



THE YEAR IN REVIEW

ALLEGHENY NATIONAL FOREST

2003



October 1, 2002 – September 30, 2003

FOREST SUPERVISOR'S LETTER



KEVIN B. ELLIOTT
Forest Supervisor

Dear Friends :

Our national forests are an irreplaceable part of our American heritage, providing a wide variety of ecological, economic, and social benefits to current and future generations. As you peruse this year's annual report I trust you will agree that caring for the land and serving people is a worthwhile venture.

Much of our attention this past year was focused on revising our Forest Plan. Recognizing the complexity and level of controversy surrounding the management of the Allegheny National Forest we chose to use a collaborative learning approach. A collaborative learning approach emphasizes systems thinking, joint learning, open communications, constructive conflict management, and a focus on change. It emphasizes situation rather than problem or conflict. It stresses improvement rather than solution or resolution. Collaborative learning focuses on concerns and interests rather than position. It also seeks desirable and feasible change rather than just addressing desired future conditions. I am encouraged by the public participation so far and look forward to continuing our work as we aim for a revised Forest Plan by March 2006.

Another focal point this last year was addressing the July, 2003 storm events. After first focusing on public safety we assessed the nature and extent of the windstorm damage. We opened roads and trails blocked by blow down. Our engineering staff focused their efforts on repairing road, bridge, and culvert damage associated with the storm. Their efforts helped protect watershed and fisheries values. We also focused on salvage opportunities modifying sales currently under contract and began to incorporate blow down timber into projects already in the planning and design phases. We also began identifying opportunities for additional salvage and restoration.

We are all concerned about the health of America's National Forests. There are many natural events that can affect forest health, and events like we experienced in July present unique challenges for us. The US Congress recently passed legislation that allows the USDA Forest Service to be more agile and responsive in its stewardship of public lands. Changes include more focused environmental analyses, categorical exclusions for limited timber harvests, and additional streamlined processes within the Healthy Forest Restoration Act, which was signed by President Bush on December 3, 2003.

The Annual Report reflects the work of a well-trained and committed group of employees. It also reflects the support and cooperation of several partners. Together we are making a difference.

KEVIN B. ELLIOTT
Forest Supervisor

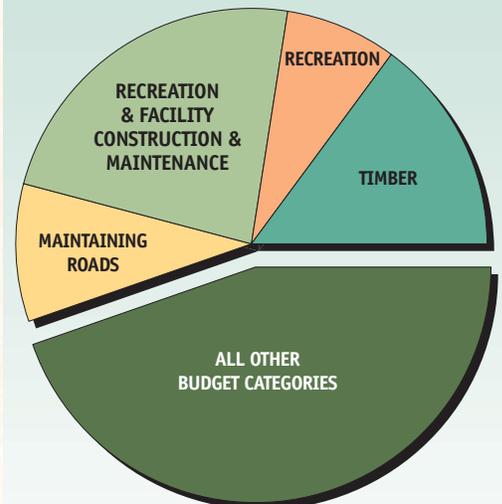
Visit our website at
www.fs.fed.us/r9/allegheny

for more information on recreation opportunities, employment, and Forest management projects.

BUDGET:

For fiscal year 2003 (October 1, 2002 – September 30, 2003) the Allegheny NF was allocated moneys in 26 separate categories, with specific direction from Congress on how the dollars in each category are to be spent. Funds generally cannot be switched between the categories (i.e. recreation maintenance, wildlife, timber management, and forest planning).

The Allegheny received authority to spend 4.6 million in various permanent and trust fund accounts, such as Knutsen-Vandenberg Trust Fund, Reforestation and Timber Stand Improvement Fund, and Salvage Sale.



Total budget expended \$15,610,080; categories shown are only a sample of all budget categories.

ALLEGHENY NATIONAL FOREST



PROTECT THE NATURAL RESOURCES ENTRUSTED TO US:

The Allegheny National Forest (ANF) is comprised of 513,297 acres in northwestern Pennsylvania, and is the only National Forest in Pennsylvania.

As stewards of the land, we practice conservation in all that we do. Since the creation of the ANF in 1923, protecting the Forest's natural resources while balancing multiple uses has been a consistent priority. We strive to meet the needs of today without compromising the needs of future generations.

U.S. Forest Service Chief Dale Bosworth cited in a speech at the World Forestry Congress in Quebec City, Canada. "We in the United States consume far more timber than we produce," Bosworth said, "Over the next 50 years, we expect imports to supply a third to half of our total softwood lumber consumption."

"We're concerned about undermining the health of the world's forest ecosystems through consumption patterns that are out of balance with production," Bosworth added. "Our habits raise questions of both equity and sustainability."

Forest Service Chief Bosworth called U.S. wood consumption "unsustainable" and a "challenge" to global forest sustainability. "We've got to use wood products more efficiently," he said. "Consumption must be in balance with production. 'Out of sight, out of mind'—that's the danger of a system that separates consumption of forest products in one place from production in another."

Gifford Pinchot, the first chief of the Forest Service summed it up when he said national forest lands should be managed **"for the greatest good of the greatest number in the long run."** Please join us in conserving our natural resources – **Reduce, Recycle, Reuse.**

FIRE PREPAREDNESS

(\$285,943)

The Allegheny continued its cooperative fire protection agreement with the Commonwealth of Pennsylvania in support of wildland fire detection flights and suppression activities. The Allegheny hosted two firefighter safety refresher training sessions, coordinated personnel fire training needs with the New York Fire Academy and National Wildland Firefighting Coordinating Group members and coordinated the Forest's pre-suppression efforts during fall and spring fire seasons. We also supported national fire suppression efforts with 28 individual dispatches of Forest employees on firefighting assignments. A full

time Fire Management Officer was added to our staff. No prescribed burning projects were ignited in fiscal year 2003.



FOREST PLANNING:

(\$375,988)

Forest Plan Revision on the Allegheny National Forest was initiated in the Spring of 2003, and continues on a schedule that would result in a final decision in 2006. A Collaborative Learning approach is being used to engage the interested public in the Plan Revision process. Input from the public has already provided valuable information used in the identification of the Need for Change and the publication

of the "Notice of Intent to Prepare an Environmental Impact Statement for revising the Allegheny National Forest Land and Resource Management Plan" (NOI). In 2004, the forest planning team is preparing the "Analysis of the Management Situation" (AMS). This product will further define how implementation of the Forest Plan over the last 18 years has progressed in relation to its stated goals and objectives. It will also clarify revision needed to the Forest Plan due to changes in Forest conditions, changes in public demands and expectations, new scientific information and monitoring results, and changes in agency policy and direction. After completion of the AMS, in the summer of 2004, the ANF will begin working with the public on development of initial alternatives for the Revision.



