

USDA/Forest Service
PASA 525-P-AG-98-0072-00
Final Report for USAID/Panama

May 2003

**USDA/FOREST SERVICE
PASA 525-P-AG-98-00072-00
FINAL REPORT
FOR USAID/PANAMA**

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This work was completed for USAID/Panama by the USDA Forest Service International Institute of Tropical Forestry (under USAID-PASA No. 525-AG-98-00072-00) with assistance from USDA-Foreign Agricultural Service, Office of International Cooperation and Development.

PASA BACKGROUND

In October 1997 the USAID/Panama Mission contacted USDA to request information on developing a Participating Agency Service Agreement (PASA) between the two parties. Soon after, the Mission contacted Gerald Bauer, USDA Forest Service employee assigned to the International Institute of Tropical Forestry in Rio Piedras Puerto Rico to ask for his assistance in developing this PASA. At the time the Mission contacted Mr. Bauer, he was nearing completion of a PASA with the USAID/Mission in Nicaragua.

Subsequently, Mr. Bauer traveled to Panama in December 1997 and again in February 1998 to work with the Mission to develop the PASA. During these technical assistance visits the Mission asked Mr. Bauer if he would accept the position as a Long-term Forestry Advisor under this PASA. The Mission stated that they wanted a natural resource trained expert who had “strong field experience in Latin America and a proven track record of working successfully with governmental organizations and non-governmental organizations”. They expressed that the Mission did not have a strong technical staff and that they wanted to improve this capability within the Mission and also to provide stronger technical support to counterparts.

USDA and the Forest Service agreed to assign Mr. Bauer to this PASA and in mid June 1998 Mr. Bauer transferred from Nicaragua to Panama.

The original PASA agreement was for the period from 1 April 1998 until 31 December 1999. During the 1999 Calendar Year the PASA was extended until 30 September 2001. During the 2001 Calendar Year the PASA was extended until 30 June 2002.

LONG-TERM FORESTRY ADVISOR RESPONSIBILITY

The primary task of the PASA was to assist activities supporting the achievement of the USAID/Panama Strategic Objective, *Improve management and the protection of the Panama Canal Watershed*. The primary task of the Long-term Forestry Advisor was to serve as the Mission’s specialist in matters related to the environmental conservation and protection of the Panama Canal watershed.

Specific duties assigned to the long-term advisor in the Position Description for this PASA were:

- to serve as an advisor to the Mission on activities related to environmental protection of the PCW.
- to serve as a member of the Mission’s Strategic Objective and Special Objective task forces.
- to provide expert advice to the Project Manager of the MARENA project
- to serve as the Mission’s technical representative for the environmental trust fund FIDECO.

- to coordinate regional USAID activities such as PROARCA with Mission
- to contribute to preparation, management and update of the Mission's results packages.
- to develop and maintain effective relationships with partners and customers
- to establish and maintain effective liaison with other donors
- to participate in Mission senior staff meetings
- to undertake and carry out special studies or assignments and activities
- to prepare progress and special reports and studies as required by Mission.

In addition to these duties (and not stated in the PASA Scope of Work), the Long-term Advisor was appointed by the Mission Director to assume the Acting Team Leader role for the Office Sustainable Development and the entire Strategic Objective for the first 18 months of his assignment. This was due to the fact that the AID Direct Hire employee that was occupying this role left the Mission on short notice and it took a long time for this person to be replaced. Upon the arrival of a new Team Leader the PASA Long-term Advisor, at the request of the Mission, continued to function as the Forestry Advisor and the Program Manager (also referred to as an Activity Manager) and Team Leader for the Intermediate Result #2 Natural Resource Management (even though these duties were not officially within the PASA position description). Thus, the Long-term Forestry Advisor functioned in a dual role, as a Senior Manager as well as a Senior Technical Advisor for the entire PASA period.

SHORT-TERM TECHNICAL ASSISTANCE

At the request of USAID/Panama Mission and local counterparts (both governmental agencies and NGOs) short-term advisers were utilized to provide specific, expert assistance. A summary of the short-term technical assistance contributions is given in the text below.

