

Ohio Department of Natural Resources

Division of Forestry

Annual Work Plan

For

Maumee State Forest

For the Period of

2016/2017

October 1, 2016 to September 30, 2017



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June 10, 2016

Approved By:

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September 30, 2016

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I. Forest Overview

History & Description:

A Brief History: Northwest Ohio's topography and natural features are a result of the last glacier to pass through this area about 18,000 years ago. As the Wisconsin glacier began its retreat from Ohio, a glacial lake was formed across the northwestern corner of Ohio. As the water level fell, irregular sand beaches and a portion of the lake bottom were exposed. This area, with its poorly drained soils ranging from yellow blow sand to dark muck soil, became known locally as the Oak Openings Region. The entire 3,191 acres of Maumee State Forest is within the Oak Openings Region. Elevation of the land varies less than 29 feet over the entire forest area.

The Maumee State Forest purchase unit came about as a post-World War II initiative to increase the number and acres of state forest and forest parks in Ohio. In 1945, the Division of Forestry published "A Twenty-year Plan for establishing a More Adequate System of State Forests and Forest parks in Ohio." The plan called for seven more State Forests or Forest parks. Acquisition of land for Maumee State Forest was initiated in 1946. Most of the land that makes up the present forest was purchased between 1946 -1953. In 1996, the Bucher and Kreps Family donated 36 acres of land in Compartment A7. Most recent acquisitions include the Rusin, Filzer, Jeffries and Thomas tracts (91 acres total) in 2013 and TNC-Hight Tract (113 acres) in 2015.

In 1948, the first plantations were started in abandoned farm fields. By 1954, drier old fields had been planted to pine plantations and wetter field areas to hardwoods. The forest was self-supporting for several years from the sale of Christmas trees.

Maumee State Forest is located 15 miles southwest of Toledo in northwestern Ohio with portions in Fulton, Lucas and Henry counties. The forest covers 3,191 acres.

Maumee State Forest is managed under the multiple-use concept including but not limited to, timber, wildlife habitat, forestry research, demonstration of good forest management, soil and water protection, recreational use and unique natural features.

During the spring and fall fire season, the forest crew encourages prevention and assists in the suppression of wildland fires. The spring is also the time of planting seedlings on private farmland through the Northwest Ohio Windbreak Program.

II. Resource Management

Silvicultural Practices (Scheduled Harvests, Cruising, Marking, TSI, Tree planting, Restoration projects etc.):

Following is a listing of compartments that will be inventoried or have resource management projects this year.

State Forest	Compartment	Total Acres	Work
Maumee	A7	40	<u>Prescription Cruise</u> . Inventory pine plantations. This compartment moved up in priority from previous cruise schedule based on visual observations of red pine decline and mortality.

Maumee	B1	80	<u>Prescription Cruise.</u> Inventory pine plantations.
Maumee	A2	13.2	<u>Tree Planting.</u> Plant high value hardwood tree seedlings (red oak, white oak, black oak, walnut, black cherry, American chestnut) on old field portions of the Rusin Tract which was acquired in Fall 2013. Native prairie mix may be seeded between tree rows.
Maumee	A7/C2	112.9	<u>Oak Openings Habitat Restoration.</u> Perform wetland restoration, tree planting and oak woods enhancement on TNC-Hight Tract acquired in 2015. Former agricultural low/wet ground to be restored to wet prairie/wet sedge meadow. Former agricultural high/dry ground to be planted to oak trees with portions to be seeded to dry site native prairie plants (or a combination of both). Existing woods containing high/dry ground will have timber stand improvement practices applied to enhance existing oak trees while removing undesirable species such as red maple.
Maumee	A2/A3/A4	3-5	<u>Tree Planting.</u> Blight-resistant American chestnut seedlings will be planted on various locations of Maumee State Forest. Primary location would be in Compartment A2 on the open field of the Rusin Tract. Some chestnut seedlings may be planted in the tornado damaged area of Compartment A3 and A4. Planting is subject to availability of chestnut trees from the American Chestnut Foundation.
Maumee	A2, A3, A4, B2, C3,C4	100-150	<u>Prescribed Fire.</u> Various areas of Maumee State Forest will be considered for prescribed fires, with management objectives including: invasive control, maintenance of wet prairie areas, maintenance of oak savanna area, encourage oak dominated regeneration, timber stand improvement of oak stands, maintenance of early successional habitat areas and fuel loading mitigation.

Zoning of TNC/Hight Tract. In 2015, two parcels located in Compartments A7 and C2 totaling 113 acres were purchased from The Nature Conservancy. Both parcels contain a mixture of agricultural land and woodland.

Both parcels need to be zoned pursuant to Chapter 2 of the division's Land Management Manual:

- It is proposed that the low/wet agricultural ground will be restored to wetland type community and be zoned 1-D (High Value Conservation Forest – HCV Restoration Area)
- It is proposed that the high dry agricultural ground be restored to oak woods/oak openings type community and be zoned 1-D (High Value Conservation Forest – HCV Restoration Area).
- It is proposed that the existing woodlands area be Zoned 3C as Intensive Management – Timber Management Area.

Minerals:

There are no current mineral issues or extractions on Maumee State Forest.

