

Project Summary: The NSFC will be updated and maintained to provide links to the most recent information about identification and treatment of invasive species, including links to other websites such as the Cook County Invasives Team and to treatment assistance opportunities such as the community shed at Sugarloaf Cove.

Because treatment of invasive species is a vital part of ecological restoration, it is important that informational material provided by the collaborative include invasive species identification and treatment. Much information already has been developed and exists, but local landowners must be able to access that information.

Task Duration: On-going, with 3 days to locate relevant sites and provide links.

Who involved: NSFC Coordinator

Partnering Organizations: Cook and Lake County Invasives Teams

Estimated Cost: minimal

Potential Funding Sources: none

Measures of success: Info available to landowners; Reduction of acres impacted

Primary Contact: NSFC Coordinator

Project Title: Participate in County Planning with regard to forest fragmentation

Project Number: 1E1

Project Addresses:

- **Objective E:** Minimize forest fragmentation
- **Strategy 1:** Provide input to county land use planning activities to minimize forest parcelization and fragmentation, emphasizing consolidated development and minimizing conversion of forestland to non-forest.

Project Type: Administrative

Project Summary: NSFC Partners (representing their own organizations) will participate in county planning and zoning efforts. The role of the Collaborative is not to take specific stands in county planning, rather it is to raise the issue of forest fragmentation and provide information about the effects of fragmentation to county planners.

Restoration of the forest involves returning vegetation composition and structure toward a more natural arrangement. While there may be relatively little that can be done with regard to areas already fragmented, it is desirable to try to limit any further fragmentation to the extent practicable, as a fragmented forest is more susceptible to invasive species, as well as degradation of habitat for certain species.

Task Duration: As needed, when Counties address planning and zoning.

Who involved: NSFC members

Partnering Organizations: Cook and Lake County

Estimated Cost: none

Potential Funding Sources: none

Measures of success: The extent to which forest fragmentation is address in County plans.

Primary Contact: NSFC Coordinator

Project Title: Develop monitoring strategies

Project Number: 1F1

Project Addresses:

- **Objective E:** Utilize project monitoring to measure progress in restoring ecosystem health and achieving objectives.
- **Strategy 1:** Develop monitoring strategies.

Project Type: Operations

Project Summary: Develop an overall strategy for monitoring, making use of existing efforts by other agencies and organizations to the extent possible. Build off monitoring plans and efforts of Minnesota Forest Resource Council's NE landscape committee. While effective monitoring is difficult to accomplish and to fund, using monitoring that is already being conducted by partner organizations and tracking project implementation can provide some insights with reasonable efforts.

A well-designed monitoring program will determine whether restoration actions were designed and implemented properly, determine whether the projects' restoration objectives were met, and provide new information on the restoration action and the ecosystem functions and processes that it was intended to affect. Without at least some base level of monitoring and tracking of project implementation, progress toward ecosystem restoration will be difficult to gauge.

Task Duration: 1 year to develop strategies, then ongoing to implement monitoring

Who involved: NSFC members

Partnering Organizations: All partners in the collaborative, Univ. of MN, MFRC landscape committee

Estimated Cost: To be determined.

Potential Funding Sources:

Units: Acres treated

Measures of success: Projects implemented, Effectiveness of treatments.

Primary Contact: NSFC Coordinator

Projects related to Goal 2 - COLLABORATION: Promote Cooperative Restoration Efforts on All Ownerships**Project Title: Develop a database of private forest landowners****Project Number: 2A1****Project Addresses:**

- **Objective A:** Increase private landowner engagement in the NSFC and restoration activities.
- **Strategy 1:** Identify and contact private landowners within the NSFC area.

Project Type: Administrative**Project Summary:** An accurate database of private forest landowners within the NSFC area will be developed using tax records and other data.

The Collaborative area has thousands of private landowners. Some are full-time residents; others are seasonal residents and live elsewhere most of the year. Still others own undeveloped lands that they may visit often, or only during hunting season. The area also has many resort properties, some large and corporately run and others small mom and pop operations. Industry and land management companies manage some lands for commercial timber production. It is important to reach out to all of these owners to enlist them in the restoration effort.

