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Public Sector Forestry Projects
Funded by the U.S. Agency for International Development

Compiled by the
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PUBLIC SECTOR FORESTRY PROJECTS
FUNDED BY THE U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT

Introduction

This report consists of two parts: 1) an overview of forestry project activity funded by the U.S. Agency for International Development (AID), and 2) a list and brief description of the projects by region and country. The report is limited to public sector projects and does not attempt to cover support to private forest enterprises or centrally funded research and support projects. The list includes forestry projects and projects with significant forestry components.

Overview of AID Forestry Projects

The Agency for International Development (AID) administers a large portion of American foreign aid and is the principal American Government organization designing and funding development projects in the Third World. The goal of AID is to assist the people in less developed countries (LDC's) to acquire the knowledge and resources to build a better life through such programs as food production, population planning, health and nutrition, education, and management of natural resources. With an annual budget of about \$1.9 billion in Development Assistance funds, AID supports projects in Africa, Asia, Latin America and the Caribbean, and the Near East in a total of sixty-eight countries.

In 1979 Congress authorized and encouraged AID to increase attention to forest resources depletion and associated soil and water deterioration. Currently AID supports 85 public sector forestry projects and projects with forestry components in 35 countries. The current ongoing life of project forestry obligations are \$279 million; an additional \$57 million of forestry activities are planned. Current annual forestry obligations are about \$52 million. The following table summarizes the forestry obligations by region.

Region	Life of Project Forestry Obligations (\$000)		Approximate Annual Forestry Obligations (\$000)	
	Current	Planned	Current	Planned
Africa	73,077	14,960	13,559	2,525
Asia	136,005	24,000	25,696	4,319
Latin America and the Caribbean	69,795	17,850	12,990	3,219
Total	278,877	56,810	52,245	10,000

To accomplish its goal of improving the quality of life in less developed countries, the AID forestry program focuses on meeting the needs of rural people. Typical projects address the local production and utilization of wood as sources of energy and rough construction material by supporting the establishment of village, communal or small private woodlots. A number of forestry projects also provide support for sustained increases in agricultural production by building terraces, promoting intercropping of trees and farm crops and by planting windbreaks. The AID forestry program also recognizes the institutional needs of the host countries and therefore projects often include components in institutional capacity building, training, infrastructure development, technical assistance and research.

Africa

Africa is typified by numerous, small projects. There are now 49 ongoing forestry projects or components in 17 countries with a life of project cost of \$73 million (about \$14 million annually). Twelve of these are regional projects. The average life of project obligation per project is about \$1.5 million. Four additional projects are being planned. Project activities stress community woodlots, reforestation, institution building and resource inventory.

Asia

Of the four regions, funding for forestry projects is greatest in Asia. Currently there are 19 forestry projects or components with life of project obligations of \$136 million (\$26 million annually) in seven countries. Four additional projects are planned. Institution building, community forestry, terracing and reforestation for fuelwood and for erosion control are the primary project activities. The trend in Asia is one of increasing expenditures on a few, large-scale forestry projects.

Latin America and the Caribbean

AID supports 17 forestry projects or project components in nine countries in this region with a life of project cost of \$70 million (about \$13 million annually). Five additional projects are planned. Major activities focus on watershed management, tropical forest management, agroforestry, reforestation and research on fuelwood production.

Near East

There are no ongoing or planned forestry projects in the Near East region.