PROGRAM RESULTS

The most significant results of the PASA contribution is summarized in the tables below. What is not summarized in this text is the professional dimension that the PASA has brought to the Mission and to Panama. The Long-term Forestry Advisor is a very well-known expert in natural resources and environmental management in Central America. He, the USDA Office of International Cooperation, and his home office, the US Forest Service's International Institute of Tropical Forestry are looked upon as leaders in these fields. Many short-term advisors were used to help implement this PASA. The short-term advisors utilized, like the long-term advisor, were senior, high-level experts in the fields in which they assisted. Most of them had previous USAID experience in several countries (more detailed information on the accomplishments of the short-term advisors is given in the section below and Table2). Also, the long-term advisor and many of the short-term advisors functioned as mentors to many local counterparts, from both governmental agencies and NGOs.

Contracts and Cooperative Agreements managed by PASA Long-term Forestry Advisor (Table 1)

The Long-term Forestry Advisor managed several distinct forms of contracts for the Mission, ranging from bi-lateral agreements between Government of Panama and Government of U.S. to cooperative agreements to contracts. The total amount of the contracts and agreements managed by the Long-term Forestry Advisor is equal to about \$10.5 million.

In addition to providing oversight and backstop to these contracts and agreements, the Long-term Forestry Advisor provided technical guidance and assistance when necessary. He worked with the contractor(s) to assure that they were meeting contract requirements in an effective and efficient manner, as well as in a sound technical means.

Some significant high-lights of contract and agreement management are:

- PASA Long-term Forestry Advisor provided technical guidance to begin GreenCOM activities in Panama. The original GreenCOM contract terminated successfully in March 2001 and a new five-year contract was started in 2001. Today, the GreenCOM contract has been selected by the Mission to be the “umbrella” contract for all Mission activities. Thus, the idea brought to the Mission by the PASA of utilizing the GreenCOM mechanism to help fulfill the Mission’s environmental strategy has been accepted and will have along-term impact on how the Mission functions for many years to come.
- On very short notice, through the PASA, a cooperative agreement with The Nature Conservancy was initiated to provide assistance to ANAM in developing a performance monitoring program. This was done to meet a meet requirements of a USAID audit.

Short-term technical assistance provided to USAID/Panama through the PASA (Table 2)

Under the technical direction and leadership of the Long-term Forestry Advisor, a total of 51 short-term technical assistance “activities” took place during the four-year duration of this PASA. Most of this was in the form of short-term trips made to Panama by a variety of experts to provide specific technical assistance as requested by the Mission or by local counterparts (with approval from the Mission). In some cases, short-term assistance was provided as direct dollar contributions to a specific activity or the PASA leveraged funds from other sources outside of AID. In total, it is estimated that the PASA contributed about \$387,850 of funds from outside AID to the USAID/Panama natural resource programs. Total PASA short-term estimated dollar contributions to Mission programs can be broken down as follows:

Funding Source		Estimated Dollar Contribution	Percent of all short-term funds
• USFS-IP & Other sources	=	\$194,000	31%
• USDA-USFS(IITF)	=	\$193,850	31%
• USAID/Panama PASA	=	\$232,030	38%

Thus, the USAID/Panama program dollars were only used for 38% of all short-term PASA contributions costs. The *USDA, Forest Service and outside funding sources provided the funds for 62% of all PASA short-term contributions.*

One of the advantages to USAID from the PASA mechanism is the option of bringing in senior-level experts from a variety of sources. For the Panama activities, PASA short-term advisors were utilized from the cadre of experts from the US Forest Service, from the USDA Office of International Cooperation, from US Universities, from the private sector, and from international NGOs. Whenever possible regional advisors were used to reduce costs and to form networks and partnerships with regional experts. In most cases advisors utilized by the PASA had more than 20 years of professional experience, spoke fluent Spanish, and had previous work experience in LAC and for USAID.

Some significant high-lights of short-term advisors contributions are:

- The PASA leveraged about \$387,850 in funds from source outside USAID/Panama, accounting for about 62% of all short-term PASA funding.
- Contributed a total of 1,014 person-days of technical assistance.
- Developed and adapted techniques in Panama for use elsewhere in Central America.
- The PASA used creative thinking, new ideas, new concepts, and “risk taking” to introduce to Panama environmental and protected area concepts and management tools. Many activities done by the PASA were new to Panama and the Mission. Many “first time” activities using new ideas and concepts that contributed to advancements in protected area management in Panama were utilized by the PASA. Examples include, Recreation Opportunity Spectrum and Visual Quality Management, Limits of Acceptable Change, Image Identification, Sign Plans, Interpretation, Nature Guide Training and similar activities (see Table 3 for a list of “First time” activities for more detail). After the termination of the PASA the Mission chose to keep using these concepts, ideas and management tools to further their advancement in their strategic objectives.

