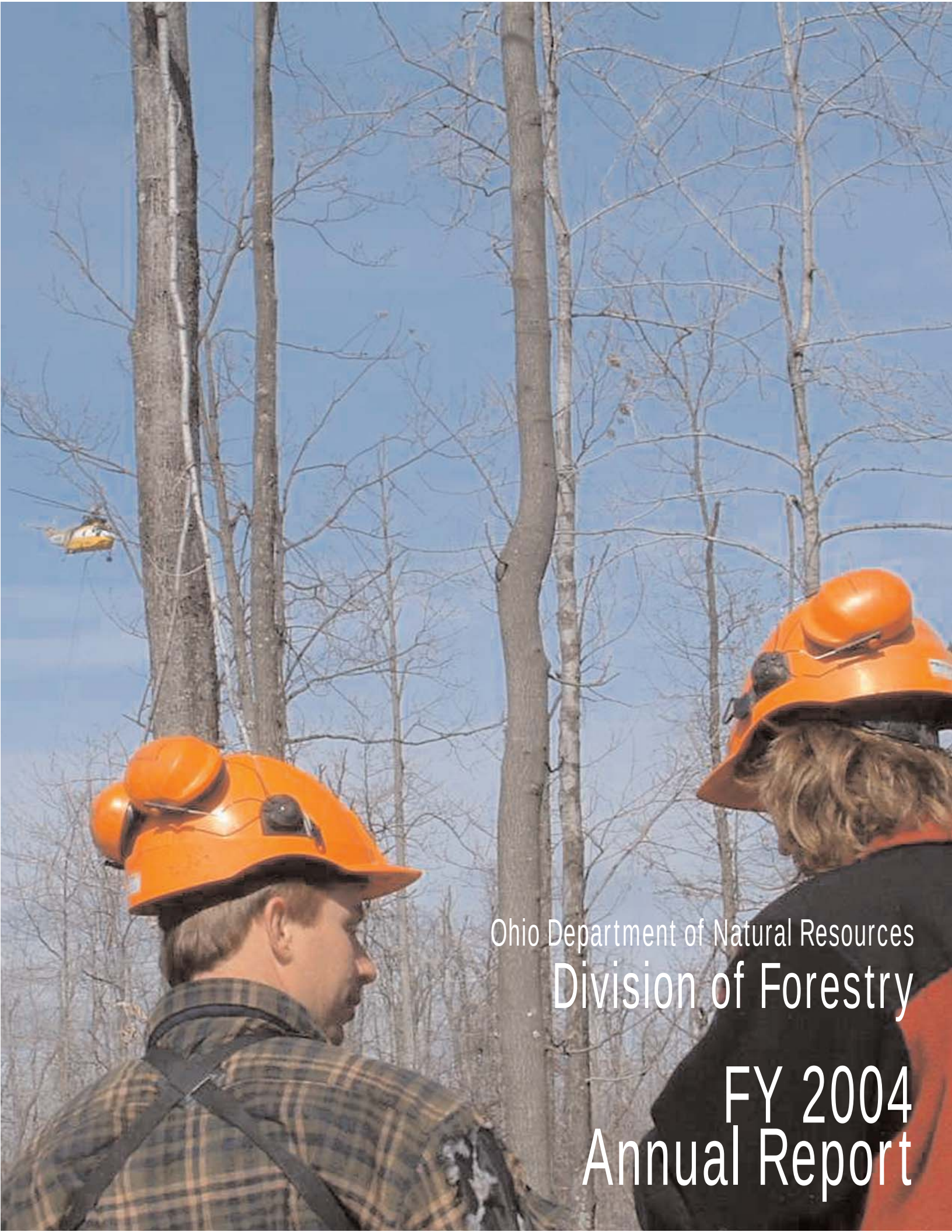

Ohio Department of Natural Resources

Division of Forestry

FY 2004 Annual Report

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Cover photo: ODNR Forester Brian Kelly (left) discusses the advantages of using low-impact helicopter logging at Dean State Forest to salvage timber damaged by the 2003 ice storm. *photo by Bob Boyles*

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INTRO

Division of Forestry Strategic Plan

In Fiscal Year 2004, the Division of Forestry undertook an extensive outreach effort to conservation agencies; local, county and state officials; landowners; rural firefighters; forest industry representatives; environmentals; state forest recreational users; urban forestry interests; and Division of Forestry staff to create a longterm strategic vision for the Division of Forestry.

The process included using stakeholder surveys and holding numerous focus group sessions to identify those areas needed to assure the longterm success of the Division of Forestry. A strong consensus was reached by these independent groups that the Division needed to more clearly and intensely focus on three main areas: 1) Increasing Division funding; 2) Increasing strategic partnerships and 3) Increasing forestry awareness.

2004 FORESTRY FACTS

- 30% of Ohio is forested—almost one out of every three acres.
- 7.6 million acres in tree cover: 97% hardwoods, 3% conifers.
- More than 100 hardwood species, more than 25 softwood species.
- 20 state forests, 185,000+ acres in 21 counties.
- Wayne National Forest with 236,000+ acres.
- 94% of forests are owned by 332,600 private woodland owners.
- 1,850 tree farmers, with 383,647 acres.
- Tree farmers grow 750,000 Christmas trees each year.
- Maple syrup production averages 4,200,000 gallons of sap gathered and 100,000 gallons of syrup a year.
- Ohio grows some of the finest hardwood trees in the world.
- Value of Ohio's wood products industry is more than $7 billion a year.
- 300-400 million board feet of timber harvested each year.
- One billion board feet of wood fiber grown each year (2 1/2 to 3 times more than is harvested).
- About 70,000 Ohioans employed in the wood products industry.
- Approximately 8% of all Ohio manufacturing is wood based.

Mission Statement

Our mission is to promote and apply management for the sustainable use of Ohio's private and public forest lands.

STATE FOREST HIGHLIGHTS

Chronological highlights of State of Ohio forestry activity conducted in Fiscal Year 2004:

July 3, 2003
There was an open house held at Shawnee State Forest regarding the work plans for the coming year for both Shawnee and Brush Creek State Forest. This open house took on added significance due to the ice storm damage that occurred. There were 37 people in attendance representing a good cross-section of forest users and interests.

The Army Corp of Engineers made known that they are suspending a permit they issued to the Ohio River Pipeline for construction activities. This will impact two state forests upon which they have ongoing activities, Hocking and Richland Furnace.

July 10, 2003
Andy Sabula of the Division of Forestry has been working on assisting an Ohio company, McDermott Industries, to implement a $200,000 grant received from the Ohio Valley RC&D. Part of the grant is to help the company produce a marketable product from low-grade logs and wood scraps arising from the process of manufacturing lumber. Andy has been working with the company and other companies to identify equipment and processes that would produce a product that meets a need.

Progress continues on ice storm damage at both Shawnee and Dean State Forests. At Dean, the roadside clearing has been completed and work on the horse trails has begun. Also at Dean, the logger under contract to salvage the downed and damaged timber is making good progress. A number of trails have been re-opened at Shawnee. It is expected that all bridle trails outside of the wilderness area will be open in about a week. The wilderness area bridle trails are going slower as no mechanized equipment may be used in this area; mules are currently being used in the clearing process of these sections. The backpack trail continues to be closed and probably will remain so until fall.

The first requests for resources to assist with the western fire season came in over the 4th of July weekend. The Division of Forestry sent one individual to New Mexico to function as an Expanded Dispatch Supervisor and a second individual to Montana to work as a Receiving and Distribution Manager. Finally, an individual from the Ohio fire service, red carded by the Division of Forestry, has been sent to Nevada to work as a Helicopter Crew Member. The Division of Forestry presently has two hand crews listed as available to be used nationally on wildfires by the U.S. Forest Service.

July 17, 2003
The Ohio timber price report is back in publication and available through the Internet. The USDA discontinued this biannual report two years ago due to budget cuts. New funding was secured through OSU extension through Bob Romig (formerly with extension and now with the Ohio Forestry Association). Statistical and administrative support is being provided by OARDC in Wooster. There are currently 20 sawmills participating in the survey.

District Forest Manager Bob Boyles met with the EPA at the Ohio River Pipeline on Richland Furnace State Forest to discuss their concerns with how things are being done. Marathon has their own crew doing environmental cleanup and they have hired a second crew to do the same while they work on getting a new contractor. The USACE has accepted their interim plan to do rehab and address environmental concerns while they work on a final plan that will get them back into compliance with their permit.

The Division of Forestry sent out one 20-person hand crew Tuesday to the Gila National Forest in New Mexico. This crew is being utilized by the Gila to bolster the initial attack capabilities of the forest. The forest experienced more than 30 new starts in the past week and its normal initial attack resources were depleted.

The Division has started the process to enter into the Forest Legacy Program. The Forest Stewardship Committee was sent some information on the

program and the Division's intent to begin the process to enter the program. As the Division will be contracting with an outside organization to perform the required "assessment of need", work is under way to draft a request for proposals.

July 31, 2003
The annual Ohio Farm Bureau Summer Camp-in was held in Fulton County last week. One of the stops was at the Lange Tree Farm, where Service Foresters Tom Collins and Joe Puperi made presentations on forest management and tree planting to approximately 150 Farm Bureau members.

The Division of Forestry, through the Urban Forestry Program, is helping to assess the flood impacts in Canton, Ohio. Lola Lewis, from the New Philadelphia office, is helping with tree evaluations in the community's assessment of infrastructure impacts.

District Forester Paul Whyte attended a tour put on by MeadWestvaco for the USFS Wayne National Forest and legislators. Mary Redden and several of her staff, along with representatives of Representative Ney's office and Senator Voinovich's office attended. The tour was to show an active pine thinning using cut-to-length technology and forwarder (low-impact technology). After viewing an active operation, the group then viewed a past pine harvest to demonstrate the desired effect.

August 7, 2003
Progress continues on opening trails at Shawnee. All bridle trails are open except those that go through the wilderness area. These are slow going due to restrictions on the use of mechanized equipment.

The bid for the Shawnee helicopter logging was opened and a successful bidder selected. To our collective knowledge, this will be the first helicopter logging operation to occur in Ohio. This operation will allow the salvage of ice-damaged timber that wouldn't have happened otherwise. It will have the benefit of minimal soil disturbance since no roads will be constructed. Logging is expected to begin in mid-September. Separately, contracts were signed for three ice-damage salvage sales at Dean State Forest.

The emerald ash borer problem might be more expansive than thought. Recently, the State of Michigan expanded its quarantine area to the Ohio border. The Ohio Department of Agriculture is actively surveying 20 counties in northwest Ohio to find further evidence of the beetle.

ODNR Foresters Don Schmenk and Greg Guess inspect ash trees for signs of EAB. Bark was stripped by woodpeckers also looking for EAB.

August 14, 2003
Forest Officers worked with the Vinton County Sheriff's Office and BCI two days this week on their annual marijuana eradication. Zaleski State Forest was included in the fly-over. There were 50 plants in one patch taken off the forest.

Scioto Trail State Forest again experienced defoliation from the common oak moth. There are pockets of mortality primarily in mature stands of white oak. These stands are being evaluated for potential salvage operations.

