

PN-ABA-055
11/26/57

United States
Department of
Agriculture

Forest
Service

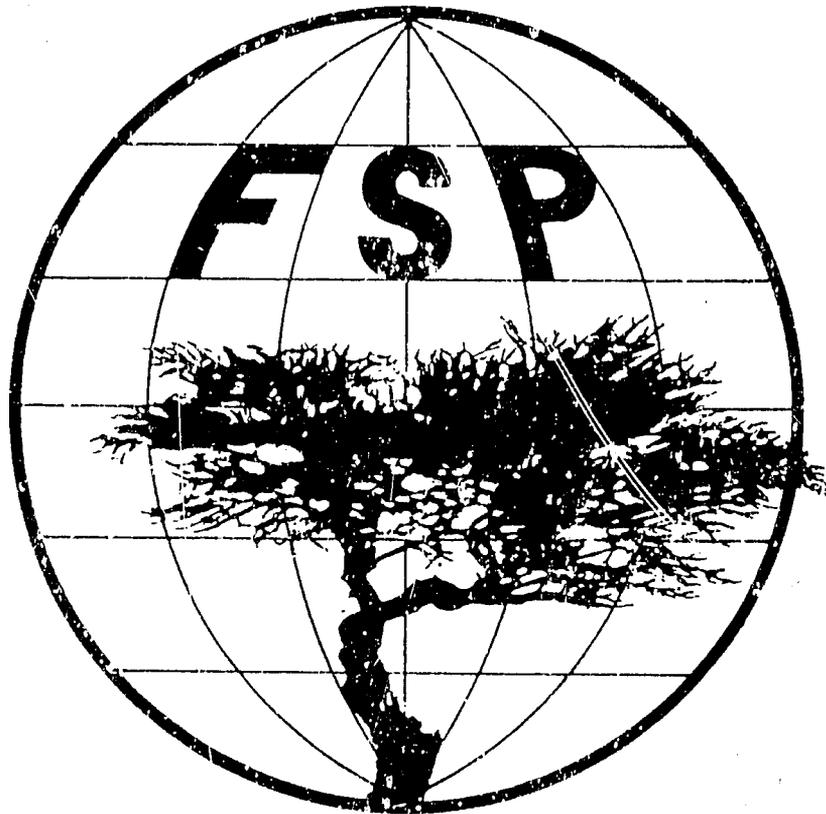
International
Forestry

Agency for
International
Development



Forestry Activities Supported by the U. S. Agency for International Development

936-5519



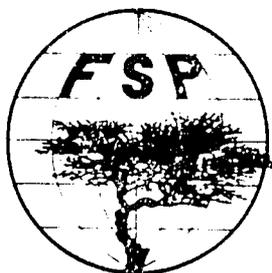
PJ-NBA-055

idea 

FINAL REPORT:

**FORESTRY ACTIVITIES
SUPPORTED BY THE
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT**

Submitted to the



FORESTRY SUPPORT PROGRAM

Prepared by
INTERNATIONAL DEVELOPMENT AND ENERGY ASSOCIATES, INC. (IDEA)

David Lowe/Project Manager

under USDA/OICD Purchase Order No. 40-519R-7-00890

May 1988

This report was prepared under coordination of the
Forestry Support Program
which is jointly managed by the
U.S. Department of Agriculture's
Office of International Cooperative Development
and
U.S. Forest Service, International Forestry Staff
under funding from the
Office of Forestry, Environment, and Natural Resources,
Bureau for Science and Technology,
U.S. Agency for International Development
through (RSSA BST-5519-R-AG-2188).

TABLE OF CONTENTS

	PAGE
ACKNOWLEDGEMENTS	ii
GLOSSARY OF ABBREVIATIONS	iii
1. EXECUTIVE SUMMARY	1
2. INTRODUCTION	2
3. FORESTRY ACTIVITIES IN REGIONAL AND COUNTRY PROJECTS	4
3.1 Patterns of AID Bilateral Projects	4
3.2 Scope of Bilateral Forestry Activities	5
3.3 Types of Project Activities	9
3.4 Regional Analysis of Forestry Activities in Bilateral Projects	12
3.4.1 Regional Distribution of Projects and Obligations	12
3.4.2 Africa	14
3.4.3 Asia and the Near East	15
3.4.4 Latin America and the Caribbean	16
4. FORESTRY ACTIVITIES IN CENTRAL BUREAU PROJECTS	17
4.1 Forestry Support Program	17
4.2 Forestry Research Grants	18
4.3 Biological Diversity Program	19
4.4 Forestry & Fuelwood Research and Development Project	19
4.5 Other Central Bureau Projects	20
5. FORESTRY ACTIVITIES SUPPORTED BY FOOD AID PROGRAMS	21
5.1 Overview	21
5.2 Africa	24
5.3 Asia and the Near East	25
5.4 Latin America and the Caribbean	26
A. APPENDIX ONE: List of sources used to provide data for bilateral forestry database and this report	27
B. APPENDIX TWO: Bilateral Forestry Projects active during 1987, by Country	29
C. APPENDIX THREE: Bilateral Forestry Projects active during 1987, by Starting Year	36
D. APPENDIX FOUR: Bilateral Forestry Projects active during 1987, by contractor type	46
E. APPENDIX FIVE: Sample project description and database organization.	51

ACKNOWLEDGEMENTS

This report is the final product of contributions provided by many individuals and institutions whose knowledge, hard work, and guidance have helped to make all the activities leading up to this report a success. At the Agency for International Development, Daniel Deely and Dr. Carl Gallegos in the Bureau for Science and Technology, Office of Forestry, Environment, and Natural Resources (S&T/FENR) provided technical and editorial guidance, while administering the financial resources that made this possible.

Patrick Durst of the U.S. Department of Agriculture's Forestry Support Program (FSP) managed these funds and the contract under which this study was conducted, with technical support from his colleagues Timothy Resch and the geographical region coordinators, LeRoy Duvall (Africa), Katheryn Hunter (Latin America and Caribbean), and Richard Calnan (Asia and the Near East). Additional input was provided by FSP Program Manager, Gary Wetterberg, and other staff.

The Food Assistance database and the original version of the Bilateral Forestry Projects database were developed in 1987 and 1986 respectively by Shirley Birchfield. During the process of updating and revising the Bilateral Forestry Projects database in late 1987 assistance obtaining current data was provided by Frank Lin and Jeffrey Schweitzer of AID/PPC, Fran Gulick, and the AID Library staff. International Institute for Environment and Development staff Nels Johnson, Daniel Tunstall, and Janet Abramowitz provided biological diversity project descriptions, data, and analysis.

At International Development and Energy Associates (IDEA), various staff and consultants provided assistance during various phases of this project including revision of the Bilateral Forestry Projects database system, analysis of the data, documentation of the programs and writing of this report. These included Dr. Romir Chatterjee, Paul Hesse, Marjorie Collins, Airi Roulette, Ravi Purohit, Alex Singer, and Dean Mahin.

This report has been prepared by International Development and Energy Associates, Inc. (IDEA) under purchase order No. 40-319R-7-00890 issued by the U.S. Department of Agriculture's Office of International Cooperative Development (OICD) and coordinated by the Forestry Support Program (FSP). FSP is administered by OICD for AID. The Forestry Support Program is described in section 4.1 of this report.

- David Lowe, Project Manager
International Development and Energy Associates
May, 1988

GLOSSARY OF ABBREVIATIONS

AID	-Agency for International Development
" /AFR	-Africa Bureau of AID
" /ANE	-Asia and Near East Bureau of AID
" /LAC	-Latin America and Caribbean Bureau of AID
" /S&T	-Science and Technology Bureau of AID
" " /AGR	-Agriculture Office in S&T Bureau of AID
" " /FENR	-Forestry, Environment and Natural Resources Office in the S&T Bureau of AID
" " /RD	-Rural and Institutional Development Office in S&T Bureau of AID
" " /SCI	-Science Advisor's Office in S&T Bureau of AID
" " " /PSTC	-Program in Science and Technological Cooperation in the Science Advisor's Office in S&T Bureau of AID
" " " /CDR	-US-Israel Cooperative Development Research Program in the Science Advisor's Office in S&T Bureau of AID
" /PPC	-Program Policy and Coordination Bureau of AID
" " /CDIE	-Center for Development Information and Evaluation in Program Policy and Coordination Bureau of AID
BOSTID	-Board on Science and Technology for International Development (in National Academy of Sciences)
CGIAR	-Consultative Group on International Agriculture Research
DIS	-Document Information System in AID Library
FSP	-Forestry Support Program
FAO	-United Nations Food and Agriculture Organization
FAA	-Foreign Assistance Act
FFW	-Food For Work program
F/FRED	-Forestry and Fuelwood Research and Development project
ICRSAT	-International Center for Research on the Semi-Arid Tropics
ICRAF	-International Center for Research of Agro-Forestry
IDEA	-International Development and Energy Associates, Inc.
IIED	-International Institute for Environment and Development
IITA	-International Institute for Tropical Agriculture
ILCA	-International Livestock Center for Africa
IUCN	-International Union for the Conservation of Nature and Natural Resources
LOP	-Life-Of-Project obligations (funding level for the entire length of an AID project)
NAS	-National Academy of Sciences
NGOs	-Non-Governmental Organizations
PL480	-Public Law 480
PSC	-Personal Services Contract (AID contract to individual contractor(s))
PVOs	-Private Voluntary Organizations
UN/FAO	-United Nations Food and Agriculture Organization
USAID	-Agency for International Development Missions overseas
USDA	-US Department of Agriculture
" OICD	-Office of International Cooperation and Development in the US Department of Agriculture
WFP	-World Food Program (administered by UN/FAO)

I. EXECUTIVE SUMMARY

Forestry activities in developing countries are supported by the U.S. Agency for International Development (AID) through country-specific projects, regional projects, worldwide projects and food assistance projects. Funding for these activities is provided by AID Missions in the least developed countries, regional bureaus around the world, and central AID bureaus in Washington.

The study on which this report is based identified 162 projects with forestry or forestry-related activities, that were active in 1987 (excluding food aid projects). Combined funds obligated over the life of each project (Life-of-Project obligations) for forestry activities are estimated at \$604 million. This figure includes \$119 million in Africa where 52 of the 162 projects operated, \$275 million in Asia and the Near East supporting 41 projects, \$139 million in Latin America and the Caribbean with 50 projects, and \$69 million in 19 central bureau projects. These projects have been allocated between \$43 and \$73 million for forestry activities each year by AID, over the past few years.

In many food aid projects the proceeds from the concessional sale of U.S. agricultural commodities are used for forestry activities. In "food-for-work" projects, food is distributed directly to workers and villagers engaged in forestry activities. A recent survey identified 72 projects with forestry or natural resources components under the United Nations/Food and Agricultural Organization's World Food Program; most of these use food aid from the United States. U.S. food aid supports an additional 37 projects which include forestry and natural resources components.

2. INTRODUCTION

This report provides an overview of forestry activities carried out in several types of projects funded or supported by the U.S. Agency for International Development (AID). Forestry is defined here as "any activity that bears directly on the establishment, management, harvesting, manufacturing and other use of woody plants for materials, food, fuels, environmental protection and amenity values." Charcoal and wood stove development projects are not included unless they have a woodfuel production component, and then, only the woodfuel production aspects are considered in calculating the percent of funds obligated to forestry activities.

The core of AID's worldwide forestry program is a series of bilateral projects, each of which is carried out in a single developing country. These are funded primarily through AID Missions in the least developing countries, with technical and logistical support from regional bureaus, regional field offices, and central bureaus. Some of these bilateral projects focus exclusively on forestry activities, while there are substantial forestry components in many of the large agricultural, energy, and training projects. Country-specific and regional projects with forestry components are reviewed in section 3 of this report.

Several AID divisions in Washington operate multi-regional projects with forestry components. These provide support for the forestry activities of USAID Missions and AID regional bureaus and contribute to other important Agency objectives related to forestry. These "central bureau" projects are reviewed in Section 4 of this report.

In addition to these forestry activities funded directly by AID, the Agency contributes substantially to forestry projects in developing countries through the U.S. food aid program. In many countries, forestry activities are funded from the proceeds of the sale of food made available by AID, and in other cases the food is distributed directly to participants in forestry projects. Support of forestry activities through food aid is reviewed in section 5 of this report.

Information contained in this report is drawn primarily from three AID databases: (a) project summaries in the AID Library's Document Information System (DIS), (b) a database on forestry activities in AID bilateral projects updated and revised by IDEA, Inc. for the Forestry Support Program, and (c) an inventory of food aid-supported forestry projects which was prepared in 1987 for the Forestry Support Program by Shirley Birchfield. Other sources are noted in Appendix One.

The latter two databases provide a means by which AID staff in Washington can comprehensively track the progress of forestry activities funded by country Missions and regional offices in over 60 countries around the world and various offices in Washington-based central and regional bureaus. Reports such as this one are used to inform the public what AID is doing in forestry. The public has grown increasingly aware of tropical forest destruction and similar environmental and natural resource concerns in developing countries, and congress has demonstrated its concern through legislation. Several congressional amendments over the past decade require that U.S. institutions actively commit themselves to improving management and protection of: a) natural resources (1977 amendment to Foreign Assistance Act (FAA)), b) endangered species (1983 amendment to FAA), c) tropical forests and biodiversity (1988 revisions to FAA).

Section 118 of the FAA states that high priority should be given to supporting alternative human settlements strategies and economic activities which diminish the threat to tropical forests, encourage policies of conservation and sustained management of tropical forests, watersheds, and land use in general. It calls for support of training and research efforts which "lead to sustainable and more environmentally sound practices for timber harvesting, removal, and processing, including reforestation, soil conservation, and other activities to rehabilitate degraded forest lands," and to "expand knowledge of tropical forests and identify alternatives which will prevent forest destruction, loss, or, degradation, including research in agroforestry, sustainable management of natural forests, small-scale farms and gardens, small-scale animal husbandry, wider application of adopted traditional practices, and suitable crops and crop combinations."

3. FORESTRY ACTIVITIES IN COUNTRY-SPECIFIC AND REGIONAL PROJECTS

3.1 Patterns of AID Bilateral Projects

The Agency uses the term "project" to describe an authorized group of activities with specified objectives, inputs, outputs, cooperating agencies, contractors, and levels of planned funding over a period of several years. Most projects are limited to a single country and are planned and administered by the USAID Mission in that country. Additional assistance and support is provided through a series of regional projects. The Agency currently has a total of 2,283 active projects and is planning 1,145 additional projects according to the AID Library's Document Information System.