- Created new professional linkages and synergies between Panama and USA.
- Produced 29 technical reports, most in Spanish and English languages (see Table 6 for more detail).
- Many short-term Technical Advisors were utilized to help meet the Mission strategy. Very high-quality, senior level experts from the USDA, US Forest Service, US Universities, US NGOs and the private sector were brought in through the PASA. Even after the PASA was completed the Mission chose to keep using some of the experts that the PASA brought to the Mission to continue to help meet the Mission strategy.

“First time” conservation activities initiated by PASA technical assistance (Table 3)

As stated earlier, the PASA provide technical assistance as requested by the Mission and by local counterparts (going through the Mission). In order to meet these request, the PASA Long-term Forestry Advisor worked with the Government of Panama agencies and with NGOs and local communities to help guide the technical assistance in the direction and in the technical areas requested. In many instances, the technical assistance provided was creative and cutting edge and were “first time” initiatives for Panama. Most of these first time initiatives are now part of strategies and management plans for NGOs, local communities, GOP agencies and USAID. For example, USAID current strategies for FY03 states:

Planned FY 2003 Program: DA resources requested in FY 2003 will be used to consolidate capacity building in local governments, NGOs, and the grassroots community-based organizations. The increased financial resources raised by NGOs or generated by incentive ecological trust funds will be marshaled, under the coordination of the CICH, into a consensual and concerted effort to address key issues related to the conservation and protection of the PCW. In addition, DA resources are critical to strengthen its support of ecotourism and co-management for protected areas as means of securing the long-term ecological and financial security of the parks. Technical assistance will be provided to further develop ecotourism opportunities for local communities, create co-management mechanisms for protected area management and increase the involvement of the private sector in conservation programs in the PCW. Specific activities include but are not limited to a co-management arrangement for one protected area, updating and completion of management plans for all PCW protected areas, completion of signage and interpretation plans for all PCW parks, and drafting of a public relations strategy for the Panama Canal Authority.

Almost all of these type of activities were initiated under PASA technical assistance, such as ecotourism with local communities, involvement of private sector in conservation programs, , co-management, signage and interpretation plans. Table 3 shows thirty-two activities that were initiated under the PASA and have contributed to the formulation of Aid’s long-term strategy.

Strategic Partnerships developed through leadership and guidance from PASA (Table 4)

The PASA assisted with the development of long-term partnerships between the private sector and GOP agencies and/or NGOs. Table 4 list some major partnerships that were initiated with PASA technical assistance.

To date, *these partnerships have helped to generate more than \$75,000 for local NGOs to use for conservation programs.* The most successful and outreaching partnership has been with Metropolitan Natural Park, through their program of materials production and private sector support for this.

There are many more opportunities for private sector involvement in conservation programs in the PCW, and at a much bigger scale than was accomplished under the guidance of the PASA. It is understood that USAID is strongly supporting the development of these private sector partnerships in their current strategy. Thus, *the leadership and direction that was provided by the PASA in this area has helped the Mission formulate their long-term strategy and will be continued by USAID.*

Funds leveraged through leadership and guidance from PASA to assist implementation of USAID/Panama Strategic Objectives (Table 5)

Through the PASA, funds were leveraged from other US Governmental agencies and NGOs to assist local NGOs and Government of Panama agencies with the implementation of projects within the USAID strategy. *About \$120,000 of leveraged funds* from the US Forest Service and the National Fish and Wildlife Foundation were acquired during the PASA. The PASA Long-term Forestry Advisor provided the leadership to leverage these funds and the technical backstop to local partners that received them. Most of these funds trickled down to smaller NGOs and communities.