There is pending proposal for a natural gas pipeline (Nexus pipeline) to go through the east side of Compartment A2 and on the newly acquired TNC-Hight Tract in Compartment A7/C2. Environmental assessments are ongoing.

Invasives:

Over the years, the Division has partnered with different agencies and groups to treat invasive plants on Maumee State Forest, particularly in the Henry County area known as the Muck Farm. The Division will continue to monitor and treat buckthorn and other invasive plants as necessary.

Boundary: (Approximately 24 miles of boundary)

There are approximately 24 miles of boundary line on Maumee State Forest. Approximately 20% of the known boundary will be repainted with yellow paint. Signage and boundary markers will also be checked and replaced as necessary.

Licenses/Leases:

At present, the Division of Forestry has working agreements or leases with the following agencies:

- Henry County Commissioners – 13 acres in Compartment C-4. Henry County Commissioners sublease the facility to Lutheran Home Service, Family and Youth Services Inc. LHS operates the facility for the care and treatment of children with Asperger's Disorder. (This area was previously leased to the Ohio Department of Youth Services as the Maumee Youth Center)
- Henry County Commissioners – 15 acres in Compartment C3. Henry County Commissioners sublease the facility to Pathstone Corporation for a migrant rest center, transitional housing, emergency shelter, training and education. (This area was previously leased to Ohio Bureau of Employment Services as a migrant rest center.)

Insects & Disease:

Cooperate with the Ohio Department of Agriculture, OSU Extension, APHIS and USDA Forest Service with their monitoring and research efforts of the emerald ash borer. Monitor for gypsy moth activity on the forest.

Cooperate with USDA Forest Service in their research effort to bring back and establish resistant ash and elm trees in Ohio and surrounding states.

Monitor for thousand cankers disease on black walnut.

Utilization & Marketing:

Pine and hardwood trees that have died or fallen and contain merchantable logs will be salvaged and be sold by bid or local manager's sale.

Firewood permits will be issued on a request basis for downed trees along roadways, firelanes and facilities.

Certification:

The Division of Forestry will continue third party dual certification under the Forest Stewardship Council[®] and the Sustainable Forestry Initiative standards. Surveillance audits will be conducted in the fall of 2016.

Research:

Work with the U.S. Forest Service with the elm tree research project. The planted elm trees are hoped to be resistant to Dutch Elm Disease. There are currently 15 trees planted in the research project that began in the summer of 2003.

Work with USDA Forest Service on the resistant ash plot established in 2007 at the Maumee Tree Improvement Area. Approximately 300 ash trees were planted with origins ranging from Europe, China, Eastern U.S. and Western U.S.

Also assist outside agencies to facilitate research projects on Maumee State Forest such as EAB forest ecology, flora/fauna studies, wet prairie studies, vernal pool studies, Fraxinus seed studies, American Chestnut blight resistance studies, Sirex wood wasp studies, salamander research, box turtle/blandings turtle/spotted turtle studies and Lepidoptera studies.

Summary (2-3 year projects)

The next 2-3 years will focus on tree planting, restoration re-treatments and invasive control work on wetland areas and oak savannah remnants. Prescribed fire may be used on several sites to help maintain restored areas.

Pine plantation thinning harvests will likely be planned based upon prescription cruising results over the next few years.

Due to the emerald ash borer, most ash trees greater than 2 -3 inches in diameter are now dead on Maumee State Forest. There are, however, numerous ash seedlings and small saplings. Dead ash trees that pose a hazard in high use areas will be felled.

Ongoing projects also include the continuation of partnership with groups such as APV riders, Ohio Horseman's Council Groups, watershed agencies, Toledo-Lucas County Metroparks, The Nature Conservancy, Oak Openings Regional partners and local Scout groups.

III. Maintenance

Buildings:

Perform general maintenance, routine cleaning and repair to buildings and structures located on the forest. Buildings/structures include:

1. Headquarter Building
2. Block Storage Building
3. Refrigeration Trailer
4. Storage Barn
5. APV Latrine
6. (4) Information Kiosks (Stewardship Trail, APV Area, Henry County Bridle Trail and Chestnut Education Plot in Tree Improvement Area)

Lock-Out-Tag-Out and Confined Space procedures will be followed in identified areas. Confined Spaces at Maumee State Forest include the APV Latrine on Road 2 and the hydraulic lift vault in the HQ building.

Have fire extinguishers annually inspected.

A wood-fired boiler furnace is to be installed at the Maumee State Forest HQ building.

Regular maintenance and mowing by forest crew will be performed at the Windbreak Arboretum, Tree Improvement Area, APV Area, Forest Headquarters, Camp Trail parking area and the Stewardship Trail.

Infrastructure (water, wastewater, utilities):

Gas pipelines, transmission lines, and telephone rights-of-way are found throughout Maumee State Forest. Right-of-way activities are closely monitored to ensure that Best Management Practices are used to minimize erosion and work with the industry personnel to minimize the aesthetic impacts of their work.