The pattern of operation and management of each single-country project is specified in the project agreement between the USAID Mission and the host government. Most projects provide assistance to a major national or regional agency in the developing country, although some projects involve several agencies. The primary cooperating agency usually has general management responsibility for the project, with appropriate coordination by the USAID Mission. The cooperating agency or agencies usually contribute various types of support for the project including personnel, facilities, and funding of local currency expenditures.

Most projects involve selection of one or more U.S. contractors by AID. The contractor provides resident and short-term personnel from the U.S. or third countries as well as other services and equipment. U.S. government agencies serve as "contractors" for some projects under two types of inter-agency agreements with AID (referred to as RSSAs and PASAs). Private sector contractors include universities, (non-profit) private voluntary organizations (PVOs), (for profit) private firms, and individuals serving under personal service contracts.

3.2 Scope of Bilateral Forestry Activities

The Forestry Support Program maintains a database on forestry activities in AID bilateral programs, which was revised and updated by IDEA, Inc. early in fiscal year 1988. This database lists 162 projects with some forestry component which were active during at least part of 1987. The total Life-Of-Project obligations for these projects was \$2.1 billion. Total obligations for the forestry components of these project are estimated at \$604 million. Additional information on these forestry activities by regions is provided in section 3.4 below.

The percentage of the total project funding devoted to forestry activities varies widely from project to project. An analysis of 154 of these projects indicates that 31 of the projects are devoted exclusively to forestry activities. In 17 other projects, 40 to 99% of the funding was for forestry. Obligations for forestry account for 20 to 39% of the funding in 31 projects, and less than 20% in 75 projects.

The total number of active AID projects with forestry components varies considerably from year to year as some projects are completed and new projects are undertaken. The initiation and completion of projects with forestry and natural resources components between 1979 and 1995 is indicated in Table 1.

TABLE 1

PROJECT STARTS/COMPLETIONS
AID PROJECTS WITH FORESTRY AND NATURAL RESOURCE ACTIVITIES

Fiscal Year	Africa		Asia/ Near East		Latin America/ Caribbean		Centrally Funded		Global Totals	
	New Starts	Comple- tions	New Starts	Comple- tions	New Starts	Comple- tions	New Starts	Comple- tions	New Starts	Comple- tions
1979	9		4		6		3		22	
1980	8		9		7		1		25	
1981	6		6		5		6		23	
1982	9		9	1	6		2		26	1
1983	8	4	7		8	1	2		25	5
1984	7	2	4	2	6	2	1		18	6
1985	9	10	5	3	9	3	3	2	26	18
1986	7	10	3	3	1	7	1	2	12	22
1987	3	3	1	6 *	3	13 **	1	1	8	23
-----PROJECTED-----										
1988	2	14	5	11	2	18		3	9	46
1989	1	6	4	8		3		3	5	20
1990		9		5		6		4		24
1991		8		5		3				16
1992		4		3						7
1993		4		3						7
1994		2		1		1				4
1995		2		5		1		1		9
TOTALS	69	78	57	56	53	58	20	16	199	208

* Includes one project terminated early in 1987 (Sri Lanka).

** Includes five projects terminated early during 1987 (4 in Panama, 1 in Haiti).

Estimated annual obligations between 1979 and 1989 for projects in the bilateral projects database are shown in Figure 1.

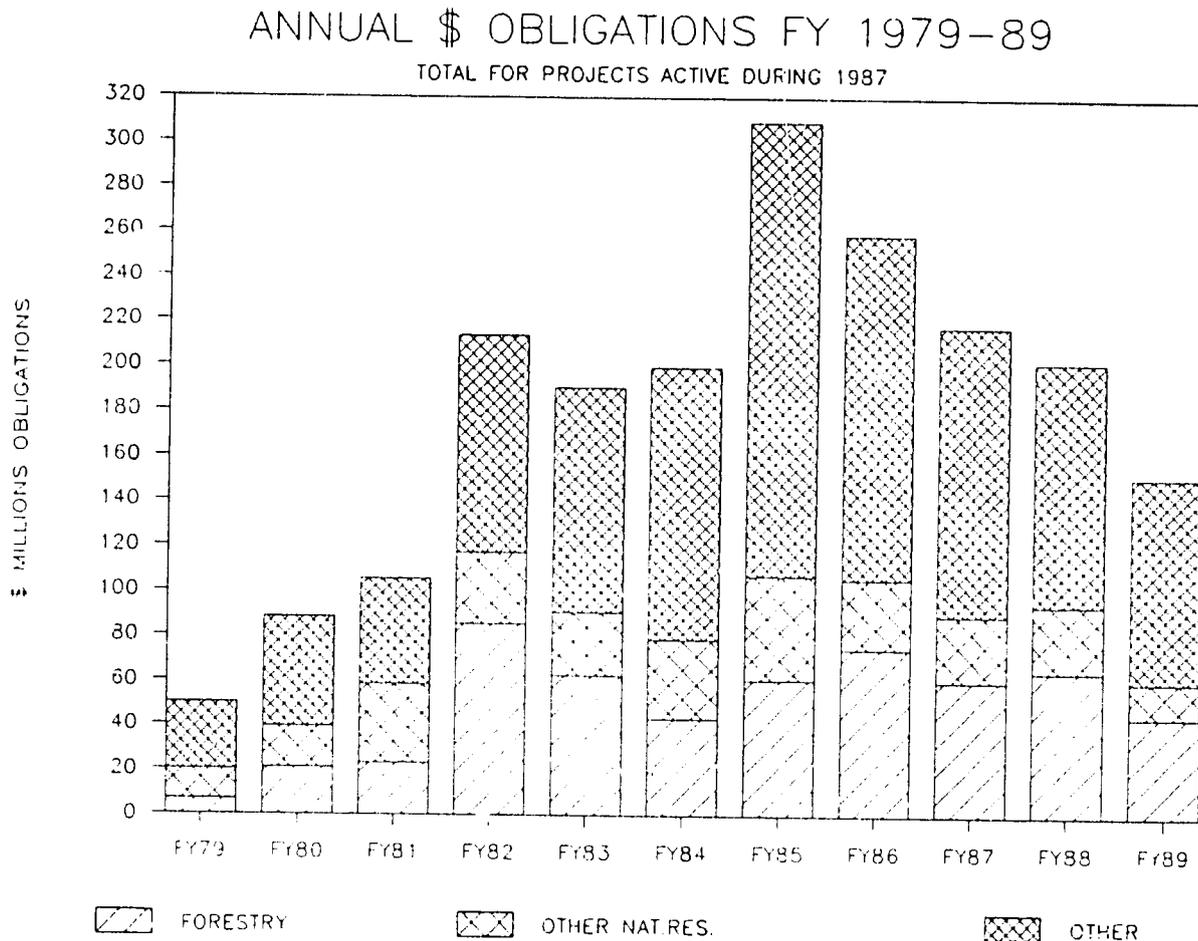


Figure 1: Annual fiscal obligations to forestry-related projects active anytime during 1987. Projections for fiscal year 1989 are preliminary and can not at this time accurately predict actual obligations during 1989.

AID's bilateral projects with forestry components are funded by several specific AID accounts, the most important of which is the food and nutrition account. It provided at least 43% of these funds between 1979 and 1989 (Figure 2). The Sahei account and Selective Development account were also important during this period, supplying 11% and 10% of these funds respectively.

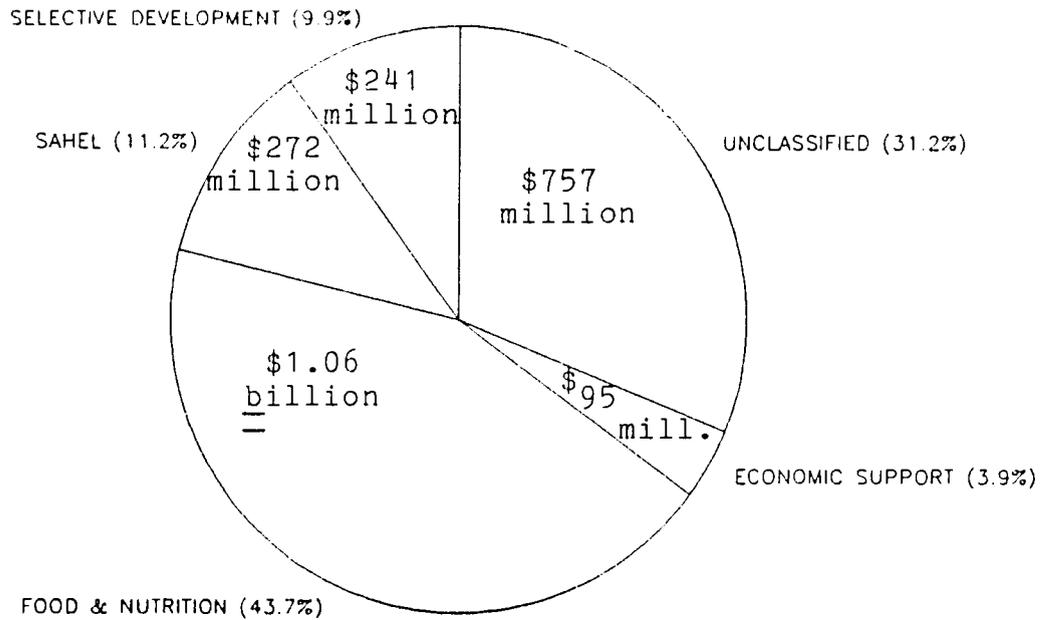


Figure 2 : Relative volume of funds obligated from various AID accounts to support forestry-related projects active during 1979-1989. (Figure represents the sum of all annual U.S. dollars obligated for the entire ten year period.) Unclassified indicates data unavailable.

Information on specific projects in this and subsequent sections of this report is illustrative of various categories of forestry activities but is not exhaustive. A complete list of bilateral projects with forestry components which were active during 1987 is provided in Appendix One.

The 31 bilateral projects which focus exclusively on forestry activities include a large social forestry project in India, a forestry planning project in Pakistan, a village reforestation project in Senegal, an Agroforestry Outreach Project in Haiti, and a regional tree crop project in Central America.

The majority of the other projects with forestry components provide a comprehensive package of development assistance in a specified region. A number of these are river basin development or watershed management projects such as the Bicol Integrated Area Development III (basin) project in the Philippines and the

Citanduy River Basin project in Indonesia. Reforestation activities play a crucial role in meeting the erosion control, soil conservation, and flood control objectives of such projects. In several countries, projects have focussed on upland areas; these include a hill areas project in India, a highland area project in northern Thailand, and a highlands agricultural development project in Guatemala.

3.3 Type of Project Activities

Many of the activities funded by AID under these projects are primarily related to institution-building and training. The projects strengthen the capacity of institutions and individuals in the developing country to plan and carry out effective forestry activities. An analysis by the International Institute for Environment and Development (IIED, 1988 Report to Congress) of 132 AID projects with forestry components indicates that institution-building and training was the primary activity in about half of the projects.

Technical and management assistance is provided to cooperating agencies by resident personnel and short-term consultants sent to the country by the project contractor(s). These natural resource specialists help train local project staff, select senior personnel for professional forestry training in the United States, and plan and conduct training workshops and courses for local technicians, workers, and villagers who are involved with forestry activities.

Some forestry projects require the training of large numbers of persons playing various roles in the project. A forestry planning and development project in Pakistan will train 427 persons, including 104 in degree programs at universities. The large social forestry projects in India have trained many extension workers; the project in Maharashtra will train 750 forestry extension workers. Seventy forestry technicians and 240 forestry guards were scheduled for training under a forestry management project in the Dominican Republic. A highlands agricultural development project in Guatemala will provide in-country training for members of community reforestation committees, local people hired to work in nurseries and woodlots, and forestry technicians. Another training program provides instruction

for managers of fuelwood demonstration plots in a regional fuelwood project in Central America.

Several projects have contributed to the expansion and development of educational institutions which provide in-country forestry training. A forestry education project in Burkina Faso provided technical assistance and facilities for the expansion of forestry training at the Dinderesso Training Center. An agroforestry project in Kenya supported new agroforestry research and extension services at six existing agricultural training centers. In-service training programs for state forestry departments in India were reviewed under the social forestry project to emphasize nursery operation, seed collection and storage, and extension methods.

A number of projects fund undergraduate and graduate level professional training in U.S. forestry schools or in other countries. The previously cited forestry project in Pakistan will support 62 Masters-level forestry degree programs and Bachelors-level programs for 42 others over the life of the project. A forestry management project in the Dominican Republic supports the training five Masters-level foresters and 15 Bachelor-level foresters.

An inventory, conducted by the author for FSP in 1987, identified 294 individuals from developing countries funded by AID to study forestry and natural resources management in the United States between 1984 and early 1987. Of these participants eight attended U.S. universities for B.S. degrees, 31 for M.S. degrees, and five for Ph.D.s. The remaining 250 participated in short term training programs and seminars such as the annual International Forestry Seminar, teacher training programs, the Wildfire Suppression, and Tree Establishment in Arid Areas/Fuel Conservation training courses.

IIFED's analysis of 132 projects indicated that research was the primary activity in 27% of the projects. Some of these were projects focusing on agricultural research, including forestry research. There also were important research activities in other projects. Successful tree planting programs require careful research to determine the most suitable species and the most effective techniques for planting and managing trees in each area. A research funded by an AID project in Nepal screened 15 tree species to determine community preferences, adaptability to high

elevations, and effective production and management systems. An agroforestry research center was established as part of the Agroforestry Outreach Project in Haiti. AID contributes to the International Center for Research on Agro Forestry (ICRAF) in Nairobi. Research has been supported by several projects to assess a variety of unique challenges including harvesting and marketing of mangrove timber in Gambia, the improvement of wild fruit groves in hill areas in India, and the expansion of date palm production in desert oases in Mauritania.

About one-fourth of the projects reviewed by IIED were classified as focusing primarily on "site management and development." These included projects funding the development of sites for agroforestry and for fuelwood production, as well as other projects emphasizing forest management in specific areas.

3.4 Regional Analysis of Forestry Activities in Bilateral Projects

3.4.1. Regional Distribution of Projects and Obligations

The regional distribution of projects with forestry components active during 1987 and those active anytime during the 1979-89 period are shown in Figure 3a and 3b respectively. The regional distribution of total Life-Of-Project obligations under these projects and the obligations for forestry activities are shown in Figure 4. Funds obligated to country-specific and regional natural resources activities include commitments to forestry activities. Life-Of-Project obligations include all funds committed to these projects; including support for all forestry activities, all non-forestry natural resources activities, and all other activities.