AID FORESTRY PROJECTS LIST 1

AFRICA

<u>Country</u>	<u>Project Title</u>	<u>Project No.</u>	<u>Description</u>	<u>Status</u>	<u>Period</u>	<u>USAID Costs (\$000)</u>	
						<u>Total Project</u>	<u>Forestry Component</u>
<u>Regional Projects</u>							
Africa	Environmental Training and Resource Management	698-0427	Establishment of training programs in environmental planning and resource management; strengthening institutional capabilities in environmental data base management; identification of priority environmental problems; monitoring environmental trends. Forestry component: workshops in soil conservation (Kenya), agroforestry (Niger), desertification (Sudan) and land use planning (Tanzania).	Ongoing	'80-'85	8,500	500
Africa	Energy Initiatives for Africa	698-0424	Strengthening of institutional capabilities to plan and implement sound energy programs. Forestry component: addresses problems of deforestation, inefficient energy use and lack of development of indigenous energy resources; includes tree nurseries and woodlots.	Ongoing	'82-'87	17,500	11,400
Africa	African Manpower Development Program (Phase II)	698-0433	Graduate and technical training in the United States and Africa in various development fields including forestry.	Ongoing	'82-'86	27,125	500
West Africa	Regional Remote Sensing	698-0420	Training of planners and managers to utilize satellite imagery in planning, implementing, and monitoring agricultural, forestry, range and groundwater development projects.	Ongoing	'78-'83	2,525	1,600
East Africa	Regional Remote Sensing	698-0414	[same as above]	Ongoing	'78-'83	2,364	1,600

1 Notes: a) See Appendix 1 for abbreviations used in the tables.
 b) Costs given in parentheses are estimates for planned projects.

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<u>Country</u>	<u>Project Title</u>	<u>Project No.</u>	<u>Description</u>	<u>Status</u>	<u>Period</u>	<u>USAID Costs (\$000)</u>	
						<u>Total Project</u>	<u>Forestry Component</u>
Sahel	Sahel Water Data and Network Management II	626-0940	Complete development of agrometeorological and hydrological data system. Forestry component: natural resource climatological data collection.	Ongoing	'82-'87	7,000	700
Sahel	NAS Advisory Committee on the Sahel	625-0929	Conduct baseline study and develop strategy to rehabilitate Sahelian ecosystems. Increase the stability and productivity of agro-sylvo-pastoral systems.	Ongoing	'81-'83	285	285
Sahel	Gambia River Basin Development	625-0012	Technical assistance in natural resource evaluations and studies. Creation of an effective planning division. Forestry component: environmental management and planning.	Ongoing	'81-'86	13,400	2,680
Sahel	Niger River Basin Development Planning	625-0915	Establishment of the analytical base and planning framework for the preparation of the basin plan for forestry/natural resources management.	Ongoing	'78-'85	1,800	180
Sahel	Niger River Basin Planning	625-0944	Develop institutional capability to do coherent river basin development planning.	Ongoing	'82-'87	10,000	1,000
Sahel	OMVS Integrated Development	625-0621	Increase and secure agricultural production. Forestry component: reforestation studies; tree seedling supply for village woodlots and windbreaks.	Ongoing	'82-'88	62,000	6,200
Sahel	AID Coordination and Planning	625-0911	Support to Club de Sahel Secretariat in Paris, to CILSS in Ouagadougou, to FAO for technicians for project design and implementation, and to Sahel Institute in Bamako. Forestry subprojects include: 1) VITA/Wood stoves-development and testing of efficient wood stoves, training and data gathering and exchange, and 2) CILSS Ecologist-planning and environmental programs and computer modeling of fuelwood needs.	Ongoing	'78-cont.	12,700	1,418

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						<u>Total Project</u>	<u>Forestry Component</u>
<u>Country Projects</u>							
Burundi	Bururi Forest	695-0105	Preservation of two natural high altitude forests. Development of new sources of fuelwood and construction timber.	Ongoing	'81-'84	1,140	1,140
Botswana	Renewable Energy Technology	633-0209	Introduction of village renewable energy technologies. Forestry component: training of extension agents, promotion of wood conservation, development of woodlots.	Ongoing	'80-'85	3,300	1,700
Botswana	Rural Sector Grant (AE-15)	633-0077	Employment generation, planning, and rural development activities. Forestry component: land use planning including future water development, utilization and management of wildlife, establishment of nurseries and woodlots and rural afforestation.	Ongoing	'80-'86	3,800	870
Cape Verde	Watershed Management	655-0006	Watershed management planning and establishment of a pilot agricultural extension service. Forestry component: nursery establishment in support of re-forestation for erosion control.	Ongoing	'80-'84	6,300	630
Gambia	Forestry Project	635-0205	Increase efficiency of production and utilization of wood products. Establishment of 1,300 ha. of plantations in ten village woodlots; increase sawmill productivity; and promote use of improved wood stoves.	Ongoing	'79-'84	1,600	1,600
Gambia	Mixed Farming and Resource Management	635-0203	Integration of crop and livestock production. Forestry component: land management and institution building.	Ongoing	'79-'84	6,000	1,800