Vehicles/Equipment:

Continue the preventive maintenance, timely service and repairs to the unit's fleet of vehicles and equipment. Vehicles and Equipment include:

- 2009 Dodge Crew Truck
- 2003 Ford Cargo Van
- 2002 Freightliner Transport Truck
- 1998 Chevy Pickup
- 1998 International Dumptruck
- 2000 Sterling Truck with log loader
- (1) Fire Engine/Pumper
- (3) tractors
- (1) bulldozer
- (2) equipment trailers
- (1) mini-excavator

Annual equipment requests will continue to request the replacement of our snow plow, equipment trailer, and the purchase of a skid steer loader to be based out of Maumee State Forest.

Roads:

There are no paved or maintained forest roads within Maumee State Forest. A network of state, county and township roads offer good general access to Maumee State Forest. There are 66 miles of fire lanes (limited access roads) within Maumee State Forest. These are inspected, mowed and cleared of downed trees at least once (usually 2-3 times) during the fiscal year.

Signage:

Conduct annual inspection of forest signs, repairing, painting and/or replacing as necessary. Approximately 48 signs have been installed/replaced/repared/repainted in the past.

Residences:

There are no state owned residences located on the forest. There are however, numerous rural residential and farmstead homes bordering the Maumee State Forest parcels.

Dams:

There are no dams located on the forest.

Capitals Projects:

The development or major renovation of systems, buildings and facilities (recreation and administrative) is addressed through a capital improvement plan. These projects are distinct from the day-to-day operations of the Division and State Forests, which are funded through a biennium operating budget. Following are projects that may be considered under future capitals budgets at Maumee State Forest.

- State forest storage building replacement
- Furnace/central air replacement
- Hydraulic Lift Replacement

Summary (2-3 year future projects):

Maintenance on the forest, facility and equipment is an important part of everyday functions. Regular maintenance and repairs are needed to maintain equipment at Maumee SF. The forest crew performs the majority of the maintenance and repairs.

IV. Recreation

Trails (bridle, hiking, etc.):

Bridle: There are two bridle trail areas on Maumee: Lucas County (3 miles) and Henry County (5 miles) bridle trails. The bridle trails will be inspected at least twice each year. The trails will be mowed and downed trees cleared as needed. We will continue working with volunteers and OHC groups to maintain the bridle trails.

Hiking: There are over 66 miles of firelanes/hiking trails (limited access roads) on the forest. These will be inspected, mowed and cleared of downed trees at least once this year. We will promote and maintain the Stewardship Trail kiosk and trail system.

Campgrounds:

There are no campgrounds on Maumee State Forest

APV and Snowmobile: There are approximately 6.5 miles of APV and snowmobile trails. The original trails were established in 1972. These trails will be inspected for downed trees quarterly or after major wind events. Grading and leveling of trails will be performed as needed or as ground conditions will allow. Trail markers will be reviewed and remarked as needed.

Future expenditures utilizing State Recreational Vehicle (SRV) Funds may include land acquisitions, equipment purchases (trail groomer/grading equipment), facility improvements and salary reimbursements for administrative and law enforcement time spent on APV Area. A utility trailer was purchased June 2015 utilizing SRV Funds.

In the next year a picnic shelter will be constructed near the APV parking lot. The shelter will provide shade and a good place to rest when riding. The shelter will be funded primarily through the SRV fund and the division's NRTP grant.

In May of 2015, a written proposal was submitted by the Toledo Trail Riders for single track trails within the existing APV Area. This proposal was approved as a pilot project to install up to 1 mile of single track trails in the Maumee APV Area. Preliminary field marking has been completed, as well as threatened and endangered plant checks. Installation of $\frac{3}{4}$ mile of single track trail is planned in Fall 2016.

Hunting: All areas of Maumee State Forest are open to public hunting as outlined by ODNR Division of Wildlife rules and regulations.

Miscellaneous Use: Berries, nuts and mushrooms may be gathered and removed from Maumee State Forest as on all state forestland. Geocaching is permitted. A special use permit must be obtained to place a geocaches on state forests.

Green Ribbon Initiative (GRI) partners will be collecting seed (sedges, grass, floral plants) in 2016 – 2017 on various locations of Maumee State Forest. This seed will be used primarily in restoration efforts on the TNC-Hight Tract.

Recreational facilities, trailheads, picnic areas and other places where forest visitors congregate will be periodically inspected for hazard trees. Trees identified as possible hazards to users will

be removed by the forest crew. Inspect all culvert crossings. There are 12 culvert crossings on the forest.

Recreational Grants:

Grant funding through ODNR's Office of Trails has been ongoing through the National Recreational Trails Program (NRTP) to assist with projects and maintenance in the Maumee APV and Snowmobile Area.

The State Recreational Vehicle Fund (SRVF) consists of revenues from the sale of APV and snowmobile registrations. These funds are dedicated for the purposes of enforcing and administering the laws relative to APV/Snowmobiles, for trail expansions, purchase of land to be used for APV/Snowmobile trails and for development and implementation of programs relating to APV/Snowmobile safety and use.

Summary (2-3 year future projects):

Since dedicated funding is available, the division will aggressively pursue expansion opportunities for APV's, including new trails and land acquisitions.

V. Wildland Fire

Suppression:

Aggressively suppressing wildland fire starts within the forest. On May 3, 2015 an unusually large wildfire (25.2 acres) occurred in Compartment B2 in Lucas County.