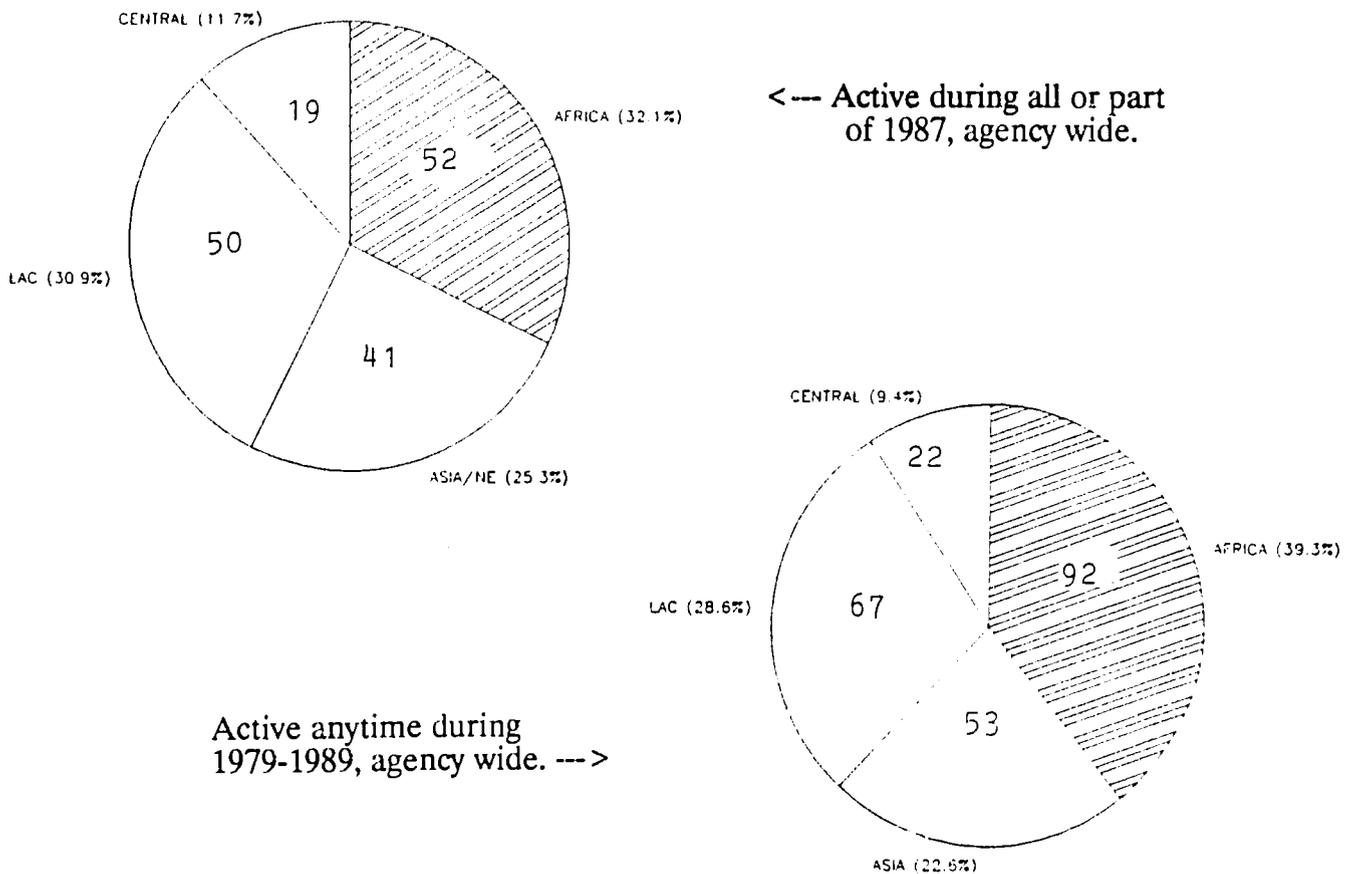
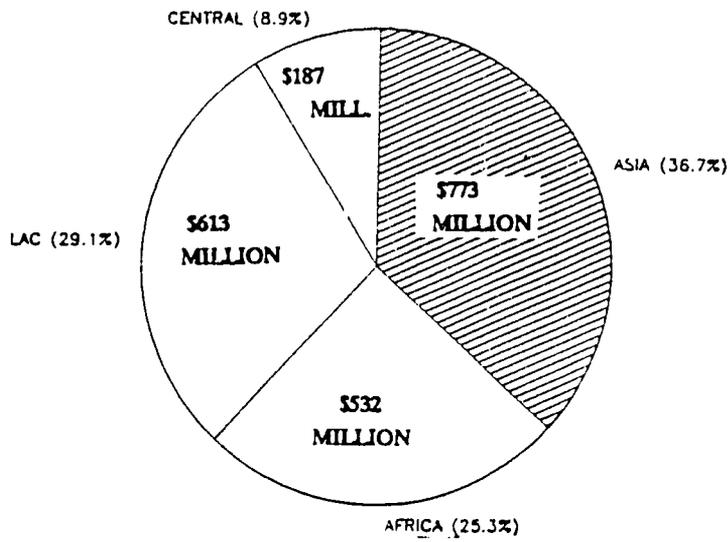
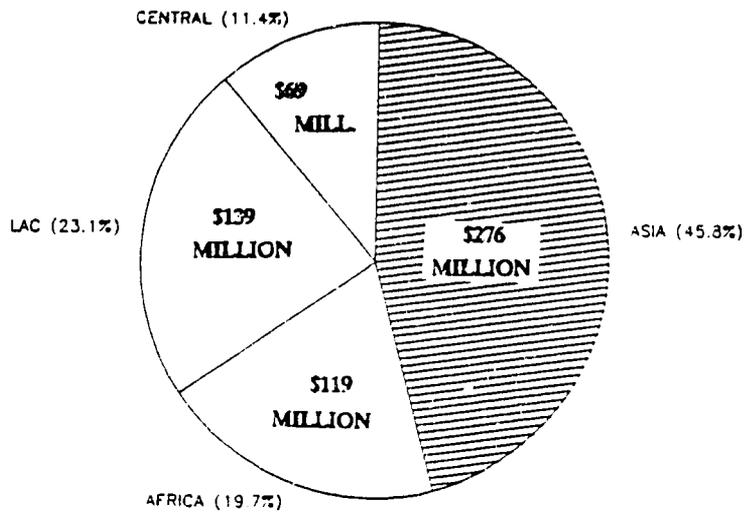


Figure 3 : Distribution of projects with forestry components:



(a) Life-Of-Project obligations (all project components)



(b) Forestry component obligations over the life of the project

Figure 4 : Distribution of AID's Fiscal Obligations to Projects with Forestry

3.4.2 Africa

The total Life-Of-Project obligations for all projects with forestry components which were active in 1987 in 25 African countries is \$532 million. Funding for the forestry components of these projects is estimated at \$117 million. The largest obligations for forestry activities have been in Cameroon, Niger, Senegal, Sudan, and Somalia. Due to the large number of USAID Missions in Africa, the number of projects is larger than in other regions but the average obligation per project is lower than the worldwide average.

AID forestry activities in Africa have emphasized agroforestry -- the planting of trees on agricultural land temporally or spatially integrated with agricultural crops or grazing land -- as a means of achieving both agricultural and environmental goals. AID is currently supporting large agroforestry projects and other tree-planting activities in four countries -- Senegal, Sudan, Niger, and Kenya. These projects involve combined Life-Of-Project obligations of about \$50 million. Additional forestry activities have been carried out through Africa-wide regional projects and projects of the Sahel area.

Several of the African projects focus on anti-desertification efforts through reforestation. A new reforestation and soil conservation project in Senegal is designed to arrest and attempt to reverse the desertification process by encouraging all elements of Senegalese society to plant and maintain trees. The project will plant 100,000 hectares of plantations, village orchards, windbreaks, woodlots, and agroforestry plots. A reforestation project in Sudan employs refugees and rural Sudanese at two nurseries with annual outputs of 600,000 seedlings each and in the planting of these seedlings.

Tree planting activities are also supported by a rangelands project in Somalia, a soil and water resources project in Gambia, an arid lands project in Kenya, a farming systems project in Tanzania, a rural renewable energy project in Sudan, and others.

3.4.3 Asia and the Near East

Total Life-Of-Project obligations for projects with forestry components which were active in 1987 in 11 Asian and Near East countries are \$773 million; the forestry components of these projects account for \$275 million.

Total AID obligations for forestry in India have exceeded those in any other country. Projects with forestry components which were active in India in 1987 involved Life-Of-Project obligations of \$220 million; more than two thirds of this (\$150 million) was for forestry activities. The National Social Forestry Support project in India is the largest single AID forestry project. It is designed to raise income and employment among the rural poor in four Indian states by increasing the production of small timber, fuelwood, fodder, and forest products, and to arrest soil erosion resulting from deforestation. The project includes a large farm forestry program, pilot tree tenure schemes allowing landless farmers to plant trees for their own benefit on public land, and wasteland plantations managed by communities and by state forestry departments. The Life-Of-Project obligations for this project during the period from 1986 to 1990 will be \$83.5 million. Forestry activities are included in several other large projects in India, notably projects supporting agricultural research and the development of hill areas.

Since 1983, a forestry planning and development project in Pakistan has supported the development and implementation of programs to increase the production of fuelwood and timber. The project includes the establishment of forest and fuelwood planning units, the development of a national forestry plan, the training of forestry professionals and technicians, and the establishment of tree crop plantations in the rainfed Punjab and Northwest Frontier Provinces. Life-Of-Project forestry obligations for this project will be about \$30 million.

In other countries in the region, most forestry activities have been carried out under broader projects, especially those involving development of river basins and upland areas.

3.4.4. Latin American and the Caribbean

Projects with forestry components which were active in 1987 in 12 Latin American and Caribbean countries involve total Life-Of-Project obligations of \$613 million. Funding for the forestry components of these projects is estimated at \$140 million. Most forestry activities in the region incorporate natural resource management, conservation, watershed management, and integrated rural development. The largest obligations for forestry activities have been in Panama, Honduras, Haiti, El Salvador, Ecuador, and Peru.

Since 1982, a forestry sector development project in Ecuador has strengthened the capacity of Ecuadorean forestry institutions to carry out reforestation programs and to manage and protect forests. Commercial-scale demonstrations of plantation forestry, natural regeneration, and agroforestry are being conducted on 4,000 hectares in the high Sierra, the humid tropical lowlands, and the arid coasts. The project also includes nursery management and fire control activities. Life-Of-Project obligations will total about \$8 million.

An agroforestry project in Haiti, initiated in 1981, supports reforestation and agroforestry activities of two U.S. voluntary organizations and a Haitian development organization. Through the assistance of 120 local volunteer groups and church-affiliated organizations, 85,000 Haitian farms have been involved in the reforestation effort. In spite of the disruption of U.S. aid to Haiti in 1987 due to political unrest this and most other on-going natural resource projects remained intact.

Reforestation of steep slopes with species used for fuelwood, charcoal, fodder, poles and lumber is an important objective of a new hillside agriculture project in Jamaica.

A new forestry development project in Honduras will promote private sector involvement in the production and export of forestry products and strengthen the Honduran forestry agency's capabilities in industry regulation and natural resource protection.

4. FORESTRY ACTIVITIES IN CENTRAL BUREAU PROJECTS

Various types of support for the forestry activities of USAID Missions and AID regional bureaus, as well as contributions to important global environmental objectives, are provided by a number of multi-regional projects sponsored by several AID divisions in Washington. The major contributor to these projects is the Office of Forestry, Environment, and Natural Resources in the Bureau for Science and Technology. The Life-Of-Project obligations for forestry activities in such central bureau projects active in 1987 is estimated at \$66 million. Brief descriptions of several of these projects are provided below.

4.1 Forestry Support Program

The Forestry Support Program (FSP) was established in 1981 under the Forestry Resources Management project. The project also provides support for Peace Corps' forestry activities. FSP is jointly managed by two units of the U.S. Department of Agriculture. It is staffed by employees of International Forestry of the Forest Service and funded through the Office of International Cooperation and Development, though funding for the program is provided from the budget of AID's Office of Forestry, Environment, and Natural Resources in the Bureau for Science and Technology (S&T/FENR). The Program provides several services in support of AID's forestry and natural resources program:

Consultants: FSP has developed a roster of 2,500 individuals who have natural resources experience in developing countries with AID, Peace Corps, FAO, or other organizations. This roster is used to identify professionals with appropriate background, technical expertise, and language skills for consulting assignments in developing countries. In the early 1980s FSP funded a number of consultants to design, implement, or evaluate forestry projects; in the later 1980s most such assignments have been funded directly by USAID Missions, utilizing candidates identified through the skills roster.

Training: FSP training activities include (a) organizing short training courses and seminars; (b) informing USAID Missions of workshops, short courses, and seminars on forestry topics; (c) awarding a limited number of fellowships for forestry training; and (d) preparing publications to support training activities.

Research and Technical Support: FSP supports AID forestry research efforts by identifying research personnel, reviewing proposals, cooperating with the F/FRED project (section 4.4), and funding research planning activities through the International Union of Forest Research Organizations (IUFRO). Most of FSP's applied research activities are carried out by the Forestry Private Enterprise Institute (FPEI) in cooperation with several universities. FSP also responds to requests from USAID Missions, Peace Corps offices, and cooperating organizations for technical literature on forestry topics.

Program Studies: In 1987, FSP funded an inventory of forestry projects supported by AID food aid programs and a study of individuals from developing countries studying forestry and natural resources in the United States.

Agroforestry Activities: FSP provides support to AID bureaus and USAID Missions on the development of agroforestry projects, and has prepared several documents and reports on the planning and assessment of such projects.

4.2 Forestry Research Grants

A number of grants for forestry research have been awarded each year since 1982 under the AID Program in Science and Technology Cooperation (PSTC) which is administered by AID's Office of the Science Adviser. About 50 research grants, usually between \$100,000 and \$150,000, are awarded each year to researchers in the U.S. and in developing countries under a competitive program. One grant category is biomass resources and conversion. By 1987, the program had received 45 applications for grants in this category and had awarded five grants totalling \$720,000. In recent years, a significant portion of the biomass research grants have been for some type of forestry research.

The PSTC program also provides funding for a separate series of research grants administered by the Board on Science and Technology for International Development (BOSTID) of the U.S. National Academy of Sciences. The BOSTID program funds research in six research areas, one of which is fast-growing trees. By 1987 BOSTID had approved 18 grants totalling \$1.75 million in this research area.

Forestry research grants are also available under a new initiative designed to increase the access of developing countries to Israeli scientific, technical, and development expertise. The U.S.-Israel Cooperative Development Research Program (CDR) provides grants up to \$150,000 for research projects undertaken jointly with an institution in a developing country and an institution in Israel. In the 1985-87 period six of the CDR grants related to forestry or forest products.