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						<u>Total Project</u>	<u>Forestry Component</u>
Gambia	Soil and Water Management Unit	635-0202	Natural resources planning and institution building. Development of policies and programs for improved soil and water management practices. Development of technical guides and training.	Ongoing	'79-'85	2,300	460
Gambia	Forestry Management and Institutional Development	635-0220	Long-term technical assistance in forest planning and management. Long-term participant training, short-term and on-the-job training.	PID prep.	'84-'89	(4,000)	(4,000)
Guinea	Community Forestry - School Tree Nursery (an AIP sub-project)	698-0410.35	Provision of fast growing trees for fuelwood, forage, and erosion control. Establishment of two experimental nurseries; training in nursery science and extension methods.	Ongoing	'81-'84	460	460
Guinea	Renewable Energy Technology	675-0208	Two-year pilot project to field test and evaluate alternative energy sources and improved wood and charcoal stoves. Upgrade research facilities on alternate sources of energy and technology.	Ongoing	'83-'84	500	100
Kenya	Renewable Energy Development	615-0215	Development and dissemination of renewable energy technologies, and energy planning. Forestry component: institution building, agroforestry and fuelwood production on small holdings.	Ongoing	'80-'84	4,800	2,200
Kenya	Kitui Arid and Semi-Arid Land Development	615-0172	Natural resource planning, data collection, and remote sensing. Forestry component: planning of 8 nurseries in support of reforestation for erosion control and for timber production.	Ongoing	'79-'84	13,000	190

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Lesotho	Renewable Energy Technology	632-0206	Research and development of renewable energy technologies. Forestry component: energy conservation through the use of efficient wood stoves.	Ongoing	'79-'84	1,600	160
Mali	Land Use Inventory	688-0205	Natural resource inventory and evaluation incorporating information on soil, vegetation, water, and present land use.	Ongoing	'79-'84	4,994	220
Mali	Renewable Energy	688-0217	Research and development of renewable energy sources. Forestry component: studies of biomass fuels and efficient wood stoves.	Ongoing	'79-'84	4,300	820
Mali	Village Reforestation (an AIP subproject)	625-0937.9 and 688-0937	Establishment of two nurseries and of experimental and demonstration plots; promotion of village woodlots and improved woodburning stoves.	Ongoing	'81-'86	655	655
Mali	Agricultural Enterprise Development	688-0231	Increase participation of private sector in agro-industry. Forestry component: assistance to private entrepreneurs in commercial tree nurseries.	pre-PID	'84-'88	(11,800)	(500)
Mauritania	Guidemaka Integrated Rural Development	682-0201	Increasing crop and animal yields. Forestry component: nursery establishment to provide trees for forage, shade, windbreaks, fences, and soil stabilization.	Ongoing	'79-'83	6,100	179
Niger	Forest and Land Use Planning	683-0230	Institution building, research, and planning. Establishment of 2 resource management planning units, nation-wide inventory, plans for 63 forest reserves, and 16 model forestry/conservation sites.	Ongoing	'80-'84	3,600	3,600

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						<u>Total Project</u>	<u>Forestry Component</u>
Niger	Rural Sector Human Resource Development	683-0226	Strengthening of institutional capability to train rural development personnel with emphasis on professional midlevel training. Forestry component: training in forestry, ecology and environmental science.	Ongoing	'79-'84	5,000	250
Niger	Niamey Department Development II	683-0240	Establishment of self-managed village organizations and farms for increased food production. Forestry component: forestry extension and community forestry for soil and water conservation. Establishment and management of three forest nurseries.	Ongoing	'81-'86	13,600	458
Rwanda	Renewable/Improved Traditional Energy (an AIP subproject)	698-0410.22	Relieve pressure on fuelwood supply by promoting improved charcoal production method, and more efficient woodburning and charcoal stoves.	Ongoing	'79-'83	488	125
Senegal	Africare Village Woodlot	685-0247	Establish 20-28 village woodlots of about 9 ha. each.	Ongoing	'80-'83	211	211
Senegal	National Plan for Land Use and Development	685-0233	Preparation of a national plan for management of natural and human resources. Training in remote sensing and mapping. Inventory of natural resources.	Ongoing	'81-'85	2,000	2,000
Senegal	Fuelwood Production	685-0219	Reforestation of 3,000 ha.; nursery development; training.	Ongoing	'79-'83	3,100	3,100
Senegal	Renewable Energy (an AIP subproject)	625-0937.07	Charcoal kiln training; construction of prototype woodstove and training of extension workers to build it and demonstrate its use.	Ongoing	'81-'83	300	300