Task Duration: 2 months, then ongoing updates**Who involved:** Sugarloaf**Partnering Organizations:** University of Minnesota**Estimated Cost:** \$1000**Potential Funding Sources:** Duluth Superior Area Community Foundation, U of MN**Units:** 1 database**Comments:** This project is currently being completed, but may be expanded upon with further refinements**Measures of success:** A useful database**Primary Contact:** Molly Thompson, Sugarloaf**Project Title: Develop a “Restoration Recognition Program” to acknowledge restoration programs on private property.****Project Number: 2A2****Project Addresses:**

- **Objective A:** Increase private landowner engagement in the NSFC and restoration activities.
- **Strategy 2.** Provide informational materials and incentives for landowners.

Project Type: Operations**Project Summary:** Develop and implement a program to formally recognize that a landowner property is participating in the North Shore Forest Restoration Program. Such a program would help recognize and incentivize landowners for their restoration work and help publicize the restoration effort. (Similar to the Tree Farm program) Restoration efforts, such as the visibility of planted conifers, can take many years to become visible and other landowners and North Shore visitors. May not be aware of restoration efforts already accomplished without a process to recognize and publicize landowner accomplishments.

Task Duration: 1 year to establish, then ongoing.

Who involved:

Partnering Organizations: Extension, Sugarloaf, NRCS, SWC

Estimated Cost: To be determined

Potential Funding Sources: Coastal Program, Johnson Foundation, Other foundations

Units: Acres and number of landowners recognized.

Measures of success: Numbers of private landowners participating in program

Primary Contact:

Project Title: Develop initial and follow-up contact materials for landowners

Project Number: 2A2a

Project Addresses:

- **Objective A:** Increase private landowner engagement in the NSFC and restoration activities.
- **Strategy 2.** Provide informational materials and incentives for landowners.

Project Type: Operations

Project Summary: Engaging private landowners during initial and follow-up contacts requires well prepared materials for delivery in person, via media and mail. This project will develop materials that will inform and engage private landowners in the restoration effort, as well as address the efficient and economic delivery of such information.

Task Duration: 1 year

Who involved: NSFC Communication Committee

Partnering Organizations: Extension

Estimated Cost: to be determined.

Potential Funding Sources: Johnson Foundation, Other foundations, NFWF

Units: Contact documents and materials

Measures of success: Numbers of private landowners participating in Collaborative

Primary Contact: NSFC Communication Committee

Project Title: Encourage Neighbors helping neighbors program

Project Number: 2A4

Project Addresses:

- **Objective A:** Increase private landowner engagement in the NSFC and restoration activities.
- **Strategy 4.** Promote peer-to-peer associations among landowners.

Project Type: On-the-Ground

Project Summary: This project will foster the development of peer-to-peer relationships and facilitate a communications and help network among landowners. Often, neighbors are most effective at getting others involved in restoration work, or in helping neighbors with techniques and activities. Neighbors often know best what the person next door needs or wants for their property, or how to best get them involved. This project would require identifying some key people in various communities and providing them with training, and contact materials.

Task Duration: Ongoing,

Who involved: Individual landowners, U of MN Extension Service, NSFC members

Partnering Organizations: U of MN Extension Service

Estimated Cost: to be determined

Potential Funding Sources: Grants, Extension Service

Measures of success: Increase in private landowner participation in program.

Primary Contact: NSFC Landowner Committee

Project Title: Cluster/Consolidate Stewardship Plans on Private lands

Project Number: 2A6

Project Addresses:

- **Objective A:** Increase private landowner engagement in the NSFC and restoration activities.
- **Strategy 6.** Consolidate restoration projects on private property to improve economies of scale during implementation.

Project Type: Operations

Project Summary: In the Collaborative area, there are approximately 270 participants in the stewardship program managed by the MN DNR. Many of these are small and scattered, but mapping those plans that are due for updating shows two clusters of properties. By focusing on these clusters, it may be possible to achieve some economies of scale in terms of operability of any restoration activities.

Task Duration: 1 year.

Who involved: MN DNR – Stewardship Plans

Partnering Organizations:

Estimated Cost: to be determined.

Potential Funding Sources: MN DNR

Units: Number of Plans

Measures of success: Increase in implementation of Plans.