4.3 Biological Diversity Program

In fiscal 1987, Congress mandated that AID should spend about \$2.5 million on new activities to conserve biological diversity in forested areas. AID has used these funds to contribute to 21 projects. Forest protection and rehabilitation is supported directly or indirectly in a number of these projects, including those concerned with national parks in Costa Rica and Peru, marine parks in Haiti and Belize (mangroves), rhinoceros habitats in Kenya and Nepal, a wildlands area in Madagascar, and a Niger Delta wetlands area. Under one of these projects, the International Union for the Conservation of Nature and Natural Resources (IUCN) is preparing a series of case studies on economic incentives and disincentives to preserve biological diversity in various specified areas.

4.4 Forestry/Fuelwood Research and Development Project (F/FRED)

This project, initiated in 1985, involves several activities designed to expand forestry and fuelwood research and development capacities in developing countries. Research planning and management activities include research planning, project identification, development of training curricula, and information management and dissemination. Network development and research activities include technical

assistance, support for workshops and training programs, development of regional collaborative projects, research grants, evaluation and dissemination of research findings, and other networking activities. Global research activities include assessments of technologies and evaluation of tree species used in agroforestry projects and fuelwood plantations. Total Life-Of-Project obligations for this project are about \$40 million. Funding has been provided primarily through AID's Office of Forestry, Environment, and Natural Resources in the Bureau for Science and Technology (\$30 million), with additional funding provided by the Office of Rural Development and the Bureau for Asia and the Near East.

4.5 Other Central Bureau Projects

Activities related to forestry are also carried out under several other centrally-funded projects. These include an environmental and natural resources information project, a project on innovative scientific research, projects focusing on coastal resources and fragile lands and international disaster assistance which includes forest fire fighting assistance and training. AID also contributes funds to support forestry-related activities carried out by Peace Corps, and research conducted by the Consultative Group on International Agriculture Research (CGIAR). CGIAR includes the major agricultural research centers such as the International Institute for Tropical Agriculture (IITA), the International Livestock Center for Africa (ILCA), and the International Center for Research on Semi-Arid Tropics (ICRSAT). These centers play a major role in agroforestry and farming systems research, species trials, rangeland studies, extension and training. ICRAF in Nairobi, which receives support from AID's Bureau for Science and Technology, is not a member of the Consultative Group, but does cooperate with these research centers while conducting, and disseminating findings from, its research.

5. FORESTRY ACTIVITIES SUPPORTED BY FOOD AID PROGRAMS

5.1 Overview

The Agency for International Development carries out several types of food aid programs in developing countries under provisions of the Agricultural Trade Development and Assistance Act of 1954 (Public Law 480) as amended and of Section 416 of the Agriculture Act. Under Title I of PL 480, grain and other commodities are sold on concessional terms to foreign governments. Under the provisions of Title III of the Act, local currency resources generated by the sale of these commodities are used to support self-help development activities which benefit the agriculture or rural sector. Title II of PL 480 authorizes donations of food commodities in developing countries through U.S. government agencies, international organizations, and U.S. or foreign voluntary organizations.

Food aid has been widely used to support forestry projects by providing incentives to individuals whose participation is essential for the success of these activities. In many projects, local currency received from the sale of food is used to finance forestry activities. In "food for work" projects food is distributed directly as a wage supplement or incentive payment to forestry workers or to villagers who plant trees or participate in other ways in forestry projects.

A September 1987 Forestry Support Program inventory identified 109 projects with forestry and natural resources components which were supported by money or food available through food aid programs. The regional distribution of these projects is shown in Table 2. About two-thirds of these project were carried out under the United Nations/Food and Agriculture Organization (UN/FAO) World Food Program (WFP); most of the WFP projects utilize food donated by the United States. Forestry and other development activities are implemented in the WFP projects by other agencies without substantial American participation.

TABLE 2

NUMBER OF ACTIVE, NEW AND PLANNED, FOOD AID PROJECTS
WITH FORESTRY/NATURAL RESOURCE COMPONENTS
AS OF FEBRUARY 1988

	TITLE I & ---III---	-----TITLE II----- W.F.P	OTHER	TOTAL
	No. of Projects	No. of Projects	No. of Projects	No. of Projects
<hr/>				
GLOBAL				
Active	11	64	20	95
New		7		7
Planned	3	1	3	7
Total	14	72	23	109
<hr/>				
<u>Regional Distribution:</u>				
AFRICA				
Active	4	32	14	50
New		1		1
Planned			2	2
Total	4	33	16	53
ASIA/NEAR EAST				
Active	2	22	2	26
New		5		5
Planned			1	1
Total	2	27	3	32

Food commodities with a value of \$17.7 million were donated to support forestry activities implemented by AID or by U.S. private voluntary organizations. The regional distribution of these projects, exclusive of those under the World Food Program, is shown in Table 3.

TABLE 3

DISTRIBUTION OF PL 480 COMMITMENTS TO PROJECTS WITH
FORESTRY AND NATURAL RESOURCE COMPONENTS IN FY 1987
(Excluding World Food Program)

('000s Of U.S. Dollar Equivalents)

	TITLE I	TITLE II	TOTAL
AFRICA			
Forestry	5017.3	3258.2	8275.5
Natural Resources	3879.7	3075.1	6954.8
Sub Total For/N.R.	8897.0	6333.3	15230.3
Program Total	21850.8	11203.1	33053.9
% of PT = For	23	29	25
% of PT = N.R.	18	27	21
% of PT = For & N.R.	41	57	46
ASIA/NEAR EAST			
Forestry	36.0	4608.2	4644.2
Natural Resources	600.0	0.0	600.0
Sub Total For/N.R.	636.0	4608.2	5244.2
Program Total	4200.0	9819.0	14019.0
% of PT = For	1	47	33
% of PT = N.R.	14	0	4
% of PT = For & N.R.	15	47	37
LATIN AMERICA/CARIBBEAN			
Forestry	4348.8	397.0	4745.8
Natural Resources	695.2	2.5	697.7
Sub Total For/N.R.	5044.0	399.5	5443.5
Program Total	31744.0	2142.8	33886.8
% of PT = For	14	19	14
% of PT = N.R.	2	0	2
% of PT = For & N.R.	16	19	16
WORLD WIDE TOTALS			
Forestry	9402.1	8263.4	17665.5
Natural Resources	5174.9	3077.6	8252.5
Sub Total For/N.R.	14577.0	11341.0	25918.0
Program Total	57794.8	23164.9	80959.7
% of PT = For	16	36	22
% of PT = N.R.	9	13	10
% of PT = For & N.R.	25	49	32

(Source: PL 480 Data Base, Forestry Support Program)

5.2 Africa

Due to the larger number of countries in Africa and to the severe environmental problems in Africa in recent years, about half of the forestry and resource projects supported by food aid are in Africa. As indicated in Figure 5, the African projects represented nearly 60% of the total PL 480 commitments to projects with forestry and natural resource components.

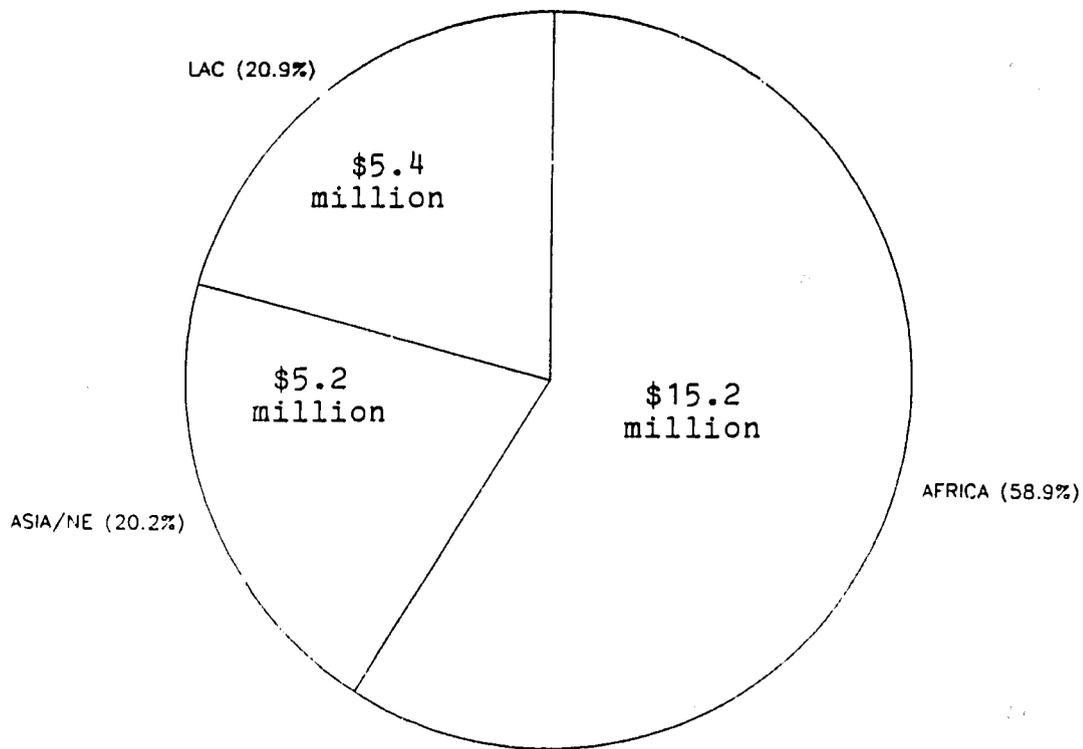


Figure 5 : Distribution of PL 480 commitments to projects with forestry and natural resource components.

Among the 53 projects in Africa identified in the 1987 inventory, 32 involved food donated to the World Food Program. For example, a WFP project in the Ivory Coast assists the government with the establishment of 25,000 hectares of forests, the improvement of 20,000 hectares of natural forest, the building of 100 km of firebreaks, the maintenance of 376 kilometers of existing firebreaks, and the organization of villagers in fire-fighting brigades. Twelve thousand workers and their families in Zambia are compensated with food for their work with a tree-planting program for fuelwood, timber, and charcoal. In a WFP project in Mali, food is used as wage supplements for personnel engaged in planting trees and building forest roads and firebreaks.

In addition to the WFP projects, commodities valued at \$8.3 million were used in 1987 to support forestry projects conducted by U.S. voluntary organizations. Six central nurseries with a capacity of 200,000 seedlings and 10 community nurseries with a capacity of 20,000 seedlings are supported by a CARE food-for-work project in Ethiopia. Reforestation and fruit tree production are included in a food-for-work project conducted by Catholic Relief Services in Senegal.

5.3 Asia and the Near East

The 1987 inventory of food aid projects identified 32 projects with forestry and resources components in Asia and the Near East. Most of these (27 projects) were World Food Program Projects. U.S. food aid supported twelve of these WFP projects in Asia. Food is distributed as a wage supplement to workers engaged in government forestry programs in India. Several WFP projects in India include reforestation activities and the planting of shelter belts and windbreaks.

Wheat valued at \$4.5 million was allocated for a food-for-work project in Morocco involving rural reforestation and the planting of almond, walnut, and olive trees on small farms in mountain areas.

5.4 Latin America and the Caribbean

Money or commodities from food aid programs supported 24 forestry/resources projects in Latin America and the Caribbean in 1987. Twelve of these were WFP projects. They included reforestation in Guatemala, silviculture and fire protection in El Salvador and Honduras, watershed protection in Haiti, and tree plantations in Peru.

Commodities valued at \$4.17 million were used in the region in 1987 to support AID forestry projects and forestry activities of private voluntary organizations. These include the fuelwood component of an AID energy conservation and resources project in the Dominican Republic and reforestation projects of private voluntary organizations in Bolivia and Guatemala.

**APPENDIX ONE
LIST OF SOURCES USED TO PROVIDE DATA FOR
BILATERAL FORESTRY DATABASE AND THIS REPORT**

Project Accounting Information System (PAIS): Selected Reports from the PAIS Data Files; Agency of International Development, 12/31/85 edition.

AID-DIHF/Development Information System printout of project descriptions; 3/17/86 edition

Current Technical Service Contract and Grants, prepared by the Agency for International Development; Fiscal Year 1985 edition.

IRM/Coors database; 10/29/85 edition.

Energy, Forestry, and Natural Resources Activities in the Africa Region, prepared by Arawak Consulting Corporation for the Agency of International Development, April 1986 edition.

File names of the AID Environmental Projects printout for the Bureau for Africa, and the Bureau for Asia and Near East, sorted alphabetically by project title and derived from the AID/PPC database; February 1986 edition.

Printout of selected Asia forestry projects, using the AID- DIHF/Document Information System (DIS); 4/25/86 edition.

Public Sector Forestry Projects Funded by the U.S. Agency for International Development, compiled by the USDA/AID Forestry Support Program, based on the work of Paul A. Lundberg; September 1983 edition.

Updated information regarding the Energy, Forestry, and Natural Resources Activities in the Africa Region, supplied by Thomas Catterson, Acting Chief of the Bureau for Africa, Office of Technical Resources, Special Development Programs, Agency for International Development; May 1986.

Extracted from AID/PPC database October, 1987, received from Frank Lin (AID/PPC).

Integrated Natural Resources and Biodiversity Activities in Sub-Saharan Africa; Collected and compiled by Frances Gulick for AID/AFR, September 1987.

Energy, Forestry and Natural Resource Activities in the Africa Region, November 1986.

AID Congressional Presentation, 1988.

Interviews with Forestry Support Program geographic region coordinator staff, September - December 1987.

Project Papers for various specific projects.

FVA/PVC/IPS printout of forestry-related projects generated by Thomas Van Hare, December 1987.

AID/DIHF/DIS Printout of selected Forestry Project Abstracts December 1987.

List of projects providing forestry training at U.S. institutions extracted from FSP "Trainees" database; compiled by David Lowe for FSP April-June 1987.

Interviews with selected AID project managers, December 1987-January 1988.

Program reports for selected AID funded programs (eg. PSTC, CDR, Appropriate Technology International, Biden-Pell Grants program, FSP).