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						<u>Total Project</u>	<u>Forestry Component</u>
Senegal	SODESP Livestock Production	685-0224	Livestock production and marketing. Range management, research and monitoring. Forestry component: 300 ha. of reforestation around each of four major water points, tree planting around settlements, and forest management training.	Ongoing	'79-'83	8,000	80
Somalia	CDA Forestry Phase I - Refugee Areas	649-0122	Establish tree seedling supply services and undertake expanded tree planting for fuelwood and shelterbelts, beginning in and near refugee camps. Establish up to 25 new nurseries and 6 large-scale fuelwood plantations.	Ongoing	'82-'85	6,000	6,000
Sudan	Village Renewable Energy	650-0041	Renewable energy research and development. Forestry component: charcoal production; development and field testing of wood stoves; woodlot establishment.	Ongoing	'81-'86	4,600	100
Sudan	Eastern Reforestation	650-0064	Establish 2 nurseries to provide seedlings to reforest approximately 10,000 ha. for fuelwood and agroforestry near refugee villages.	Ongoing	'82-'87	5,291	5,291
Sudan	Western Sudan Agricultural Research	650-0020	Community forestry; management of acacia gum stands.	Ongoing	'82-'84	26,000	1,300
Swaziland	FDA - Outreach (an AIP subproject)	698-0407.16	Technology dissemination, including technology on improved wood-burning stoves.	Ongoing	'80-'83	50	50
Tanzania	Village Environmental Improvement	621-0160	Integrated rural development. Forestry component: 10 ha. woodlots for each of 6 villages. Extension training.	Ongoing	'81-'84	500	93
Tanzania	Arusha Regional Planning and Village Development	621-0143	Integrated rural development. Forestry component: establishment of nurseries and 4,500 ha. of woodlots.	Ongoing	'76-'83	14,000	116

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						<u>Total Project</u>	<u>Forestry Component</u>
Upper Volta	Sequenga Integrated Rural Development	688-0231	Integrated rural development. Forestry component: nursery establishment (500,000 seedlings/yr.) and reforestation of 150 ha.	Ongoing	'79-'83	5,000	250
Upper Volta	Agriculture Human Resources Development	686-0221	Construction of educational facilities and teaching. Forestry component: training.	Ongoing	'79-'83	9,500	2,400
Upper Volta	Village Forestry Extension (an AIP subproject)	625-0937.08	Establishment of 10 small-scale nursery/plantation sites. Villager training. Pilot agroforestry activities.	Ongoing	'80-'83	50	50
Upper Volta	Yatenga Agriforestry (an AIP subproject)	625-0937.08	Establishment of village nurseries and windbreaks; construction and demonstration of stoves. Fuelwood production.	Ongoing	'81-'83	56	56
Upper Volta	Forestry Education and Development	686-0235	Expansion and improvement of forestry training center. Management planning for a 6,000 ha. national forest. Reforestation for fuelwood (75% of funds).	Ongoing	'79-'84	6,000	6,000
Upper Volta	Strengthening Volunteer Support	686-0250	Health improvement and agricultural extension through PVO's. Forestry component: reforestation.	pre-PID	'83-'87	(2,300)	(460)
Upper Volta	Forestry Resource Management	686-0256	Planning and management of national forests. Training. Promotion of soil, water, and energy conservation.	pre-PID	'84-'89	(10,000)	(10,000)