August 21, 2003
Chief Dorka met with NRCS State Conservationist Kevin Brown to discuss EQIP and forestry practices. It is hoped that a way can be found to encourage the use of EQIP to accomplish some forestry practices. As the DOF will undoubtedly be involved in implementing some of the forestry

practices under this program, the possibility of the DOF being compensated as a technical service provider in the program was discussed.

Chief Dorka met with Bob Romig, executive director of the Ohio Forestry Association, to discuss issues of mutual concern. The Master Logger Program, industry assistance, and DOF funding issues were discussed.

August 28, 2003
The ORPL is basically finished at Richland Furnace. The line has been regraded; erosion controls installed, seeded, and mulched. The area received 3.5 inches of rain in about two hours last Friday and it will be interesting to see how the rehabilitation measures stood up to it and how much of the grass seed remained in place and comes up.

District Forester Bob Boyles visited with Senator John Carey and Representative Clyde Evans on Wednesday at their regularly scheduled local open house and encouraged them to attend the Lawrence County Fire Chiefs Association meeting that the Division of Forestry will be hosting on September 8th. This is Ohio's most active wildfire region and support of these fire departments is very beneficial.

Ohio's third fire crew returned from their assignment in Montana. They did an outstanding job and were complimented on their performance; high praise coming from a supervisor based out of California, which considers itself among the elite in wildland fire fighting. As of this writing, a fourth crew is being made available for western fire detail.

Scott Zody and John Dorka met at the Zanesville Nursery with representatives from Muskingum County to tour the nursery and discuss opportunities for future use of the site. The Muskingum County Park District expressed interest in future use of the site for passive-use park activities. The discussion was very open and positive. The representatives indicated they understood that ODNR is willing to negotiate and discuss reasonable conservation opportunities for the nursery land.

September 4, 2003
The fourth fire crew of the year was mobilized on Saturday to the 50,000 acre Robert Fire burning on the Flathead National Forest and Glacier National Park. Warm, dry and windy conditions have returned to the Northern Rocky Mountains of Montana continuing the persistent fire season. The crew has been working on improving lines, patrolling and mop-up. It is expected the crew will spend its entire two-week detail in Northwestern Montana.

Approximately three acres of the invasive shrub glossy buckthorn were treated with herbicide at the "Muck Farm" area on Maumee State Forest. The work was contracted out to a private company, NOVCO, by DNAP and paid for through DNAP tax check-off and grant funds. The Division of Forestry in cooperation with DNAP has managed this area for a number of years for a unique plant community.

Two new oil well sites were reviewed at Blue Rock State Forest on Tuesday with the Bureau of Land Management, U.S. Fish &Wildlife Service, and Oxford Oil. BLM owns 75% and the state owns 25% of the mineral rights.

September 11, 2003
Hocking Forest Manager Dave Glass participated in two tours for visiting dignitaries. Staff of the controlling board members toured parts of the forest on Monday and the Recreation and Resources Commission toured on Tuesday.

September 18, 2003
On September 16th, Governor Taft signed an exterior quarantine to keep ash wood materials from Michigan from entering Ohio. This is one strategy being employed by the ODA to attempt to contain the emerald ash borer and limit further introduction from Michigan. This will have impacts on commerce for nurseries and industries using ash logs. The ash handle mill in Hicksville will be hurt by this very necessary quarantine, as it is heavily dependent on ash from Michigan.

The Farm Science Review had beautiful weather this year. Several casual but fruitful contacts were

made with The Nature Conservancy and the Izaak Walton League regarding Forest Legacy. Both expressed interest in some support or partnership role in Ohio's implementation of the program.

September 25, 2003
The Division of Forestry has taken the first step to enroll Ohio in the Forest Legacy Program. A request for proposals was sent out to potential bidders to develop the required "assessment of need." The program will acquire property or easements to protect forest land "threatened" by conversion to a non-forest use. Federal funds pay for 75% of program costs.

Chief Dorka attended the Ohio Woodland Owners Association meeting over the weekend held at Canter's Cave. The approximately 40-person group received information from Mindy Bankey and Karl Gebhardt on how they might improve their legislative activities. In addition, the landowners heard from an attorney on the benefits of a will and/or trust in conveying their forest land to future generations. Interestingly, he stated that in the next 12 years, it is estimated that about $4 trillion of property will be passed to the next generation with a significant amount of that being forest land. It has also been shown that many of that next generation of landowners have no interest in owning or managing that forestland. This represents a significant opportunity/threat to forest land.

October 9, 2003
Contractors began work on the MARCS tower installation at Maumee Forest. The tower will be located behind the forest headquarters. Initial work includes clearing the area and grinding out stumps. A rig that will drill holes for the pillars of the tower is to follow.

The Pike County Forestry Field Day was held this week. This program involves students from all over the county and is funded by the County Commissioners using funds received from the timber sale activities at Pike State Forest.

The Division of Forestry has begun its efforts to implement a Firewise program in Ohio. The Division received a two-year grant from the U.S. Forest Service to implement the program. A project employee, Aaron Kloss, has been hired and begun working on assessing the wildland-urban interface situation in Ohio. Firewise is a national effort co-sponsored by the National Association of State Foresters, U.S. Forest Service, and the National Fire Protection Association to reduce the risk of homes and other structures burning during wildland fire events. Once the assessment is complete, efforts will begin in the areas of highest risk to work with communities to reduce potential of structure loss.

October 16, 2003
On Friday October 10th, there was a dedication and tree planting in the newly established "State Foresters Grove" and "Employees Grove" at Zaleski State Forest. Nearly 100 people were in attendance and four of the eight former State Foresters and the son of one former State Forester were on hand to plant their Ohio Buckeye tree in the grove. Shelia Sheets was the first employee so honored with a tree planting in "Employees Grove".

Nearly 400 Tree Farmers from around the U.S. are in Columbus for the weekend national convention. They will have the option of several different tours that will include visiting various properties, including a state forest, and forest industries. Division of Forestry staff will play key roles in support of this convention.

Several trail sections remain closed at Hocking State Forest as a result of pipeline work. Columbia Gas has the Gordon road trail section closed. The horse trail across from the Horse camp is open. Marathon pipeline construction has the Airplane Rock trail and Big Pine trail closed. Horse riders are still able to get to Airplane Rock from Big Pine road. Horse riding activity at the forest is at its peak, and trail conditions are muddy. To put into perspective the amount of use that the horse camp receives at Hocking, the horse manure that has accumulated since Labor Day was hauled away - it amounted to seven full size dump truck loads.

October 23, 2003
State Representative John Boccieri will join the Sherrodsville Mayor and Fire Chief on Friday for a public reception of a 1985 Ford 8000 fire truck provided to the Sherrodsville Fire Department by the Division of Forestry. The truck's original value was more than $121,000. It is being provided to the Carroll County fire department through the Federal Excess Personal Property Program which is administered by the Division of Forestry. The fire department also received turnout gear, nozzles, ventilation fans and boots through the program.

More than 7,000 people attended the two-day Forest Heritage Festival in Dover over the weekend which raised more than $80,000 for the Children's Hospital Medical Center of Akron. Division of Forestry staff play a key role in assisting with most facets of the festival, including co-chairmanship, advertising, grounds setup, education and resource displays.

Young visitors enjoy the talents of a woodcarver at the October 2003 Forest Heritage Festival.

The Ohio Tree Farm Committee has already received many positive comments about the national convention's tours, educational programs and field day. They expressed appreciation for the extensive assistance provided by Division of Forestry employees.

Volunteer fire assistance grants totaling more than $82,000 were mailed this week to 19 fire departments and support organizations for training, safety equipment and emergency water access projects. Funds are used to upgrade equipment at existing fire departments, to assist new departments with organizational, training, and equipment costs and to upgrade excess equipment provided by the U.S. Forest Service.

October 30, 2003
Fire Program Administrator Mike Bowden coordinated the third annual Certified Prescribed Fire Manager Training course at the Gwynne Conservation Area in Madison County. Twenty-two attendees from various natural resource management agencies including ODNR, Toledo Metroparks, Franklin County Metroparks, Hamilton County Metroparks, Five Rivers Metroparks, and Pheasants Forever attended the session. Students learned proper techniques and procedures for conducting prescribed burning operations. WBNS 10 TV covered the practice session and interviewed the Division's wildfire staff about the California situation and about wildfire in Ohio. On Friday, the wildfire staff will kickoff the public announcement of Ohio's new Firewise program, which assists landowners in protecting their homes from wildfires.

The low-impact helicopter logging project at Shawnee State Forest started Sunday. On Monday, the Ohio News Network; CBS and NBC TV news affiliates from Huntington, WVA; the Portsmouth Times; the People's Defender; and the Columbus Dispatch attended a special media event for the project. All three television stories were positive about the project and emphasized the low-impact and fire safety emphasis of the project.

November 6, 2003
The Firewise Ohio program was announced on Friday. Numerous television, radio and print media stories resulted. The Division's news release was picked up by the Associated Press Ohio Wire. The Firewise program is designed to educate fire personnel and homeowners who live near wildfire-prone areas on how to prevent structure loss during wildfires.

Restoration trees were picked up on Nov. 1 at Maumee State Forest by residents who had trees

removed within the EAB eradication zone outside of Whitehouse. NW Ohio Urban Forester Stephanie Miller helped coordinate the distribution of the replacement trees. Also, construction of the 240-foot MARCS tower at Maumee Forest headquarters was completed this past week.

ODNR Urban Forester Stephanie Miller discusses Emerald Ash Borer issues with State District Forester Gregg Maxfield (left), USDA Forest Service representative Dan Twardus, and State Forest Health Program Administrator Dan Balser (right).

November 13, 2003
Carson Helicopters via Superior Hardwoods completed the helicopter logging job at Shawnee State Forest yesterday. A final inspection of the sale will be done as soon as possible. The sale will also be evaluated in terms of whether or not to utilize this method of logging for more ice damage salvage.

The Buckeye Trail Association has a work party of fifteen volunteers at Shawnee State Forest this week. They have completed their trail clearing outside of the Wilderness Area and are starting on the Wilderness Area reroute.

November 20, 2003
On Wednesday, the Hocking County Court upheld all three citations related to off-trail riding at Hocking State Forest. The Judge cited the new map signed by Chief Dorka as being the official map for the forest in deciding contested tickets.

December 4, 2003
District foresters provided checks to commissioners from those counties receiving funds from the Trees to Textbooks program. In all, 17 Ohio school districts and 40 local and county governments will receive more than $1,000,000 this year from the sale of timber and other products on state forests. Many of these visits have happened during commissioners' meetings where media have been present to cover the check presentations.

Forest Industry Program Manager Andy Sabula received a $20,000 grant from the U.S. Forest Service to investigate ways of utilizing timber damaged by the emerald ash borer.

December 11, 2003
Beech bark disease was discovered at Holden Arboretum in Lake County this week. The disease kills beech trees slowly and causes structural weaknesses that often result in trees snapping during wind storms. The disease has been killing beech trees for several years in Pennsylvania, West Virginia, and other eastern states.

The helicopter logging project has officially been completed and closed out. Foresters at Shawnee are evaluating other potential helicopter logging sites and hope to have more of the ice storm damaged timber removed using this low impact method.