APPENDIX TWO
FORESTRY PROJECTS ACTIVE DURING 1987
LISTED ALPHABETICAL BY COUNTRY WITHIN EACH BUREAU

COUNTRY	PROJECT NUMBER	PROJECT TITLE	PROJECT STATUS	START DATE YR/MO	CLOSE DATE YR/MO	FORESTRY OBLIGATION OVER LOP (\$1000)
** BUREAU AFRICA						
AFRICA REGIONAL	6980424	ENERGY INITIATIVES FOR AFRICA	ACTIVE	82/	88/12	4050
AFRICA REGIONAL	6980424.01	COMMUNAL AFFORESTATION-RWANDA (EIA)	ACTIVE	83/08	88/12	?
AFRICA REGIONAL	6980427	ENVIRONMENTAL TRNG. AND MGMT. IN AFRICA	ACTIVE	80/	88/09	381
AFRICA REGIONAL	6980433	AFRICAN MANPOWER DEVELOPMENT II	ACTIVE	82/	92/09	840
AFRICA REGIONAL	6980456	REGIONAL REMOTE SENSING II (EAST AFRICA)	ACTIVE	86/	91/09	500
AFRICA REGIONAL	6980457	REMOTE SENSING II (WEST AFRICA)	ACTIVE	86/	91/	315
AFRICA REGIONAL	6980467	NATURAL RESOURCES MANAGEMENT SUPPORT	ACTIVE	87/09	90/09	4255
BOTSWANA	6330077	RURAL DEVELOPMENT (RURAL SECTOR GRANT II)	ACTIVE	80/	88/09	688
BOTSWANA	633020	BOTSWANA ENERGY AND ENVIRONMENT PROGRAM	ACTIVE	85/07	88/06	28
BURKINA FASO	6860934	SOUTHWEST REGIONAL REFORESTATION PROJECT	ACTIVE	85/	89/08	1000
BURUNDI	6950103	ALTERNATIVE ENERGY PEAT II	ACTIVE	80/	87/12	?
BURUNDI	6950105	BURURI FOREST	ACTIVE	82/	87/12	1144
BURUNDI	6950106	SMALL FARMING SYSTEMS RESEARCH	ACTIVE	83/	91/	390
CAMEROON	6310031	AGRICULTURAL EDUCATION	ACTIVE	82/	89/12	9096
CAMEROON	6310052	AGRICULTURAL CEREALS RESEARCH	ACTIVE	85/	95/02	13069
CAMEROON	6310267	COMMUNITY REFORESTATION (?) (CARE)	ACTIVE	86/07	90/06	?
CAPE VERDE	6550013	WATERSHED DEV. (WATERSHED MANAGEMENT II)	ACTIVE	84/	90/	1240
CHAD	6770051	PVO WATERSHED DEVELOPMENT	ACTIVE	85/	89/	636
COMOROS	6020001	LAND AND SOIL CONSERVATION (CARE (PVO))	ACTIVE	84/	91/05	1400
CONGO	6790007	CONGO MANPOWER TRAINING	PLANNED	87/	91/	347
GAMBIA	6350202	SOIL AND WATER RESOURCES MANAGEMENT UNIT	ACTIVE	78/	87/12	137
GAMBIA	6350219	AGRICULTURAL RESEARCH & DIVERSIFICATION	ACTIVE	85/	92/06	1800
GUINEA	6750204	SMALLHOLDERS PRODUCTION PREPARATION	ACTIVE	83/	89/	760
KENYA	6150172	ARID AND SEMI-ARID LANDS DEV (KITUI)	ACTIVE	79/	87/12	1557
KENYA	6150263	INTER-CHURCH RURAL DEVELOPMENT	ACTIVE	85/07	88/06	?
LESOTHO	6320221	LESOTHO AGRIC PROD AND INST SU'PP (LAPIS)	ACTIVE	85/08	91/08	1305

APPENDIX TWO (Continued)

COUNTRY	PROJECT NUMBER	PROJECT TITLE	PROJECT STATUS	START DATE YR/MO	CLOSE DATE YR/MO	FORESTRY OBLIGATION OVER LOP (\$1000)
MALAWI	6120215	AGRICULTURAL RESEARCH AND EXTENSION	ACTIVE	85/	90/	700
MALI	6880218	LIVESTOCK SECTOR II	ACTIVE	82/	91/	1829
MALI	6880235	FORESTRY SECTOR DEVELOPMENT	ACTIVE	86/	95/	15500
MALI	6880937	VILLAGE REFORESTATION	ACTIVE	83/	90/	655
MAURITANIA	6820233	HUMAN RESOURCE DEVELOPMENT	ACTIVE	78/	90/12	66
MAURITANIA	6820957	OMVS AGRICULTURAL RESEARCH (CYCLE II)	ACTIVE	84/	94/06	118
NIGER	6830230	FORESTRY AND LAND USE PLANNING	ACTIVE	80/	88/06	4223
NIGER	6830240	NIAMEY DEPARTMENT DEVELOPMENT PHASE II	ACTIVE	81/	88/12	679
RWANDA	6964020	GITUZA FOREST	ACTIVE	84/09	88/09	1875
RWANDA	6980427.96	RUHENGERI RESOURCE ANALYSIS AND MGMT.	ACTIVE	85/04	??/??	?
RWANDA	6980502.96	GITUZA FORESTRY	ACTIVE	84/09	88/12	2400
SAHEL REGIONAL	6250944	NIGER RIVER BASIN DEVELOPMENT (PHASE II)	COMPLETED	82/	87/06	1050
SAHEL REGIONAL	6250960	? (TRAINING COMPONENT)	ACTIVE	??/??	??/??	?
SAHEL REGIONAL	6250977	SAHEL HUMAN RESOURCES DEVELOPMENT III	ACTIVE	86/	93/	1700
SENEGAL	6850235	SENEGAL CEREALS PRODUCTION II	ACTIVE	80/	87/12	693
SENEGAL	6850260	COMMUNITY AND ENTERPRISE DEVELOPMENT--PVO	ACTIVE	84/	90/06	450
SENEGAL	6850283	REFORESTATION AND SOIL CONSERVATION	ACTIVE	86/	93/07	10000
SOMALIA	6490108	CENTRAL RANGELANDS DEVELOPMENT	ACTIVE	79/	88/	1044
SOMALIA	6490122	CDA FORESTRY PHASE I-REFUGEE AREAS	COMPLETED	82/08	87/09	6000
SOMALIA	6490122	JALALAQSI REFORESTATION PROJECT	COMPLETED	83/04	87/06	768
SOMALIA	6490134	JUBA DEVELOPMENT ANALYTICAL STUDIES	ACTIVE	84/	88/	3420
SOMALIA	6495012	AGRO-FORESTRY PROJECT REFUGEE-RELATED	ACTIVE	??/??	??/??	373
SUDAN	6500041	RURAL RENEWABLE ENERGY	ACTIVE	81/	89/	1400
SUDAN	6500064	EASTERN REFUGEE REFORESTATION CARE (OPG)	ACTIVE	83/04	88/04	5050
SUDAN	6500082	REFORESTATION AND ANTI-DESERTIFICATION	ACTIVE	87/	92/09	12860
TANZANIA	6210156	FARMING SYSTEMS RESEARCH	ACTIVE	82/	??/??	600
UGANDA	6170263	FORESTRY TRAINING & ENVIRONMENTAL EDUC	ACTIVE	85/07	88/06	?
UGANDA	6170267	VILLAGE FORESTRY (CARE)	ACTIVE	86/07	90/06	215
ZAIRE	6600091	APPLIED AGRICULTURE RESEARCH & EXTENSION	ACTIVE	83/	89/	750

APPENDIX TWO (Continued)

COUNTRY	PROJECT NUMBER	PROJECT TITLE	PROJECT STATUS	START DATE YR/MO	CLOSE DATE YR/MO	FORESTRY OBLIGATION OVER LOP
** BUREAU ASIA/NE						
ASEAN	4980258.03	ASEAN WATERSHED MANAGEMENT	ACTIVE	83/07	88/07	3000
ASEAN	4980286	ASEAN COASTAL RESOURCES MANAGEMENT	ACTIVE	85/	88/07	250
ASIA REGIONAL	3980178	REGIONAL ENVIRONMENTAL ACTIVITIES	COMPLETED	87/	87/	225
ASIA REGIONAL	3980276	FORESTRY RESEARCH & DEVELOPMENT	ACTIVE	85/	95/09	2500
ASIA REGIONAL	4980258	? (US-BASED TRAINING COMPONENT)	ACTIVE	?/??	?/??	?
BANGLADESH	3880051	AGRICULTURAL RESEARCH II	ACTIVE	81/	87/12	820
BURMA	4820067	AGRICULTURAL PRODUCTION	ACTIVE	86/	91/	1500
INDIA	3860470	AGRICULTURE RESEARCH	ACTIVE	83/	92/06	4000
INDIA	3860474	ALTERNATIVE ENERGY RESOURCES DEVELOPMENT	ACTIVE	82/	88/06	3220
INDIA	3860475	MADHYA PRADESH SOCIAL FORESTRY	COMPLETED	81/	87/03	25000
INDIA	3860478	MAHARASHTRA SOCIAL FORESTRY	ACTIVE	82/	90/09	30000
INDIA	3860489	HILL AREAS LAND AND WATER DEVELOPMENT	ACTIVE	84/	91/09	3240
INDIA	3860495	NATIONAL SOCIAL FORESTRY SUPPORT	ACTIVE	85/	90/07	84700
INDONESIA	4970276	PROVINCIAL AREA DEVELOPMENT PROGRAM II	ACTIVE	79/	89/12	2490
INDONESIA	4970281	CITANDUY RIVER BASIN DEVELOPMENT II	ACTIVE	80/09	88/09	2742
INDONESIA	4970293	EASTERN ISLANDS AGRICULTURAL EDUCATION	ACTIVE	79/	88/07	2300
INDONESIA	4970302	APPLIED AGRICULTURE RESEARCH	ACTIVE	80/09	92/09	3960
INDONESIA	4970311	UPLAND AGRICULTURE AND CONSERVATION	ACTIVE	84/07	91/06	2835
INDONESIA	4970333	PUSPIPTEK ENERGY RESEARCH LABORATORY	ACTIVE	82/	89/09	1838
MOROCCO	6080159	RENEWABLE ENERGY DEVELOPMENT	ACTIVE	80/04	89/09	290
MOROCCO	6080182	PLANNING, ECON. AND STAT. FOR AG.	ACTIVE	83/09	93/09	625
NEAR EAST REGIONAL	3780178	REGIONAL ENVIRONMENTAL ACTIVITIES	ACTIVE	84/	89/09	60
NEPAL	3670129	RURAL AREA DEVELOPMENT-RAPTI ZONE	COMPLETED	80/08	88/01	2880
NEPAL	3670132	RESOURCE CONSERVATION AND UTILIZATION	COMPLETED	80/07	87/07	6750
NEPAL	3670144	PVO CO-FINANCING	ACTIVE	81/	88/08	275
NEPAL	3670149	AGRICULTURAL RESEARCH AND PRODUCTION	ACTIVE	85/05	90/11	2000
NEPAL	3670156	REFORESTATION	ACTIVE	86/11	90/07	3125
PAKISTAN	3910413	ON-FARM WATER MANAGEMENT	COMPLETED	77/	87/06	2000

APPENDIX TWO (Continued)

COUNTRY	PROJECT NUMBER	PROJECT TITLE	PROJECT STATUS	START DATE YR/MO	CLOSE DATE YR/MO	FORESTRY OBLIGATION OVER LOP
PAKISTAN	3910481	FORESTRY PLANNING AND DEVELOPMENT	ACTIVE	83/08	91/08	30600
PAKISTAN	3910485	NORTH-WEST FRONTIER AREA DEVELOPMENT	ACTIVE	83/	88/12	2520
PHILIPPINES	4920289	BICOL INTEGRATED AREA DEV III	COMPLETED	79/	87/06	300
PHILIPPINES	4920343	PROJECT DESIGN	ACTIVE	80/07	89/09	1800
PHILIPPINES	4920366	RAINFED RESOURCES DEVELOPMENT	ACTIVE	82/09	89/09	8337
PHILIPPINES	4920367	PVO CO-FINANCING II	ACTIVE	84/	92/09	2400
PHILIPPINES	4920375	RURAL ENERGY DEVELOPMENT	ACTIVE	82/08	88/07	15000
SRI LANKA	3830055	REFORESTATION AND WATERSHED MANAGEMENT	TERMINATED	80/07	88/07	10450
SRI LANKA	3830075	MAHAWELI ENVIRONMENT PROJECT	COMPLETED	82/09	87/09	4000
THAILAND	4930294	HIGHLAND AREA DEVELOPMENT	ACTIVE	80/08	89/06	5635
THAILAND	4930304	RENEWABLE NON-CONVENTIONAL ENERGY DEV.	ACTIVE	79/	88/07	700
THAILAND	4930308	NORTHEAST RAINFED AGRICULTURAL DEV.	ACTIVE	81/	88/08	800
TUNISIA	6640304	AGRICULTURE TECHNOLOGY TRANSFER	ACTIVE	78/08	90/12	425

APPENDIX TWO (Continued)

COUNTRY	PROJECT NUMBER	PROJECT TITLE	PROJECT STATUS	START DATE YR/MO	CLOSE DATE YR/MO	FORESTRY OBLIGATION OVER LOP
BUREAU CENTRAL						
FVA	9380267	CARE MATCHING GRANT (FVA)	ACTIVE	85/08	90/	2975
FVA/PVC	9380230	BIDEN PELL DEVELOPMENT EDUCATION GRANTS	ACTIVE	85/	90/	104
PPC/PD	9300077	ENERGY, SCIENCE, AND TECHNOLOGY STUDIES	ACTIVE	77/	??/??	?
PPC/PDPR	9300091	RURAL DEVELOPMENT RESEARCH	ACTIVE	81/	??/??	238
PPC/WID	9300100	STRATEGIES IN DVLPT / TECH ASST IN WID	ACTIVE	87/12	88/	50
S&T	9365518	COASTAL RESOURCES MANAGEMENT	ACTIVE	83/	89/09	400
S&T	9311209	ENVIRON/NAT RESOURCES INFO BASE	ACTIVE	79/	88/07	1240
S&T	9365301	RSCH ON ACCESS TO LAND, WATER/NATURAL RES	ACTIVE	79/	88/03	?
S&T	9365519	FOREST RESOURCES MANAGEMENT	ACTIVE	80/09	90/09	19821
S&T	9365542	INNOVATIVE SCIENTIFIC RESEARCH	ACTIVE	81/	89/09	4836
S&T	9365547	FORESTRY/FUELWOOD RESEARCH AND DVL.	ACTIVE	85/	95/09	32800
S&T	9365438	DEV STRATEGIES FOR FRAGILE LANDS (DESFIL)	ACTIVE	86/	96/09	3050
S&T	9400002.41	INVESTMENT PACKAGING	ACTIVE	84/09	89/03	456
S&T	9365517	ENVIRONMENTAL PLANNING & MANAGEMENT	ACTIVE	82/09	90/09	861
S&T/AGR	9364111	INT'L AGRICULTURE RESEARCH CENTERS(CGIAR)	ACTIVE	68/	??/??	?
S&T/OFDA	9380950	EMERGENCY RELIEF AND REHABILITATION		81/	??/??	320
S&T/PO	9361406	S&T SMALL ACTIVITIES GRANTS	ACTIVE	??/??	??/??	?
S&T/RD	9365428	APPROPRIATE TECHNOLOGY INTERNATIONAL II	ACTIVE	83/	89/09	1968
S&T/SCI	9365544	US/ISRAEL PROGRAM FOR COOP DVLPT RESEARCH	ACTIVE	81/	??/??	1520