Primary Contact: MN DNR

Project Title: Increase Emphasis on Stewardship Plans for private landowners

Project Number: 2A8

Project Addresses:

- **Objective A:** Increase private landowner engagement in the NSFC and restoration activities.
- **Strategy 8:** Promote stewardship plans for private lands

Project Type: Operations

Project Summary: Increase emphasis on reaching out to private landowners in the Collaborative Area through the DNR and NRCS programs for stewardship and management plans. Many of the private lands on the North Shore have no plans for management and owners are not aware of the programs available. A recent effort by NRCS with the objective of managing for golden winged warbler was successful in involving more landowners in getting a management plan developed for their properties.

Task Duration: On-going

Who involved: MN DNR, NRCS

Partnering Organizations:

Estimated Cost: to be determined

Potential Funding Sources: MN DNR, NRCS

Units: Number of Plans

Primary Contact: Roger Nelson, MN DNR, Will Bomier, NRCS

Project Title: Develop on-going list and calendar of grant and funding opportunities**Project Number: 2B 1-4****Project Addresses:**

- **Objective B:** Secure multi-year funding for core operations of NSFC
- **Strategy 1-4:** Secure funding for NSFC Coordinator, NSFC Project Manager, Apply for grants, and explore other funding opportunities.

Project Type: Administrative

Project Summary: Having a robust list and calendar of funding opportunities would help the collaborative apply for funding in a timely and successful manner. Identifying and obtaining a more long-term funding source is critical for an effective and efficient organization and the Collaboratives mission and getting projects implemented on the ground.

Consistency and continuity in running the collaborative has been problematic without a consistent and longer-term funding source for a coordinator position. The Coordinator position has been funded solely through grants that are project based, with the Coordinator working primarily on the project and leaving little time for actual coordination, facilitation, and administrative duties that are very necessary toward smooth operations of the collaborative.

Task Duration: 2 months**Who involved:** Sugarloaf, USFS, NSFC Coordinator**Partnering Organizations:** Granting organizations, USFS**Estimated Cost:** to be determined.**Potential Funding Sources:** USFS**Units:** 1 list**Measures of success:** Availability of relevant grants and funding; successful applications**Primary Contact:** NSFC Coordinator & Molly Thompson

Projects related to Goal 3 - EDUCATION: Share expertise and knowledge about restoration

Project Number: 3A1

Project Title: Develop Communication Plan

- **Objective A:** Increase support from private landowners, public agencies, public and political spheres for ecosystem restoration of the North Shore.
- **Strategy 1:** Develop a communication plan and strategies to communicate the mission and goals to the public.

Project Type: Operations

Project Summary: Identify who, what, when and where for communications and public relations.

Task Duration: One month for initial plan, revisit annually.

Who involved: Communication Committee

Partnering Organizations:

Estimated Cost: to be determined.

Potential Funding Sources:

Measures of success: Increased information level of public, agencies, funding sources, legislators, etc.

Primary Contact: Chair of Communications Committee

Project Title: Host a Day at the Capitol

Project Number: 3A3

Project Addresses:

- **Objective A:** Increase support from private landowners, public agencies, general public and political spheres for ecosystem restoration of the North Shore.
- **Strategy 3:** Ensure local politicians and state senators and representatives are fully informed about the Mission and Restoration goals for the North Shore Forest Collaborative.

Project Type: Operations

Project Summary: A day spent with local state legislators to provide them information about the existing situation on the North Shore, and the mission, goals and projects of the Collaborative and the participating organizations. The purpose of the Day at the Capitol is solely to provide information about NSFC and its activities

Just as local landowners need to be informed about the need for and activities leading to restoration of the north shore, local legislators also need this information, as it affects both the citizens and the land within their districts. Without the legislature being knowledgeable of the mission and efforts of the NSFC, they will not understand or appreciate the problems with the existing situation, nor the importance of the efforts at restoration.

Task Duration: One week to plan, 1 day to deliver

Who involved: Communication Committee

Partnering Organizations:

Estimated Cost: to be determined.

Potential Funding Sources:

Measures of success: Informed legislators

Primary Contact: Chair of Communications Committee

Project Title: Develop Interpretive signs at demonstration projects**Project Number: 3A6****Project Addresses:**

- **Objective A:** Increase support from private landowners, public agencies, general public and political spheres for ecosystem restoration of the North Shore.
- **Strategy 6:** Utilize restoration demonstration projects across the area suitable for interpreting ecosystem conditions and restoration techniques to many audiences.

Project Type: On-the-Ground

Project Summary: Develop and install interpretive signs located in highly visible areas (along well-travelled routes) to help publicize restoration projects and successes as well as educate local landowners and visitors.