State Urban Forester Lisa Bowers and intern Brian Riley will plant two significant elm tree saplings this Saturday at Logan Elm State Memorial in Pickaway County. One of the saplings is a direct

Division of Forestry intern Brian Riley and Urban Forester Lisa Bowers plant elm tree saplings.

descendant of the famous Logan Elm and the other was developed by the U.S. Forest Service to survive Dutch elm disease. The disease-resistant elms have shown success at reproducing and passing along their fungus-resistant traits.

December 19, 2003
Staff assistant Perry Brannan was offered and accepted the Northwest Ohio Watershed Forester position. He will begin his new duties on January 12.

Forest Industry Program Manager Andy Sabula completed a new BMP book. It has been printed and is available for distribution.

Staff met with the Office of Communications to begin design work on a potential "Smokey Bear" license plate. The expected audience for the new plate would be the nearly 500,000 current and retired Ohio firefighters, Project Learning Tree teachers and Division of Forestry staff. Generated funds from the plate would be allocated towards wildlands fire education and protection efforts; possibly serving as a dedicated funding source for the Firewise Ohio program. If enacted by the Ohio General Assembly, the Smokey Bear plate would be the first of its kind in the nation.

December 31, 2003
The Division of Forestry received assistance from the Division of Parks on a critical incident. A hiker at Scioto Trail State Forest located a 120mm artillery shell left over from the U.S. Army's former Camp Sherman which operated at Scioto Trail as a training facility through World War I, World War II and through the 1950s. Scioto Trail Park Manager Chris Grupenhof assisted state forest staff by contacting the appropriate demolition experts with the U.S. Army located at Wright Patterson. Staff from the Army quickly arrived and determined a safe location for properly destroying the shell. Staff Sgt. Bryant also provided detailed guidelines to staff on safety procedures and on how to contact his office if such a shell were to again be discovered.

An assessment and emergency plan are being developed for the Larue Road Dam at Fernwood State Forest. After the Jefferson County Engineer's Office alerted the Division of Water regarding a recent slip on the upper slope of the dam, engineers with the Dam Safety Program met with State Forest Manager Tim Humphrey to review the site and begin work in developing an action plan.

Water level is lowered in preparation for dam repairs at Fernwood State Forest.

January 8, 2004
Tom Shuman started with the Division on January 8 as an Intermittent Customer Service Assistant. He will serve in the Customer Service Assistant position until it can be posted and filled permanently.

January 22, 2004
Service Forester Mark Rickey appears on the cover of this month's issue of Ohio Farmer magazine. Mark prepared a Stewardship Management Plan for Editor Tim White's Fairfield County farm. In addition to a positive review for the Service Forester program in Tim's editorial, the cover story touted the economic benefits to farmers from good forest management.

Nursery quotes for the potential Emerald Ash Borer Restoration Projects of Hicksville, Rossford, and

Columbus have been received. Purchase orders are being processed for a fall 2004 tree distribution.

The Scioto Trail Forest crew completed the white oak salvage operations with the last log bid opening this past Friday. We had 250 logs, amounting to 25,000 board feet which brought $34,044.

January 29, 2004
Dianne King with the Office of Organizational Development did an excellent job of guiding the Division of Forestry's senior staff through the Strategic Planning process during a focused, two-day session this week. We expect to finalize the plan within the next two weeks and provide the final copy to the Director's staff and our employees.

A column from Chief Dorka about the connection between sound forest management and home building and remodeling was distributed to newspapers across the state this week.

February 5, 2004
This week we received news that funding for the Forest Land Enhancement Program (FLEP) has been canceled in the federal budget bill. This program was being used to provide cost-shared seedlings to landowners, as well as technical assistance and educational activities aimed at better managing Ohio's private forest lands.

The Office of Communications assisted in distributing a news release promoting the new Best Management Practices (BMPs) book jointly developed with the Ohio Forestry Association and The Ohio State University.

We continue to receive requests for forest stewardship plans from landowners who have read the article on forest management which appeared in the current issue of Ohio Farmer magazine.

Charles Lee (Equipment Operator at Scioto Trail), has been offered and has accepted the Forestry Technician position at Shawnee State Forest effective immediately.

February 12, 2004
District Forester Dennis Cable and staff coordinated a trails meeting about Mohican-Memorial State Forest. Ryan O'Dell with the Mohican Malabar Mountain Biking Club presented a proposal for expansion of trails at the forest. He has worked jointly with Mike Gerard with the Ohio Horseman's Council to gain their support for a major trail proposal at the Forest.

Otterbein College Archivist Stephen Grinch reviewed the Division's historical photo preservation project. He recommended a number of cost effective ways that the Division could better preserve its collection of historic photos. Tom Shuman will soon be finishing the current phase of the project for the Chillicothe District Office and will be contacting other districts to make arrangements to continue this work.

District Forester Bob Boyles reports that salvage operations are continuing at Dean State Forest. A low-impact helicopter logging contract for Dean was signed last Friday. Bob also reports that local volunteer fire departments have already responded to two grass fires in Lawrence County. The Chillicothe Gazette printed a story this week that mentioned Forest Manager Greg Smith was "greeted with smiles" by Ross County Commissioners as he presented the remaining forest management allocation check.

February 19, 2004
An agreement between the Division of Forestry and the State Fire Marshal to jointly fund a Rural Wildland Interface Fire Training Coordinator position has been signed. The position will be filled by Mike Bailey, a current State Fire Marshal's Office employee. The joint funding of the position will begin on Monday. In the position, Mike will coordinate and provide rural fire department training with a focus on wildland fire, wildland-urban interface, rural fire tactics, and incident command system.

Service Forester Mike Jurkiewicz is partnering with Hardin County SWCD and Ohio Northern

University on a reforestation study along the Scioto River in Hardin County. The study includes a total of 15 acres and seeks to evaluate the efficiency of different planting methods. Two replications of 2 1/2 acres each will be conducted for areas of natural regeneration, bare root seedlings and direct seeding. The sites will be monitored over a ten year period for overall survival and tree quality.

February 26, 2004
This week staff received approval from USDA for efforts to lease a portion of the Zanesville State Nursery. USDA's attorney provided a letter supporting the Division moving forward with the leasing project.

Chief Dorka, District Forester Paul Whyte and Hocking State Forest Manager Dave Glass reached consensus with members of the Hocking State Forest Trails Task Force on a set of shared values for trails management at the forest, and set specific goals for the year. Deputy Director Scott Zody also attended and assisted in facilitating the meeting.

The low impact helicopter project at Dean State Forest started on Sunday. District Forester Bob Boyles reports the project should conclude next week.

Private Lands Administrator Tom Berger attended the NRCS State Technical Committee this week. NRCS staff again committed to providing up to $250,000 for landowner assistance through the EQIP program.

More than 50 firefighting personnel from the Divisions of Forestry, Natural Areas and Preserves, Ohio Fire Service, and Ohio Interagency Fire Crew participated in a hands-on wildland fire training session as part of the planned prescribed burn at Shawnee State Park. Project coordinator Mike Bowden utilized the Incident Command System with the objectives of providing hands-on training to firefighters and fireline leadership positions as well as constructing all control lines and site improvements necessary to successfully complete the prescribed burn.

District Forester Ben Hamilton met with Josiah Wade and Karen Kentosh to begin work on a video that will document the Shawnee Ice Storm. The project will relate how the Division of Forestry responded to the ice storm devastation with contractors, state employees, partnerships and volunteers.

State Forest Administrator Nate Kirk provides interview to media outlets regarding the cleanup of the ice storm damage on state forest land.

State Forest Administrator Nate Kirk is assisting in coordinating MARCS training. The installation of voice radios in vehicles will occur through the end of March.

All processes have been completed on the Fire Training Officer position shared by ODNR and the Fire Training Academy. Mike Bailey will remain working out of the Fire Training Academy, but was actually transferred to the Division, effective 2/23/04.

March 4, 2004
The Soil & Water Conservation Society this week recognized the authors of the Ohio Windbreak Guide with the Dan Kush Award for Excellence in an Educational Publication. District Forester Gregg Maxfield, Maumee State Forest Manager Don Schmenk and Forest Program Administrator Greg Guess were among the six writers of the brochure.

Wildfires erupted in southern Ohio last weekend in the wake of spring-like weather conditions. Red flag warnings for extreme fire behavior were posted by the National Weather Service on several of the days. More than forty fires were reported in Scioto and Adams Counties. Volunteer fire departments extinguished most of them. The Division of Forestry assisted on four of the larger fires and issued five citations for violations of open burning laws.

March 11, 2004
Division staff played important roles in the Ohio Forestry Association's annual meeting held over the weekend. At Friday's meeting of the Ohio Society of American Foresters, Service Forester Joe Puperi received the 2003 Communicator of the Year Award. Joe has been webmaster for the OSAF web site for two years. As a Service Forester in northcentral Ohio, Joe covers a six county area. He also maintains the database for the Ohio Tree Farm program. In addition, Brian Riley, the Division's Big Tree intern, received an award from the Society for his top scholarship and for personally making more than 200 nominations for the Big Tree program. Chief Dorka's presentation Saturday morning on the progress of salvage operations at Dean and Shawnee State Forests was well received. As Chair of the Ohio Tree Farm Committee, Service Forester Christine Hodgson coordinated and made presentations at the Tree Farm Committee's Saturday luncheon. Service Forester Jeremy Scherf received the Tree Farm Inspector of the Year award and introduced Scott Galloway and his family for Tree Farmer of the Year. At the Saturday evening OFA banquet, Service Forester Mike Jurkiewicz was presented the Ohio Forestry Association's 2003 Conservation Award for Outstanding Individual in Government Service. Throughout Mike's 25 years as a Service Forester in northwest Ohio, he has been very active in the Ohio Tree Farm Program and initiated the West Central Ohio Forest Association in 1988. District Forester Bob Boyles presented the Logger of the Year Award to Ronnie Shepard.

District Forester Paul Whyte and Hocking State Forest Manager Dave Glass led discussions at the fist meeting of the Hocking State Forest Ad Hoc Recreation Committee. Participants include a diverse mix of recreational users such as horse riders, hikers, rock climbers and hunters. Paul presented an historical overview of the Forest and described the extensive responsibilities of the Division. Dianne King with Organizational Development facilitated the group discussion on the positive work currently underway at Hocking.

March 18, 2004
Chief Dorka, along with State Foresters for Indiana and Michigan, co-signed a letter calling for coordinated action to address the advance of the Emerald Ash Borer to Kathy Maloney, Director of State and Private Lands Forestry for the Northeast Area of the U.S. Forest Service. The letter requests assistance from appropriate officials with the three states for developing and implementing an eradication strategy for the invasive, exotic pest.

The second annual Eastcentral Ohio Wildfire Exposition in New Philadelphia was a great success with more than 2,000 people in attendance and $1,100 raised and donated to the Wildland Firefighter Foundation (a firefighter family assistance program). More than 40 wildfire equipment exhibitors attended and DOF staff provided 14 hours of related instruction with OFA Certification and Continuing Education credits for firefighters.