Milestones for fiscal year 2003:

- **April 2003**
Collaborative Learning introduction for employees, the public, and the media.
- **May 2003** –
Collaborative Learning workshops in Bradford and DuBois with 103 present
- **August 2003** –
Collaborative Learning workshops in Erie, Warren, and State College with 103 present
- **September 2003** –
Need for Change completed
- **September 25, 2003** –
Notice of Intent published in the Federal Register
- **September 25 – November 10, 2003**
Formal scoping comment period on the Need For Change

INVENTORY AND MONITORING:

(\$650,412)

The Allegheny maintains a wealth of information in many resource areas, and collects monitoring and management indicator species information to determine if Forest Plan goals and objectives are being achieved. We rely on our Geographical Information System (GIS) and related databases to display information on forest characteristics, and to support programmatic and project analyses. In FY2003, we added several new information databases to our Natural Resource Information System including Fauna and Terra, to help us address issues related to wildlife, vegetative and terrestrial manage-



ment. We collected field data to monitor the occurrence of non-native invasive species, to determine the effects of management practices on soil and water resources and monitored population and habitat

conditions for threatened and endangered species and management indicator species. We continued to collect field data as part of a partnership with the Forest Health Protection Unit (State and Private Forestry, Morgantown, WV) and the Forest Inventory and Analysis Unit (Northeast Research Station) to monitor forest health conditions on the ANF. We initiated a two-year inventory of Forest Road stream crossing structures (bridges & culverts), to assess aquatic species habitat influences.



LANDS:

(\$247,265)

Initiated the process to acquire a Right-of-Way for a snowmobile connector route into the Borough of Sheffield. Contracts were awarded for re-surveying 21 miles of boundary and maintenance for another 15 miles of boundary. Numerous special use permits were processed and administered to standard.

HEALTHY FOREST INITIATIVE:

Disturbances are an integral part of life in any ecosystem. Because most of these disturbances are natural events, good stewardship of the forest entails planning for natural events to the extent possible, and remaining flexible to address and mitigate their effects when they do occur. In July 2003, storm damage occurred over a large part of the ANF involving approximately 10,000 acres scattered throughout the forest. Safety was the first concern, and clearing leaning, sprung or weakened trees from roads, campgrounds and trails was the first priority after accounting for employees and members of the public staying in campgrounds.

Once safety issues were addressed, a damage assessment was completed, and a strategy to proceed was developed. Where feasible, and in compliance with regulations, the new blow down was incorporated into projects in the final stages of design. These projects were already in the planning stages before the storm. (Spring Creek includes approximately 800 acres; Martin Run includes approximately 600 acres). A third strategy is to develop projects solely for salvage treatment. Design of these areas has begun and surveys for threatened and endangered species, for wildlife and plant species that are on the Regional Forester's sensitive species list and for heritage resources will be started as soon as field conditions permit.

RESTORE

THE LAND TO CONSERVE OUR NATURAL HERITAGE:

The “Allegheny Brush Pile,” and the “Land that Nobody Wanted,” were the nick names of the Allegheny National Forest when it was first designated. Through scientific research, planning and project implementation, the ANF has become the vibrant lush forest that we know today.

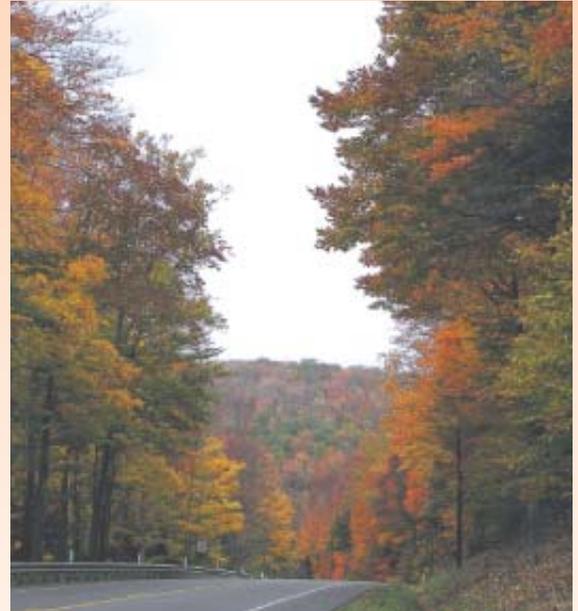
Our partnerships with the Northeastern Research Station and local universities have enabled us to participate in important research, monitoring and data collection. These partnerships benefit forest health and forest users by gathering data to make sound decisions, providing ownership to the surrounding communities, and providing valuable hand-on training to students.

In 2003, we continued administrative studies related to herbicide effects and oak regeneration. We also worked with a variety of partners and volunteers to: monitor, inventory and restore stream quality; improve fish and wildlife habitat through planting of seedlings and shrubs and constructing structures; and improve trail conditions through maintenance and grooming.

VEGETATIVE MANAGEMENT:

KNUTSON-VANDEMBERG TRUST FUND: (\$963,471)

The Knutson-Vandenberg Act of 1930 (16 U.S.C. 576b), as amended, authorizes the use of timber sales receipts to reforest harvested areas and to improve and protect the land’s future productivity. The Forest Service maintains the Knutson-Vandenberg Trust Fund for this purpose. For each timber sale, the Forest Service prepares a sale area improvement plan that determines how much money should be spent to reforest the harvested area. The percentage of the timber sales receipts to be set aside varies with each sale according to the kinds of activities that must be performed. In 2003, ANF personnel used KV money to complete both reforestation and wildlife habitat improvement work. Reforestation work included 1528 acres of herbicide, site preparation, and fertilization treatment to help establish tree seedlings and promote their growth in areas where timber harvest is planned or has already occurred. Area fences were constructed on 193 acres, 4350 acres of fences were maintained, 174 acres of fences no longer needed were removed, and 97 acres of individual tree fences were maintained. Tree seedling stocking surveys were completed on 4765 acres, and 50 acres of tree seedlings



or saplings were released from competing vegetation. In 2003, ANF personnel completed 254 acres of wildlife habitat enhancements. An additional 258 acres of wildlife openings were enhanced with the help of several partners. Nine acres were planted with shrubs and trees for wildlife and 127 wildlife structures (primarily nest boxes) were installed.

REFORESTATION:

(\$522,344)

(This figure includes reforestation as well as soil, water, noxious weeds, and air)

In 2003, ANF personnel completed 902 acres of site preparation, herbicide, and fertilization treatment to help establish tree seedlings and promote their growth in areas where future timber harvests are planned. In order to limit deer browsing on desired tree seedlings, area fences were constructed on 72 acres in planned or completed timber sale areas.