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ASIA

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						<u>Total Project</u>	<u>Forestry Component</u>
<u>Regional Projects</u>							
ASEAN Countries	ASEAN Watershed Project	498-0258.03	Develop an ASEAN Watershed management research network.	Ongoing	'83-'89	3,000	3,000
Asia	Forestry and Bioresource System Management	498-0276	Promote the research and management of fuelwood systems in Asia.	PID	'84-'89	(5,000)	(5,000)
<u>Country Projects</u>							
Bangladesh	Rural Energy Sector	388-0057	Development of conventional and non-conventional energy sources. Forestry component: enhancement of fuelwood availability, improvement of traditional methods and introduction of appropriate devices to conserve fuel.	PID	'84-'90	(20,000)	(2,000)
India	Madhya Pradesh Social Forestry	386-0475	Community-based forestry for fuelwood and other forest products, with a goal of reaching 5,000 villages and of planting 115,000 ha. Institution building.	Ongoing	'81-'87	25,000	25,000
India	Maharashtra Social Forestry	386-0478	Strengthening of social forestry extension, especially village woodlot organization and management, with goals of reaching 4,300 villages and planting 81,000 ha. of trees.	Ongoing	'83-'87	25,000	25,000
India	Alternative Energy Resources	386-0474	Technical collaboration in the areas of coal technology, transport efficiency, and biomass conversion. Forestry component: woody biomass production and conversion.	Ongoing	'82-'86	5,000	2,300

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						<u>Total Project</u>	<u>Forestry Component</u>
India	Forestry Education, Training and Research	386-0488	Technical, financial, and training assistance to the major forestry research institutes and to selected state level colleges.	PID	'84-'89	(6,000)	(6,000)
India	Hill Areas Land and Water Development	386-0489	Maximization of hill area agricultural production. Forestry component: afforestation and watershed management.	PP prep.	'84-'88	(34,000)	(11,000)
Indonesia	Citanduy II	497-0281	Institution building to design and implement a comprehensive water management program. Forestry component: watershed reforestation of 42,800 ha.	Ongoing	'80-'86	27,000	3,300
Indonesia	Applied Agricultural Research	497-0302	Agricultural research toward achieving food self-sufficiency. Forestry component: forestry research institution building.	Ongoing	'80-'84	25,800	3,000
Indonesia	Eastern Islands Agricultural Education	497-0293	Improvement of education in agriculture and forestry.	Ongoing	'79-'84	7,500	1,600
Nepal	Resource Conservation and Utilization	367-0132	Arrestment of environmental degradation in two watersheds. Forestry components: establishment of tree nurseries, village plantations, and improved stove technologies. Plantation of 10,300 ha. for fuelwood and watershed protection.	Ongoing	'80-'85	27,500	4,500
Nepal	Rural Area Development, Rapati Zone	367-0129	Increase, broaden, and diversify level of economic and social activity. Forestry component: institution building, watershed improvement, community forestry, establishment of 9,400 ha. of plantations.	Ongoing	'80-'85	26,700	3,200

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						<u>Total Project</u>	<u>Forestry Component</u>
Nepal	Agriculture Resource Inventory	367-0134	Creation of a remote sensing center for natural resource inventory and planning.	Ongoing	'80-'84	2,400	2,400
Pakistan	Forestry Planning and Development	391-0481	Institution building, inventories, market analyses, fuelwood planting programs, and nursery establishment.	Ongoing	'83-'91	25,000	25,000
Philippines	Rainfed Resource Development	492-0366	Develop community-based management of land and water resources in settled upland forest, rainfed agricultural areas, and coastal zones. Forestry component: agro-forestry.	Ongoing	'82-'89	10,000	1,400
Philippines	BICOL Integrated Area Development III	492-0289	Improvement of irrigation and drainage systems and farming organizations and practices; improved farming methods, and better management of public forestland. Forestry component: agroforestation and watershed development, including reforesting 800 ha. of watersheds and planting 180 ha. of woodlots.	Ongoing	'79-'85	5,000	318
Philippines	Nonconventional Energy Development	492-0294	Pilot demonstration projects to exploit non-conventional energy resources. Forestry component: construction of dendro-thermal plants, establishment of energy plantations, and construction of pyrolytic converters.	Ongoing	'78-'83	10,200	4,500
Philippines	Rural Energy Development	492-0375	Assist in economically and environmentally sound production and use of biomass energy resources and technologies: wood-fired power plants, gasifiers for irrigation, and charcoal production (includes 19,500 ha. of plantations).	Ongoing	'82-'84	25,000	25,000