Interviews were held this week for the Service Forester position located at Zanesville. The project is a four county area that includes Muskingum, Morgan, Noble and Monroe counties.

Seymour Logging completed pine thinning operations at Maumee State Forest for the winter. Approximately 75 acres out of 110 acres of pine forest were thinned. Seymour Logging will return this Fall or Winter to complete the thinning operation. The Maumee State Forest crew planted six windbreaks in Henry County this week totaling 19,000 row feet before the snow came. Twenty-four windbreaks remain to be planted in seven counties.

March 25, 2004
This week the Marietta State Nursery staff reported surpassing the $1,000,000 mark for the year. So far,

1,500,000 seedlings have been pulled and shipped to customers.

The low-impact helicopter logging project at Dean State Forest was completed last week with about 1.25 million board feet salvaged. With the closing of the Dean helicopter salvage, the Dean State Forest crew re-graded all the forest roads. District and Central Office staff are working out the best options to implement the $400,000 U.S. Forest Service fuel mitigation grant.

April 1, 2004
Acorn Farms, parent company of Oakland Nursery, was the successful bidder for operating the Zanesville State Nursery. Acorn Farms is a regional leader in the wholesale and retail nursery industry and is expected to begin operations April 16. Staff also have assisted the Virginia TNC Chapter with advice on a similar leasing project that the local TNC Chapter is involved with in their state.

April 8, 2004
Forest Program staff successfully oversaw the Shawnee State Park Lodge controlled burn on Wednesday which received favorable coverage in the local media. A photo of Firewise Coordinator Aaron Kloss using a drip torch at the burn appeared on the front page of the Portsmouth Daily Times under the headline "Under Control." The headline of the article was "Fire Goes As Planned." Reporters from two weekly papers, The Community Common and The Scioto Voice, also attended the burn.

Forestry personnel and local firefighters conduct a prescribed burn to minimize the risk of wildfire by reducing accumulation of leaves, twigs, and downed trees.

Controlled burns help in minimizing the risk of potential wildfire from accumulated leaves, twigs and downed trees.

Zaleski State Forest Manager Dick Lusk and Forest Officer Nick Appleman provided support for the annual Zaleski State Forest Roadside Cleanup. More than 60 volunteers attended the event coordinated by Vinton County Recycling & Litter Prevention Coordinator Angie Mitchem. The volunteers cleaned more than 16 miles of state forest roadsides while picking up 2.4 tons of trash. The project is made possible by a grant from the Division of Recycling & Litter Prevention. Without this volunteer support, it would be difficult for such work to be accomplished.

April 15, 2004
Controlled burns at Maumee State Forest were conducted on three separate sites, totaling 18 acres. Six Division of Forestry staff from District 2 conducted the burns. An observer from the Toledo Metroparks System observed one of the controlled burns in preparation for similar burns that will be taking place at Oak Openings Metropark, which is adjacent to Maumee State Forest.

Continuous rainy weather has complicated state forest staff efforts to do prescribed burning. It has also impacted numerous logging operations. District 5 received assistance from six employees from Shawnee State Forest to conduct a 420-acre prescribed fire at Tar Hollow. However, the predicted weather did not match the actual weather for the day, and the burn was terminated after about two acres of burning. District 5 staff did appreciate all the help from Shawnee State Forest, Service Forestry staff, and The Nature Conservancy.

April 29 2004
District Forester Paul Whyte provided background information on a pine harvest at Shade River State Forest for an aid to Senator Padgett. Paul also reports that all bridle trails at Hocking have been painted to match the current map. Carsonite posts matching the trail color have been installed at about 80% of the trail intersections.

May 6, 2004
As part of Public Service Recognition Week, Governor Bob Taft and Director Sam Speck held a ceremony at the Natural Resources Park on the Ohio State Fairgrounds to honor ODNR employees, including Forestry's Tom Berger and Roger Hendershot.

ODNR Director Sam Speck (left), Ohio Governor Bob Taft (middle), and State Forester John Dorka (right) honor the Forestry Nursery Consolidation Team, represented by Tom Berger (second from left) and Roger Hendershot for their work in carrying out consolidation plans at the Zanesville State Tree Nursery.

May 13, 2004
More than 70 rural volunteer fire departments received 10 complete sets of wildland fire personal protective equipment (PPE) as part of the Volunteer Fire Assistance Wildland PPE grant program. Each department received 10 nomex (flame retardant) shirts and pants, 10 wildland fire hardhats, 10 goggles, 10 sets of gloves, and 10 fire shelters. The value of the equipment each department received is approximately $2500. This is the third year the Division of Forestry has provided this vital equipment to rural volunteer fire departments across the state. This equipment helps departments meet the newly revised Bureau of Workers' Compensation safety requirements for fire fighting.

Thanks to REALM's Gene Wells for his quick work, and to the Division of Wildlife for purchasing 398 acres adjoining Zaleski State Forest which were set to be sold in more than 14 individual lots. This purchase was a critical acquisition and is greatly appreciated by our staff for the permanent protection it will serve as a buffer for the forest.

A portion of Pike State Forest received two treatments of B.t. this week to reduce gypsy moth populations. This area and other parts of Pike State Forest will also receive pheromone flake treatments in June to further limit gypsy moth reproduction in the area. Forest Health Administrator Dan Balser continues to answer questions about the impending Cicada emergence.

May 20, 2004
American Forests released their 2004-2005 National Champion Tree list this week and Ohio appeared with 11 trees on the National Champs list, including the National Champion Ohio Buckeye tree! This follows an extensive effort announced last year to reclaim from Kentucky the national champion distinction. The new national champion tree is located near Greenwich in Huron County. This tree was discovered by DOF Intern Brian Riley while in the process of examining other Big Tree nominations. Brian personally found and nominated four of the five new national champions for Ohio and made more than 200 nominations for Ohio's champion tree list. This commitment to the Big Tree program, along with his excellent grades, recently earned him a scholarship from the Ohio Society of American Foresters. Brian was interviewed by John Kuehner, environmental reporter for the Cleveland Plain Dealer, about the discovery. The biggest tree in the country remains the General Sherman Giant sequoia in California.

An ash tree along SR 64 on Oak Openings Metroparks property showing signs of Emerald Ash Borer infestation was identified by Division of Forestry staff and reported to ODA officials and the Toledo Metroparks. The location is about 1/2 mile north of Maumee State Forest and is near the original Whitehouse infestation. Approximately 25 trees were removed. More trees may be added to the removal list as surveys in the area continue.

District Forester Dennis Cable met with Doug Polack of Engineering and John Sweany of Karl Rohrer Associates to look at the Mohican fire tower and discuss options for making it available again for public use.

An Eagle Scout candidate will be replacing wood on the benches at the Mohican-Memorial State Forest Shrine and other improvements for his Eagle Scout project.

May 27, 2004
Maumee State Forest Manager Don Schmenk identified an Emerald Ash Borer-infested tree at Maumee State Forest this week. The infested tree was located approximately one mile south of a recently discovered infested tree at Oak Openings Metro Park. Maumee State Forest staff will be checking all known areas of native ash on the forest (relatively little) and hardwood plantations that have ash as a component for signs of EAB infestation. Don and District Forester Gregg Maxfield are developing management guidelines specific to the ash resource on Maumee Forest. Don also attended a multi-agency meeting sponsored by the federal Animal Plant Health Inspection Service at Oak Openings Metroparks. Attendees included USFS, APHIS, and OSU Extension who met to plan a trapping detection system in Northwest Ohio to locate possible Emerald Ash Borer infestations.

Harrison State Forest staff and the Harrison SWCD hosted all the fourth grade classes in Harrison County for the fourth grade field day with 200 students, 20 adults and FFA advisors. The presentation included land lab-type presentations on forest management, soils, wildlife, aquatic ecosystems, recycling, agriculture, and PLT activities.

More than 200 local students and adults head to the fields to plant more than 2,000 trees on previously stripmined land within Harrison State Forest.

A Windsor Township firefighter charged with setting a fire at Crown City State Wildlife Area was sentenced last week in Lawrence County Common Pleas Court. Lawrence County Common Pleas Judge Frank McCown ordered the defendant to serve four years of community controlled sanction under intensive supervised probation on each charge, to be served concurrently.

The newly formed Education Committee for the Sustainable Forestry Demonstration Area at Mohican begins work.

June 3, 2004
Another likely infestation of Emerald Ash Borer was discovered in Northwest Ohio, this time near North Baltimore in southern Wood County. This site is well south of the most recent infestation found at Maumee State Forest. A North Baltimore landowner brought beetles into the Findlay District Office for identification and service foresters visited the property to look for additional signs and symptoms.

Private Lands Administrator Tom Berger attended the NRCS State Technical Committee meeting and was notified that the Division would be receiving funding from the NRCS for the EQIP program. Funds will be received for the Service Foresters acting as “Technical Service Providers” in the delivery of the EQIP program.

June 10, 2004
The suspected Emerald Ash Borer reported from Wood County last week has been positively identified. Division foresters reviewed the site and believe it has been infested for more than a year. They are working with ODA and APHIS to continue to monitor the area for additional presence of EAB.

On Tuesday, it was discovered that Licking Rural Electric Company was doing right-of-way maintenance on the electric line north of the Shrine at Mohican-Memorial State Forest. The company has contracted with NOVCO to apply herbicide to the areas. We had no prior notice (14 days is required) nor were they doing a daily log. As of yesterday, Forest Manager Tim Humphrey suspended their operation until further notice. The

incident was also reported to the Ohio Department of Agriculture for investigation by their pesticide regulation staff. We are requiring that the utility post signs along all bridle trails that go through that area within 24 hours. Mohican State Forest staff are asking Licking Rural to limit their clearing of right-of-ways to mechanical means.

The roofing project for the Mohican State Forest Service Center has been completed and the forest office siding project is expected to be completed this weekend.

June 24, 2004

Chief Dorka and Forest Health Administrator Dan Balser, along with ODA staff will meet in Findlay on Tuesday with their counterparts from Indiana, Michigan and Virginia, as well as representatives from APHIS and the U.S. Forest Service to discuss suppression plans for the Emerald Ash Borer (EAB).

District Four Manager Paul Whyte, Hocking State Forest Manager Dave Glass and Nursery Supervisor Jerry Hopkins met with Acorn Farms and the Division of Wildlife to discuss the next phase of the nursery's transition. District Four staff will serve as the direct contact for Acorn Farms beginning in July. During the meeting, Jim Hill and Mike Zaleski of the Division of Wildlife made several appreciated suggestions for improving operations at the nursery which also is the headquarters for Tri-Valley State Wildlife Area. State Forest Operations Administrator Nate Kirk also attended and is preparing a plan to distribute remaining tools and equipment from the Zanesville Nursery to state forest operations. The Division remains interested in resolving the final disposition of the Zanesville CCC camp.

Paul Whyte met with Mitch Farley and Mary Ann Borch of the Division of Mineral Resources Management to review the Carbondale alkaline doser unit at Zaleski State Forest. District Four will take over maintenance of the unit within the next few weeks. The doser unit has raised the ph to neutral in the Hewitt Fork that enters Raccoon Creek. That is great news for improving water quality. Just a short 200 feet below the doser unit the water changes color where the metals are falling out.

