

QUICK FACTS

Number of Employees

24

Number of Facilities

3

Total Budget

\$2,252,116

Acres of Forest

19,903,000

Research Work Units

- **EAST LANSING, MI:**
NRS-06 Climate, Fire & Carbon Cycle Sciences
NRS-03 Ecology & Mgt of Invasive Species & Forest Ecosystems
- **HOUGHTON, MI:**
NRS-06 Climate, Fire & Carbon Cycle Sciences

Partners

- Chinese Academy of Forestry
- Department of Energy
- Fire Consortia for Advanced Modeling of Meteorology and Smoke
- Interagency Eastern Area Coordination Center
- International Forest Quarantine Research Group
- International universities and research institutes
- Michigan DNR
- Michigan State University
- Michigan Technological University
- Monsanto Inc.
- National Weather Service
- Northern Global Change Research Program
- University of Michigan
- USDA Animal and Plant Health Inspection Service
- USDA Natural Resources Conservation Service
- U.S. Fish and Wildlife 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. Within this program direction the scientists in Michigan have already achieved the following:

- Established a Michigan population of natural enemies of the emerald ash borer, an important step in management of this invasive pest.
- Documented the risk posed by firewood in the movement of native and exotic forest pests, including the emerald ash borer.
- Demonstrated that the traditional practice of submerging ash logs in water both kills emerald ash borer larvae and protects wood quality, a reasonable solution for those who depend on black ash splints for basketry.
- Supplied analysis of Kirtland's warbler breeding grounds in Lower Michigan, which was used in conservation plans for this endangered species.
- Launched the Northwoods Climate Change Response Framework which will provide an integrated set of tools, partnerships, and actions to support "climate smart" conservation and management actions across Michigan and other Great Lakes States.

Budget for Michigan

Research Work Unit	FY 11	FY 12	FY 13
<i>East Lansing, NRS-03</i>	1,043,943	969,393	969,393
<i>East Lansing and Houghton, NRS-06</i>	1,282,724	1,282,724	1,282,724
STATE TOTAL	\$2,326,667	\$2,252,117	\$2,252,117

Grants and Agreements

Research Work Unit	Value of Grants and Agreements (all locations)	Fiscal Year
<i>NRS-03</i>	\$334,023	2011
<i>NRS-06</i>	\$1,465,390	2011