Because restoration efforts are often not noticeable to the casual viewer for many years, people may not be aware of restoration projects or their objectives. It is important for people to see and understand on-the-ground restoration projects that are completed or on-going.

Task Duration: Ongoing**Who involved:** NSFC Exec. Committee.**Partnering Organizations:** Dependent upon location of demonstration project.**Estimated Cost:** Should be built into each project's funding request**Potential Funding Sources:****Units:** number of signs erected**Measures of success:****Primary Contact:** NSFC Executive Committee**Project Title: Host Workshops****Project Number: 3B1****Project Addresses:**

- **Objective B:** Offer ongoing internal and external education.
- **Strategy 1:** Host workshops on forest restoration

Project Type: Operations

Project Summary: Host educational and hands-on workshops of various types and to reach the various private landowners. For the past 3 years, the collaborative has hosted landowner workshop to share information and provide education on forest restoration. These have been well attended. Sugarloaf: The North Shore Stewardship Association has sponsored the Lost Forest workshops in cooperation with Univ. of MN Extension. These workshops consists of approximately 12 sessions on restoration topics, including field visits to landowner's properties.

Task Duration: 1 to several days.**Who involved:** NSFC Exec. Committee.**Partnering Organizations:** Univ. of MN Extension, Soil and Water Conservation Districts**Estimated Cost:** to be determined**Potential Funding Sources:** Lake Superior Coastal Program, other grant programs**Units:** number of workshops, number of attendees**Measures of success:****Primary Contact:** NSFC Coordinator

Project Title: Distribute instructive materials on restoration**Project Number: 3B2****Project Addresses:**

- **Objective B:** Offer ongoing internal and external education.
- **Strategy 2:** Develop and distribute materials (methods, procedures, techniques) for those attempting restoration.

Project Type: Operations

Project Summary: Work with partners to gather materials, determine if new or additional direction is needed specific to the North Shore, and then distribute materials to those attempting restoration on their lands. Many instructive materials already exist for restoration activities (proper planting techniques, invasive treatment, etc.)

Some landowners wish to perform restoration activities on their lands, but are not knowledgeable of the techniques to be used. Well prepared and readily available instructive material can help address this need.

Who involved: NSFC Technical and Communications Committees**Partnering Organizations:** DNR, CCIT/LCIT, Sugarloaf**Estimated Cost:** to be determined**Potential Funding Sources:****Measures of success:** Number and types of materials distributed.**Primary Contact:** NSFC Technical Committee**Project Title: Develop and distribute a yearly summary of accomplishments****Project Number: 3B3****Project Addresses:**

- **Objective B:** Offer ongoing internal and external education.
- **Strategy 3:** Report monitoring results and collaborative accomplishments

Project Type: Operations

Project Summary: Prepare and distribute a yearly summary of accomplishments. This information is important in showing funding organizations, local partners, private landowners and local legislators that restoration of the North Shore is being accomplished. Demonstrating progress and success toward accomplishing the goal of restoration lends credibility to the program.

Task Duration: Ongoing, Annual summary.**Who involved:** NSFC Coordinator, Technical and Communications Committees**Partnering Organizations:** All NSFC members**Estimated Cost:** to be determined**Potential Funding Sources:****Units:** Report document**Primary Contact:** NSFC Coordinator

Project Title: Develop opportunities for youth to participate in restoration**Project Number: 3B4****Project Addresses:**

- **Objective B:** Offer ongoing internal and external education.
- **Strategy 4:** Involve youth in restoration activities

Project Type: On-the-ground

Project Summary: Develop a toolbox of activities and opportunities that enable youth to be involved in the planning and implementation of restoration activities. This could include school programs, field days, scout activities, and restoration activities specifically geared toward youth.

Youth need to be knowledgeable of and involved in forest restoration activities because in many cases, it is their generation that will see the accomplishment and benefits of the restored forest. Their stewardship of the forest is needed now and far into the future.

Task Duration: Ongoing**Who involved:** Invasive Species Coordinator**Partnering Organizations:** USFS, DNR, County Lands, Sugarloaf, Wolf Ridge**Estimated Cost:** to be determined**Potential Funding Sources:** SWCD**Units:** Number of events**Measures of success:****Primary Contact:** Invasive Species Coordinator