Fences were maintained on 3114 acres so they would continue to protect tree seedlings from deer browsing, individual tree fences were maintained on 54 acres, and 387 acres of fences no longer needed were removed. Surveys were completed on 5027 acres to assess tree seedling establishment, growth, and survival. Desired seedlings or saplings sometimes grow more slowly than other competing vegetation in young, developing forest stands. In order to assure the desired tree seedlings survive, we release them by cutting down the taller, competing vegetation. This type of release treatment was completed on 510 acres in 2003.



SALVAGE

(\$807,916)

“Salvage” timber refers to timber that is being made available for harvest because it is disease or insect-infested, dead, damaged or downed by wind, or affected by fire or imminently susceptible to fire or insect attack. The National Forest Management Act of 1979 (16 U.S.C. 472a(h)) established the Salvage Sale Fund. Individual salvage sale timber contracts designate the amount of receipts to be collected and transferred to the Salvage Sale Fund. The Forest Service uses moneys in the fund to prepare and administer future salvage sales. The fund may also be used to pay for the design, engineering and supervision of construction of roads associated with such sales. In 2003, we continued administration of some East Side sales, and addressed new salvage needs created by the July 21, 2003 storm. This work will continue in 2004.



WILDLIFE & FISHERIES OPERATIONS & IMPROVEMENTS AND T&E SPECIES:

(\$261,309)

WILDLIFE INNOVATIONS

Allegheny National Forest (ANF) wildlife biologists, working together with their partners are implementing many new innovative management techniques to further enhance habitat for a variety of wildlife species.

One example of an innovative wildlife project is the installation of the second “bat condo” on the ANF to provide a roosting site for bats. Designed by Cal Butchkowski of the Pennsylvania Game Commission (PGC), these bat condos are large 8 ft. by 8 ft. wooden structures that sit upon 4 wooden posts and can provide a roosting place for more than 6000 bats. This second condo was constructed at Buzzard Swamp after the first condo near Tidioute was quickly occupied by Little Brown bats. “We still use the smaller bat boxes in many situations where bats may be displaced from traditional roosts”, said September

Wilhelm, biologist on the Bradford District, “but these condos can support many more bats than the smaller bat boxes.”

Always looking for new ways to enhance wildlife habitat, ANF and PGC biologists have been working together to establish warm season grasses on the Allegheny to enhance cover for a variety of ground-nesting birds and many mammals. Warm season grasses put most of their initial energy into

root development as seedlings, and are vulnerable to competition and frost heave until their second growing season. Therefore, they have more stringent requirements for establishment than cool season grasses such as clovers and

fescues. Warm season grasses also respond well to prescribed burning rather than the traditional cool season practice of mowing. Plots of warm season grasses can be seen at the Hall Barn (south of Tidioute on Rt. 62) and at Buzzard Swamp (south of Marienville).



In an effort to improve habitat for waterfowl in the mid 1960s, the ANF and PGC constructed more than a dozen small impoundments scattered across the Allegheny. By the early 1990’s beavers had moved into these ponds, clogging water-level control devices and borrowing into the dam breastwork. This prompted the ANF, PGC, National Forest Foundation, and Duck’s Unlimited to join together to install new state-of-the-art water control structures equipped with Clemson beaver excluders designed by researchers at Clemson University. These beaver excluders have a long perforated PVC pipe enclosed in a wire mesh that extends from the breastwork out into the middle of the impoundment. To date, eight impoundments have been equipped with new water-level control devices and beaver excluders. “With the ability to raise and lower water levels, we have seen an increase in the diversity of vegetation with an accompanying increase in shorebird diversity” said Terry Steffan, biologist on the Marienville District. More cooperative impoundment work is planned for the future.

FISHERIES:

The Allegheny completed 70 acres of shallow and deep-water fish habitat improvement in the Allegheny Reservoir with the Kinzua Fish & Wildlife Association, monitored fish usage of fish habitat structures, conducted annual monitoring of management indicator species

(brook trout, walleye, smallmouth bass), began a forest-wide assessment of stream crossings to evaluate fish passage, assisted the PA Fish & Boat Commission with fish surveys, continued with implementation of the Biological Opinion from the US Fish & Wildlife Service by collecting water quality samples in two tributaries to the Allegheny River and initiated a partnership with Clarion University to conduct surveys for several threatened and endangered fish species.



PROVIDE FOR PEOPLE, NOW AND INTO THE FUTURE.

“Providing the greatest good for the greatest number in the long run,” was the guiding goal of the first chief of the Forest Service. The ANF continues to provide sensible forest management to ensure that our public lands are available for all who wish to use and enjoy them. These natural resources serve many different purposes, and are important to the people who depend on them. Our goal is to balance human impact with nature’s capacity to grow and regenerate.

For example, our vegetative management projects today are guided by the principle that what we leave on the land is more important than what we take away. It’s the exact opposite from the old economic driven high-grading philosophy of “take the best and leave the rest.”

The harvesting debate today—focusing on limits to diameter size—is so irrelevant. It continues to focus on what we take, not on what we leave. On a landscape scale, diameter size doesn’t matter. The number and size of the trees we remove doesn’t matter. What matters is the number, size, and type of trees we leave on the land to achieve healthy landscape conditions. The goal is to meet the desired future condition—a healthy, sustainable multiple-use forest.

The ANF is a rich varied source of natural resources. It provides:

- critical natural resources such as oil, gas, minerals, clean water and wood fiber;
- recreation opportunities such as camping, hiking, hunting, fishing, skiing, boating, scenic driving and wildlife viewing;
- information programming and facilities to enhance visitor’s experiences;
- opportunities for employment;
- wilderness and solitude, and
- a connection to our past through access to historic sites and their cultural significance.

TIMBER:

(\$2,322,530)

In 2003, the Allegheny offered 20.2 mmbf or 33,800 ccf of timber and other forest products to local purchasers. Total receipts for timber, Special Use Permits, common variety minerals and recreation were \$16,500,392.17, of which 99% was timber sale receipts.

In 2003, all four counties elected to receive Title I & III of the Secure Rural School and Communities Self Determination Act of 2000, which totaled \$6,204,213.13:

Warren County – \$1,774,171.04, McKean County – \$1,637,354.54, Forest County – \$1,438,226.60, Elk County – \$1,352,457.95.

The Allegheny staff continued environmental analyses on proposed projects, and made preparations for advertisement and award of future timber sales.