Some of the products from the use of these funds include: CY2003 Harpy eagle educational pamphlet and calendar by Audubon Society, childrens wildlife cards by ANAM and GTZ, environmental educational material, annual report, and high-quality signs and kiosk for Metropolitan Natural Park, video about the Panama Conservation Trust Fund by Fundación Natura (in production), very high-quality souvenir book, “Panama’s Caribbean Treasure” (English and Spanish versions) by CEASPA, educational books on birds of Panama by Audubon Society (in production), regional co-management workshop by ANAM, and promotional materials for sustainable ecotourism program by Emberá Drua.

Technical reports produced by PASA (Table 6)

Twenty six high-quality technical reports were produced by the PASA advisors. These reports covered the gamut of technical areas in which the advisors provided assistance. Most reports were produced in both English and Spanish. Multiple copies of the reports,

in hardcopy and CD electronic formats, were produced and given to counterparts and partners. All the reports were also deposited in the USAID/Panama files.

In addition, many of the reports were sent to other USAID Missions and projects. Much of this work is being used as models in other USAID projects in Central America and other countries.

Local counterparts participation in professional conferences (Table 7)

The PASA provide technical guidance and support for local counterparts to participate in professional conferences. In both 1999 and 2001 the PASA supported four local participants to attend the National Association for Interpretation “National Interpreters Workshop.” This is the largest such workshop in the world for professional interpreters.

PASA advisors participation in professional conferences, seminars and workshops (Table 8)

To promote the USAID program and as a “value added” service to USAID, PASA advisors gave technical presentations at international conferences and seminars, to AID and USDA offices in Washington DC, and at US universities. A total of thirteen presentations were given from 2000 to 2002. In addition to this, even though the PASA was officially terminated in June 2002, USDA employees are still promoting USAID/Panama programs and conservation of the Panama Canal Watershed by giving technical presentations at professional conferences. All of this is being undertaken at no cost to the USAID/Panama Mission.

Use of conservation photographs provided by PASA for use on world wide web (Table 9) and Use of conservation photographs provided by PASA for use by counterparts (Table 10)

As USAID provides assistance to local counterparts to develop programs to promote the PCW, develop ecotourism programs, build awareness, and etc. it is becoming more and more evident the need for high-quality professional level photography. Through the PASA, literally thousands of photographs have been donated to many groups, organizations, counterparts, and governmental agencies to assist them in implementing their objectives. Such photographs have been used on web pages, in technical reports, didactic and educational materials. Photographs provided through the PASA have been used so numerously that it is impossible to even track how much they have been used. Tables 9 and 10 attempt to display the major areas where some of these photographs have been used. It is estimated that these table show only about 50% of the use of photographs provide through the PASA.

Use of conservation photographs by GreenCOM

The GreenCOM Environmental Education and Communication Project is a USAID Global program and one of the largest contractors for USAID/Panama. In Panama, this project develops educational and promotional materials about the conservation of the PCW. It relies heavily on graphics and high-quality photography. Early on in the GreenCOM contract the Mission and GreenCOM asked the PASA advisors to provide photography for use in project activities. GreenCOM has relied almost entirely on the PASA to provide the photography needed for these activities. It is estimated that GreenCOM has saved thousands of dollars by using these photographs when compared to what they would have had to pay a commercial photographer to take photographs for them.

Examples of how GreenCOM has used high-quality photography provided from the PASA includes:

- PCW public awareness campaign posters
- TV spots for public awareness campaign
- brochures for ANAM, APC, NGOs and other local counterparts
- PowerPoint presentations for local focus groups, technical talks, and etc.
- PowerPoint presentations to USAID/Washington, TAG meetings, and etc.
- GreenCOM global project web site
- GreenCOM global project newsletters
- ANAM Protected Area maps and brochures
- NGO promotional materials

Since the PASA has terminated the USDA has been contacted several times by Panamanian counterparts requesting then use of more photographs for their projects and the GreenCOM project continues to rely heavily on photographs provided from the PASA. Thus, another example of the long-term benefits from the PASA and USDA and the Forest Service.

Institutions and organizations with which PASA has developed strategic partnerships and/or cooperation for benefit of USAID/Panama (Table 11)

The PASA Long-term Forestry Advisor developed many strategic partnerships and working relationships with persons from all sectors of society. These strategic partnerships will help USAID implement their programs and strategic objectives long into the future. Table 11 shows some of the most important partners and cooperators that worked with the PASA.

Appendix 1 - Tables

Table 1. Contracts and cooperative agreements managed by PASA Long-term Forestry Advisor.