When requested, support area fire departments in their suppression efforts with equipment, personnel and planning.

Prevention:

Participate in at least 3 parades and/or fire prevention programs with Smokey Bear as requested and as time and budget allow.

Provide general fire prevention information and handouts to the local fire departments, educational institutions and the general public.

Provide use of Smokey Bear costume for those sponsoring genuine fire prevention events and activities.

Prescribed Fire:

The following sites will be considered for prescribed burning, as weather, workload, available workforce and budget allow:

1. Road 3 Clearcut (A3)
2. Lupine Site (A4)
3. Stew Trail Demo Area (A2)
4. Muck Farm and adjacent GLRI restoration areas (C3/C4)
5. Compartment C3 Oak Savanna restoration area (C3)
6. Phragmites patch near Road 4 (A2)
7. Manore Road Wet Prairie B2
8. Rusin Tract Old Fields (A2)
9. Filzer Tract Old Fields (C3)

10. Oak wood Maple Control. Compartments A1, A2, A7, C2, C3, C4
11. Pine Plantation Invasive Control, Compartments C3, C4
12. Tornado Area Oak Regeneration Enhancement A3, A4

Interagency Fire Crew:

Maumee staff members will be allowed to participate in the Division's Interagency Fire Crew program as workload and budget allows.

Training:

Provide fire related training sessions for our Division personnel.

Provide basic wildfire training and information as requested.

Fire Department Contacts:

Update the Fire Department Information Sheets at least one time per year. Attend fire department or fire association meetings when possible.

Maintain Cooperative Agreements for Wildfire Suppression. Current agreements are with the following fire departments:

1. Delta Community
2. Liberty/Washington Township
3. Monclova Township
4. Providence Township
5. Spencer Township
6. Springfield Township
7. Swanton
8. Whitehouse

Distribute new information on fire program or host meeting for all departments within the Fire Protection District. Need to continue to promote wildfire reporting.

Request investigations within fire district for wildland fires that are suspicious in nature or damaging to property or natural resources.

Firewise:

Continue to promote the Firewise program within the Maumee Fire Protection Area. Promote Community Wildfire Protection Plans (CWPP) to fire departments and communities as part of the emergency preparedness planning process. Utilize the division's Firewise Coordinator to assist.

Federal Excess Personal Property (FEPP)/ Fire Fighter Property (FFP) programs:

Continue to complete annual inspections of federal property within our fire protection project. The following is a list of FEPP Equipment in The Maumee Fire District:

1. Mack R-9 Tanker – Delta Community
2. AM General 2.5 ton 6x6 Cargo Truck - Swanton
3. Mack R-9 Tanker – Providence Township
4. (2) Portable Pumps – Maumee State Forest
5. Hose Reel booster – Maumee State Forest
6. 83 Gallon Tank – Maumee State Forest

Continue to promote the participation of fire departments in the Federal Excess Personal Property (FEPP) and Fire Fighter Property (FFP) programs.

Fire Grants:

Promote grant opportunities to area fire departments. (VFA – Volunteer Fire Assistance Grants)

Summary (2-3 year future projects):

Wildfire suppression is a responsibility that has been traditionally associated directly with the Division of Forestry. Our staff and volunteer fire departments suppress fire on our state forestland. We support volunteer fire departments with technical assistance and heavy equipment on larger fires and multiple fire situations. In order to keep wildfire losses to a minimum, we maintain close contact with and provide training to fire departments in our area.

The Maumee Fire District encompasses parts of Fulton, Lucas and Henry counties. Within this area are nine fire departments. Eight of the nine fire departments are volunteer departments and are eligible for financial assistance for wildfire suppression through Cooperative Agreements.

Recent changes in the Ohio Revised Code have created the opportunity for the forest fire protection area to expand and include other areas. As required by law, considerations will include forest cover, threat to forest resources, population, and fire occurrence. If the area is expanded in northwest Ohio, the Maumee State Forest staff will assist new departments with their needs relating to wildland fires.

VI. Law Enforcement

Due to re-organization, the Division of Forestry’s Law Enforcement staff was transferred to the Division of Parks in Fiscal Year 2013. These officers continue to enforce laws on State Forests, as well as continuing to investigate and enforce Ohio’s wildfire laws.

VII. Employee Development

Employee List/Vacancies/Table of Organization:

Don Schmenk	Forest Manager
Troy Rachel	Equipment Operator
Dean Druschel	Intermittent Equipment Operator

Training (tuition reimbursement, etc):

Provide or participate in Defensive Driving, CPR and First Aid training.

The Forest Manager and Equipment Operators will keep their pesticide Commercial Applicator License and CDL license updated through training and license renewal.

Safety:

Hold periodic safety meetings for the employees.

Employees will be provided with one pair of safety toe work boots.

Conduct annual inspection of lock out/tag out tool boxes.

Other Employee Development:

Employees will be allowed to participate in professional development and educational training programs as workloads and the budget allows.