RECREATION:

(\$1,195,001)

Funds include activities for recreation, heritage and wilderness)



The Forest Service measured recreation use in Recreation Visitor Days (RVD’s) until 1998. In 1998, the National Visitor Use Monitoring (NVUM) project was implemented as a response to the need to better understand the use, importance and satisfaction with national forest system recreation opportunities. A group of research and forest staff were appointed to investigate and pilot a recreation sampling system that would be cost effective and provide statistical recreation use information at the forest, regional, and national level. A five-year cycle of data collection was established. In any given year, 20 percent of the national forests conduct on-site interviews and sampling of recreation visitors. The Allegheny has conducted the first sample survey, and plans to conduct the second sample survey in 2005.

Under the new NVUM system, the Allegheny National Forest data revealed that there were 1,411,875 National Forest Visits in FY 2001. The average length of a National Forest Visit is 17.4 hours. A National Forest Visit is defined as the entry of one person upon a national

forest to participate in recreation activities for an unspecified period of time. A national forest visit can be composed of multiple site visits. A Site Visit is the entry of one person onto a national forest site or area to participate in recreation activities for an unspecified period of time. There were 1,634,086 Site Visits recorded in 2001. The average length of a Site Visit is 16.2 hours. The average recreation visitor went to 1.1 sites during their National Forest Visit. About 74 percent of visitors went only to the site at which they were interviewed. More complete survey information is available at <http://www.fs.fed.us/recreation/nvum> and select Allegheny under the pull down menu.



Visitor Statistics:

Calls 44,839
 Information Packages Sent..... 2,119
 Office Visitors 28,393

HERITAGE:

We value our past, and work hard to ensure that future generations will experience the forest's cultural heritage. In 2003, we worked in partnership with Clarion University of Pennsylvania on a geomorphological study of the upper Allegheny River. We removed and replaced woody vegetation with soft vegetation at Irvine Flats, as part of site protection measures undertaken at Buckaloons. With invaluable support from partners and volunteers, we conducted several archaeological programs, including an archaeological dig at Buckaloons, and three archaeology field schools in partnership with local universities.

WILDERNESS:

The Allegheny has two nationally designated Wilderness; Hickory Creek Wilderness (8,663 acres), and Allegheny Islands Wilderness (368 acres over seven islands). This year, the Allegheny hosted tours and discussions on Wilderness management for the Boy Scouts and three local universities, provided training for a Student Conservation Association intern who provided Wilderness patrols, Wilderness campsite clean-up and monitoring, and educational programs in "Leave No Trace" and environmental ethics. Friends of Allegheny Wilderness sponsored four volunteer work weekends in Hickory Creek Wilderness.



RECREATION AND FACILITY CONSTRUCTION AND MAINTENANCE:

(\$3,644,533)

Several projects were in various stages in 2003. The rehabilitation of the Buckaloons Recreation Area included construction of a new shower/flush toilet building, rehabilitation of an existing flush toilet building, installation of underground sewage lines with hook up to municipal sewer system, construction of three vault toilets, construction of a new parking lot at the boat launch area, expansion of several parking lots in the picnic area and group campground area, construction of ten new campsites and installation of 30 amp electrical service to 25 campsites. The Marienville Office project included the award of a contract for the construction of a new office and warehouse at the present site along SR 66. This office will serve the public better with an enhanced and accessible reception area as well as space for employees. The warehouse allows the district to work out of one site and not rely upon the facilities in downtown Marienville. Installation of an accessible boat

dock system at Webb's Ferry Boat Launch improved access, and facilities maintenance included general maintenance on all buildings, water and wastewater systems. Work was also done at Tracy Ridge Campground including installation of 2 new accessible vault toilets and repair of a well. Willow Bay Campground received some additional landscape plantings, and Hooks Brook Boat Access Campground received improvements with accessible vault toilets and improved camping sites. Farnsworth House bathroom was remodeled.



MAINTAINING OUR ROADS AND TRAILS:

ROADS:

(\$1,475,404)



In 2003, we administered 1,196 miles of roads and 26 bridges in our jurisdiction. We maintained 544 miles of road for passenger car traffic, and the remainder to a lower standard. To facilitate better utilization of our road system, we completed a Forest Wide Roads analysis, a watershed level roads analysis (Spring Creek) and a project level roads analysis (County Line Four Mile). All of these documents

are available on the ANF website. Forest personnel completed fish passage surveys on 80 stream crossings on the forest road system. The roads staff prepared timber sale road packages for 0.3 miles of reconstruction and 43 miles of restoration for sales awarded in 2003. The new roads and parking areas were funded within the site for the Marienville Office, as well as those in Buckaloons Campground.

TRAILS:

(\$281,102)

The seasonal summer pedestrian trail crew provided maintenance on over 100 miles of non-motorized trails throughout the ANF.

Capital improvements to the Marienville and Rocky Gap ATV Trailheads were completed that included paved parking lots and concrete walkways to restroom facilities to improve accessibility and reduce maintenance needs. Fourteen miles of ATV trail on Timberline and Rocky Gap were rehabilitated. Administration and oversight of State funded contracts for snowmobile grooming, (360 miles) and ATV Trail heavy and light maintenance (108 miles). Eleven miles of trail in the Hickory Creek Wilderness were maintained. Partnership with local trail groups and interested individuals made National Trails Day a huge success. Work accomplished on the North Country National Scenic Trail included over 1/4 mile of side slope trenching and construction of two footbridges.

As a result of the severe wind and rainstorm July 21st, the Forest issued a temporary forest wide trails closure. Many volunteers, clubs, organizations and Forest Service (FS) contractors assisted FS personnel with the assessment and partial clearing (over 70%) of down timber on almost every mile of trail across the forest.

MINERALS AND GEOLOGY:

(\$490,332)

The Allegheny National Forest is rich in resources and has an actively managed minerals and geology program. Of the 513,297 acres that comprise the Allegheny National Forest, 93% of the oil, gas and mineral rights are privately owned by individuals and corporations. In 2003, 202 new wells were drilled, 79 geologic areas were administered, 61 operation plans were processed and 1,466 oil, gas and mineral operations were administered. Eleven wells were plugged by operators.



REAL ESTATE ACQUISITION:

(\$102,309)

The ANF acquired a sixteen-acre island in the Allegheny River with a one-acre access tract fronting Route 62. Negotiations were initiated with numerous private land-owners about acquiring land by exchange or purchase. A 28.32-acre tract of private land near Tidioute was surveyed for purchase, and all necessary data was collected for a closing in January 2004.