District Forester Dennis Cable will serve on a Wildfire Prevention and Education assignment in San Bernardino, CA. He will be doing prevention and education projects in the same general area where the big fires were last summer.

ODNR Forester Don Karas (left) discusses forest management options with a landowner.

Urban Forestry Program FY2004

Ohio's **Urban Forestry Program** provides community officials and allied agencies with the organizational and technical ability to effectively manage the trees along streets, within parks, and on public grounds. In Fiscal Year 2004, this program provided 788 assists (695 of which were municipal assists) to 291 communities.

Tree-lined street in the Tree City Village of Canal Winchester, OH.

The division's six urban foresters act as liaisons for the **Tree City USA Program** of the National Arbor Day Foundation. The Tree City USA Program is one way to measure the state's urban forestry effectiveness. As a means to recognize cities and villages that competently manage their urban forest resources, the National Arbor Day Foundation initiated the Tree City USA program in 1976.

With 236 Tree City USA designated communities in 2004, Ohio remained the leader in this national award program for the 23rd consecutive year.

Using more than 41,000 volunteer hours, these 236 communities planted 44,781 trees (seedlings not included), pruned 102,122 street and park trees, and removed 33,470 dead, dying or hazardous trees, for a total expenditure of $33,388,221.

Emerald Ash Borer Canopy Restoration Effort
To address the canopy loss from Ohio Department of Agriculture emerald ash borer eradications, the Division of Forestry implemented a canopy restoration program for affected property owners.

With financial help from the USDA Forest Service, state urban foresters helped affected property owners obtain restoration trees through local nurseries. Only those trees removed from "non-regeneration" areas were eligible under this program. Affected property owners in Whitehouse requested and received 153 non-host shade trees, while efforts in Columbus, Hicksville, and Rossford are commencing.

Northwest Ohio Field Windbreak Program FY2004

The **Northwest Ohio Field Windbreak Program**, an interagency effort, began in 1977 to get field windbreaks planted in northwestern Ohio to reduce soil erosion, protect crops from wind damage, and enhance wildlife habitat.

Spring, 2004 marked the 28th planting season for the Northwest Ohio Windbreak Program. Thirty new field windbreaks were planted in eight counties covering a total of 186,772 row feet (35.4 row miles), covering approximately 76 acres (Figure 1). Over 21,175 seedlings from 11 different species were planted in 2004 (Figure 2). Five conifer species made up approximately 60% of the seedlings planted, while 6 hardwood and shrub species accounted for 40%.

Multi-row (three rows) windbreak of arborvitae, white pine and American cranberry bush planted in Henry County in 1987.

FIGURE 1

County	Row Feet
Crawford (2)	24,705
Hancock (5)	20,120
Henry (6)	18,695
Lucas (2)	12,750
Ottawa (2)	8,850
Sandusky (3)	8,966
Seneca (3)	42,770
Wood (7)	49,916
Total	**186,772**

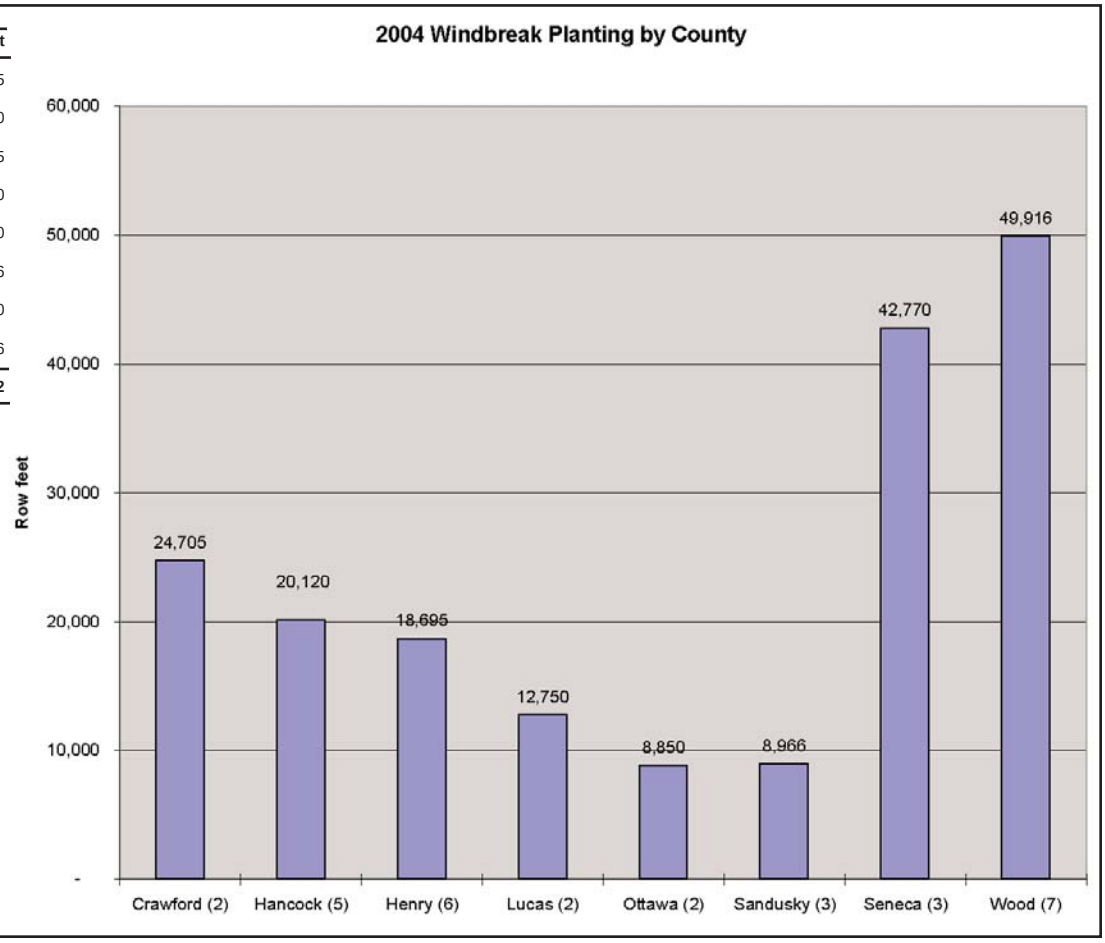


FIGURE 2

Specie	Number
Arborvitae	4,411
Austrian Pine	2,966
Norway Spruce	4,097
White Pine	260
E. Redcedar	325
Silky Dogwood	2,341
Black Alder	711
Pin Oak	1,509
Baldcypress	990
Sgt. Crabapple	1,238
Black Chokeberry	2,327
Total	**21,175**

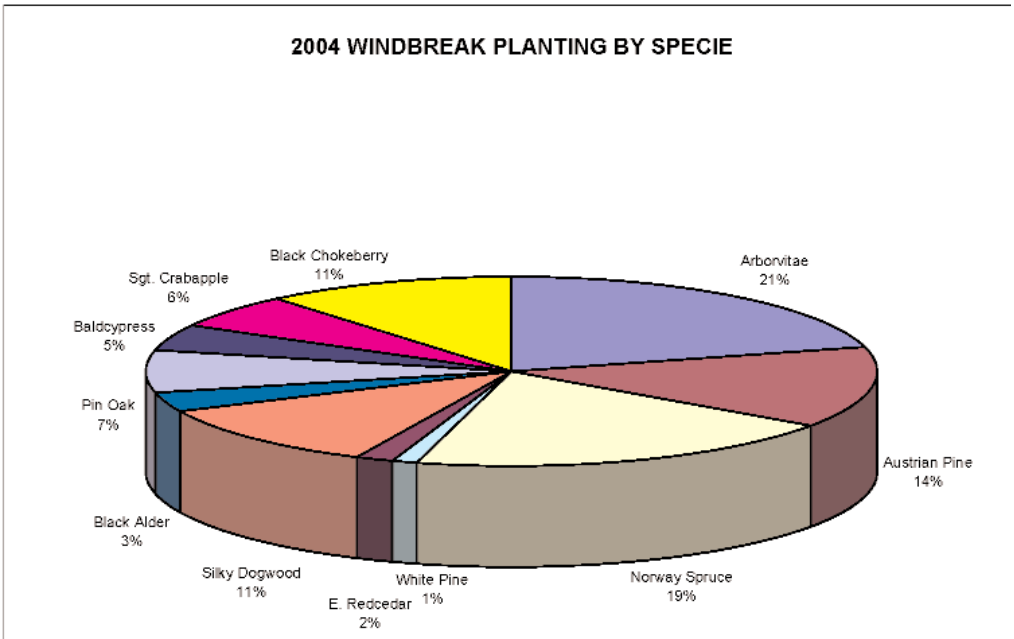
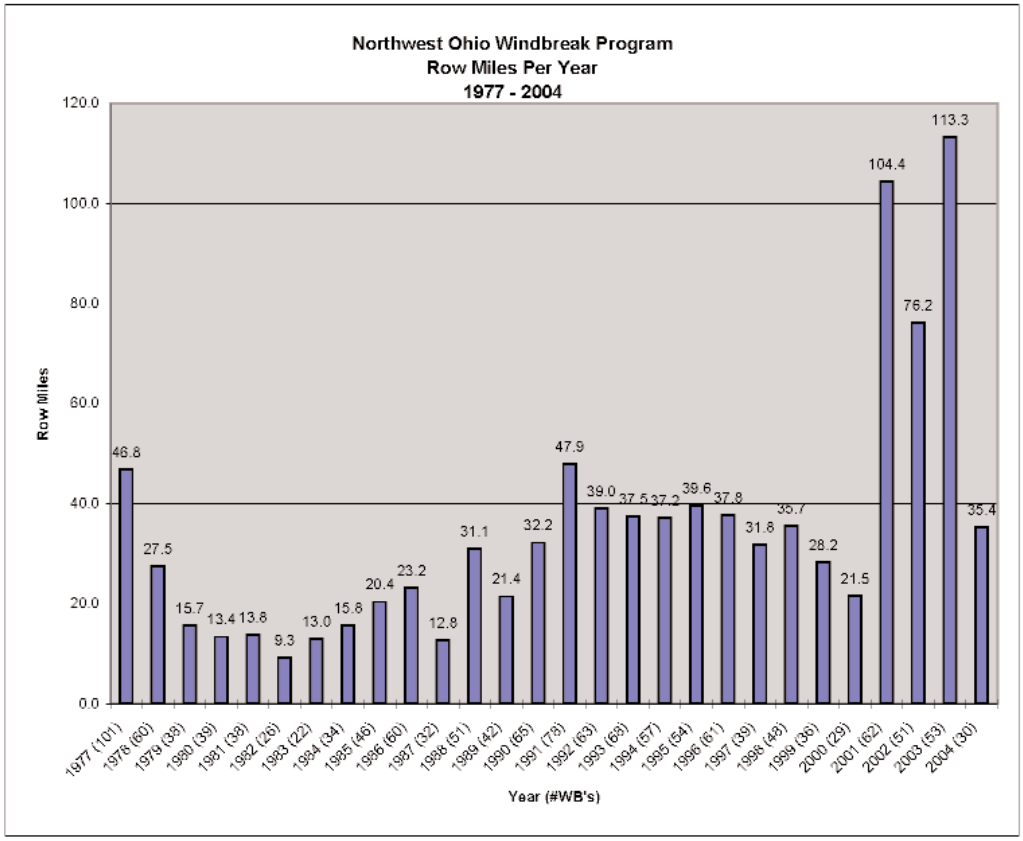


FIGURE 3

YEAR (# windbreaks)	Total Miles
1977 (101)	46.8
1978 (60)	27.5
1979 (38)	15.7
1980 (39)	13.4
1981 (38)	13.8
1982 (26)	9.3
1983 (22)	13.0
1984 (34)	15.8
1985 (46)	20.4
1986 (60)	23.2
1987 (32)	12.8
1988 (51)	31.1
1989 (42)	21.4
1990 (65)	32.2
1991 (78)	47.9
1992 (63)	39.0
1993 (68)	37.5
1994 (57)	37.2
1995 (54)	39.6
1996 (61)	37.8
1997 (39)	31.8
1998 (48)	35.7
1999 (36)	28.2
2000 (29)	21.5
2001 (62)	104.4
2002 (51)	76.2
2003 (53)	113.3
2004 (30)	35.4
TOTAL	981.7



Single row arborvitae windbreak located in Wood County and planted in 1982.