APPENDIX TWO (Continued)

COUNTRY	PROJECT NUMBER	PROJECT TITLE	PROJECT STATUS	START DATE YR/MO	CLOSE DATE YR/MO	FORESTRY OBLIGATION OVER LOP
** BUREAU LAC						
BOLIVIA	5110511	DEPARTMENTAL DEVELOPMENT CORPORATIONS	COMPLETED	79/	87/03	500
BOLIVIA	5110543	CHAPARE REGIONAL DEVELOPMENT	ACTIVE	83/08	90/	3112
COSTA RICA	5150001	? (TRAINING COMPONENT)	ACTIVE	?/??	??/??	?
COSTA RICA	5150148	AGRARIAN SETTLEMENT PRODUCTIVITY	COMPLETED	80/09	87/09	2000
COSTA RICA	5150268	GANDOCA LAND TITLING & WILDLIFE REFUGE	ACTIVE	85/09	88/09	53
DOMINICA	5420268	DOMINICAN FOREST RESOURCES & DEVELOPMENT	ACTIVE	85/09	88/09	54
DOMINICAN REPUBLIC	5170126	NATURAL RESOURCES MANAGEMENT	ACTIVE	81/	88/07	4510
DOMINICAN REPUBLIC	5170144	ENERGY CONSERVATION AND RESOURCES DEV.	ACTIVE	82/	88/07	1753
ECUADOR	5180046	EMERGENCY REHABILITATION	COMPLETED	84/	87/	2300
ECUADOR	5180268	CUYABENO WILDLIFE PRODUCTION RESERVE	ACTIVE	85/09	88/09	?
ECUADOR	5180023	FORESTRY SECTOR DEVELOPMENT	ACTIVE	82/	90/03	8100
ECUADOR	5180029	ALTERNATIVE ENERGY SOURCES	ACTIVE	81/	88/07	270
ECUADOR	5189999	PRIVATE AND VOL ORGANIZATIONS - OPG'S	ACTIVE	78/	88/	?
ECUADOR	5180031	ENVIRONMENTAL CONSERVATION OPG-PVO	ACTIVE	80/05	88/07	17
EL SALVADOR	5190256	PUBLIC SECTOR EMPLOYMENT	ACTIVE	80/03	88/07	17581
GUATEMALA	5200255	SMALL FARMER DIVERSIFICATION SYSTEMS	ACTIVE	81/	90/12	1570
GUATEMALA	5200274	HIGHLANDS AGRICULTURAL DEVELOPMENT	ACTIVE	83/	90/09	4200
HAITI	5210182	NONGOVERNMENTAL ORGANIZATION SUPPORT II	ACTIVE	85/	88/07	170
HAITI	5210092	AG DEVELOPMENT SUPPORT II	TERMINATED	78/	88/05	952
HAITI	5210122	AGROFORESTRY OUTREACH - PVO	ACTIVE	81/	90/	11500
HAITI	5210169	NGO SUPPORT	ACTIVE	83/03	??/??	4096
HAITI	5210191	TARGETED WATERSHED MGMT (CONS.& IRR.MGMT)	ACTIVE	86/	91/09	1500
HAITI	5219999	PRIVATE AND VOL ORGANIZATIONS - (OPG'S)	ACTIVE	75/	88/07	110
HONDURAS	5220168	NATURAL RESOURCES MANAGEMENT	ACTIVE	80/07	89/05	4498
HONDURAS	5225960	? (TRAINING COMPONENT)	ACTIVE	?/??	??/??	?
JAMAICA	5320065	ENERGY SECTOR ASSISTANCE	COMPLETED	81/	87/09	685
JAMAICA	5320079	TECHNICAL CONSULTATIONS AND TRAINING	ACTIVE	81/	89/12	369
JAMAICA	5320081	AGROINDUSTRIAL DEVELOPMENT	COMPLETED	82/	87/09	210
JAMAICA	5320101	HILLSIDE AGRICULTURE	PLANNED	87/	94/02	1000
JAMAICA	5320113	HILLSIDE ASSESSMENT	ACTIVE	85/	87/12	150
LAC/REGIONAL	5980605	DEVELOPMENT OF ENVIRONMENTAL MGMT. SYSTEM	ACTIVE	79/	??/??	352

APPENDIX TWO (Continued)

COUNTRY	PROJECT NUMBER	PROJECT TITLE	PROJECT STATUS	START DATE YR/MO	CLOSE DATE YR/MO	FORESTRY OBLIGATION OVER LOP
LAC/REG. (MEXICO)	5980616	INTER-COUNTRY TECHNOLOGY TRANSFER	ACTIVE	84/	88/07	150
PANAMA	5250186	INTEGRATED RURAL DEVELOPMENT	TERMINATED	77/11	87/10	970
PANAMA	5250257	NATURAL RESOURCES EDUCATION (OPG)	TERMINATED	84/	88/03	300
PANAMA	5250191	WATERSHED MANAGEMENT	TERMINATED	79/	88/07	2000
PANAMA	5250248	NATURAL RESOURCE MANAGEMENT	TERMINATED	87/	89/06	35700
PERU	5270202	LAND USE INVENTORY AND ENV PLANNING/ONER	COMPLETED	80/09	87/06	80
PERU	5270231	SEPAS EXPANDED REFORESTATION (FFW) - OPG	COMPLETED	82/	87/05	950
PERU	5270240	CENTRAL SELVA RESOURCE MANAGEMENT	ACTIVE	82/	90/09	6160
PERU	5270277	DISASTER RELIEF AND REHABILITATION	COMPLETED	83/	87/05	3248
PERU	5279999	PRIVATE VOLUNTARY ORGANIZATIONS-OPG'S	ACTIVE	78/	88/07	?
RDO/C	5380000	PROJECT DEVELOPMENT AND SUPPORT	ACTIVE	75/	88/07	173
RDO/C	5380091	CUMBERLAND HYDRO ELECTRIC	ACTIVE	84/	88/09	400
RDO/C	5380103	BASIC NEEDS TRUST FUND	ACTIVE	84/	88/07	635
RDO/C	5380108	ST. KITTS/NEVIS RESOURCE MANAGEMENT	ACTIVE	84/	88/07	600
ROCAP	5960089	FUELWOOD AND ALTERNATIVE ENERGY SOURCES	ACTIVE	79/	87/12	4400
ROCAP	5960106	REG'L TROPICAL WATERSHED MANAGEMENT	ACTIVE	83/	88/01	1800
ROCAP	5960117	TREE CROP PRODUCTION	ACTIVE	85/	91/08	4940
ROCAP	5960140	FRAGILE LAND MANAGEMENT	ACTIVE	87/	91/	5000

APPENDIX THREE
FORESTRY PROJECTS ACTIVE IN 1987
PROJECTS LISTED IN ORDER OF PROJECTS' STARTING YEAR

PROJECT NUMBER	COUNTRY	START	PACD	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
** PROJECTS STARTED: 1968						
* BUREAU CENTRAL 9364111	S&T/AGR	68	??	INT'L AGRICULTURE RESEARCH CENTERS(CGIAR)	?	?
					?	?
					?	?
** PROJECTS STARTED: 1975						
* BUREAU LAC 5219999	HAITI	75	88	PRIVATE AND VOL ORGANIZATIONS - (OPG'S)	2192	110
5380000	RDO/C	75	88	PROJECT DEVELOPMENT AND SUPPORT	1730	173
* Subsubtotal *					3922	283
** Subtotal **					3922	283
** PROJECTS STARTED: 1977						
* BUREAU ASIA/NE 3910413	PAKISTAN	77	87	ON-FARM WATER MANAGEMENT	10600	2120
* BUREAU CENTRAL 9300077	PPC/PD	77	??	ENERGY, SCIENCE, AND TECHNOLOGY STUDIES	?	?
					?	?
* BUREAU LAC 5250186	PANAMA	77	87	INTEGRATED RURAL DEVELOPMENT	9700	970
					9700	970
** Subtotal **					20300	3090
** PROJECTS STARTED: 1978						
* BUREAU AFRICA 6350202	GAMBIA	78	87	SOIL AND WATER RESOURCES MANAGEMENT UNIT	2747	137
6820233	MAURITANIA	78	90	HUMAN RESOURCE DEVELOPMENT	6591	66
* BUREAU ASIA/NE 6640304	TUNISIA	78	90	AGRICULTURE TECHNOLOGY TRANSFER	8500	425

APPENDIX THREE (Continued)

PROJECT NUMBER	COUNTRY	START	PACD	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
* BUREAU LAC						
5189999	ECUADOR	78	88	PRIVATE AND VOL ORGANIZATIONS - OPG'S	?	?
5210092	HAITI	78	88	AG DEVELOPMENT SUPPORT II	3808	952
5279999	PERU	78	88	PRIVATE VOLUNTARY ORGANIZATIONS-OPG'S	?	?
* Subsubtotal *						
** Subtotal **					3808	952
** PROJECTS STARTED: 1979					21646	1580
* BUREAU AFRICA						
6150172	KENYA	79	87	ARID AND SEMI-ARID LANDS DEV (KITUI)	15571	1557
6490108	SOMALIA	79	88	CENTRAL RANGELANDS DEVELOPMENT	20884	1044
* Subsubtotal *					36455	2601
* BUREAU ASIA/NE						
4970276	INDONESIA	79	89	PROVINCIAL AREA DEVELOPMENT PROGRAM II	41500	2490
4970293	INDONESIA	79	88	EASTERN ISLANDS AGRICULTURAL EDUCATION	11500	2300
4920289	PHILIPPINES	79	87	BICOL INTEGRATED AREA DEV III	5000	300
4930304	THAILAND	79	88	RENEWABLE NON-CONVENTIONAL ENERGY DEV.	5000	700
* Subsubtotal *					63000	5790
* BUREAU CENTRAL						
9311209	S&T	79	88	ENVIRON/NAT RESOURCES INFO BASE	3100	1240
9365301	S&T	79	88	RSCH ON ACCESS TO LAND, WATER/NATURAL RES	5290	?
* Subsubtotal *					8390	1240
* BUREAU LAC						
5110511	BOLIVIA	79	87	DEPARTMENTAL DEVELOPMENT CORPORATIONS	10000	500
5980605	LAC/REGIONAL	79	??	DEVELOPMENT OF ENVIRONMENTAL MGMT. SYSTEM	7030	352
5250191	PANAMA	79	88	WATERSHED MANAGEMENT	10000	2000
5960089	ROCAP	79	87	FUELWOOD AND ALTERNATIVE ENERGY SOURCES	8800	4400
* Subsubtotal *					35830	7252
** Subtotal **					143675	16883

APPENDIX THREE (Continued)

PROJECT NUMBER	COUNTRY	START	PACD	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
** PROJECTS STARTED: 1980						
* BUREAU AFRICA						
6980427	AFRICA REGIONAL	80	88	ENVIRONMENTAL TRNG. AND MGMT. IN AFRICA	7625	331
6330077	BOTSWANA	80	88	RURAL DEVELOPMENT (RURAL SECTOR GRANT II)	6876	688
6950103	BURUNDI	80	87	ALTERNATIVE ENERGY PEAT II	9000	?
6830230	NIGER	80	88	FORESTRY AND LAND USE PLANNING	4223	4223
6850235	SENEGAL	80	87	SENEGAL CEREALS PRODUCTION II	7700	693
* Subsubtotal *					35424	5985
* BUREAU ASIA/NE						
4970281	INDONESIA	80	88	CITANDUY RIVER BASIN DEVELOPMENT II	22850	2742
4970302	INDONESIA	80	92	APPLIED AGRICULTURE RESEARCH	33000	3960
6080159	MOROCCO	80	89	RENEWABLE ENERGY DEVELOPMENT	9671	290
3670129	NEPAL	80	88	RURAL AREA DEVELOPMENT-RAPTI ZONE	24000	2880
3670132	NEPAL	80	87	RESOURCE CONSERVATION AND UTILIZATION	26995	6750
4920343	PHILIPPINES	80	89	PROJECT DESIGN	18000	1800
3830055	SRI LANKA	80	88	REFORESTATION AND WATERSHED MANAGEMENT	10450	10450
4930294	THAILAND	80	89	HIGHLAND AREA DEVELOPMENT	16100	5635
* Subsubtotal *					161069	34507
* BUREAU CENTRAL						
9365519	S&T	80	90	FOREST RESOURCES MANAGEMENT	19821	19821
* BUREAU LAC						
5150148	COSTA RICA	80	87	AGRARIAN SETTLEMENT PRODUCTIVITY	10000	2000
5180031	ECUADOR	80	88	ENVIRONMENTAL CONSERVATION OPG-PVO	340	17
5190256	EL SALVADOR	80	88	PUBLIC SECTOR EMPLOYMENT	40885	17581
5220168	HONDURAS	80	89	NATURAL RESOURCES MANAGEMENT	14995	4498
5270202	PERU	80	87	LAND USE INVENTORY AND ENV PLANNING/ONER	1600	80
* Subsubtotal *					67820	24176
** Subtotal **					284134	84489

APPENDIX THREE (Continued)

PROJECT NUMBER	COUNTRY	START	PACD	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
** PROJECTS STARTED: 1981						
* BUREAU AFRICA						
6830240	NIGER	81	88	NIAMEY DEPARTMENT DEVELOPMENT PHASE II	13582	679
6500041	SUDAN	81	89	RURAL RENEWABLE ENERGY	5600	1400
* Subsubtotal *					19182	2079
* BUREAU ASIA/NE						
3880051	BANGLADESH	81	87	AGRICULTURAL RESEARCH II	41000	820
3860475	INDIA	81	87	MADHYA PRADESH SOCIAL FORESTRY	25000	25000
3670144	NEPAL	81	88	PVO CO-FINANCING	2750	275
4930308	THAILAND	81	88	NORTHEAST RAINFED AGRICULTURAL DEV.	10000	800
* Subsubtotal *					78750	26895
* BUREAU CENTRAL						
9300091	PPC/PDPR	81	??	RURAL DEVELOPMENT RESEARCH	2380	238
9365542	S&T	81	89	INNOVATIVE SCIENTIFIC RESEARCH	24180	4836
9380950	S&T/OFDA	81	??	EMERGENCY RELIEF AND REHABILITATION	6396	320
9365544	S&T/SCI	81	??	US/ISRAEL PROGRAM FOR COOP DVLPT RESEARCH	19000	1520
* Subsubtotal *					51956	6914
* BUREAU LAC						
5170126	DOMINICAN REPUBLIC	81	88	NATURAL RESOURCES MANAGEMENT	11000	4510
5180029	ECUADOR	81	88	ALTERNATIVE ENERGY SOURCES	2700	270
5200255	GUATEMALA	81	90	SMALL FARMER DIVERSIFICATION SYSTEMS	15696	1570
5210122	HAITI	81	90	AGROFORESTRY OUTREACH - PVO	11500	11500
5320065	JAMAICA	81	87	ENERGY SECTOR ASSISTANCE	13700	685
5320079	JAMAICA	81	89	TECHNICAL CONSULTATIONS AND TRAINING	18460	369
* Subsubtotal *					73056	18904
** Subtotal **					222944	54792