RECREATION FEE DEMONSTRATION PROGRAM:

In 1996, Congress authorized the Recreation Fee Demonstration program (fee demo) through Public Law 104-134 (as amended: 16 United States Code 4601-6a), for the Forest Service, National Park Service, Bureau of Land Management, and U.S. Fish and Wildlife Service. The intent of the program is to test the application of recreation fees that are reinvested in recreation areas on federal lands and used to maintain and improve natural resources, recreation facilities, and services where they are collected. The Allegheny has implemented Recreation Fees at the following Recreation Areas: Loleta, Beaver Meadows, Hearts Content, Minister Creek, Buckaloons; boat access campgrounds of Morrison, Pine

Grove, Hopewell, Handsome Lake and Hooks Brook; and boat launches at Webb's Ferry and Roper Hollow. Of the fees collected at these sites, 85% of the collections are used for maintenance and improvements at any recreation fee demonstration site.



CAMPGROUNDS FEE DEMO

(\$155,733)

Campsite furniture was replaced at 20 campsites at Hearts Content and Buckaloons Campgrounds, and new furniture was installed at the 37 newly constructed campsites at the boat access campgrounds of Hopewell, Handsome Lake and Hooks Brook. The current service boat was repaired and a new service boat was purchased to provide improved customer

service to the boat access sites. Approximately 1,200 feet of water line was replaced at Morrison Boat Access Campground. Several capital investment improvements were made at Buckaloons including construction of a new shower/flush toilet building, rehabilitation of an existing flush toilet building, installation of underground sewage lines with hook up to municipal sewer system, construction of three Sweet Smelling Toilets, construction of a new parking lot at the boat launch area, expansion of several parking lots in the picnic area and group campground area, construction of ten new campsites and installation of 30 amp electrical service to 25 campsites.

ATV/BIKE TRAILS FEE DEMO

(\$142,913)

Annual fees were implemented in 2002, and due to user requests we implemented a daily permit in fiscal year 2003. Fees were used



to improve visitor information, education, and compliance and to establish a dedicated Off-Highway Vehicle seasonal technician to monitor and maintain the trail system. Completed reconstruction on segments of the Timberline and Rocky Gap ATV Trails, and facility enhancements at Rocky Gap and Marienville ATV Trailheads.



PARTNERS AND VOLUNTEERS IN FY 2003

The volunteer and partnership programs offer individuals and sponsored groups/organizations from all walks of life the opportunity to contribute their talents and services to assist in managing the Nation's natural resources. The volunteers may assist in all Forest Service programs or activities except law enforcement. The volunteer's incidental expenses, such as transportation, uniforms, lodging, and subsistence, are sometimes provided by the Forest Service.

Much of the work accomplished each year is completed through our very active volunteer and partnership program. This is our opportunity to recognize the many volunteers and partners that have helped complete a variety of projects on the Allegheny. During fiscal year 2003, the Allegheny had 404 volunteers who contributed 7.11 person year's of effort, mostly for our recreation, heritage and wildlife programs. 46.78 percent of our volunteers were under 18, 15.84% are over 55, and 38% are female. In addition to the volunteers, the Allegheny joined efforts with over 30 organized partners.

It is always a pleasure to welcome new volunteers to the Allegheny National Forest. If you, a friend or your club are interested in volunteering on the Allegheny, please contact the Supervisors Office (814) 723-5150.

Partner or Volunteer Name	Work Project Description
Abplanalp, Rob	Fish habitat improvement
Allegheny National Forest Vacation Bureau	Marketing
Allegheny Outdoor Club	Trail maintenance on the North Country Trail
Allegheny Trail Riders	OHV trail maintenance
Allen, John	Heritage Resources
Armstrong, Brian	River Otter Monitoring Project
ATV Traction	OHV trail maintenance
Atwood, Edwin W.	Snowmobile trail maintenance
Atwood, Karen	Snowmobile trail maintenance
Atwood, Walter	Snowmobile trail maintenance
Ayers, Kellie J.	Heritage Resources
Babusci, Brian	OHV trail maintenance
Banks, Yvonne	Fish habitat improvement
Barr, Bill	Fish habitat improvement
Beane, Beverly	Fish habitat improvement
Belitskus, Bill	Trail maintenance on the North Country Trail
Best, Kay	Trail maintenance on the North Country Trail
Bielawski, Brad	Trail maintenance on the North Country Trail
Bish, Ray	Installed fence around wildlife food plot
Bloom, Guy	Trail maintenance on the North Country Trail
Bloomsburg University Student Interns	
Bobbert, Katie	Heritage Resources
Boot Jack Snow Gliders	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Bosak, Chelsea	Heritage Resources
Boyer, Bob	Fish habitat improvement
Boyer, Cody	Fish habitat improvement
Bradford School District, Intermediate Unit #9	Tree planting for Earth Day celebration
Brant, Diane	Trail maintenance on the North Country Trail

Partner or Volunteer Name	Work Project Description
Bray, Christopher	Staff information booth at outdoor show
Bremley, Josh	Campground maintenance, bridge construction/installation
Bright, Adam	Heritage Resources
Brokenstraw Valley Area Authority	Heritage Resource Mitigation
Brown, Gail	Fish habitat improvement
Brubaker, Jim	Adopt-a-Trail – Laurel Mill Cross-country Ski Trail
Brundige, Fred	Campground maintenance, bridge construction/installation
Brundige, Joe	Campground maintenance, bridge construction/installation
Brundige, Michael	Campground maintenance, bridge construction/installation
Burdick, Mark	Maintenance on boat, including metal fabrication/welding)
Burkett, Greg	Trail maintenance on the North Country Trail
Burnett, Anthony	Heritage Resources
Caldwell, Merle	Fish habitat improvement, Trail maintenance on the North Country Trail
Campbell, Afton	Heritage Resources
Carlson, Sheila	Trail maintenance on the North Country Trail
Carnegie Museum of Natural History	Dragonfly surveys and Species Viability Analysis
Chovan, Rachel	Heritage Resources
Clarion University	Heritage Resources-Indian Valley, Hopkins Farm, Wilderness Islands, Ecological Land Typing and inventory sensitive fish species
Clark, James	Litter pick-up
Clinton, Brett	Snowmobile trail maintenance
Clinton, Linda	Snowmobile trail maintenance
Conant, Dan	Removed tree shelters from oak seedlings
Cordes, Robert	River Otter Monitoring Project
Cornelius, Gene	Trail maintenance on the North Country Trail
Cornell Abraxas One	Heritage Resources, trail & campground maintenance
Corydon County Law Enforcement	Cooperative Law Enforcement
Counts, Cathy	Fish habitat improvement
Covell, Amy L.	Heritage Resources
Daly, Quinn	Heritage Resources
Daugherty, Emily	Heritage Resources
Davis, Joe	Installed fence around wildlife food plot
Dean, Aaron	Heritage Resources
Dean, Bruce	Fish habitat improvement
Dietz, Michael	Heritage Resources
Dobson, Clavonte	Heritage Resources
Donick, Elizabeth	Eagle Nest Monitoring
Dorn, Brita	Trail maintenance on the North Country Trail
Dorn, Don	Trail maintenance on the North Country Trail
Durnell, Mark	Fish habitat improvement
Dyne, Wally	Fish habitat improvement
Eberl, Mark	Trail maintenance
Egbert, Matthew	Heritage Resources
Ekis, Keith	Trail maintenance on the North Country Trail
Exley, Dan Jr.	Trail maintenance on the North Country Trail
Fava, Sue	Adopt-a-Trail – Laurel Mill Cross-country Ski Trail
Finnigan, David	Heritage Resources
Flood, Eric	Trail maintenance on the North Country Trail
Forest County Law Enforcement	Cooperative Law Enforcement
Forest County Snowmobile Club	Snowmobile trail maintenance
Forest Health Protection	Forest Health monitoring
Forest Research, Morgantown, WV	Disturbance ecology & management of oak dominated forests
Forest Research, Parsons, WV	Sustainable forest ecosystems
Forest Research Delaware, OH	Multiple stress interactions & their effects on forest health
Forest Research, Irvine, PA	Guideline indicators of sustaining forest ecosystems of PA
Fredenberg, Betty	Campground Host
Fredenberg, Harlan	Campground Host
Frontino, Stephen J.	Wildlife (deer density surveys)
Frostburg University	River otter and Fisher monitoring

