

## QUICK FACTS

### Number of Employees

34

### Number of Facilities

4

### Total Budget

\$2,610,747

### Acres of Forest

16,697,000

## Research Work Units

- **Madison, WI**  
NRS-10 Biological and Environmental Influences on Forest Health and Productivity
- **Rhineland, WI**  
NRS-13 Institute for Applied Ecosystem Studies

## Partners

- Chequamegon-Nicolet, Ottawa, & Huron- Manistee National Forests
- College of Menominee Nation
- Great Lakes Indian Fish and Wildlife Commission
- International Paper
- Iowa State University
- Mead-Westvaco
- Oak Ridge National Laboratory
- University of Minnesota - Duluth
- University of Minnesota
- University of Wisconsin - LaCrosse
- University of Wisconsin - Stevens Point
- University of Wisconsin
- UPC Blandin Paper Company
- U.S. Department of Energy
- USDA – Animal Plant and Health Inspection Service

## Recent Major Accomplishments

The Northern Research Station will continue to implement a program that addresses a comprehensive scientific foundation, including the following strategic program directions: Sustaining Forests, Forest Disturbance Processes, Urban Natural Resources Stewardship, Providing Clean Air and Water and Natural Resources Inventory and Monitoring. Scientists in Wisconsin have achieved the following:

- Assessed the potential effects of climate change in northern Wisconsin by modeling climate change effects on forest productivity, the suitability of habitat for tree species, and the potential changes in forests that are important for land management.
- Initiated a carbon sequestration study investigating economic and ecological effects of traditional and adaptive forest management practices at operational scales.
- Based on 10 years of growth and meteorological data for aspen forests that were part of the Aspen FACE experiment, found that forest uptake of carbon dioxide under a changing climate might be underestimated in current global vegetation models.
- Examined the impact of whole tree harvesting and the effect of removing fine woody debris on the amphibians and herbaceous plants living under regenerating northern hardwood stands in Wisconsin.
- Examined how landscape-scale forest composition and road density influence northern goshawk nesting in northern Wisconsin.
- Studied fungal community composition and function after long-term exposure of northern forests to elevated atmospheric carbon dioxide and ozone.

## Budget for Wisconsin

Research Work Unit	FY 11	FY 12	FY 13
<i>Madison, NRS-10</i>	970,396	893,146	845,396
<i>Rhineland, NRS-13</i>	1,967,601	1,717,601	1,617,601
<b>STATE TOTAL</b>	<b>\$2,937,997</b>	<b>\$2,610,747</b>	<b>\$2,462,997</b>

## Grants and Agreements

Research Work Unit	Value of Grants and Agreements (all locations)	Fiscal Year
<i>NRS-10</i>	487,881	2011
<i>NRS-13</i>	338,241	2011