APPENDIX THREE (Continued)

PROJECT NUMBER	COUNTRY	START	PACD	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
** PROJECTS STARTED: 1982						
* BUREAU AFRICA						
6980424	AFRICA REGIONAL	82	88	ENERGY INITIATIVES FOR AFRICA	13500	4050
6980433	AFRICA REGIONAL	82	92	AFRICAN MANPOWER DEVELOPMENT II	42000	840
6950105	BURUNDI	82	87	BURURI FOREST	1144	1144
6310031	CAMEROON	82	89	AGRICULTURAL EDUCATION	45481	9096
6880218	MALI	82	91	LIVESTOCK SECTOR II	18294	1829
6250944	SAHEL REGIONAL	82	87	NIGER RIVER BASIN DEVELOPMENT (PHASE II)	10500	1050
6490122	SOMALIA	82	87	CDA FORESTRY PHASE I-REFUGEE AREAS	6000	6000
6210156	TANZANIA	82	??	FARMING SYSTEMS RESEARCH	3000	600
* Subsubtotal *					139919	24610
* BUREAU ASIA/NE						
3860474	INDIA	82	88	ALTERNATIVE ENERGY RESOURCES DEVELOPMENT	7000	3220
3860478	INDIA	82	90	MAHARASHTRA SOCIAL FORESTRY	30000	30000
4970333	INDONESIA	82	89	PUSPIPTEK ENERGY RESEARCH LABORATORY	12250	1836
4920366	PHILIPPINES	82	89	RAINFED RESOURCES DEVELOPMENT	26052	8337
4920375	PHILIPPINES	82	88	RURAL ENERGY DEVELOPMENT	25000	15000
3830075	SRI LANKA	82	87	MAHAWELI ENVIRONMENT PROJECT	5000	4000
* Subsubtotal *					105302	62394
* BUREAU CENTRAL						
9365517	S&T	82	87	ENVIRONMENTAL PLANNING & MANAGEMENT	8615	861
* Subsubtotal *					6115	0
* BUREAU LAC						
5170144	DOMINICAN REPUBLIC	82	88	ENERGY CONSERVATION AND RESOURCES DEV.	17532	1753
5180023	ECUADOR	82	90	FORESTRY SECTOR DEVELOPMENT	8100	8100
5320081	JAMAICA	82	87	AGROINDUSTRIAL DEVELOPMENT	10489	210
5270231	PERU	82	87	SEPAS EXPANDED REFORESTATION (FFW) - OPG	950	950
5270240	PERU	82	90	CENTRAL SELVA RESOURCE MANAGEMENT	22000	6160
* Subsubtotal *					59071	17173
** Subtotal **					310407	104177

APPENDIX THREE (Continued)

PROJECT NUMBER	COUNTRY	START	PACD	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
** PROJECTS STARTED: 1983						
* BUREAU AFRICA						
6980424.01	AFRICA REGIONAL	83	88	COMMUNAL AFFORESTATION-RWANDA (EIA)	?	?
6950106	BURUNDI	83	91	SMALL FARMING SYSTEMS RESEARCH	7790	390
6750204	GUINEA	83	89	SMALLHOLDERS PRODUCTION PREPARATION	3800	760
6880937	MALI	83	90	VILLAGE REFORESTATION	655	655
6490122	SOMALIA	83	87	JALALAQSI REFORESTATION PROJECT	808	768
6500064	SUDAN	83	88	EASTERN REFUGEE REFORESTATION CARE (OPG)	5050	5050
6600091	ZAIRE	83	89	APPLIED AGRICULTURE RESEARCH & EXTENSION	15000	750
* Subsubtotal *					33103	8372
* BUREAU ASIA/NE						
4980258.03	ASEAN	83	88	ASEAN WATERSHED MANAGEMENT	3000	3000
3860470	INDIA	83	92	AGRICULTURE RESEARCH	20000	4000
6080182	MOROCCO	83	93	PLANNING, ECON. AND STAT. FOR AG.	12500	625
3910481	PAKISTAN	83	91	FORESTRY PLANNING AND DEVELOPMENT	30600	30600
3910485	PAKISTAN	83	88	NORTH-WEST FRONTIER AREA DEVELOPMENT	50400	2520
* Subsubtotal *					116500	40745
* BUREAU CENTRAL						
9365518	S&T	83	90	COASTAL RESOURCES MANAGEMENT	8000	400
9365428	S&T/RD	83	89	APPROPRIATE TECHNOLOGY INTERNATIONAL II	24606	1968
* Subsubtotal *					32606	1968
* BUREAU LAC						
5110543	BOLIVIA	83	90	CHAPARE REGIONAL DEVELOPMENT	20750	3112
5200274	GUATEMALA	83	90	HIGHLANDS AGRICULTURAL DEVELOPMENT	12000	4200
5210169	HAITI	83	??	NGO SUPPORT	4096	4096
5270277	PERU	83	87	DISASTER RELIEF AND REHABILITATION	64960	3248
5960106	ROCAP	83	88	REG'L TROPICAL WATERSHED MANAGEMENT	6000	1800
* Subsubtotal *					107806	16456
** Subtotal **					290015	67542

APPENDIX THREE (Continued)

PROJECT NUMBER	COUNTRY	START	PACD	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
** PROJECTS STARTED: 1984						
* BUREAU AFRICA						
6550013	CAPE VERDE	84	90	WATERSHED DEV. (WATERSHED MANAGEMENT II)	12402	1240
6020001	COMOROS	84	91	LAND AND SOIL CONSERVATION (CARE (PVO))	3500	1400
6820957	MAURITANIA	84	94	OMVS AGRICULTURAL RESEARCH (CYCLE II)	11820	118
6980502.96	RWANDA	84	88	GITUZA FORESTRY	3000	2400
6964020	RWANDA	84	88	GITUZA FOREST	2500	1875
6850260	SENEGAL	84	90	COMMUNITY AND ENTERPRISE DEVELOPMENT - PVO	9000	450
6490134	SOMALIA	84	88	JUBA DEV. MENT ANALYTICAL STUDIES	8550	3420
* Subsubtotal *					50772	10903
* BUREAU ASIA/NE						
3860489	INDIA	84	91	HILL AREAS LAND AND WATER DEVELOPMENT	54000	3240
4970311	INDONESIA	84	91	UPLAND AGRICULTURE AND CONSERVATION	18900	2835
3780178	NEAR EAST REGIONAL	84	89	REGIONAL ENVIRONMENTAL ACTIVITIES	600	60
4920367	PHILIPPINES	84	92	PVO CO-FINANCING II	16000	2400
* Subsubtotal *					89500	8535
* BUREAU CENTRAL						
9400002.41	S&T	84	89	INVESTMENT PACKAGING	15200	456
* Subsubtotal *					15200	456
* BUREAU LAC						
5180046	ECUADOR	84	87	EMERGENCY REHABILITATION	23000	2300
5980616	LAC/REG. (MEXICO)	84	88	INTER-COUNTRY TECHNOLOGY TRANSFER	150	150
5250257	PANAMA	84	88	NATURAL RESOURCES EDUCATION (OPG)	1000	300
5380091	RDO/C	84	88	CUMBERLAND HYDRO ELECTRIC	8000	400
5380103	RDO/C	84	88	BASIC NEEDS TRUST FUND	12700	635
5380108	RDO/C	84	88	ST. KITTS/NEVIS RESOURCE MANAGEMENT	2000	600
* Subsubtotal *					46850	4385
** Subtotal **					202322	24279

APPENDIX THREE (Continued)

PROJECT NUMBER	COUNTRY	START	PACD	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
** PROJECTS STARTED: 1985						
* BUREAU AFRICA						
6330206	BOTSWANA	85	88	BOTSWANA ENERGY AND ENVIRONMENT PROGRAM	33	28
6860934	BURKINA FASO	85	89	SOUTHWEST REGIONAL REFORESTATION PROJECT	1000	1000
6310052	CAMEROON	85	95	AGRICULTURAL CEREALS RESEARCH	65344	13069
6770051	CHAD	85	89	PVO WATERSHED DEVELOPMENT	12725	636
6350219	GAMBIA	85	92	AGRICULTURAL RESEARCH & DIVERSIFICATION	18000	1800
6150263	KENYA	85	88	INTER-CHURCH RURAL DEVELOPMENT	?	?
6320221	LESOTHO	85	91	LESOTHO AGRIC PROD AND INST SUPP (LAPIS)	26100	1305
6120215	MALAWI	85	90	AGRICULTURAL RESEARCH AND EXTENSION	14000	700
6980427.96	RWANDA	85	??	RUHENGERI RESOURCE ANALYSIS AND MGMT.	?	?
6170263	UGANDA	85	88	FORESTRY TRAINING & ENVIRONMENTAL EDUC	?	?
* Subsubtotal *					137202	18538
* BUREAU ASIA/NE						
4980286	ASEAN	85	88	ASEAN COASTAL RESOURCES MANAGEMENT	5000	250
3980276	ASIA REGIONAL	85	95	FORESTRY RESEARCH & DEVELOPMENT	2500	2500
3860495	INDIA	85	90	NATIONAL SOCIAL FORESTRY SUPPORT	84700	84700
3670149	NEPAL	85	90	AGRICULTURAL RESEARCH AND PRODUCTION	10000	2000
* Subsubtotal *					102200	89450
* BUREAU CENTRAL						
9380267	FVA	85	90	CARE MATCHING GRANT (FVA)	8500	2975
9380230	FVA/PVC	85	90	BIDEN PELL DEVELOPMENT EDUCATION GRANTS	5200	104
9365547	S&T	85	95	FORESTRY/FUELWOOD RESEARCH AND DVL.	32800	32800
* Subsubtotal *					46500	35879

APPENDIX THREE (Continued)

PROJECT NUMBER	COUNTRY	START	PACD	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
* BUREAU LAC						
5150268	COSTA RICA	85	P8	GANDOCA LAND TITLING & WILDLIFE REFUGE	71	53
5420268	DOMINICA	85	88	DOMINICAN FOREST RESOURCES & DEVELOPMENT	54	54
5180268	ECUADOR	85	88	CUYABENO WILDLIFE PRODUCTION RESERVE	41	?
5210182	HAITI	85	88	NONGOVERNMENTAL ORGANIZATION SUPPORT II	3400	170
5970001	HONDURAS	85	??	CENTRAL AMERICA PEACE SCHOLARSHIPS	125379	?
5320113	JAMAICA	85	87	HILLSIDE ASSESSMENT	600	150
5960117	ROCAP	85	91	TREE CROP PRODUCTION	4940	4940
* Subsubtotal *					134485	5367
** Subtotal **					423994	149234
** PROJECTS STARTED: 1986						
* BUREAU AFRICA						
6980456	AFRICA REGIONAL	86	91	REGIONAL REMOTE SENSING II (EAST AFRICA)	2500	500
6980457	AFRICA REGIONAL	86	91	REMOTE SENSING II (WEST AFRICA)	1575	315
6310267	CAMEROON	86	90	COMMUNITY REFORESTATION (?) (CARE)	?	0
6880235	MALI	86	95	FORESTRY SECTOR DEVELOPMENT	15500	15500
6250977	SAHEL REGIONAL	86	93	SAHEL HUMAN RESOURCES DEVELOPMENT III	17000	1700
6850283	SENEGAL	86	93	REFORESTATION AND SOIL CONSERVATION	10000	10000
6170267	UGANDA	86	90	VILLAGE FORESTRY (CARE)	215	215
* Subsubtotal *					46790	28230
* BUREAU ASIA/NE						
4820007	BURMA	86	91	AGRICULTURAL PRODUCTION	30000	1500
3670156	NEPAL	86	90	REFORESTATION	3125	3125
* Subsubtotal *					33125	4625
* BUREAU CENTRAL						
9365438	S&T	86	96	DEV STRATEGIES FOR FRAGILE LANDS (DESFIL)	6100	3050
* BUREAU LAC						
5210191	HAITI	86	91	TARGETED WATERSHED MGMT (CONS. & IRR. MGMT)	15000	1500
** Subtotal **					101015	37405

APPENDIX THREE (Continued)

PROJECT NUMBER	COUNTRY	START	PACD	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
** PROJECTS STARTED: 1987						
* BUREAU AFRICA						
6980467	AFRICA REGIONAL	87	90	NATURAL RESOURCES MANAGEMENT SUPPORT	8510	4255
6790007	CONGO	87	91	CONGO MANPOWER TRAINING	2312	347
6500082	SUDAN	87	92	REFORESTATION AND ANTIDESERTIFICATION	12860	12860
* Subsubtotal *					23682	17462
* BUREAU ASIA/NE						
3980178	ASIA REGIONAL	87	87	REGIONAL ENVIRONMENTAL ACTIVITIES	1125	225
* Subsubtotal *					1125	225
* BUREAU CENTRAL						
9300100	PPC/WID	87	88	STRATEGIES IN DVLPT / TECH ASST IN WID	50	50
* Subsubtotal *					50	50
* BUREAU LAC						
5320101	JAMAICA	87	94	HILLSIDE AGRICULTURE	10000	1000
5250248	PANAMA	87	89	NATURAL RESOURCE MANAGEMENT	35700	35700
5960140	ROCAP	87	91	FRAGILE LAND MANAGEMENT	10000	5000
* Subsubtotal *					55700	41700
** Subtotal **					80557	59437
*** Total ***					2101324	603190