VIII. Public Information/Outreach

Planned Events:

APV Area Charity Event by Toledo Trail Riders	October 2016
APV Area Cleanup – Maintenance Day with TTR	October/November 2016
2017 Windbreak Planning Meeting with SWCD’s	July 2017
Open House for Maumee State Forest	July 2017
Smokey Bear in Delta Chicken Fest Parade	July 2017
Smokey Bear in Swanton Corn Fest Parade	August 2017
Maumee SF Program Talk to Naturalist Camera Club	September 2017

Windbreak Arboretum and Tree Improvement Area

Nearly 5 acres are set aside for demonstration and research plantings. The windbreak arboretum was established in 1990 on approximately 2.5 acres to demonstrate various tree and shrub species commonly used for windbreak plantings in Northwest Ohio. This area is used to demonstrate the benefits of windbreaks to private landowners.

The 2.5 acre Tree Improvement Area is primarily designed for research plantings of various species. Currently the U.S. Forest Service has two experimental plantings in place:

- In 2004, American elm trees having known resistance to Dutch elm disease (DED) were planted by the USFS Delaware Laboratory.
- In 2007, an experimental planting of native and Asian ash species was completed by the USFS Delaware Lab to determine resistance to the emerald ash borer.

In the Spring of 2013, an American chestnut education/demonstration plot was established by volunteers in the Tree Improvement Area. The plot exhibits the American chestnut, American hybrid chestnut, Chinese chestnut, Japanese chestnut and the Allegheny chinquapin chestnut. The establishment of this plot was made possible by the efforts of local Tree Farmer Walt Lange, Eagle Scout Ben Cook, Empire Chestnut Company and the Ohio Chapter of the American Chestnut Foundation.

Partnerships:

Partnerships with recreational users are important to getting many projects accomplished on Maumee State Forest, including: construction of informational kiosks, roadside trash pick-ups, trail clean-ups, and construction of horse mounting stations.

The following is a partial list of agencies/constituents/partners of Maumee State Forest:

- Toledo Trail Riders
- Fulton County OHC
- Henry County OHC
- USDA Forest Service

USDA APHIS
Tri-County Rural Electric
Swan Creek Watershed Committee
Green Ribbon Initiative
Bowling Green State University
Michigan State University
Toledo Metro Parks
Ohio State University
Ohio State University Extension Service
ODNR Division of Natural Areas and Preserves
ODNR Division of Wildlife
ODNR Division of Parks
Boy Scouts of America
State Highway Patrol Post 48
County Sheriff in Fulton, Henry and Lucas counties
9 Cooperating Fire Departments in Fulton, Henry and Lucas counties
17 Soil and Water Conservation Districts in northwest Ohio
Ohio Department of Agriculture
Oak Openings Region Conservation Planning Partners
The Nature Conservancy at Kitty Todd
Ohio EPA NW District Office
4 Townships – Swan Creek, Swanton, Providence and Washington Township
3 Counties and County Commissioner Offices – Fulton, Henry and Lucas counties
Pathstone Inc.
LHS - Lutheran Social Services
Toledo Naturalist Association
Ohio Lepidopterists
NWTF – National Wild Turkey Federation

Volunteer Groups:

Individual or group volunteering is handled on a case by case basis. A volunteer agreement form must be completed for volunteer projects. Volunteer agreements are currently maintained with the following groups:

1. Fulton County OHC 2009-2011 and 2014 - 2017
2. Toledo Trail Riders 2009 – 2016

The Fulton County Court often assists by assigning community service workers to trash-pickup projects in Maumee State Forest.

Interpretive Programs:

The Stewardship Trail offers a self-guided tour of forest management practices on the forest. The trail consists of 18 different stops. Visitors can choose from a one mile or two mile hiking loop through the forest and will encounter a range of management treatments including pine thinning, pine clearcuts, prescribed burns, wildlife management areas, invasive species, insect/disease trees, riparian corridor and emerald ash borer ash salvage logging areas.

Educational programs dealing with forestry related topics, such as forest management, tree planting, and fire prevention are given to students and interested groups on a request basis. Various schools and groups visit the forest to learn about forestry and the forest environment.

Summary (2-3 year future projects):

Information and Education about forest resources in Ohio is an ongoing component of the Division of Forestry. An annual open house event will be held at Maumee State Forest.

IX. Budget

Operational Budget

The FY2017 operational budget allocated to state forest units covers the general expenses necessary to the operation of the particular state forest. State forest managers and staff purchase supplies, services and equipment to keep the forest unit running, and report all expenditures. The proposed FY2017 operational budget for Maumee State Forest is \$45,500.00.

Revenue:

The state forest system generates revenue from timber and product sales, firewood permits and special use permit application fees, as well as the Northwest Ohio Windbreak Program at Maumee State Forest. A percentage of timber sale income is returned to the local township, county, and local school district through the “Trees to Textbooks” Program. A portion of the timber revenue kept by the Division of Forestry is utilized to pay fire departments for each wildland fire report that is submitted. These reports are generated by the fire department for each fire response that they conduct.