Service Forestry FY2004:

The Service Forestry Program was pleased to be able to fill two needed positions during the past year. The Watershed Forester for the Western Lake Erie Basin was filled last November. This position is headquartered out of the Findlay office. The Service Forester for the Zanesville project was filled in April. This position will be headquartered in the former Zanesville Nursery. The project covers Muskingum, Noble, Morgan and Monroe counties.

The new Forest Land Enhancement Program (FLEP) was authorized and funded for the past year. The FLEP program replaced the Forest Incentives Program (FIP) and the Stewardship Incentives Program (SIP). The new program was just under way when Congress decided to pull all future funding from the program. Service Foresters were able to get 436,000 trees planted with the FLEP dollars this past spring.

The Division sponsored two meetings for the Ohio Auditor's Association during the past year. A meeting was held in October at Mohican State Forest for the NE Auditors Association and a May meeting was held at Hocking State Forest for the SE Auditors Association. Both meetings went well and provided a good forum for the Division to educate the Auditors on the need for forest management.

The Division has been working closely with the Ohio Farm Bureau, the Auditors Association, the Ohio Forestry Association and the Department of Taxation to prepare draft language for a combined Ohio Forest Tax Law and Current Agriculture Use Value law. All parties are in agreement that the two laws should be combined and that it would benefit the forest resource. More meetings are planned to move the project forward.

The Division participated in three timber marketing workshops held for landowners last winter. The Ohio Farm Bureau, the Ohio Forestry Association and OSU Extension were the other sponsors of the programs. All workshops were well attended.

The Division was heavily involved in the National Tree Farm Convention (Columbus) and the Forest Resource and Program Leaders meeting (Sugar Creek) held in Ohio last year. Both events were great opportunities for the Division to showcase its people and programs to others.

The Natural Resources Conservation Service (NRCS) provided woodland owners with cost-share opportunities for timber stand improvement practices through the Environmental Quality Incentives Program (EQIP). There was an overwhelming response to the program. The NRCS will also be providing the Division of Forestry with technical service dollars for administering the program.

The following are Service Forestry accomplishments for FY2004:

3,087	Landowner assists
797	Stewardship plans
37,990	Stewardship plans (acres)
538	Referrals to consultants
2,978,875	Board feet of timber marked
885,501	Trees planted
1,265	Trees planted (acres)
541	Timber stand improvements (acres)

Results of Federal Cost-Share Programs with Forestry Practices—FY2004:

Tree Planting:

Cost-share Dollars Used	$218,000
Number of Trees Planted	436,000
Number of Acres of Trees Planted	662

The value of timber management is that trees are a renewable resource. The value of forestry is that this renewable resource can be managed to enhance water and air quality, increase biodiversity of flora and fauna, and provide back country recreational opportunities, aesthetics, and products for a wood-dependent society.

Fire Program FY2004:

- Fire activity within Ohio was below normal during Fiscal Year 2004. The Division received reports of 457 fires burning 3,309 acres. An average year in Ohio is 900 fires burning 4,800 acres.

- Implemented Firewise Ohio program. This program is designed to reduce risk of loss and damage to homes, structures and other valuable property by wildfires. The program issued grants to communities, and provided educational information to communities, fire departments, landscapers, urban foresters, and media outlets about the risks related to wildfires in the urban-interface.

- Installed two new remote automatic weather stations in southern Ohio to collect National Fire Danger Rating data. These weather stations located at Zaleski State Forest and near Chillicothe collect weather data hourly and transmit the data via satellite to the National Interagency Fire Center in Boise, Idaho to be used to calculate fire danger. These stations are the first two of a total of six stations to be installed across Ohio.

- Completed the hazardous fuel reduction burn around the Shawnee State Park Lodge and Cabin Complex. This 73-acre burn reduced hazardous fuels adjacent to the lodge and cabins, thereby reducing the risk of damage from a wildfire. The Division also completed prescribed burns on 974 acres of state forest lands.

- Co-sponsored along with The Nature Conservancy, Ohio State University, Divisions of Wildlife and Natural Areas, and the USDA Forest Service a symposium on the benefits of prescribed fire. Over 200 natural resource managers attended.

- Provided firefighting assistance to the USDA Forest Service, Bureau of Land Management, and Bureau of Indian Affairs in California, Colorado, Idaho, Montana, Nevada, New Mexico, South Dakota, Washington, and Wyoming. Resources dispatched consisted of four 20-person hand crews and 17 supervisory personnel.

- Provided wildland fire training to over 350 firefighters in Ohio.

- Created a joint Rural Wildland Fire Training Coordinator position with the Ohio Fire Academy to provide fire training to rural fire departments as well as instruct and coordinate wildland fire training statewide.

- Developed a new Class A Foam training program for delivery through the Ohio Fire Academy and presented two train the trainer sessions to over 20 Ohio Certified Fire Instructors.

- The Ohio Division of Forestry administers the Federal Excess Property Program (FEPP) to make equipment available to rural fire departments at no cost. This enables fire departments to obtain vehicles and other fire fighting equipment that limited budgets would normally not permit. In FY2004, the division loaned four fire trucks, four large capacity trucks, eight pickup trucks, and seven other items worth $812,931. Through the program, the division also received five fire trucks, six large capacity trucks, seven pickup trucks, and 14 other items worth $995,958 from the USDA Forest Service for future distribution to rural volunteer fire departments.

- The Ohio Division of Forestry administers the Volunteer Fire Assistance Grant program. This grant program provides 50/50 matching reimbursement grants to selected applicant volunteer fire departments located within the division's fire protection area, including eastern and southeastern Ohio, and the Maumee State Forest area of northwestern Ohio. Volunteer Fire Assistance Grants of over $275,000 were awarded to 54 rural volunteer fire departments in Ohio. An additional 18 rural volunteer fire departments received $100,000 worth of wildland fire personal protective equipment.

Division of Forestry uses fire to manage its forest resources.

Number of Wildfires and Acres Burned by Causes in FY2004

CAUSE	NO. OF FIRES	TOTAL ACREAGE BURNED
CAMPFIRE	3	3.5
CHILDREN	4	2
DEBRIS BURNING	177	871.285
EQUIPMENT	10	33.52
INCINDIARY	84	357.5
LIGHTNING	2	11.25
OTHER	43	101.51
RAILROAD	1	0.5
SMOKING	6	10
UNKNOWN	127	1918.5
Grand Totals:	457	3309.565

Wildfires and Acres Burned by Size Class in FY2004

CLASS	DESCRIPTION	NUMBER OF FIRES	NONFOREST	FORESTED ACRES	TOTAL
Class A -	.25 Acres or less	72	7.64	4.7	12.34
Class B -	.26 to 9.9 Acres	325	351.16	316.55	667.71
Class C -	10 to 99.9 Acres	53	641.515	668	1309.515
Class D -	100 to 299.9 Acres	6	399	421	820
Class E -	300 to 999.9 Acres	1		500	500
Grand total		457	1399.315	1910.25	3309.565

SEEDLINGS

Spring 2004 seedling sales resulted in a total of 2,721,720 seedlings sold. A total of 2,500,720 seedlings were shipped from Marietta Nursery, and another 221,000 seedlings were salvaged from Zanesville and sold. Total revenue amounted to $1,026,183.75.

Tree seedlings are used for reforestation, wildlife habitat development, erosion control, windbreaks, and other conservation projects. Species included baldcypress, black locust, sycamore, river birch, sugar maple, sweetgum, black alder, white pine, pin oak, pawpaw, black cherry, silky dogwood, red oak, black walnut, and tuliptree.

In Fiscal Year 2004, the division participated in a program with MeadWestvaco to give free pine seedlings to landowners in Ohio's southern 49 counties. Landowners agreed to plant at least five acres of white pines. The division's service foresters were the primary contacts, assisting landowners in qualifying, and providing technical advice in how and where to plant the pines.

Presently, the **Marietta Nursery** produces approximately 2.5 million seedlings a year, with roughly 60 percent hardwood and 40 percent conifer. Approximately 60 species are offered annually.

FY2004 Reforestation Revenue

Marietta Revenue	$735,904.25
NWOWB	$45,645.75
FLEP Revenue	$218,113.75
Zanesville Revenue	$26,520.00
Total *	**$1,026,183.75**

** shipping charges not included*

Marietta State Nursery

*FY2004 Seedling Sales by Species & Percentage - Zanesville***

Species Description	Qty on Hand	Qty Sold	Percentage of Item Sold	Percentage of Total Sold
Buttonbush - Zanesville	2,000	2,000	100.00%	0.90%
Chokeberry, Black - Zanesville	3,000	3,000	100.00%	1.36%
Dogwood, Silky - Zanesville	25,000	25,000	100.00%	11.31%
Hickory, Shagbark - Zanesville	10,000	10,000	100.00%	4.52%
Oak, Pin - Zanesville	25,000	25,000	100.00%	11.31%
Oak, Red - Zanesville	132,000	132,000	100.00%	59.73%
Sycamore - Zanesville	3,000	3,000	100.00%	1.36%
Tuliptree - Zanesville	21,000	21,000	100.00%	9.50%
Grand Totals	221,000	221,000	100.00%	100.00%

*** The Zanesville Nursery location was closed in FY2003 and all production of nursery stock was shifted to the Marietta Nursery. These sales reflect the final stock salvaged from the Zanesville Nursery.*