APPENDIX FOUR
FORESTRY PROJECTS ACTIVE IN 1987
PROJECTS LISTED BY PRIMARY CONTRACTOR TYPE

PROJECT NUMBER	COUNTRY	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
** CONTRACTOR TYPE: GOVERNMENT				
6250944	SAHEL REGIONAL	NIGER RIVER BASIN DEVELOPMENT (PHASE II)	10500	1050
6350202	GAMBIA	SOIL AND WATER RESOURCES MANAGEMENT UNIT	2747	137
6820233	MAURITANIA	HUMAN RESOURCE DEVELOPMENT	6591	66
6250960	SAHEL REGIONAL	? (TRAINING COMPONENT)	?	?
3830075	SRI LANKA	MAHAWELI ENVIRONMENT PROJECT	5000	4000
5200274	GUATEMALA	HIGHLANDS AGRICULTURAL DEVELOPMENT	12000	4200
5320065	JAMAICA	ENERGY SECTOR ASSISTANCE	13700	685
5980616	LAC/REG. (MEXICO)	INTER-COUNTRY TECHNOLOGY TRANSFER	150	150
5180046	ECUADOR	EMERGENCY REHABILITATION	23000	2300
5200255	GUATEMALA	SMALL FARMER DIVERSIFICATION SYSTEMS	15696	1570
5970001	HONDURAS	CENTRAL AMERICA PEACE SCHOLARSHIPS	125379	0
9311209	S&T	ENVIRON/NAT RESOURCES INFO BASE	3100	1240
9071199	INT'L TRAINING		?	0
9365519	S&T	FOREST RESOURCES MANAGEMENT	19821	19821
** Subtotal **			237684	25219
** CONTRACTOR TYPE: PRIVATE				
6150172	KENYA	ARID AND SEMI-ARID LANDS DEV (KITUI)	15571	1557
6330077	BOTSWANA	RURAL DEVELOPMENT (RURAL SECTOR GRANT II)	6876	688
6490108	SOMALIA	CENTRAL RANGELANDS DEVELOPMENT	20884	1044
6500041	SUDAN	RURAL RENEWABLE ENERGY	5600	1400
6550013	CAPE VERDE	WATERSHED DEV. (WATERSHED MANAGEMENT II)	12402	1240
6830240	NIGER	NIAMEY DEPARTMENT DEVELOPMENT PHASE II	13582	679
6850235	SENEGAL	SENEGAL CEREALS PRODUCTION II	7700	693
6850283	SENEGAL	REFORESTATION AND SOIL CONSERVATION	10000	10000
6980424	AFRICA REGIONAL	ENERGY INITIATIVES FOR AFRICA	13500	4050

APPENDIX FOUR (Continued)

PROJECT NUMBER	COUNTRY	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
6980424.01	AFRICA REGIONAL	COMMUNAL AFFORESTATION-RWANDA (EIA)	?	?
6950103	BURUNDI	ALTERNATIVE ENERGY PEAT II	9000	?
4920366	PHILIPPINES	RAINFED RESOURCES DEVELOPMENT	26052	8337
4970276	INDONESIA	PROVINCIAL AREA DEVELOPMENT PROGRAM II	41500	2490
4970281	INDONESIA	CITANDUY RIVER BASIN DEVELOPMENT II	22850	2742
4970302	INDONESIA	APPLIED AGRICULTURE RESEARCH	33000	3960
4970311	INDONESIA	UPLAND AGRICULTURE AND CONSERVATION	18900	2835
4920343	PHILIPPINES	PROJECT DESIGN	18000	1800
3670156	NEPAL	REFORESTATION	3125	3125
5110543	BOLIVIA	CHAPARE REGIONAL DEVELOPMENT	20750	3112
5150148	COSTA RICA	AGRARIAN SETTLEMENT PRODUCTIVITY	10000	2000
5190256	EL SALVADOR	PUBLIC SECTOR EMPLOYMENT	40885	17581
5220168	HONDURAS	NATURAL RESOURCES MANAGEMENT	14995	4498
5270202	PERU	LAND USE INVENTORY AND ENV PLANNING/ONER	1600	80
5270240	PERU	CENTRAL SELVA RESOURCE MANAGEMENT	22000	6160
5980605	LAC REGIONAL	DEVELOPMENT OF ENVIRONMENTAL MGMT. SYSTEM	7030	352
5320081	JAMAICA	AGROINDUSTRIAL DEVELOPMENT	10489	210
5320079	JAMAICA	TECHNICAL CONSULTATIONS AND TRAINING	18460	369
5380000	RDO/C	PROJECT DEVELOPMENT AND SUPPORT	1730	173
9365438	S&T	DEV STRATEGIES FOR FRAGILE LANDS (DESFIL)	6100	3050
** Subtotal **			432581	84225
** CONTRACTOR TYPE: PSC (PERSONAL SERVICES CONTRACT)				
6490122	SOMALIA	CDA FORESTRY PHASE I-REFUGEE AREAS	6000	6000
6880937	MALI	VILLAGE REFORESTATION	655	655
5170126	DOMINICAN REPUBLIC	NATURAL RESOURCES MANAGEMENT	11000	4510
5250186	PANAMA	INTEGRATED RURAL DEVELOPMENT	9700	970
5250191	PANAMA	WATERSHED MANAGEMENT	10000	2000
5270277	PERU	DISASTER RELIEF AND REHABILITATION	64960	3248
5320101	JAMAICA	HILLSIDE AGRICULTURE	10000	1000
5180023	ECUADOR	FORESTRY SECTOR DEVELOPMENT	8100	8100
6830230	NIGER	FORESTRY AND LAND USE PLANNING	4223	4223
** Subtotal **			124638	30706

APPENDIX FOUR (Continued)

PROJECT NUMBER	COUNTRY	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
** CONTRACTOR TYPE: PVO (PRIVATE VOLUNTARY ORGANIZATION)				
6020001	COMOROS	LAND AND SOIL CONSERVATION (CARE (PVO))	3500	1400
6500064	SUDAN	EASTERN REFUGEE REFORESTATION CARE (OPG)	5050	5050
6850260	SENEGAL	COMMUNITY AND ENTERPRISE DEVELOPMENT--PVO	9000	450
6860934	BURKINA FASO	SOUTHWEST REGIONAL REFORESTATION PROJECT	1000	1000
6980502.96	RWANDA	GITUZA FORESTRY	3000	2400
6320221	LESOTHO	LESOTHO AGRIC PROD AND INST SUPP (LAPIS)	26100	1305
6770051	CHAD	PVO WATERSHED DEVELOPMENT	12725	636
6150263	KENYA	INTER-CHURCH RURAL DEVELOPMENT	?	?
6170267	UGANDA	VILLAGE FORESTRY (CARE)	215	215
6170263	UGANDA	FORESTRY TRAINING & ENVIRONMENTAL EDUC	?	?
6310267	CAMEROON	COMMUNITY REFORESTATION (?) (CARE)	?	?
6330206	BOTSWANA	BOTSWANA ENERGY AND ENVIRONMENT PROGRAM	33	28
6490122	SOMALIA	JALALAQSI REFORESTATION PROJECT	808	768
6495012	SOMALIA	AGRO-FORESTRY PROJECT REFUGEE-RELATED	373	373
6964020	RWANDA	GITUZA FOREST	2500	1875
3670149	NEPAL	AGRICULTURAL RESEARCH AND PRODUCTION	10000	2000
3780178	NEAR EAST REGIONAL	REGIONAL ENVIRONMENTAL ACTIVITIES	600	60
3860470	INDIA	AGRICULTURE RESEARCH	20000	4000
3860474	INDIA	ALTERNATIVE ENERGY RESOURCES DEVELOPMENT	7000	3220
3880051	BANGLADESH	AGRICULTURAL RESEARCH II	41000	820
3910481	PAKISTAN	FORESTRY PLANNING AND DEVELOPMENT	30600	30600
4970333	INDONESIA	PUSPIPTEK ENERGY RESEARCH LABORATORY	12250	1838
3980276	ASIA REGIONAL	FORESTRY RESEARCH & DEVELOPMENT	2500	2500
3670144	NEPAL	PVO CO-FINANCING	2750	275
3980178	ASIA REGIONAL	REGIONAL ENVIRONMENTAL ACTIVITIES	1125	225
5180029	ECUADOR	ALTERNATIVE ENERGY SOURCES	2700	270
5189999	ECUADOR	PRIVATE AND VOL ORGANIZATIONS - OPG'S	?	?

APPENDIX FOUR (Continued)

PROJECT NUMBER	COUNTRY	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
5219999	HAITI	PRIVATE AND VOL ORGANIZATIONS - (OPG'S)	2192	110
5250257	PANAMA	NATURAL RESOURCES EDUCATION (OPG)	1000	300
5210182	HAITI	NONGOVERNMENTAL ORGANIZATION SUPPORT II	3400	170
5210092	HAITI	AG DEVELOPMENT SUPPORT II	3808	952
5150268	COSTA RICA	GANDOCA LAND TITLING & WILDLIFE REFUGE	71	53
5180268	ECUADOR	CUYABENO WILDLIFE PRODUCTION RESERVE	41	0
5420268	DOMINICA	DOMINICAN FOREST RESOURCES & DEVELOPMENT	54	54
9365542	S&T	INNOVATIVE SCIENTIFIC RESEARCH	24180	4836
9365547	S&T	FORESTRY/FUELWOOD RESEARCH AND DVL.	32800	32800
9380267	FVA	CARE MATCHING GRANT (FVA)	8500	2975
9361406	S&T/PO	S&T SMALL ACTIVITIES GRANTS	?	0
9365428	S&T/RD	APPROPRIATE TECHNOLOGY INTERNATIONAL II	24606	1968
9300100	PPC/WID	STRATEGIES IN DVLPT / TECH ASST IN WID	50	50
9300091	PPC/PDPR	RURAL DEVELOPMENT RESEARCH	2380	238
9300077	PPC/PD	ENERGY, SCIENCE, AND TECHNOLOGY STUDIES	?	?
9380230	FVA/PVC	BIDEN PELL DEVELOPMENT EDUCATION GRANTS	5200	104
** Subtotal **			302111	105918
** CONTRACTOR TYPE: UNIVERSITY				
6120215	MALAWI	AGRICULTURAL RESEARCH AND EXTENSION	14000	700
6350219	GAMBIA	AGRICULTURAL RESEARCH & DIVERSIFICATION	18000	1800
6980427	AFRICA REGIONAL	ENVIRONMENTAL TRNG. AND MGMT. IN AFRICA	7625	381
6980427.96	RWANDA	RUHENGERI RESOURCE ANALYSIS AND MGMT.	?	0
6980433	AFRICA REGIONAL	AFRICAN MANPOWER DEVELOPMENT II	42000	840
3670129	NEPAL	RURAL AREA DEVELOPMENT-RAPTI ZONE	24000	2880
3670132	NEPAL	RESOURCE CONSERVATION AND UTILIZATION	26998	6750

APPENDIX FOUR (Continued)

PROJECT NUMBER	COUNTRY	PROJECT TITLE	LIFE OF PROJECT OBLIGATION (\$1000)	FORESTRY OBLIGATION OVER LOP (\$1000)
3830055	SRI LANKA	REFORESTATION AND WATERSHED MANAGEMENT	10450	10450
4930308	THAILAND	NORTHEAST RAINFED AGRICULTURAL DEV.	10000	800
4970293	INDONESIA	EASTERN ISLANDS AGRICULTURAL EDUCATION	11500	2300
6080159	MOROCCO	RENEWABLE ENERGY DEVELOPMENT	9671	290
4980286	ASEAN	ASEAN COASTAL RESOURCES MANAGEMENT	5000	250
5170144	DOMINICAN REPUBLIC	ENERGY CONSERVATION AND RESOURCES DEV.	17532	1753
5210122	HAITI	AGROFORESTRY OUTREACH - PVO	11500	11500
5210169	HAITI	NGO SUPPORT	4096	4096
5960089	ROCAP	FUELWOOD AND ALTERNATIVE ENERGY SOURCES	8800	4400
5960106	ROCAP	REG'L TROPICAL WATERSHED MANAGEMENT	6000	1800
5960117	ROCAP	TREE CROP PRODUCTION	4940	4940
9365301	S&T	RSCH ON ACCESS TO LAND, WATER/NATURAL RES	5290	?
9365318	S&T	COASTAL RESOURCES MANAGEMENT	8000	400
9365544	S&T/SCI	US/ISRAEL PROGRAM FOR COOP DVLPT RESEARCH	19000	1520
** Subtotal **			264402	57450
*** Total (includes projects with unknown contractor types) ***			2101324	603563

FORESTRY AND NATURAL RESOURCES PROJECTS PORTFOLIO
 BUREAU FOR SCIENCE AND TECHNOLOGY

936-5519

FOREST RESOURCES MANAGEMENT

S&T

THE PROJECT CONSISTS OF TWO MAJOR COMPONENTS: 1) THE FORESTRY SUPPORT PROGRAM (FSP), WHICH PROVIDES AID/W AND FIELD MISSIONS WITH TECHNICAL ADVICE IN TROPICAL FORESTRY AND NATURAL RESOURCES (FUELWOOD, NATURAL WOODLANDS, AGROFORESTRY, REFORESTATION, COMMUNITY RESOURCE USE) AND LOCATES LONG-TERM STAFF AND SHORT-TERM CONSULTANTS FOR AID OR COOPERATIVE AID/PEACE CORPS PROJECTS; AND 2) A JOINT AID/PEACE CORPS FORESTRY INITIATIVE, WHICH PROVIDES TECHNICAL PROGRAMMING AND BACKSTOPPING EXPERTISE TO PEACE CORPS AND DEVELOPS COLLABORATIVE COMMUNITY-BASED FORESTRY PROJECTS THAT CAN BE STAFFED BY PEACE CORPS VOLUNTEERS.

PROJECT PERIOD:	Start 80/09	PACD 90/09	Status ACTIVE
-----------------	----------------	---------------	------------------

AMOUNTS (\$000's):	Grant 19821	Loan 0	LDP 19821
--------------------	----------------	-----------	--------------

COMPONENT (pcts):	Nat Res 100	Forestry 100
-------------------	----------------	-----------------

CONTRACTORS:

PHONE:

USDA OFFICE OF INTERNAT'L COOP. & DEV.
 GARY WETTERBERG
 FOREST SERVICE--IF/FSP
 P.O. BOX 2417
 WASHINGTON DC 20013

(703)235-2432

PEACE CORPS
 GEORGE MAHAFFEY
 OFF. OF TRNG. & PROGRAM SUPPORT #701
 806 CONNECTICUT AVENUE, NW
 WASHINGTON DC 20526

(202)254-8890

OBLIGATIONS

Fiscal Year	Total (\$000's)	Nat Res (\$000's)	Forestry (\$000's)
1979	0	0	0
1980	630	630	630
1981	0	0	0
1982	1296	1296	1296
1983	1090	1090	1090
1984	2623	2623	2623
1985	1151	1151	1151
1986	2000	2000	2000
1987	2207	2207	2207
1988	1017	1017	1017
1989	1017	1017	1017

AID PROJECT OFFICER:

DAN DEELY
 S&T/FENR
 ROOM 503C SA-18
 USAID
 WASHINGTON D.C. 20523