X. Other Programs

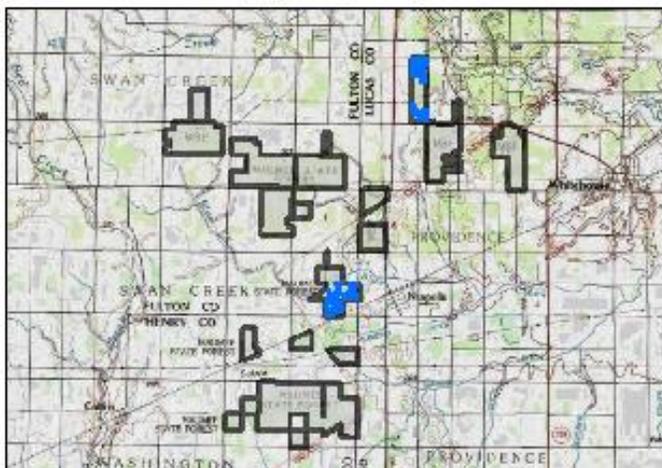
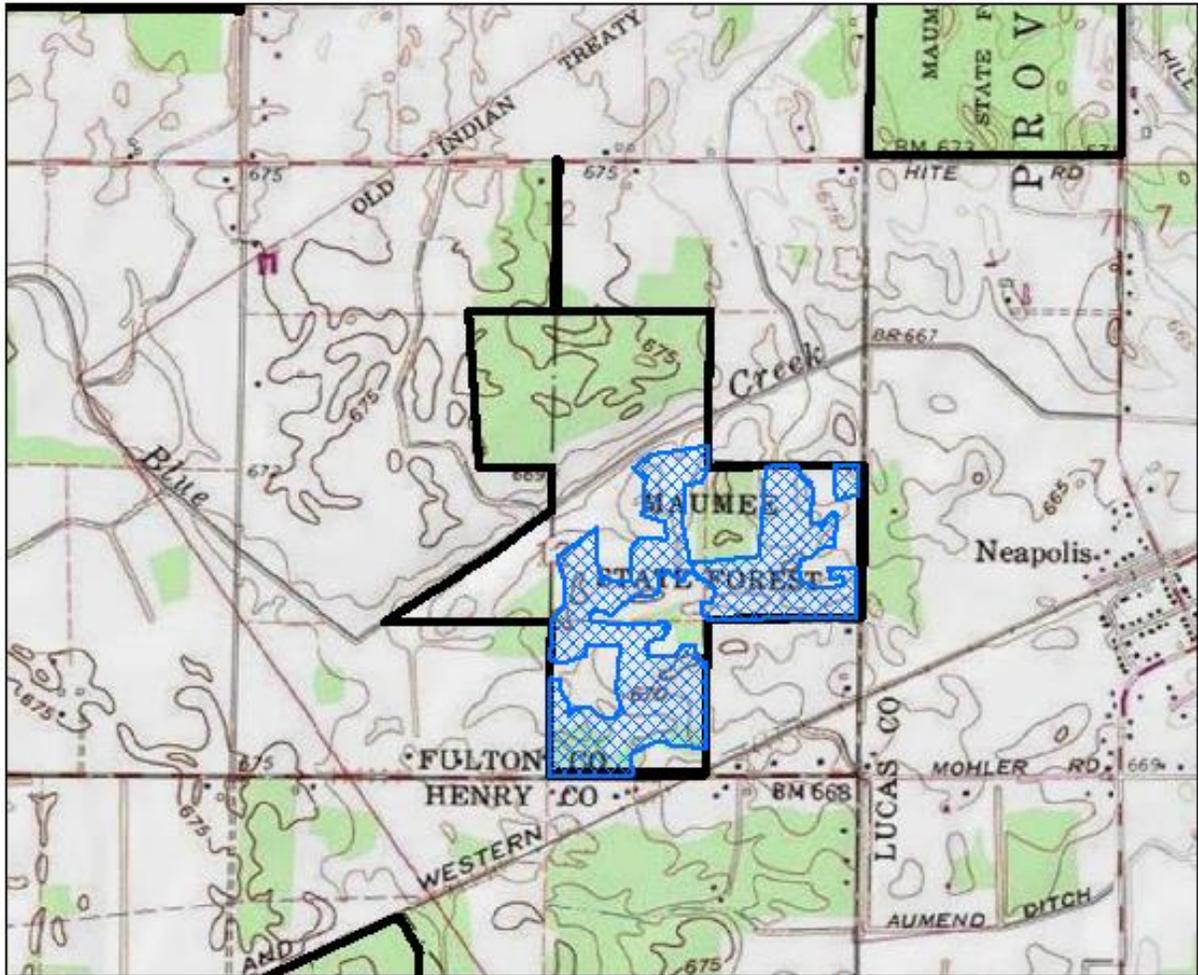
Northwest Ohio Windbreak Program

The Northwest Ohio Field Windbreak Program is an interagency effort to plant field windbreaks in 17 counties in northwest Ohio. The Maumee State Forest crew plays an important part and spends considerable time with the program. Primary roles and goals include:

- Plant field windbreaks in 17 participating counties each year.
- Apply spring and fall herbicide treatments to control competitive herbaceous vegetation.
- Work with landowners who seek technical advice.
- Provide cold storage of seedlings for the windbreak program.
- Maintain Windbreak Arboretum. Provide current information and demonstrations on windbreak tree and shrub species.