Contractor (Mechanism)	Dates	Dollar Value of Contract	Objectives	Comments
• International Institute of Education CLASP II (Contract))	15 June 1998 to 30 September 2000	\$3,000,000	- environmental training to local communities	- about 200 local community members trained
• TechnoServe (Cooperative Agreement)	15 June 1998 to 31 July 1999		- agroforestry managed by local NGO	
• ANAM (Project Implementation Letter)	15 June 1998 to 30 June 2001	\$1,0205,000	- improved Protected Area management in PCW	- LTTA provided technical guidance at request of ANAM
			- to develop agroforestry activities in local communities adjacent to Protected Areas	- STTA provided expert technical assistance at request of ANAM
• Free Market Development Advisor Program (FMDA) (Cooperative Agreement)	15 June 1998 to 30 September 2000	\$200,000	- provide technical assistance to local counterparts	- LTTA provided technical guidance and leadership to FMDAs
				- LTTA worked with local counterparts to define work activities of advisors

Table 1. Contracts and cooperative agreements managed by USDA/Forest Service Long-term Forestry Advisor.

Contractor (Mechanism)	Dates	Dollar Value of Contract	Objectives	Comments
<ul style="list-style-type: none"> Academy for Education Development GreenCOM I (Buy-in to IQC) 	18 Sept. 1998 to 27 March 2001	\$2,353,233	- environmental education & communication	<ul style="list-style-type: none"> LTTA provided technical guidance & leadership to this contract STTA provided TA to this contract
<ul style="list-style-type: none"> Academy for Education Development GreenCOM II (Buy-in to IQC) 	28 March 2001 to 27 March 2006	\$3,807,029	- environmental education & communication	<ul style="list-style-type: none"> LTTA provided technical guidance & leadership to this contract STTA provided TA to this contract
<ul style="list-style-type: none"> Audubon Society of Panama (Cooperative Agreement) 	1 January 2001 to 1 October 2001	\$44,472	- journalist training to broaden basic knowledge about conservation, protected areas, and environment (51 participants)	<ul style="list-style-type: none"> LTTA provided technical guidance LTTA developed this CA at request of ANAM STTA advisors taught primary part of this workshop

Table 1. Contracts and cooperative agreements managed by USDA/Forest Service Long-term Forestry Advisor.

Contractor (Mechanism)	Dates	Dollar Value of Contract	Objectives	Comments
				<ul style="list-style-type: none"> - First time this type of workshop conducted in Panama - local environmental authority contracts STTA for future repeat of workshop, using World Bank funds - Several groups are asking for repeat of this workshop
<ul style="list-style-type: none"> • The Nature Conservancy (Cooperative Agreement) 	14 May 2001 to 13 December 2002	\$27,328	<ul style="list-style-type: none"> - develop performance monitoring system for protected areas 	<ul style="list-style-type: none"> - LTTA developed this CA in response to AID performance audit

Table 2. PASA Short-term technical assistance to USAID/Panama (June 1998 to June 2002)

					Estimated Cost				
No.	Purpose	Person	TA Dates	Total No. Days Contrib	USFS IP or Other Cost	Panama PASA Cost	USDA & USFS IITF	Total Cost	Comments
1A	Review Ecological Monitoring Program	Andy Gillespie	25-31 Aug 98	7	\$0.00	\$1,100.00	\$1,800.00	\$2,900.00	
1B		Fred Scatena	25-31 Aug 98	7	\$0.00	\$1,100.00	\$1,800.00	\$2,900.00	
2	Review Agroforestry Program	Sara Workman	Nov-98	8	\$1,000.00	\$0.00	\$2,000.00	\$3,000.00	
3A	(a) assess opportunities for mahogany line planting; (b) discuss design and implementation of monitoring program for agroforestry; (c) discuss possibility of national agroforestry conference	Pete Weaver	17-27 Feb 99	10	\$0.00	\$1,400.00	\$2,000.00	\$3,400.00	
3B		Sara Workman	17-27 Feb 99	10	\$0.00	\$1,200.00	\$2,000.00	\$3,200.00	
4A	Assist PROARCA roundtable	Scott Lampman	3-6 May 99	4	\$2,500.00	\$0.00	\$21,000.00	\$23,500.00	USFS cost is grant to support meeting
4B		Scott Lewis	3-7 May 99	5		\$0.00	\$2,800.00	\$2,800.00	
4C		Bill Edwards	6-11 May 99	6	\$0.00	\$0.00	\$3,200.00	\$3,200.00	
5A	To discuss NTFP assessment and assist with developing SOW	Tom Hammett	6-9 June 99	4	\$1,200.00	\$0.00	\$0.00	\$1,200.00	
5B		Karen Theophile	6-8 June 99	3	\$0.00	\$0.00	\$1,000.00	\$1,000.00	
6	Assist with development of SOW for Monitoring2000	Jim Karr	18-24 July 99	7	\$0.00	\$4,500.00	\$0.00	\$4,500.00	This task requested by IR#1