Partner or Volunteer Name	Work Project Description
Friends of Allegheny Wilderness	Planted native specie trees inside and outside Hickory Creek Wilderness boundary; Trail maintenance in Hickory Creek Wilderness; Removed tree shelters from oak seedlings.
Fry, Tyler	Fish habitat improvement
Garner, Ross	River Otter Monitoring Project
Gatto, Paul	Snowmobile trail maintenance
George G. Blaisdell School	Tree planting for Earth Day celebration
George, Brendan	Wild and Scenic River management
Geramita, Matthew	Heritage Resources
Gerheim, Elizabeth	Heritage Resources
Gilbreath, Emilie	Planted native specie trees inside and outside Hickory Creek Wilderness boundary
Graffius, Lindsay	Heritage Resources
Green, Jean	Fish habitat improvement
Hanes, Ed	Fish habitat improvement
Hanes, Pat	Adopt-a-Trail – Laurel Mill Cross-country Ski Trail
Harrison, Michael	Heritage Resources
HartLove, George	Heritage Resources
Haynes, Gary	ATV Trail Host
Headwaters Resource Conservation & Development	Farm Bill Implementation
Hickey, Jeanne	Litter pick-up
Hiemenz, Richard J.	Road condition/pre-construction surveys
Hite, Jeremy	River Otter Monitoring Project
Hosmer, Mary	Adopt-A-Trail – Little Drummer Historical Pathway
Hubbard, Brett	River Otter Monitoring Project
Hunt, Don	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Hunt, Mary	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Hurley, Kyle	Heritage Resources
Irwin, Elizabeth	Support to the Forest Roads program
Jackson, Jim	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Johnson, Andrew	Fishing line and trash clean-up
Johnson, Kirk	Planted native specie trees inside and outside Hickory Creek Wilderness boundary; Trail maintenance in Hickory Creek Wilderness; Removed tree shelters from oak seedlings
Jones, Aaron	Heritage Resources
Junio, Rachel	Support to Fisheries program
Kane Area Elementary School	Tree planting for Earth Day celebration
Kane Area Middle School	Tree planting for Earth Day celebration
Keen, Nathan	Heritage Resources
Keener, Christopher	Heritage Resources
Kell, Gary (retired FS)	Developed PowerPoint presentation for Recreation program.
Kelley, Natalie	Planting native specie trees inside and outside Hickory Creek Wilderness boundary
Kessler, Jennifer R.	Summer Intern – GPS/GIS in support of Forest projects
Kilmer, Andy	Heritage Resources
Kinzua Fish and Wildlife Association	Fish habitat improvement
Kittner, Sally	Trail maintenance on the North Country Trail
Kittner, Virgil	Trail maintenance on the North Country Trail
Kleissler, Jim	Trail maintenance on the North Country Trail
Klos, Keith	Trail maintenance on the North Country Trail
Knott, Jared	Planted native specie trees inside and outside Hickory Creek Wilderness boundary; Trail maintenance in Hickory Creek Wilderness; Removed tree shelters from oak seedlings
Koehler, Terry	Fish habitat improvement
Kopac, Danikka	Heritage Resources
Koza, Ryan	Fish habitat improvement
Kriley, Travis	Heritage Resources
Kulscar, John	Trail maintenance on the North Country Trail
Lacey, Matthew	Heritage Resources
Landis, Terry	Heritage Resources
Lenaway, Mike	Fish habitat improvement
Leonhart, Alice	Campground Host
Leonhart, John	Campground Host

