

# Ohio Department of Natural Resources

## Division of Forestry

### Annual Work Plan

For

Dean  
State Forest

For the Period of

Fiscal Year 2010  
(July 1, 2009 to June 30, 2010)



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June, 10, 2009  
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# Table of Contents

I.	STRATEGIC PLAN ( <i>Effective 2008</i> ) .....	3
II.	Summary of Strategic Plan Actions .....	4
III.	Forest Overview.....	4
IV.	Resource Management .....	5
	<i>Silvicultural Practices</i> .....	5
	<i>Invasive Species and Timber Stand Improvement</i> .....	5
	<i>Boundary</i> .....	5
	<i>Insects &amp; Disease</i> .....	5
	<i>Utilization &amp; Marketing</i> .....	5
V.	Maintenance .....	6
	<i>Buildings</i> .....	6
	<i>Vehicles/Equipment</i> .....	6
	<i>Roads</i> .....	6
	<i>Mowing</i> .....	<i>Error! Bookmark not defined.</i>
	<i>Signage</i> .....	7
VI.	Recreation .....	7
	<i>Bridal Trails</i> .....	7
	<i>Camping</i> .....	7
VII.	Wildland Fire.....	7
	<i>Suppression</i> .....	7
	<i>Prevention</i> .....	8
	<i>Training</i> .....	8
	<i>Fire Department Contacts</i> .....	8
	<i>FEPP/FFP</i> .....	9
	<i>Training</i> .....	9
	<i>Equipment</i> .....	9
	<i>Patrol Priorities</i> .....	9
	<i>Special Projects</i> .....	9
	<i>Other</i> .....	9
IV.	Employee Development.....	10
	<i>Employee List</i> .....	10
	<i>Training</i> .....	10
	<i>Safety</i> .....	10
X.	Public Information/Outreach .....	10
	<i>Planned Events</i> .....	10

<b>XI. Budget</b> .....	<b>10</b>
<i>Operational Budget</i> .....	<i>10</i>
<i>Revenue</i> .....	<i>10</i>

# OHIO DIVISION OF FORESTRY

## I. STRATEGIC PLAN *(Effective 2008)*

*Our Vision: Ohio's state forests will be the best managed forest lands in the country, and will be widely recognized as such.*

**To fulfill this vision, the Ohio Division of Forestry commits to meeting five objectives. We will:**

- Manage forests to ensure the health and sustainability of forest systems
- Produce high-quality forest products that contribute to local communities
- Provide recreational opportunities that require a large forest land base
- Provide unique forestry education sites and promote outreach and long-term research
- Maintain a highly trained and well equipped work force

**To fulfill these objectives, the Division of Forestry will develop and implement strategies and plans that allow us to accomplish the following goals by 2011:**

- Manage forests to ensure the health and sustainability of forest systems
  - *Implement a proven, verifiable approach to sustainable management*
  - *Manage for site-appropriate, native forest systems and species*
  - *Maintain long-term forest productivity through conservation of soil, water, and forest resources*
  - *Retain or promote stand and landscape level wildlife habitat*
  - *Assess the distribution and impact of non-native invasive species*
- Produce high-quality forest products that contribute to local communities
  - *Base State Forest harvest volumes on the goals and guidelines for each forest system, current stand and forest-wide inventories, and science-based silviculture*
  - *Develop marketing strategies to capture the maximum value of forest products*
- Provide recreational opportunities that are compatible with sustainable forest management
  - *Develop a comprehensive recreation plan for the state forest system*
  - *Build recognition for unique and varied recreation opportunities on state forests*
- Provide unique forestry education sites and promote outreach and long-term research
  - *Support forest research with an emphasis on sustainable forest management (silvicultural, prescribed fire, native systems, etc.)*
  - *Develop opportunities to showcase forest management practices to the general public, private landowners, and forest industry*
- Maintain a highly trained and well equipped work force
  - *Develop a training, continuing education, and/or certification standard for all division staff*
  - *Inventory and evaluate equipment and facilities and develop maintenance and replacement schedules*
  - *Develop equipment and facilities budgets based on current and projected needs*
  - *Ensure all staff have appropriate health and safety training*

## II. Summary of Strategic Plan Actions

- Implementation of forest inventory for updated cruising methodology.
- Involvement in managing invasive plant species: cooperation with the Natural Resources Conservation Service through Environmental Quality Incentive Program's hiring of an Invasive Species Forester.
- An enhanced communication program with the use of web based information resources, Project Learning Tree and the Information and Education Program Administrator.

## III. Forest Overview

Located in the unglaciated hill country of extreme South Central Ohio, Dean State Forest, one of Ohio's first state forests, was established in June of 1916.

