

# **Introduction to Forestry Conservation Planning Resource Assessment**

Classroom training 1 day Wausau June 11<sup>th</sup>

North and/or South Field training 1 day each

Rhineland area for north woods training June 12<sup>th</sup>

Baraboo area for southern forest training June 21<sup>st</sup>

## **Goals and Objectives**

Participants will have:

- The ability to integrate forestry planning into conservation plans
- Awareness of state and federal programs available for woodlot management
- Knowledge of basic forest management principles including:
  - major types of forest in Great Lakes Region,
  - types of products they produce,
  - forestry assessment techniques and measurements, and
  - basic tree establishment techniques
- The ability to develop a tree planting plan
- The ability to inventory forest resources
- The ability to provide general forest management recommendations based on inventory and landowners objectives
- As part of the planning process identify riparian and other sensitive areas and incorporate buffers

Disclaimer: Participants will not be trained foresters or certified in DNR Managed Forest Program

## Outline

Introduction to Forestry (Wausau) 8:30 am – 4:30 pm

Registration

### 1. Introduction

- Course overview
- Describe the opportunities for integrating forest management techniques into conservation planning
- Primer on forest management in the lake states
  - Common forest types in State (Eco-regions)
    - Distribution of forest types – (agents: glaciers, climate, management)
    - Successional role by species
    - Nutrient cycles in a tree/forest system

### 2. Forest management techniques

- Management by forest type
  - Common management techniques and relationship to succession
    - Strategies for minimizing soil loss
  - Establishment and regeneration of forest stands
    - Regeneration needs by species
  - Products by species
  - Management vs. no management
  - Tree establishment techniques
    - Natural regeneration
    - Planting and seeding

### 3. Inventory forest resources

- Using forestry tools
- Inventory techniques
  - Sampling for, species composition, stand density
  - Zig Zag transect sampling
  - Maps

## Lunch

### 4. Steps for successfully planting and maintaining trees

- Developing a tree planting plan
  - Determine soil type
  - Hydrology
  - Sun exposure and slope
  - ID appropriate species
  - Spacing and species distribution
  - Care and handling of stock
  - Site prep
  - Proper planting techniques
  - Deer protection
  - Follow up management for release

5. Helping landowners meet their goals by developing a plan of action

- Matching goals with realities of property
- Integrating multiple uses and addressing forest conditions
- Soil integrity
  - Manage with fire – under story enhancement
  - Situating roads, trails and access
  - Buffers for riparian and ephemeral and other sensitive woodland zones
  - Managing for wildlife
  - Alternative forest products
  - Grazing and agricultural
  - Recreation
- Addressing threats
  - Insects and diseases
  - Herbicides and the control of invasives
  - Wildfire hazards
  - Wildlife abatement
  - Agents causing decreased soil productivity

6. State and Federal programs related to woodlot management What resources are available to landowners for different activities (e.g. Conservation easements, EQIP, cost sharing, DNR Managed Forest Law program, Tree Farm Program)

- Where to go next for information and development of forest management plan (i.e. agency roles, certified foresters)

North and/or South Woodland Field days: 900 am - 3:30 pm

7. Orientation and travel 9:00
8. Basic ecotype tree and plant identification
9. Field practicum on inventory techniques and data collection

Working Lunch

10. Scenario analysis and management prescriptions development
11. Sharing plans, discussion and session wrap up

Dress appropriately for field conditions: long pants and long sleeves, boots, raingear, hat gloves, backpack, bug repellent and water bottle.

Equipment: bring a *Woodland Information Stick*, compass (Let us know if you do not have access to these) and binder from first day