Partner or Volunteer Name	Work Project Description
Levenson, Josh	Planted native specie trees inside and outside Hickory Creek Wilderness boundary
Levy, Rachel	Removed tree shelters from oak seedlings
Lewis, Joe	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Lewis, Lee	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Lind, Don	Trail maintenance on the North Country Trail
Lipchey, Derek	Campground maintenance
Lombardo, Mary Jane	Planted native specie trees inside and outside Hickory Creek Wilderness boundary
Love, Dave	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail; Trail maintenance
Love, Don	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Love, Rick	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Luciano, Rose	Fish habitat improvement
Lumber Heritage Region	Marketing - Lumber History website
MacDonald, Sam	Planted native specie trees inside and outside Hickory Creek Wilderness boundary; Trail maintenance in Hickory Creek Wilderness
Mader, Pete	Fish habitat improvement
Mague, Bill	Fish habitat improvement
Maher, Tammy	Dispersed recreation maintenance
Maletto, Jim	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Marienville Trail Riders	OHV trail maintenance
Marienville Volunteer Fire Company	ATV Trail maintenance
Marley, Karen	Heritage Resources
Martin, Rachel	Trail maintenance on the North Country Trail
Massa, Mary	Staff information booth at outdoor show; Trail maintenance on the North Country Trail
Massa, William	Staff information booth at outdoor show; Trail maintenance on the North Country Trail
Matson, Bill	Installed fence around wildlife food plot
Maynard, Tom	Trail maintenance on the North Country Trail
McCoy, Janey L.	Wildlife (bat inspections)
McDaniel, Lyn	Trail maintenance on the North Country Trail
McDaniel, Rick	Trail maintenance on the North Country Trail
McDonald, John	Fish habitat improvement
McGuire, Jason E.	Summer Intern - GPS/GIS in support of Forest projects
McQueen, Matthew	Soils monitoring
Mendenhall, Fred	Trail maintenance on the North Country Trail
Mercado, Arcadio	Heritage Resources
Mercyhurst Archaeological Institute	Heritage Resources
Miller, Charles	Campground Host
Miller, Christopher	Heritage Resources
Miller, Cindy	Trail maintenance on the North Country Trail
Miller, John	Heritage Resources
Miller, Keith	Trail maintenance on the North Country Trail
Miller, Patricia	Campground Host
Mills, Brian	OHV trail maintenance
Mills, Mark	River Otter Monitoring Project
Moriarity, Billy (retired FS)	Ecological land unit identification/mapping
Mummert, Justin	Heritage Resources
Nakitani, TaiChi	Heritage Resources
NE Forest Experiment Station	Forest Health monitoring
Nelson, Dru	Fishing line and trash clean-up
Nelson, Gene	Trail maintenance on the North Country Trail
Nelson, Roger	Shoreline clean-up in the Allegheny Islands Wilderness and the Wild and Scenic River Corridor
Nemcik, Bert	Trail maintenance on the North Country Trail
Nemcik, Cheryl	Trail maintenance on the North Country Trail
Nicholson, Sandra	Trail maintenance
Noma, Jack	Fish habitat improvement
Norbert, Tiffany	Heritage Resources
North Central Regional Planning	Environmental Education Programming
North Country Trail Association	Trail maintenance on the North Country Trail
Northern Alleghenies Vacation Region	Marketing
Northwest Pa Great Outdoors Vacation Bureau	Marketing
O'Connell, Joe	Installed fence around wildlife food plot
O'Neill, Rachel	Heritage Resources
Overly, James	Heritage Resources
PA Cleanways of McKean County	Litter clean-up (2 events)
PA DCNR ATV/Snowmobile Unit	ATV/Snowmobile Trail maintenance

Partner or Volunteer Name	Work Project Description
PA DCNR Bureau of Forestry	Cooperative Fire Protection
PA Environmental Council	Administration of Allegheny Wild & Scenic River
PA Fish & Boat Commission	Allegheny River Trail Brochure
PA Game Commission	Wildlife habitat maintenance/improvement
Parker, Nick	Field evaluations of forested areas for silviculture treatments
Parker, Tom	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Penn Soil Resource Conservation & Development	Farm Bill Implementation
Pennsylvania State Snowmobile Association	Installed fence around wildlife food plot
Pennsylvania State University	Social Assessment, GIS and Ecological Land Typing
Peters, Elizabeth	Heritage Resources
Pfluger, Tom	Trail maintenance on the North Country Trail
Pochwat, Jeremy	Heritage Resources
Poole, Landon	Heritage Resources
Porcenaluk, Miranda	Heritage Resources
Porta, Evelyn	Visitor Information at Tionesta Visitor Center
Prezzano, Dr. Susan	Heritage Resources
Priddy, Joseph	Dispersed recreation site clean-up
Radeski, Jennifer	Trail maintenance in Hickory Creek Wilderness



Radzysinski, Shannon	Heritage Resources
Ramos, Andy	Heritage Resources
Rawson, Robert	Heritage Resources
Rayhart, Tom	River Otter Monitoring Project
Rearick, Dewey	Snowmobile trail maintenance
Redding, Jim	Fish habitat improvement
Reese, Raymond	Heritage Resources
Reiff, Dan	OHV trail maintenance
Reiter, Megan A.	Job Shadowing
Reyes, Giovanni	Heritage Resources
Rhodes, Ronald	Campground Host
Rhodes, Sarah	Campground Host
Rich, Rian	Fish habitat improvement
Rodriguez, Jose	Heritage Resources
Ross, Earl	Trail maintenance on the North Country Trail
Ross, Karl	Job Shadowing with Law Enforcement Officer
Ross, Michael J.	Summer Intern – GPS/GIS in support of Forest projects
Rudolph, Nancy	Fish habitat improvement
Russell, Jim	Trail maintenance in Hickory Creek Wilderness
Rutherford, George	Trail maintenance on the North Country Trail
Rutigliano, Frank	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Ryding, Bill	Trail maintenance on the North Country Trail
Salvatore, Elonda	Heritage Resources
Schmidt, Robert	Fish habitat improvement
School Street Elementary School	Tree planting for Earth Day celebration

Partner or Volunteer Name	Work Project Description
Secor, Sam	Adopt-A-Trail – Little Drummer Historical Pathway
Seneca Nation of Indians	Consultation
Serfass, Tom	River Otter Monitoring Project
Servey, Katie	Heritage Resources
Seth, Allison	Fish habitat improvement
Sexton, Jennifer	Planted native specie trees inside and outside Hickory Creek Wilderness boundary
Shawley, Diane	Assisted in tourism and outreach
Sheridan II, Phil	Trail maintenance
Shields, Dick	Fish habitat improvement
Shinaberger, John	Trail maintenance on the North Country Trail
Shinaberger, Pat	Trail maintenance on the North Country Trail
Shindlecker, Sam	Heritage Resources
Shrine Club, Robert Mulvin and others	Roadside clean-up
Skinner, Larry	Installed fence around wildlife food plot
Skopinski, Taffi	Trail maintenance in Hickory Creek Wilderness
Smith, Justi	Heritage Resources
Smith, Kristie M.	Job Shadowing
Smith, Tamili M.	Visitor Information/customer service at Marienville Office
Spangler, Devaughn	Heritage Resources
St. Bernard Elementary/Middle School	Tree planting for Earth Day celebration
State University of New York (SUNY)	Fire Plan/ Oak Regeneration Research
Stauffer, Blaine	Adopt-a-Trail – Brush Hollow Cross-Country Ski Trail
Stevens, Sadie	River Otter Monitoring Project
Stewart, Ross	Heritage Resources, Trail maintenance on the North Country Trail
Stohl, Jason	Heritage Resources
Stuedler, Richard	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Student Conservation Association	Student Intern for Wilderness Environmental Education
Stump, Cliff	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Talbott, Ryan	Trail maintenance on the North Country Trail
Testa, Eric	Heritage Resources
Three Rivers Competition Riders	OHV trail maintenance
Threfall, Jeffrey	Trail maintenance
Tionesta Snowmobile Club	Snowmobile trail maintenance
Trubic, Janice	Trail maintenance on the North Country Trail
Twerdok, Scott	Heritage Resources
US. Fish & Wildlife Service	Project planning
Vento, Dr. Frank	Heritage Resources
Vinca, Pat	Fish habitat improvement
VonArx, Don	Fish habitat improvement
Waldman, Guy	Fish habitat improvement
Wallin, Bob	Fish habitat improvement
Walter, Duane	Heritage Resources
Wardian, Melissa A.	Summer Intern - GPS/GIS in support of Forest projects
Warren County Law Enforcement	Cooperative Law Enforcement
Western Pennsylvania Conservancy	Small whorled pogonia strategy an dragonfly surveys
Wier, Lenny	Heritage Resources
Williams, Millie	Trail maintenance
Wilson, Chris	Fish habitat improvement
Wilson, Chuck	Snowmobile trail maintenance
Wilson, Richard	Heritage Resources
Wise, Molly	Heritage Resources
Witmayer, Matthew	Heritage Resources
Wolfe, Jim	Snowmobile trail maintenance
Wood, Terry	Snowmobile trail maintenance
Woodman, Bucky	Installed fence around wildlife food plot
Wortman, Randy	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Yeager, Ron	Adopt-A-Trail – Little Drummer Historical Pathway
Yonkofski, Ben	Fish habitat improvement
Young, Arthur	Trail maintenance on the North Country Trail
Zameroski, Theresa	Adopt-a-Trail – Laurel Mill Cross-Country Ski Trail
Zeigler, Dan E.	Job Shadowing