The early history of the region centered around Dutch and Irish farmers who emigrated from Pennsylvania. From the early 1800s to about 1900, most of the timber in the area was cut for charcoal to supply blast furnaces for the smelting of locally mined iron ore. The area had also been burned over many times by fires started along the Cincinnati, Hamilton and Dayton Railroad, which ran through Dean State Forest. Thus, when the land was purchased in 1916 for Dean State Forest, it was largely denuded of trees and was used as an early reforestation experimental area to determine the best species and planting methods. Several of the plantings, such as the white pine, red pine and tuliptree along State Route 373 in Texas Hollow, are visible results of those experiments and efforts.

In the early 1930s, a Civilian Conservation Camp was located on the forest. Supervised by the Division of Forestry, camp personnel constructed and improved access roads and did much timber stand improvement work. Today, Dean State Forest contains an unbroken block of 2,745 acres of forest land.

A wide variety of recreational opportunities exist at Dean State Forest. One popular activity is hunting. Deer, wild turkey, grouse, squirrel and rabbits are hunted in season at Dean State Forest. Several small ponds are located on the forest, and used by anglers. Mushroom and ginseng hunting are becoming increasingly popular activities.

Another major influence on Dean State Forest was the Ice Storm of 2003. This ice storm resulted in much downed woody debris. Many trees became uprooted and fell over, some snapped off at the trunk, and excessive amounts of limbs were broken from the tree tops. This weather event created a higher fuel loading on the forest floor, stressed living trees, and caused a reduction in growth and vigor, along with other impacts to the forested environment. Throughout much of Dean State Forest, helicopters were successfully used to remove storm-damaged timber.

The above descriptions are just some of the influences on the management of Dean State Forest. The Division of Forestry is striving to address the impacts while continuing to improve recreational opportunities. It is a working forest, so timber harvesting, tree planting, wildlife habitat, forestry research, watershed and soil protection, and production of tree seeds are all in a day's work for forest employees and many local residents.

It should also be noted that during the spring and fall forest fire danger periods, Division of Forestry crews detect and suppress wildfires that occur on state and private lands within the surrounding protection area.

The following document will highlight the annual work planning for Dean State Forest. It is written on a fiscal year basis and will provide direction for the upcoming year's activities. Employees are directed to complete projects with public and employee safety being top priority.

#### **IV. Resource Management**

##### ***Silvicultural Practices***

No silvicultural practices are scheduled for Dean State Forest FY 2010.

##### ***Invasive Species and Timber Stand Improvement***

There are locations throughout Dean State Forest that suffer from invasive species; an Ohio University graduate student has mapped most of these areas. Through the Ohio Woodland Job Corps these nuisance areas will be treated during the next two years.

##### ***Boundary***

The Dean State Forest boundaries will be marked according to a 5-year rotation and no boundary marking activities are scheduled for this year.

##### ***Insects & Disease***

Foresters and Staff will continue to monitor for invasive / exotic / epidemic insects and diseases. These include but are not limited to the Ohio Department of Agriculture Emerald Ash Borer Program and Gypsy Moth Aerial Survey.

##### ***Utilization & Marketing***

Forest products will continue to be offered for sale through both the traditional state forest timber sales (stumpage) and merchandising sales. Additionally, firewood permits will be available for sale to the public.

## V. Maintenance

### ***Buildings***

There are 5 buildings at Dean State Forest. They are as follows: Office, carpenter shop, equipment barn, gas house, and the state residence.

The Forest Operations Crew will be responsible for the following:

- Routine maintenance on all buildings.
- Routine upkeep on all buildings and grounds.
- Workspaces will be kept neat and organized.
- Replace the shingles on the oil house.
- Rain gutters on all buildings will be cleaned bi-annually.
- Crew will cut approximately 20 loads of firewood to heat the office.

### ***Vehicles/Equipment***

Dean State Forest utilizes four (4) highway vehicles, eight (8) off highway vehicles, two (2) pull behind trailers, and many hand and power tools. All Forest Staff will be responsible for the following:

- All vehicles and equipment will be maintained and in working order.
- Diesel fuel, gasoline, oil, and other maintenance supplies will be purchased as necessary.
- Fuel books and maintenance records will be kept current by a designated employee.

### ***Roads***

Dean State Forest includes approximately 6 miles of roads and 67 culverts and header systems. Forest Operations Crew and Forest Managers will be responsible for the following planned work-load as well as issues that may arise through the year:

- Inspect headers annually, clean and maintain as needed.
- Utilize road graders to grade gravel roads and maintain ditches as needed (usually about once per year).
- Clear debris from roads as needed.
- Litter pick up as needed.
- Patch potholes as needed.
- Repair slips as needed.
- Roadside mowing will occur in accordance with Division of Forestry Policy

## ***Signage***

Signage will be replaced as needed. They will either be purchased or constructed by forestry staff. Evaluations will be made, as needed, pertaining to the state of degradation, need for maintenance or replacement, and locations of signage.

## **VI. Recreation**

### ***Bridle Trails***

Dean State Forest contains over 20 miles of bridle trails. The following are the planned activities for the year:

- Paint all six of the bridle trail gates.
- Brush hog 6 miles of trails annually
- Clear trails of debris as needed.
- Paint the bridle trails to visibly mark routes.
- Reroute or rehab the eroded sections of Pinkston and Tar Kiln Trails.