FY2004 Seedling Sales by Species & Percentage - Marietta

Species Description	Qty on Hand	Qty Sold	Percentage of Item Sold	Percentage of Total Sold
Alder, Black	3,901	3,526	90.39%	0.14%
Arborvitae	50,949	46,144	90.57%	1.85%
Ash, Green	264,000	69,910	26.48%	2.80%
Ash, White	45,000	22,755	50.57%	0.91%
Baldcypress	12,988	10,913	84.02%	0.44%
Birch, River	13,250	10,050	75.85%	0.40%
Buckeye, Ohio	9,050	8,850	97.79%	0.35%
Butternut	550	550	100.00%	0.02%
Butternut, Champion	100	100	100.00%	0.00%
Cherry, Black	34,525	34,525	100.00%	1.38%
Chokeberry, Black	11,275	11,270	99.96%	0.45%
Crabapple, American	1,750	1,750	100.00%	0.07%
Crabapple, Sargent	8,025	7,865	98.01%	0.31%
Dogwood, Flowering	8,150	6,670	81.84%	0.27%
Dogwood, Silky	51,999	34,354	66.07%	1.37%
Fir, Balsam	2,475	2,150	86.87%	0.09%
Hazelnut	6,150	6,100	99.19%	0.24%
Hemlock, Eastern	4,075	4,025	98.77%	0.16%
Locust, Black	45,000	19,400	43.11%	0.78%
Maple, Red	56,000	55,125	98.44%	2.20%
Maple, Sugar	34,050	34,050	100.00%	1.36%
Oak, Bur	32,125	32,000	99.61%	1.28%
Oak, Pin	13,870	13,870	100.00%	0.55%
Oak, Red	97,000	97,000	100.00%	3.88%
Oak, Red Pt	102,125	99,200	97.14%	3.97%
Oak, Sawtooth	5,175	4,850	93.72%	0.19%
Oak, Sawtooth (Pt)	11,275	10,750	95.34%	0.43%
Oak, Shumard	15,100	15,000	99.34%	0.60%
Oak, Swamp Chestnut	5,000	5,000	100.00%	0.20%
Oak, Swamp White	21,875	21,800	99.66%	0.87%
Oak, White	143,500	143,095	99.72%	5.72%
Pawpaw 2-0	2,100	2,025	96.43%	0.08%
Persimmon	8,000	7,900	98.75%	0.32%
Pine, Austrian	384,951	204,921	53.23%	8.19%
Pine, Jack	30,000	1,450	4.83%	0.06%
Pine, Pitlolly	16,250	16,000	98.46%	0.64%
Pine, Red	14,550	14,050	96.56%	0.56%
Pine, Virginia	50,000	14,050	28.10%	0.56%
Pine, Virginia 2-0	11,600	1,600	13.79%	0.06%
Pine, Virginia Pt	92,425	92,400	99.97%	3.69%
Pine, White	414,276	406,141	98.04%	16.24%
Pine, White 3-0	35,225	35,225	100.00%	1.41%
Pine, White Mead Free	600,000	600,000	100.00%	23.99%
Pine, White Pt	9,500	9,250	97.37%	0.37%
Redcedar, Eastern	5,324	3,449	64.78%	0.14%
Spruce, Norway	87,132	87,132	100.00%	3.48%
Spruce, White	10,225	10,225	100.00%	0.41%
Sweetgum	15,575	15,575	100.00%	0.62%
Sycamore	23,800	23,800	100.00%	0.95%
Tuliptree	75,605	75,605	100.00%	3.02%
Tupelo, Black	2,850	2,850	100.00%	0.11%
Walnut, Black	45,625	44,425	97.37%	1.78%
Grand Totals	3,045,320	2,500,720	82.12%	100.00%

2004 Seedling Sales by County

County Name	Quantity Shipped	County Name	Quantity Shipped
Adams	39,150	Logan	27,900
Allen	3,650	Lorain	11,850
Ashland	18,825	Lucas	8,982
Ashtabula	30,800	Madison	19,000
Athens	55,950	Mahoning	5,150
Auglaize	2,200	Marion	9,225
Belmont	39,800	Medina	29,450
Brown	7,175	Meigs	41,700
Butler	6,950	Mercer	6,700
Carroll	34,950	Miami	16,150
Champaign	10,950	Monroe	27,400
Clark	9,900	Montgomery	8,150
Clermont	12,475	Morgan	61,900
Clinton	9,200	Morrow	18,660
Columbiana	25,200	Muskingum	42,690
Coshocton	50,200	Noble	4,250
Crawford	23,074	Ottawa	3,545
Cuyahoga	47,750	Out-Of-State	313,550
Darke	19,000	Perry	21,400
Defiance	53,700	Pickaway	70,600
Delaware	25,750	Pike	98,450
Erie	4,650	Portage	13,200
Fairfield	15,700	Preble	29,600
Fayette	19,350	Putnam	32,450
Franklin	41,950	Richland	45,650
Fulton	6,235	Ross	65,050
Gallia	16,450	Sandusky	12,523
Geauga	6,550	Scioto	29,550
Greene	19,475	Seneca	17,973
Guernsey	278,550	Shelby	3,700
Hamilton	14,800	Stark	24,800
Hancock	24,123	Summit	11,600
Hardin	1,900	Trumbull	5,000
Harrison	31,900	Tuscarawas	38,350
Henry	6,436	Union	40,050
Highland	31,550	Vanwert	5,350
Hocking	38,000	Vinton	71,300
Holmes	60,550	Warren	7,950
Huron	69,650	Washington	19,400
Jackson	48,200	Wayne	19,850
Jefferson	7,750	Williams	7,650
Knox	42,850	Wood	18,754
Lake	8,950	Wyandot	10,300
Lawrence	1,900		
Licking	20,850	Grand Total	2,721,720

Common oak moth and the **half-winged geometer** again defoliated trees in scattered locations throughout southern Ohio. Some **white oak mortality** is still occurring. We're finding the usual suspects (**two-lined chestnut borer**, armillaria, and hypoxylon). In total, 9,187 acres of state and private forest land were damaged in 2004.

Gypsy moth defoliation totaled about 5,000 acres in Ohio this year. Very few suppression treatments this year, but quite a bit of "slow-the-spread" projects in Ohio. Pike State Forest was included in one of these projects. Gypsy moth quarantine affected a timber harvest at Pike State Forest. Egg masses were found in the harvest area. This area was treated with B.t. to reduce populations. Logs must be inspected before they are moved.

Effects of the February 2003 ice storm are still apparent. Trees left standing are often declining from stress related to bud loss and insect/disease activity.

Hemlock woolly adelgid was found at two new sites in Ohio. ODA removed the trees in an effort to eradicate the insect infestation. Both infestations were in landscape trees that were less than 12 feet tall. At the site in Hudson (Summit County), 8-10 trees were removed. At the Bainbridge site (Geauga County) two trees were removed. No evidence of spread into other surrounding trees.

Emerald Ash Borer occupied much forest health staff time this year. The insect has been found in many locations, mostly in NW Ohio. One spot infestation was also found in Columbus. ODA and APHIS are working to eradicate each spot infestation by removing all ash trees with a 1/2 mile radius of infested trees. This insect is difficult to find, especially early in the infestation period. Work is ongoing to find infestations with visual surveys and trap tree surveys. Bob Acciavatti has helped us quite a bit, particularly with survey work. We recently found several infested spots on Maumee State Forest thanks in large part to Bob's work. We are also planning to have our private lands foresters work with private woodland owners in NW Ohio. We will let them know their options to manage their forests before EAB arrives and what their options are after it gets there. As you can imagine, this issue creates a media blitz.

We also worked this year on a **Sudden Oak Death** soil survey. We worked cooperatively with the USDA Forest Service Research Lab in Delaware on this project. The objective was to look at background phytophthora in forest soils. All sites were negative for the SOD fungus, but most had some species of phytopthora present.

Beech blight aphid and/or **woolly beech aphid** have been unusually numerous this year. I always hear about a sighting or two, but this year reports are extremely numerous. I don't believe there are many health impacts to the trees, but people get excited about seeing it, especially after the media attention earlier this year surrounding the beech bark disease (BBD) find in Geauga County.

We surveyed beech stands for BBD in NE Ohio this year. Beech scale can be found in many NE Ohio counties. So far only one BBD site has been found. That site in located in Geauga County at The Holden Arboretum.

Thanks to Rod Whiteman and Alan Iskra for completing a five year study of seedling survival and health on strip mine reclamation sites.

Two-lined chestnut borer

STATE FOREST LAND INVENTORY

2004 Land Inventory:

1. Maumee: 3,103 acres, Fulton/Henry/Lucas counties
2. Mohican-Memorial: 4,525 acres, Ashland County
3. Beaver Creek: 1,122 acres, Columbiana County
4. Yellow Creek: 756 acres, Columbiana County
5. Harrison: 1,345 acres, Harrison County
6. Fernwood: 3,023 acres, Jefferson County
7. Blue Rock: 4,578 acres, Muskingum County
8. Sunfish Creek: 637 acres, Monroe County
9. Perry: 4,567 acres, Perry County
10. Hocking: 9,825 acres, Hocking County
11. Gifford: 320 acres, Athens County
12. Tar Hollow: 16,354 acres, Ross/Vinton/Hocking counties
13. Zaleski: 27,370 acres, Vinton/Athens counties
14. Shade River: 2,859 acres, Meigs County
15. Scioto Trail: 9,600 acres, Ross/Pike counties
16. Pike: 12,084 acres, Pike/Highland counties
17. Richland Furnace: 2,524 acres, Jackson/Vinton counties
18. Brush Creek: 13,502 acres, Scioto/Adams/Pike counties
19. Shawnee: 63,747 acres, Scioto/Adams counties
20. Dean: 2,745 acres, Lawrence County

RECREATION & MANAGEMENT

FY2004 Recreational Activities:

5,060	Backpackers
13,780	Horse/Campers
669	Family Campers
1,298	Hunter Campers
15,385	APV Riders
57	Snowmobilers
49,881	Horse Riders
28,235	Hunters/Anglers
55,433	Hikers
5,956	Gun Range Users
2,338	Mountain Bikers
2,193	Harvesters
6,027	Rock Climbers/Rapellers
28,548	Others

FY2004 Forest Management Activities:

Acres	
70	Tree Planting
893	Timber Stand Improvement
6,300	Cruising
2,085	Marking
3,788	Selective Harvesting
673	Clearcut Harvesting
308	Timber Sales Closed/BMPs

FY2004 Timber Sales

Hardwood Sawtimber Stumpage	12,173,927	board feet	31,506 tons	$3,498,960.36
Hardwood Products	308,094	board feet		$126,240.75
Pine Stumpage			22,324 tons	$155,427.49
Timber Damage	91,026	board feet		$40,039.58
Totals	**12,573,047**	**board feet**	**53,830 tons**	**$3,820,668.18**

Total timber sales for FY2004 sold for $3,820,668.18. Advertised stumpage timber sales totalling 12,173,927 board feet of hardwood sawtimber and 31,506 tons of hardwood pulpwood, and 22,324 tons of pine stumpage sold for $3,654,387.85. Other hardwood products and timber damage sold for $166,280.33. With all products converted to board feet, the total timber sales for Fiscal Year 2004 were 21,106,247 board feet. The sale price per thousand board feet was $181.02.

LAW ENFORCEMENT

FY2004

- September 18, 2003 a one-day law enforcement in-service was conducted at the Ohio Fire Academy. Topics included policy review and "Verbal Judo" presented by ODNR employee Jeff Caslow.

- October 1, 2003 a one-day outdoor scenario shoot followed by a low-level light and night shoot.

- A public hearing to adopt revised and new forest rules was conducted on November 18, 2003.