FIRST AND SECOND DECADE FOREST PLAN IMPLEMENTATION

Activity	Unit Of Measure	Decade 1 Plan Amt.	Decade 2 Plan Amt.	Sum Of Dec. 1 & 2 Plan Amt	FY 86-95 Accompl.	Balance Decade 2 Plan Amt.	FY 96-00 Accompl.	2001	2002	2003	Accomp. To Date	Completed To Date
Developed Rec												
Semi-primitive/Motorized	MRVD	370	380	750	583.1	166.9	349.33	*	*	*	932.4	124.3%
Roaded Natural	MRVD	4,300	4,710	9,010	4,553.2	4,456.8	3700.2	*	*	*	8,253.4	91.6%
Rural	MRVD	4,190	4,320	8,510	4,966.9	3,543.1	3953.6	*	*	*	8,920.5	104.8%
Dispersed Rec												
Semi-primitive/Non-motorized	MRVD	300	420	720	335.8	384.2	179.7	*	*	*	545.5	71.6%
Semi-primitive/Motorized	MRVD	3,680	3,720	7,400	5,175.7	2,224.3	4425.1	*	*	*	9,600.8	129.7%
Roaded Natural	MRVD	4,990	5,250	10,240	8,194.1	2,045.9	5669.7	*	*	*	13,863.8	135.4%
Wilderness												
Semi-primitive/Non-motorized	MRVD	10	16	26	23	3	22.0	*	*	*	45.0	173.1%
Trail Construction												
Pedestrian	Miles	48	41	89	39.3	49.7	23.0	*	*	*	62.6	70.3%
Motorized – Winter	Miles	11	11	22	50.5	0	25.3	0.5	0	0	76.3	346.8%
Motorized – Summer	Miles	145	145	290	70	220	10.8	3.5	0	0.8	85.1	29.3%
Timber Management												
Hardwood Sawtimber	MMBF	383	460	843	350.1	492.9	69.3	7.9	11.8	7.4	446.5	52.9%
Hardwood Pulpwood	MMBF	562	480	1,042	333.1	708.9	48.4	4.8	9.2	4.0	399.5	38.3%
Hardwood Firewood	MMBF	0	0	0	17.1	0	4.7	1.0	1.0	1.2	25.0	N/A
Total Sell	MMBF	945	940	1,885	700.3	1,184.7	122.0	13.7	22.0	12.6	870.6	46.1%
Clearcuts	Acres	3,300	3,400	6,700	6,925	0	814.0	179	172	0	8,090	120.7%
Shelterwood Seed/Prep	Acres	29,700	30,600	60,300	12,930	47,370	3,132	416	1,232	174	17,884	29.7%
Shelterwood Removal	Acres	29,700	30,600	60,300	12,971	47,329	4,164	412	592	712	18,851	31.3%
Thinning	Acres	94,000	78,000	172,000	40,653	131,347	4,698	627	1,434	76	47,488	27.6%
Selection Cuts	Acres	6,000	0	6,000	5,573	427	633	0	0	0	6,206	103.4%
Timber Stand Improvement	Acres	8,000	6,000	14,000	855	13,145	0	0	0	0	855	6.1%
Herbicide ¹	Acres	20,000	18,000	38,000	11,240	26,760	5,366	122	754	375	17,857	47.0%
Fertilization	Acres	25,000	14,000	39,000	9,571	29,429	3,771	777	486	328	14,933	38.3%
Fencing	Acres	4,000	4,000	8,000	9,451	0	3,368	798	360	265	14,242	178.0%
Planting	Acres	2,000	2,000	4,000	1,096	2,904	1,226	153	97	0	2,572	64.3%
Site Prep	Acres	18,000	18,000	36,000	11,887	24,113	6,350	983	1,463	1,629	22,312	62.0%
Release	Acres	0	0	0	169	0	2,634	499	199	560	4,061	N/A
Roads												
Construction	Miles	239.0	134.0	373.0	158.1	214.9	6.8	0.4	1.1	0.0	166.4	44.6%
Reconstruction – Betterment	Miles	97.0	55.0	152.0	116.9	35.1	4.8	1.4	4.8	2.1	130.0	88.5%
Temporary	Miles	17.0	17.0	34.0	12.7	21.3	0.4	0.0	0.0	0.0	13.1	38.5%
Wildlife												
Hunting Use	MRVD	1,970	2,200	4,170	2,302.2	1,867.8	853.7	*	*	*	3,155.9	75.7
Fishing Use	MRVD	1,510	1,720	3,230	1,663.1	1,566.9	971.5	*	*	*	2,634.6	81.6%
Fish Habitat Improvement	Acres	N/A	N/A	1	149	0	193	34	39	70	485.0	N/A
Wildlife Habitat Improvement	Acres	23,720	27,580	51,300	22,273	29,027	8,397	876	1,870	1,667	35,083	68.4%
Wildlife Habitat Improvement	Structures	60	110	170	2,256	0	301	36	24	206	2,823	1,660.6%
Soil/Water/Air												
Water/Soil Improvement	Acres	N/A	N/A	0	7,765.5	0	218.7	101	39	39	8,163.2	N/A

¹ Excludes respray areas (Total of 400 acres from 1986 to 1998)

* Measurement of recreation use changed in 2001, see recreation introduction on page 7.

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