



# Hawaii



## State & Private Forestry Fact Sheet

### Investment in State's Cooperative Programs:

	FY 2004 Final	FY 04 Final	FY 05 Estimate	FY 05 Estimate
	Federal	State	Federal	State
Forest Legacy	\$10,000	\$2,500	\$30,000	\$10,000
Forest Health Protection	\$70,000	\$70,000	\$70,000	\$70,000
Pest Prevention/Suppression	\$547,000	\$547,000	\$547,000	\$547,000
Cooperative Fire Protection - State Assistance	\$300,000	\$300,000	\$415,000	\$415,000
Cooperative Fire Protection - Volunteer Assistance (RCFP)	\$200,000	\$200,000	\$249,000	\$249,000
Forest Stewardship Program	\$102,000	\$400,000	\$110,000	\$110,000
Rural Development	\$50,000	\$50,000	\$55,000	\$55,000
Natural Resource Conservation Education	\$15,000	\$15,000	\$15,000	\$15,000
Urban and Community Forestry	\$428,000	\$430,000	\$318,000	\$318,000
American Heritage River – Hanalei Heritage River Project	\$120,000	\$120,000	\$60,000	\$60,000
Forest Lands Enhancement Program	\$0	\$0	\$0	\$0

The cooperative programs are administered and implemented through a partnership between the State of Hawaii, the USDA Forest Service, and many other private and government entities. These programs aim to improve the health and productivity of Hawaii's forestlands to benefit its people. Specific projects address forest products and timber, wildlife habitat enhancement, watershed restoration, rural economic diversification, and native forest resource/biodiversity preservation.

These programs:

- *Reduce costs* through the use of partnerships;
- *Increase resource values* by integrating conservation with enhanced forest productivity; and
- *Are voluntary* and use non-regulatory approaches.

### Key issues:

Key issues that the Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife will address with assistance from these federal programs:

- Watershed Protection and Management - protect and improve forest conditions for watershed enhancement.
- Native Resource Protection and Enhancement - preserve and enhance native habitats in the Natural Area Reserves Systems and portions of Forest Reserves.
- Outdoor Recreation Resources and Development - maintain trails used for fishing, hiking, camping, hunting, picnicking, and nature photography.
- Increase habitat preservation for threatened and endangered species.
- Increase the use of native species vs. exotic in urban, rural and industrial timber settings.
- Enhance awareness for managing invasive species, including addressing local nursery vendor stock.
- Urban Forest Health - improve the health of our urban forests through expanded tree planting and educational activities.
- Forest Products Resources and Development - conserve native ecosystems by developing sustainable forest plantations to provide commodities and amenities, while providing local employment opportunities.
- Public Information and Education - build awareness of the Division's activities and objectives through environmental education and outreach.

## Forest Facts and Accomplishments

SELECTED FACTS		SELECTED RESULTS	
Population	1,200,000	Stewardship Plans Prepared (current year)	4
Acres of Forest Land	2,000,000	Area Under Stewardship Plans (current year) – <i>includes FLEP plans</i>	9,306
Acres of Non-Industrial Private Forest Land	300,000	Area Under Stewardship Plans (all years)	10,949
Number of NIPF Landowners		Rural Acres Planted	1,280
Acres of Federal Land Under State Fire Protection	0	Technical Assists to Private Landowners	408
Acres of Private Land Under State Fire Protection	2,300,000	Rural Fire Departments Assisted	4
Number Rural Fire Departments	4	Rural Fire Department Volunteers Trained	65
Number of Cities and Towns	123	Acres Surveyed for Forest Health	1,549,704
Forest Based Employment	926	Acres Protected from Insect & Disease Damage	0
Forest Based Earnings	\$30,700,000	Cities and Urban Areas Assisted	123
Economic Impact of Forestry (by rank)	19	Economic Action Grants to Rural Areas	\$170,000
State Forestry Budget	\$14,330,000	Technology transfer and Workshops (seat hours)	3000
Invasive species control efforts (acres)	72,340	Private landowners enrolled in resource management programs	44
Forest Products Licensees and Permittees	21		

### Program Highlights:

Together DOFAW and USDA Forest Service provide Cooperative Forestry Programs to public and private entities. These programs include:

### Rural Development

The Hawaii Department of Land and Natural Resources (DLNR) believes that many hardwood timber species presently grown in the State are underutilized and wishes to promote increased use of locally grown hardwood lumber in the hardwood lumber “economy” of Hawaii. Through a partnership with the USDA Forest Service Rural Development program, a two-phase marketing and research project was initiated. The first phase was comprised of research to detail information regarding consumption, importation, local production, quality analyses etc. of hardwood lumber in Hawaii. This study was completed and the final report has been posted at: <http://www.state.hi.us/dlnr/dofaw/pubs/Hawaii%20Hardwood%20Market%20Study.pdf>.