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<u>Country</u>	<u>Project Title</u>	<u>Project No.</u>	<u>Description</u>	<u>Status</u>	<u>Period</u>	<u>USAID Costs (\$000)</u>	
						<u>Total Project</u>	<u>Forestry Component</u>
Sri Lanka	Reforestation and Watershed Management	383-0055	Reforestation, agroforestry, and watershed management. Tree planting on 50,000 acres.	Ongoing	'80-'85	4,400	4,400
Thailand	Renewable Nonconventional Energy	493-0304	Development of institutional capacity to perform and sustain energy policy planning, and the testing, adaptation, and dissemination of renewable energy technologies relating to rural needs. Forestry component: establish 960 ha. of village woodlots; assessment of biomass resource; and introducing and testing biomass energy technologies.	Ongoing	'79-'84	10,000	1,400
Thailand	Northeast Rainfed Agricultural Development	493-0308	Establish eight replicable agricultural development programs. Forestry component: development of village woodlots (800 ha.) and watershed management programs.	Ongoing	'81-'88	10,000	316
Thailand	Mae Chaem Watershed Development Project	493-0294	Improve rural income and social services, and reduce deterioration of watersheds. Forestry component: watershed management including fire protection and village woodlots. (120 ha.)	Ongoing	'80-'87	10,000	371

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LATIN AMERICA AND THE CARIBBEAN

<u>Country</u>	<u>Project Title</u>	<u>Project No.</u>	<u>Description</u>	<u>Status</u>	<u>Period</u>	<u>USAID Costs (\$000)</u>	
						<u>Total Project</u>	<u>Forestry Component</u>
<u>Regional Projects</u>							
Central America	Fuelwood and Alternative Energy Resources	596-0089	Test and provide new energy efficient technologies for use in homes and in small to medium industries. Forestry component: identify areas of critical fuelwood shortage, test species of fast-growing trees and shrubs for use as fuel and develop improved fuelwood management practices.	Ongoing	'79-'85	7,500	4,300
Central America	Watershed Management	596-0106	Improve training in watershed management and institutional capability for managing the region's watershed resources.	Ongoing	'83-'88	6,000	6,000
Caribbean	Basic Human Needs/Employment	538-0030	Improve the economic and social status of lower income groups through the implementation of a more efficient system for executing labor intensive projects. Forestry component: reforestation for soil and water conservation, 6 projects.	Ongoing	'79-'84	12,500	638
Caribbean	Alternative Energy Systems	538-0032	Develop a capability to utilize renewable energy sources; encourage energy conservation measures. Forestry component: biomass resource assessment, research support, and field test projects.	Ongoing	'79-'84	7,600	487

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						<u>Total Project</u>	<u>Forestry Component</u>
<u>Country Projects</u>							
Bolivia	Chapare Integrated Rural Development	511-0566	Agribusiness, infrastructure improvement, production marketing, institution building. Forestry component: forest land capability assessment; designation of agroforestry lands and protection lands; forest industrialization and marketing.	PP prep	'83-'85	(15,300)	(1,500)
Costa Rica	Natural Resources Conservation	515-0145	Policy analysis and research, management plans, educational and promotional programs, training, and pilot management activities. Forestry component: utilization and management of humid tropical forests.	Ongoing	'79-'84	9,800	2,500
Dominican Republic	Natural Resource Management	517-0126	Training, policy formulation, and preparation of natural resource plans. Forestry component: pilot reforestation projects for erosion control on 800 ha. Watershed management, agroforestry, and institution building. Environmental education.	Ongoing	'81-'86	11,000	4,500
Dominican Republic	Energy Conservation and Resource Development	517-0144	Develop a national energy investment plan and an energy conservation program; develop alternative fuel energy sources. Forestry component: develop fuelwood energy sources.	Ongoing	'82-'97	16,000	2,300
Dominican Republic	Forestry Conservation and Development	-----	Strengthening of national forest service and private sector forestry; reforestation; training.	PID prep	'84-'90	(15,000)	(15,000)
Ecuador	Integrated Rural Development	518-001?	Institution building and technical assistance in irrigation. Forestry component: soil and water conservation through reforestation.	Ongoing	'80-'84	11,800	590