7A	Support Climate Change workshop	Services provided by hotel	???		\$0.00	\$10,000.00	\$0.00	\$10,000.00	This task requested by IR#1
		Christiana Figueres							
8	Develop Study Plan for reforestation with Mahogany	Pete Weaver	24-Oct to 4 Nov 1999	12		\$2,150.00	\$3,000.00	\$5,150.00	Native species reforestation in PCW
9	Develop SOW for Agroforestry Review	Sara Workman	12-16-Oct-99	5	\$0.00	\$2,500.00	\$0.00	\$2,500.00	
10	Provide TA for road and bridge maintenance in National park	Gordon Keller	7-13-Nov-99	7	\$1,550.00	\$0.00	\$1,250.00	\$2,800.00	
11A	Provide TA to develop ideas for ecotourism in PCW	Jerry Wylie	7-22-Nov-99	14	\$5,750.00	\$0.00	\$0.00	\$5,750.00	
11B		Jim Bedwell	12-19 Nov-99	8	\$0.00	\$2,900.00	\$0.00	\$2,900.00	
12	Support for Co-management meeting	Services provided by hotel	22-24 Nov-99		\$10,000.00	\$0.00	\$8,000.00	\$18,000.00	PO to hotel for costs & counterpart participation; also leveraged funds from PROARCA
13	Provide TA for development of mahogany study plan and San Lorenzo PA research paper & slide program	Pete Weaver	17-Jan to 3-Feb 2000	21		\$3,000.00	\$6,000.00		
14	Ecotourism follow-up and Emberá Community Assistance	Jerry Wylie	13 Feb - 4 Mar-00	17		\$5,280.00			
15A	Review of Agroforestry Program	Sara Workman	17 Feb - 4 Mar-00	16		\$7,200.00			
15B		Jim Weigand	20 Feb - 4 Mar-00	14		\$7,000.00			
15C		Roxana Volio	20 Feb - 4 Mar-00	14		\$7,000.00			

16	Develop sign plan and interpretation at park headquarters for Soberania National Park and discuss with USAID possible future assistance/Advise on development of Cooperative Associations	Jerry Wylie	21 May to 14 June 2000	22		\$6,000.00			
17A	Develop sign plan and interpretation at park headquarters for Soberania National Park and discuss with USAID possible future assistance	Ramiro Villalvazzo	21 May to 3 June 2000	14		\$5,000.00			
17B		Dan Matson	21 May to 3 June 2000	14		\$5,000.00			
17C		Barbara Loste	21 May to 3 June 2000	14		\$5,000.00			
18	Advise USAID on how to develop cooperative associations and private sector fund raising for NGOs	Curt Buchholtz	4-10 June 2000	7		\$3,850.00			
		Gretchin Merrill	4-10 June 2000	7		\$3,850.00			
19	Provide TA for development of San Lorenzo PA research paper & slide program	Pete Weaver	13 July to 4 August 2000	28		\$2,700.00	\$5,000.00		
20	Provide TA to complete agroforestry review paper	Sara Workman	13-18 Aug 2000	5		\$3,000.00			
21	Assist develop STTA plan	Jerry Wylie	10-15 Sep 2000	6		\$2,800.00			Requested by MD
22	Assist develop STTA plan	Sandra Fajemisin	10-15 Sep 2000	6			\$2,800.00		Requested by MD
23	Participate in Cruise ship conf & provide interpretation TA to SLPA	Blanca Ruiz	29 Sept to 6 Oct 2000	8		\$3,900.00			