### ***Camping***

Roadside Camping:

In order to provide for a quality hunting experience:

- The Forest Manger will administer the roadside camping program
- The Office Assistant will track camping permits
- Law Enforcement Officers will patrol the areas and enforce the rules
- Forest Staff will collect camping permits and return them to the Office Assistant
- Forest Officers will patrol during road side camping and enforce forest rules

Roadside camping occurs during the following hunting seasons:

Deer - special area primitive weapons season, Shawnee only

Deer - gun: Scioto & Adams Counties

Deer - primitive weapons, statewide

Wild Turkey – Spring & Fall Seasons

## **VII. Wildland Fire**

### ***Suppression***

Dean State Forest staff will be responsible for the initial attack activities on wildfires located within the forest boundaries. Suppression activities will occur within the Dean State Forest Protection area. This includes Lawrence and Gallia counties. This protection area is known for its high fire activity due to arson.

- The staff will also respond to volunteer fire department mutual aid requests within the Dean State Forest Protection Area.
- Area Fire Supervisors will maintain call out sheets and will coordinate wildfire response procedures.
- Area Fire Supervisors will report and update the District Manager of fire suppression activities and potential wildfire conditions.

### ***Prevention***

Each fire season, the majority of wildland fires are human caused and usually result from debris burning. In order to promote wildfire prevention and awareness:

- The Fire Supervisor will coordinate media activities such as interviews with the local press for television and newspaper articles. Timing critical releases with high danger fire weather will be critical in increasing public awareness.
- The Crew will maintain fire prevention signs in Lawrence and Gallia counties (1 sign per county)
- The Smokey Bear suit is also loaned out to local fire departments and other safety oriented organizations to further promote prevention. The Office Assistant will maintain records on suit loans and will track scheduling.
- The Forest will host the Lawrence County Fire Fighter Association meeting once annually.

### ***Training***

Well-trained staff with diverse experience levels shall be maintained at all times in order to effectively achieve suppression on wildland fires.

- A Shawnee/Dean fire refresher will be conducted annually
- Firefighters will attend NWCG and other fire training as needed
- Training shall be tracked and recorded shortly after completion
- The Office Assistant will update and improve recording of employee training. A spreadsheet will be created and located on the M: Drive

Forest Officers also offer several training opportunities to local fire department including a basic wildfire class and a topography class.

- These classes will be offered to departments annually on a scheduled basis.
- Forest Officers will create a spreadsheet to track the trainings that are being offered and will locate this file on the M: Drive

### ***Fire Department Contacts***

Forest Officers will maintain the contact information for all of the fire departments within the fire protection area. Officers and staff will strive to maintain open communications with departments and to also improve communications. As mentioned above, an email contacts list will be developed to further facilitate in these areas.

Officers will attend the following fire department meetings:

- Adams County Chiefs Association meetings – once every three months
- Ohio Valley Firefighters Association Scioto County meetings – once a month
- Lawrence County meetings – once a month

#### ***FEPP/FFP***

Each year, Forest Officers will inspect FEPP property that has been assigned to the fire departments by the Division of Forestry. The inspections occur from January 1<sup>st</sup> to mid March 1st. There are a total of 28 departments participating in this program and 83 assigned pieces of equipment.

- Officers will inspect the equipment and perform the appropriate reporting by or before the due date
- Officers will update the Forest Manager of their current progress weekly, and should also provide the Forest Manger with a list of the FEPP equipment stationed throughout the protection area

### **VIII. Law Enforcement**

#### ***Training***

See Shawnee State Forest plan.

#### ***Equipment***

See Shawnee State Forest plan.

#### ***Patrol Priorities***

- Vehicle patrol forest roads
- Patrol 20 miles of horse trails on APV's.

#### ***Special Projects***

See Shawnee State Forest plan.

#### ***Other***

See Shawnee State Forest plan.

**IV. Employee Development**

***Employee List***

Three employees work at Dean State forest, as follows:

Equipment Operator- Dean DePriest  
Equipment Operator- Tim Boggs  
Conservation Aid – Garth Sturgill

These employees split time between Shawnee and Dean State Forests

***Training***

See Shawnee State Forest plan.

***Safety***

See Shawnee State Forest plan.

**X. Public Information/Outreach**

***Planned Events***

Dean State Forest will be represented at Open Houses at Athens-ODNR Headquarters and Shawnee State Forest August of 2009.

***Partnerships***

- Decatur Township Trustees
- Wayne National Forest
- Local fire departments within the fire protection area
- National Wild Turkey Federation
- Ruffed Grouse Society

***Volunteers***

Currently, no volunteers are assisting Dean State Forest.

**XI. Budget**

***Operational Budget***

- Dean State Forest FY 2010 Budget is currently being developed and will be included in the Shawnee State Forest budget.

***Revenue***

- No timber revenues are currently scheduled for Dean State Forest.