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<u>Country</u>	<u>Project Title</u>	<u>Project No.</u>	<u>Description</u>	<u>Status</u>	<u>Period</u>	<u>USAID Costs (\$000)</u>	
						<u>Total Project</u>	<u>Forestry Component</u>
Ecuador	Forestry Sector Development	518-0023	Forestry institution strengthening, highland reforestation, humid tropical forest management, watershed management planning and arid zone tree species trials.	Ongoing	'82-'88	8,100	8,100
El Salvador	Public Sector Employment	519-0256	Employment generation through labor intensive projects. Forestry component: reforestation of 2,600 ha. and soil conservation.	Ongoing	'80-'82	11,900	4,900
Guatemala	Altiplano Agricultural Development	520-0274	Improvement of productive resource in Altiplano. Forestry component: reforestation of 1,000 ha. of municipal land, 500 ha. of forest belts and 1,000 ha. on small farms.	PP prep	'82-'88	(7,100)	(250)
Haiti	Integrated Agricultural Development	521-0078	Institution building and irrigation technical assistance. Forestry component: soil and water conservation, watershed management; institution building.	Ongoing	'76-'84	12,000	3,000
Haiti	Agroforestry Outreach	521-0122	Plantation of 6-9 million trees on small farms and communal holdings for production of fuelwood as a cash crop and for soil conservation. Implemented by private voluntary organizations.	Ongoing	'81-'85	8,000	8,000
Honduras	Forestry Development	522-0172	Forest policy dialogue, institution strengthening, technology transfer and private enterprise development.	PID re-design	undetermined	undetermined	undetermined
Honduras	Natural Resource Management	522-0168	Natural resource institution building. Increase rural income through soil and water conservation programs by introducing modified agricultural and forestry practices.	Ongoing	'80-'85	15,000	12,000

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<u>Country</u>	<u>Project Title</u>	<u>Project No.</u>	<u>Description</u>	<u>Status</u>	<u>Period</u>	<u>USAID Costs (\$000)</u>	
						<u>Total Project</u>	<u>Forestry Component</u>
Jamaica	Energy Sector Assistance	532-0065	Strengthen institutional capacity to plan and manage energy programs, expand energy conservation programs, and institute programs in alternative energy. Forestry component: forest resource energy assessment and fuelwood species trials.	Ongoing	'81-'86	14,000	290
Panama	Watershed Management	525-0191	Institution building, soil and water conservation education, and establishment of watershed management programs on three watersheds. Forestry component: reforestation of 10,500 ha.	Ongoing	'79-'83	10,000	5,500
Peru	Central Selva Resource Management	527-0240	Sustained production in the Palcazu Valley; test and institutionalize a methodology for long range management of high forest and natural resources. Forestry component: sustained yield management of natural forests, high value timber species, and rubber by strip clearcutting and small group selection. Designation of natural resource protection land.	Ongoing	'82-'85	22,000	6,200
Peru	Watershed Management	527-0214	Increase agricultural production by adopting irrigation systems, fostering appropriate agricultural practices, and improving pasture management. Forestry component: management of natural vegetation and forest plantations in upper watersheds.	PP prep.	'83-'88	(11,000)	(1,100)
Peru	SEPAS Reforestation Food for Work	OPG 527-0206	Reforestation and soil stabilization in highlands utilizing Food for Peace.	Ongoing	'80-'84	490	490

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Appendix 1

List of Abbreviations

AIP	Accelerated impact project
ASEAN	Association of Southeast Asia Nations
CDA	Concerted Development For Africa
CILSS	Comite Permanent Inter-etats de Lutte Contre la Secheresse au Sahel
IRD	Integrated rural development
NAS	National Academy of Sciences
OMVS	Organisation pour la Mise en Valeur du Fleuve Senegal
PID	Project identification document
PP	Project paper
PVO	Private voluntary organization
RDA	Rural development area
SEPAS	Servicio Evangelico Peruano de Accion Social
SODESP	Societe pour la Development d'Elavage Dans la Zone Sylvo-Pastoral

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