24A	Assist SLPA - 1) ROS/Mgmt plan & 2) develop co-mgmt ideas	Jerry Wylie	24-Oct to 7 Nov 2000	14		\$5,600.00			
25A	Develop sign and interpretation plan at Fort San Lorenzo site in SLPA	Dan Matson	28-Oct to 7-Nov 2000	11		\$9,200.00	\$2,000.00		
25B		Ramiro Villalvazzo	30-Oct- to 6-Nov 2000	8			\$1,000.00		
26	Provide TA for development of San Lorenzo PA research paper & slide program	Peter Weaver	5-18-Nov 2000	14			\$6,000.00		
27A	Assist SLPA - 1) ROS/S Mgmt plan, 2) Kayak assessment, 3) LAC study, & 4) tourism image	Jerry Wylie	26-Nov to 9-Dec 2000	14		\$5,500.00			
27B		Francisco Valenzuela	27-Nov to 5-Dec 2000	9		\$4,000.00	\$800.00		
27C		Francis Sosodeeter	27-Nov to 5-Dec 2000	9		\$4,000.00	\$1,000.00		
28	Conduct Nature-based enterprise development assessment	Maureen DeCoursey	3-24 February-2001	14		\$15,000.00	\$5,000.00		
		Sondear (local NGO)				\$10,000.00			
29A	Provide training to Panamanian journalist with Audubon Society	Diane Jukofsky	5-9-March-2001	5		\$2,000.00			
29B		Katrina Murillo	5-9-March-2001	5		\$2,000.00			
30A	Site visit to discuss future activities & coordination with USDA	Scott Lewis	15-22 April 01	7			\$3,200.00		
30B		Otto Gonzales	15-19 April 01	5			\$2,500.00		
31A	To discuss work with US Tribal College & HBCUs	Ron McNeil	25 April - 1 May-2001	6			\$3,700.00		Requested by MD
31B		Jacqueline M. Ballew	25 April - 1 May-2001	6			\$3,700.00		

31C		Mudiayi Ngandu	25 April - 1 May-2001	6			\$3,700.00		
31D		Marikis (Nick) Alvarez	25 April - 1 May-2001	6			\$3,700.00		
31E		Peter Kofsky	25 April - 1 May-2001	6			\$3,700.00		
32	Same as above & to discuss PASA management	Sandra Fajemisin	25 April - 4 May 01				\$5,500.00		Requested by MD
33A	TA for Soberania Sign Plan, Phase II develop interpretative signs and site plans	Dan Mattson	19 April to 8 May 2001	20		\$7,200.00	\$1,500.00		
33B		Joe Guarisco	19 April to 5 May 2001	17		\$6,100.00	\$800.00		
33C		Ramiro Villavazo	22-30 April 2001	9		\$3,000.00	\$900.00		
32D		Kent Whittaker	22-30 April 2001	9		\$3,000.00			
34	Finalize SLPA ROS and Kayak reports	Jerry Wylie	29-April to 12 May 2001						
35A	Work on SLPA slide program & technical paper	Peter Weaver	29 May to 2 June 2001	5			\$3,000.00		
35B	Discuss future collaboration	Jeffry Miller	29 May to 2 June 2001	5			\$2,300.00		
36	Grant to Audubon Society Panama			\$10,000.00		Grant to Audubon for them to publish two EE books on birds
37	Pay salary for Jerry Wylie to work on Panama activities	..	1-14 July-01	..			\$4,500.00		IITF cover 2 weeks salary for Wylie
38A	EA training to Peace Corps & counterparts from USFS-IP	Robin Vora	22-28 July-01	5	\$4,000.00				USFS-IP covers cost of training, Coordinated by Joe Torres of PC
38B		David Harris	22-28 July-01	5	\$4,000.00				