Maumee State Forest Proposed Prescription Cruising - Pine Fiscal Year 2017

Date: 6/27/2016



0 750 1,500 3,000 Feet

1 in = 0.25 miles

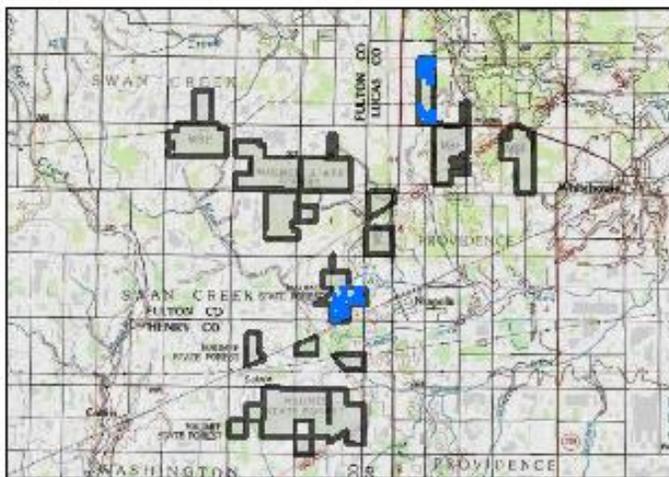
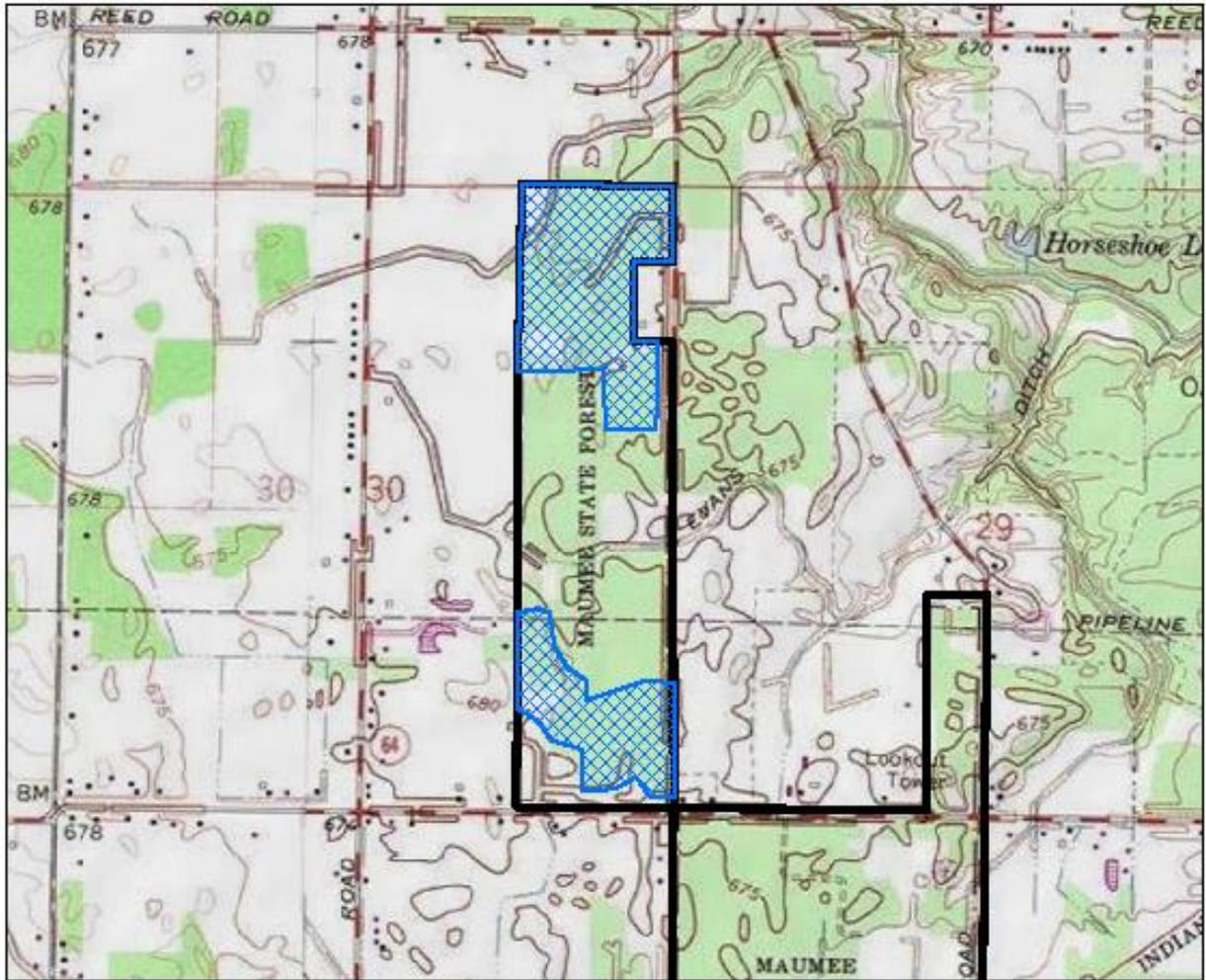
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Silv	
Pine Thin	
State Forest Boundary	