The second phase will focus on the production of a carefully selected group of solid wood products derived from Hawaiian-grown non-native hardwoods, which could become the catalyst for attracting the capital investment that is urgently needed to start a competitive but sustainable forest products industry in Hawaii. The project will utilize wood samples from the State of Hawaii to develop trial products that include furniture grade lumber, flooring and molding, and possibly door parts. Specific objectives will include:

1. Evaluation of statewide timber resource availability.
2. Wood product sample development, marketing acceptance study, and wood quality evaluation.
3. Facility design analyses for requirements to establish a small to moderate scale saw mill in Hawaii.

### Urban and Community Forestry (Kaulunani)

Tree planting and maintenance, community educational program development, urban forestry management plans, tree benefit analysis, *Weed Risk Assessment* of trees used in the urban forest, WRA Liaison to develop, implement and maintain outreach and education programs to the landscape industry, Arbor Day activities and partnerships. Since 1992 Kaulunani has awarded over \$1.3 million dollars to community groups with a match of nearly \$5 million. Twenty-six projects were funded during FY 2004 for \$235,307 and matched by \$404,248 in cash and in-kind donations. Key new focus areas include basic tree care workshops, *Urban Forest Effects Model* (UFORE) – field data collection and analysis, and the Weed Risk Assessment Liaison position.

## Cooperative Fire Protection

Life, property and natural resources are protected from wildfire to increase public safety and limit environmental damage, in order to lessen the effects on sustained yields of goods and services. The Division is working with all County Fire Departments to address the wildland urban interface problem statewide. The Division is also involved in providing incident command system training to other state agencies.

## Forest Stewardship

Approximately 50% of forested land in Hawaii is privately owned. In 2004, approximately \$400,000 in State derived funds was granted to landowners throughout who, through active forest management, are providing an array of benefits and services to the people such as reforestation degraded agricultural areas, reducing erosion, habitat preservation for threatened & endangered species, watershed protection, recreation, and numerous educational opportunities. During the past year, approximately thirty-two landowners were managing approximately 11,000 acres according to approved Forest Stewardship Management plans.

## Forest Health Protection

DOFAW in collaboration with USDA-FS and private entities uses biocontrol and exploratory applications on specific pest species, to reduce the effects of non-native plants on fragile forest ecosystems. DOFAW continues to survey for pests and to provide assistance to other government agencies, private entities, and the public, through technical advice and training.

## American Heritage Rivers Initiative

The Hanalei Watershed Hui has been established as a community non-profit to implement a community authored Watershed Action Plan for the Hanalei Bay area. Established in 1999 as the Hanalei Heritage River Program, the organization is currently focused on the reduction of bacterial and sediment pollution in the streams and rivers of the watershed as well as the coral reefs of the Hanalei Bay. 2004-2005 projects include a cooperative AnnAGNPS model for the upper watershed and development of TMDL for the Hanalei Estuary. The Hui is implementing BMP's to reduce bacterial contributions by installing septic systems in strategically located residential areas and check gates in the ditches leading from taro lo'i to the Hanalei River. Guided by the watershed management principles of traditional ahupua'a, and the 'olelo no'eau, e malama kumu wai, "protect the source", the Hanalei Watershed Hui is committed to sharing its experience and understandings and maintains an informative web site at: [www.hanaleiwatershedhui.org](http://www.hanaleiwatershedhui.org).

## Forest Lands Enhancement Program

This program has taken several years to become integrated into the State landowner assistance program. However, in this past year 98% of all FY 03 funds were allocated and this resulted in seven \$10,000 and one \$20,000 projects on three of the main islands in the State. Approximately, 60% of these funds were used for restoration project and about 35% went towards educational oriented projects. This Program is very popular in Hawaii and there continue to be many requests for these funds. We hope this program is given the support it deserves in the future because it fills an important gap between Stewardship and Urban forestry.

## Conservation Education

The Conservation Education program seeks to increase conservation literacy among school-aged children as well as the general public. This past year the Conservation Education program has been working on producing a series of artistic educational posters depicting forest resources (native birds, native plants, and native urban trees.) These posters are meant to highlight several Cooperative programs such as Fire Protection & Urban and Community Forestry and show that Hawaiian forests are more than trees.

### For more information contact:



Paul Conry, Administrator  
Division of Forestry and Wildlife  
1151 Punchbowl St., Rm 325  
Honolulu, HI 96813  
Phone: (808) 587-0166

Leigh Beck, Director  
State & Private Forestry  
USDA Forest Service  
Telephone: 707-562-8918  
Fax: 707-562-9054  
Email: lbeck@fs.fed.us

