

## QUICK FACTS

### Number of Employees

60

### Number of Facilities

4

### Total Budget

\$6,479,826

### Acres of Forest

11,974,000

## Research Work Units

- **MORGANTOWN, WV:**  
NRS-03 Ecology & Mgt. of Invasive Species and Forest Ecosystems
- **PARSONS, WV:**  
NRS-01 Ecological & Economic Sustainability of the Appalachian Forest in an Era of Globalization
- **PRINCETON, WV:**  
NRS-01 Ecological & Economic Sustainability of the Appalachian Forest in an Era of Globalization  
NRS-05 Forest Inventory & Analysis

## Partners

- Appalachian Hardwood Manufacturers Inc.
- Boise Cascade
- Caterpillar Company
- Coastal Lumber Co.
- Collins Pine/Kane Hardwoods
- Hardwood Manufacturing Association
- Kane Hardwoods
- Kitchen Cabinet Manufacturers Association
- Maryland DNR
- Mead Westvaco Corporation
- National Forests in PA, WV, KT, VA, IN.
- National Hardwood Lumber Association
- Oak Ridge National Laboratory
- PA Bureau of Forestry
- Pennsylvania State University
- Purdue University
- University of Georgia
- University of Wisconsin
- Virginia Tech
- West Virginia Forest Products Association
- West Virginia University

## 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; & Natural resources inventory & monitoring. Within this program direction, NRS scientists have already ---

- Begun testing methane levels in well water before and after development of natural gas wells in Marcellus Shale formations.. This information is vital to determining decisively whether methane concentrations have been increased by drilling or hydraulic fracturing.
- Begun a national study of how wind power affects migrating golden eagles. In some areas, they are killed in large numbers by turbines; in other areas not. Determining

reasons for these differences could help provide safer designs.

- Developed an Inexpensive, small-scale dry kiln for small sawmill businesses. These kilns have great potential for use in urban forest clean-ups such as occurred in the Northeast in October 2011.
- Demonstrated that using repeated small prescribed fires considerably improve the regeneration of oak seedlings in forest gaps, thus helping to preserve oak dominance in eastern forests. In another study, a scientist found that opening the canopy and sub-canopy, thus increasing light on the forest floor, also increased invasion by non-native plants.
- Analyzed forest pest invasion records (1860-2006) and found that ~70% of invasive species arrived on live plant imports. These have greatly increased over the last 30 years. The potential for the introduction of additional invasive pests represents as serious threat to U.S. forests.

## Budget for West Virginia

Research Work Unit	FY 11	FY 12	FY 13
<i>Morgantown, NRS-03</i>	2,386,154	2,215,754	2,215,754
<i>Parsons &amp; Princeton, NRS-01</i>	3,520,275	3,456,922	3,335,276
<i>Princeton, NRS-05</i>	848,515	807,150	803,350
<b>STATE TOTAL</b>	<b>\$6,754,944</b>	<b>\$6,479,826</b>	<b>\$6,354,380</b>

## Grants and Agreements

Research Work Unit	Value of Grants and Agreements (all locations)	Fiscal Year
<i>NRS-03</i>	334,023	2011
<i>NRS-01</i>	193,621	2011
<i>NRS-05</i>	4,425,622	2011