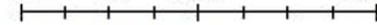


Maumee State Forest Proposed Prescription Cruising - Pine Fiscal Year 2017

Date: 8/27/2018



0 750 1,500 3,000 Feet



1 in = 0.25 miles

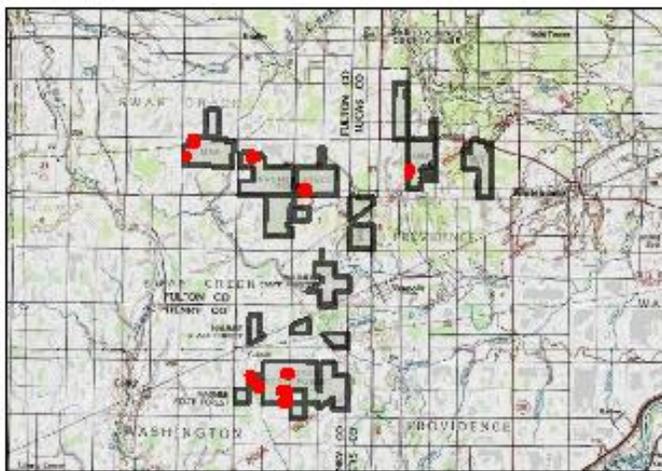
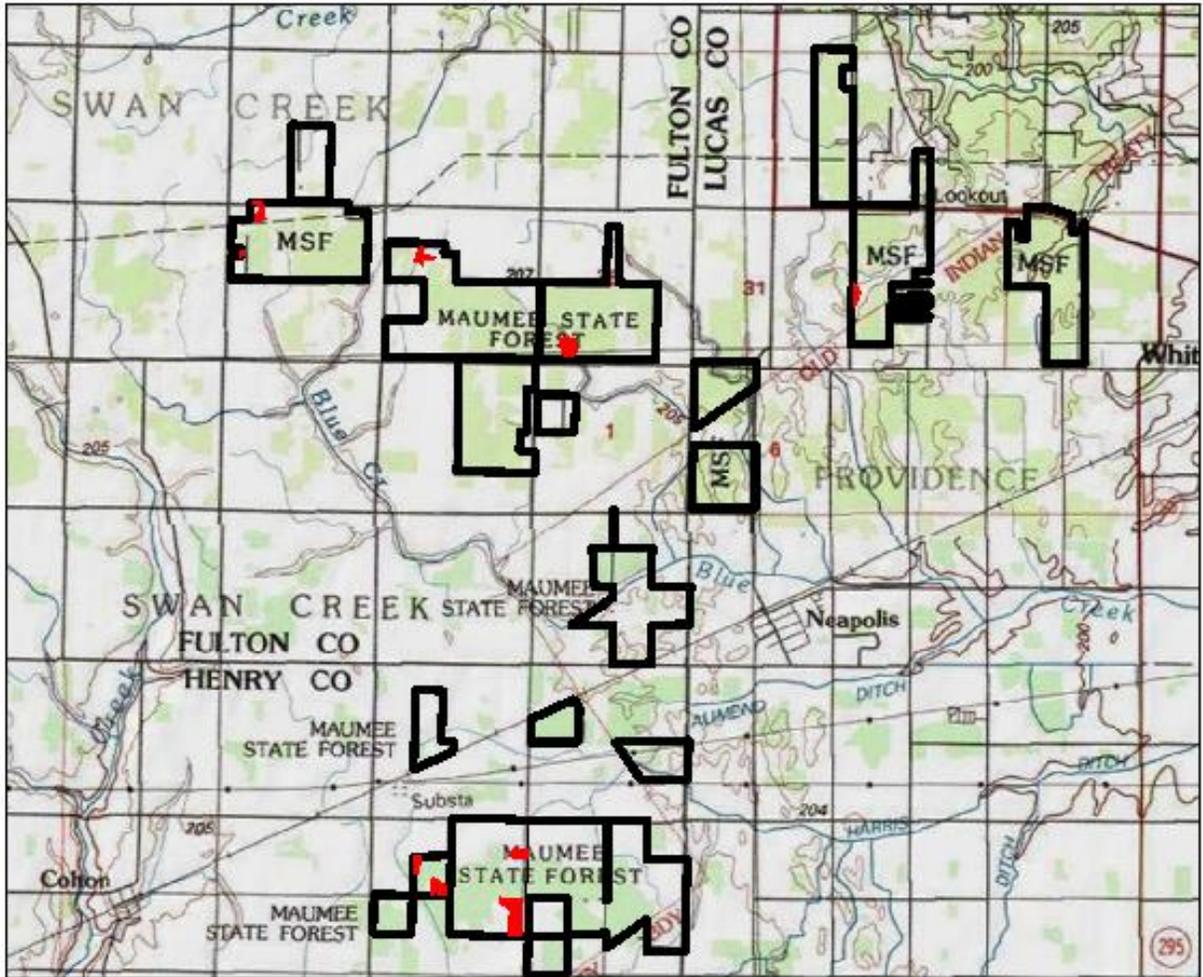
- Legend**
- Silv**
 -  Pine Thin
 -  State Forest Boundary





Maumee State Forest Proposed Prescribed Fire Fiscal Year 2017

Date: 8/27/2018



0 3,100 6,200 12,400 Feet

1 in = 1 miles

Legend

Silv

- Prescribed Fire
- State Forest Boundary