- During the month of December, 2003 all of the evidence rooms were checked for proper record keeping procedures.

- Two officers were trained in the use of the MARCS (Multi-Agency Radio Communication System) radios January 12-16, 2004. These were the first officers to receive the training as the MARCS system begins state-wide implementation.

- The annual in-service training was held at the Ohio Peace Officer Training Academy January 21 & 22, 2004. The first day agenda covered a variety of topics in the gymnasium including self defense techniques and trigger control management for handguns.

- On February 19, 2004, Forest Officers with the help of Wildlife officers were able to catch a wildland fire arsonist in the Crown City mine area of Lawrence County. This area has been targeted by arson for many years. Chillicothe District Forester Bob Boyles coordinated the effort with the Division of Wildlife. This is the first arsonist in the area to ever be caught as fire was being set. It is hoped that this will result in a drastic reduction of fires in the area.

- The Division implemented the provisions of the new Ohio Concealed Carry Law starting in February of 2004.

- Officer Terry Browning (Shawnee State Forest) retired on April 20, 2004 after 25 years of service.

- Annual weapon qualifications were conducted May 19 and 20, 2004.

- On June 15, 2004, the first physical fitness test (as required by FOP contract) was conducted for employees that elected to attempt to qualify. In the future, any officer hired after January1, 2004 will be required to successfully pass the requirements once a year.

- Citations written for violations are as follows:

State Forests:	242
Escaped Fire:	20
TOTAL	**262**

- 6,818 Visitor Assists

- Friendly Warnings: 545

- Investigations/Incidents:

Fire:	172
Other:	75
Court Visitations:	97

FY2004 Citations by Category

RULES VIOLATION	DESCRIPTION	# CITATIONS
1503:3-2-01	Hours Closed	29
1501:3-2-04	Disposition of Refuse	2
1501:3-2-05	Removal or Disturbance of State Property	5
1501:3-2-08	Kindle a Fire	2
1501:3-2-11	Alcohol	13
1501:3-3-01	Camp in Undesignated Area	4
1501:3-4-02	Illegal Parking	2
1501:3-4-04	Off Road	33
1501:3-4-14	No Helmet	9
1501:3-6-02	Illegal Use of Firearm	4
1501:3-6-04	Misuse of Target Range	3
ORC		
1503.18	Escaped Fire	33
1531.29	Polluting State Land or Waters - Trash	1
2911.21	Criminal Trespass	4
2913.03	Unauthorized Use of Vehicle	1
2921.13	Falsification	4
2921.31/.32	Obstructing Official Business or Justice	4
2921.331	Failure to Comply with Police Officer	1
2923.16	Improper Handling of Firearm in Vehicle	1
2925.11	Drugs	5
3767.32	Litter	1
4301.62	Open Container	4
4301.64	Consumption in Motor Vehicle	2
4503.11	No Vehicle Registration	4
4503.19 & .21	No Vehicle Stickers/Plates	2
4507.02	No Valid Operators License	12
4510.037	Exceeded Points on License	1
4510.16	Suspended License	3
4510.21	Failure to Reinstate License	3
4511.20	Reckless Operation	2
4511.21	Speeding	7
4513.263	No Seat Belt	1
4519.02	No ATV Registration Sticker	28
4519.09	Failure to Have Temporary Permit, Non-Resident	3
4519.40	ATV Off Trail	34
4519.52 & .66	No ATV Title	4
4549.03	Failure to Stop	1
4549.08 & .10	Invalid License Plate or ID Mark	7
	TOTAL	**279**

FY2004 Expenditures by Program

	Personnel	Maintenance & Equipment	Program Total
State Forest Management			
Forest Operations	2,335,248	570,571	2,905,819
Education & Information	79,483	3,426	82,909
Fire Protection	530,385	102,146	632,531
Resource Management	777,015	199,694	976,709
Law Enforcement	629,612	90,488	720,100
Recreation	145,024	34,086	179,110
Subtotal	**4,496,767**	**1,000,411**	**5,497,178**
Reforestation			
Nursery Operations	581,921	211,758	793,679
Northwest Windbreaks	23,089	1,445	24,534
Subtotal	**605,010**	**213,203**	**818,213**
Forestry Assistance			
Service Forestry	1,451,495	218,142	1,669,637
Urban Forestry	394,896	63,143	458,039
Forest Health	112,949	4,240	117,189
Forest Industries	63,954	0	63,954
Subtotal	**2,023,294**	**285,525**	**2,308,819**
Administration			
Administration	831,180	1,538,057	2,369,237
Information & Education	0	36,070	36,070
Computer & Communication	0	348,424	348,424
Central Support	0	1,058,095	1,058,095
Early Retirement Incentive	0	0	0
Subtotal	**831,180**	**2,980,646**	**3,811,826**
Program Totals	**7,956,251**	**4,479,785**	**12,436,036**
Subsidy & Other Payments			
Local Grant Awards			587,546
Fire Dept. Payments & Grants			292,542
Stumpage/Royalty Payments			1,047,334
Other Payments Total			**1,927,422**
Grand Total			**14,363,458**

FY2004 Breakdown by Revenue Source Code and Funds

CODE	DEFINITION	GRF	509	328	510	5K1	R17	R43	000	508	4M7	4B8	TOTAL
283203	APPLICATION FEE FOR PERMITS		400.00										400.00
297200	WITNESS & JURY	26.00											26.00
300200	SCRAP & SALVAGE		48,161.90										48,161.90
302201	FUELWOOD PERMIT		1,060.00										1,060.00
302203	NURSERY SEEDS												0.00
302204	REFORESTATION		682,278.93										682,278.93
302205	HARDWOOD SAWTIMBER STUMPAGE							1,237,827.33					1,237,827.33
302206	HARDWOOD CORDWOOD STUMPAGE							4,053.24					4,053.24
302207	HARDWOOD PRODUCT		126,559.29										126,559.29
302208	PINE SAWTIMBER STUMPAGE							79,683.14					79,683.14
302209	PINE CORDWOOD STUMPAGE							96,144.23					96,144.23
302210	PINE PRODUCT		1,400.00										1,400.00
302211	WINDBREAK		38,217.75										38,217.75
302215	ICE STORM DAMAGED TIMBER							1,475,316.84					1,475,316.84
305100	PUBLICATIONS												0.00
399601	WOODCHIPS & BUCKEYES												0.00
399615	MISCELLANEOUS INCOME		3,892.66										3,892.66
399623	SALES/FOREST TAX LAW PROGRAM		6,700.00										6,700.00
401000	FEDERAL WEEKS FUND			1,614,479.00 *									1,614,479.00
4499	FEDERAL VARIOUS OTHER		15,251.72										15,251.72
495200	DONATIONS												0.00
495200	FORESTRY DEVELOPMENT FUND (4B8)		28,360.52										28,360.52
501501	FORESTRY FINES	5,177.00	4,961.00										10,138.00
501514	DRUG FINES		430.00										430.00
502601	ROYALTIES		10,885.25										10,885.25
502602	EASEMENTS, ROW		1,400.00										1,400.00
502901	RENTAL-LAND, HOUSE & OFFICE		164,605.07		3,483.38								168,088.45
502902	RESIDENCE RENTAL (PAYROLL DEDUCTION)				19,156.44								19,156.44
531100	INSURANCE REIMBURSEMENT DAMAGES		3,500.00										3,500.00
531801	TIMBER DAMAGE		424.00					18,877.07					19,301.07
531802	FIRE SUPPRESSION												0.00
531805	NON-GOVT DAMAGE-MITIGATION		8,524.48			76,720.27							85,244.75
531903	SERVICES RENDERED		250.00	254,816.30									255,066.30
531908	PATRONAGE REIMBURSEMENT		12.45										12.45
531910	REIMBURSEMENT-COPIER USAGE												0.00
534900	LEAVE BUY BACK(REIMBURSEMENT)	2,379.71											2,379.71
598203	PERFORMANCE BONDS						299,858.43		25,200.00				325,058.43
599100	REVENUE FORFEITURE BOND		1,000.00										1,000.00
599402	TELEPHONE CONCESSIONS												0.00
599900	REV VARIOUS OTHER NEC		8,193.82	179.00									8,372.82
700500	SALE OF LAND & BUILDINGS												0.00
7051			1,050.00										1,050.00
7058			44,118.00										44,118.00
7060		13.15											13.15
799100	PETTY CASH CLOSEOUTS												0.00
100200	SALES TAX	73.31											73.31
800100	REFUND OF EXPENDITURES (CURRENT)												0.00
800300	WARRANT CANCELLATIONS	17.75		56.95			1,000.00				415.00		1,489.70
801100	REFUND OF EXPENDITURES (PREVIOUS)		44.74										44.74
		7,686.92	1,201,681.58	1,869,531.25	22,639.82	76,720.27	300,858.43	2,911,901.85	25,200.00	0.00	415.00	0.00	6,416,635.12
													6,416,635.12

* Includes FLEP Seedling Grant = $188,817

Annual Stumpage Payment Made in State Fiscal Year 2004 for Revenue Collected in Fiscal Year 2003

Formula used 20 TWP, 20 CTY, 40 SC
(HB215 language change for schools)

County	Township	School Dist	Percent of Total Amt Collected: 20% County FY03 Stumpage	20% TWP FY03 Stumpage	40% School FY03 Stumpage
Adams	Green	Ohio Valley	22,899.85	22,899.85	45,799.70
Ashland	Hanover	Loudon-Perrysv	163.85	163.85	327.71
Athens	Waterloo	Alexander	26,640.31	11,921.51	23,843.02
	York	Athens		14,718.80	29,437.60
Fulton	Swan Creek	Pike-Delta-York	1,052.42	526.21	1,052.42
		Swanton		526.21	1,052.42
Highland	Brushcreek	Ohio Valley	3,476.56	3,476.56	6,953.12
Hocking	Benton	Logan Hocking	4,290.37	3,053.00	6,106.00
	Laurel	Logan Hocking		1,237.37	2,474.73
Jackson	Washington	Wellston	3,327.80	3,327.80	6,655.60
Lawrence	Decatur	Rock Hill	14,359.91	14,359.91	28,719.82
Lucas	Swanton	Anthony Wayne	521.81	521.81	1,043.62
Meigs	Olive	Eastern	742.96	742.96	1,485.92
Pike	Benton	Western Local	14,709.34	5309.75	10,619.49
	Perry	Western Local		9,399.59	18,799.18
Ross	Franklin	Scioto Valley	76,235.76	15,761.69	31,523.38
	Harrison	Scioto Valley		60,455.17	120,910.34
	Colerain	Zane-Trace		18.90	37.80
Scioto	Brush Creek	Northwest	60,353.36	1,552.23	3,104.44
	Nile	Washington-Nile		49,930.29	99,860.58
	Rarden	Northwest		200.00	400.00
	Union	Northwest		8,670.84	17,341.66
Vinton	Brown	Vinton	33,059.20	200.00	400.00
	Madison	Vinton		11,182.88	22,365.76
	Richland	Vinton		200.00	400.00
	Swan	Vinton		21,476.32	42,952.64
			261,833.50	**261,833.50**	**523,666.96**