38C		Joan Goodin	22-28 July-01	5	\$4,000.00				
39	PASA administration and future collaboration with AID	Linda Lynch	12-18 August 2001	6			\$3,700.00		
40A	Attend CONTEUR conference	Dr. Cem Bassman	25-30 September 2001		\$3,000.00				Cost paid for by SIU and CONTEUR
40B		Dr. Andrew Carver	25-30 September 2001		\$3,000.00				
41	Grant for IITF to Fundación Natura	••	01-Sep-01	••			\$50,000.00		Grant for FN to give small grants to local NGOs
42	PNM Sign Plan, PCV Workshop, RARE Nature Guide training setup	Jerry Wylie	26-Aug to 17-Sept 2001	18		\$8,500.00			
43A	Nature Guide Training Program	James Dion	2-8 September 01	7	\$2,000.00	\$3,500.00			RARE Center staff time all donated
43B	site assessment	Mathew Humke	2-8 September 01	7	\$2,000.00	\$3,500.00			RARE Center staff time all donated
44	PNM Sign Plan field work and report preparation	Jerry Wylie	24-Oct to 10-Nov 2001	16		\$8,000.00			
45A	Nature Guide Training Program	James Dion	30 Jan - 8 Feb 02	10	\$2,000.00	\$4,500.00			
45B	set-up	Mathew Humke	30 Jan - 8 Feb 02	10	\$2,000.00	\$4,500.00			
46	Sign Plan PNM, Ecotourism workshop setup with Peace Corps	Jerry Wylie	24-Feb to 19 March 2002	20		\$9,800.00			
47A	Conduct data survey of Cruise Ship Passengers	Richard Thureau	5-16 March 02	40	\$2,500.00	\$1,500.00			Ten days in Panama, 20 days home office research & report writing. All salary donated by SIU

47B		Brooke Beadles	5-16 March 02	40	\$2,500.00	\$1,500.00			Ten days in Panama, 20 days home office research & report writing. All salary donated by SIU
47C		Cem Basman	••	25	\$6,000.00				Twenty days estimated report writing, all donated time from SIU
48A	Assist Emberá communities with ecotourism plans, PNM trail assessment, and PASA final report preparation	Jerry Wylie	6-23 May 2002	16		\$7,500.00			
49A	Conduct rapid assessment of trails in PNM and Emberá Community	Michael Owyler	10-25 May-02	13		\$5,200.00			
49A	Collect data for development of scientific paper on status of mahogany in Panama	Pete Weaver	12-30 May 2000	20			\$8,000.00		
50	Nature Guide Training	RARE	July-03 to July-04	195	\$120,000.00				In Process-Grant to RARE from AMPYME to conduct nature guide training program. TA, leadership and guidance to make this possible was provided by PASA.
51A	Guide Certification from National Association for Interpretation	Cem Basman	TBD	8	\$15,000.00				Planned-All cost paid for by Georgetown University CASS program, Southern Illinois University, and local tour operators and hotels

51B		Vickie Loveland		8					
			Total Number Days	1014					
			TOTAL ----->	1014	\$194,000.00	\$232,030.00	\$193,850.00	\$619,880.00	
			Percent of Total		31.3%	37.4%	31.3%	100.0%	

Table 3. "First time" conservation activities initiated by PASA technical assistance.

Activity	Date	Organizations(s)	Comments
1. Strategic partnership agreement	1998	National Environmental Authority & Smithsonian Tropical Research Institute	<ul style="list-style-type: none"> - agreement made to market National Park materials - park maps and guides being sold with special fund established for reprinting material
2. Fund raising and strategic partnership development with private sector & general public	1998 1999 2000 2001 2002	Metropolitan Park Foundation	<ul style="list-style-type: none"> - PNM produces calendar as mechanism to raise fund for EE program - to date three calendars have been produced with nest profits about \$30,000 - fourth annual calendar is being produced - other products are being produced (such as key chains, posters, post cards, hats, etc) as means to promote park and raise funds - profits from sale of products have helped develop EE materials for local rural schools and for installing New signs in park
3. Heritage guide training	1999	Gamboa Rainforest Resort STRI SYNECIT Local NGOs	<ul style="list-style-type: none"> - to develop heritage guide training short-course, first one ever taught in Panama
4. Participation in National Association for Interpretation	1999 2000 2001	local NGOs & ANAM	<ul style="list-style-type: none"> - assisted local counterparts with becoming members in NAI, the largest interpretative association in the world - assisted local counterparts to attend international conference, PASA has supported 13 persons to attend three conferences

Table 3. "First time" conservation activities initiated by PASA technical assistance.

Activity	Date	Organizations(s)	Comments
			- local indigenous persons from Emberá community invited to make presentation at this international conference
5. Donations for Conservation	1999 2000	Rainforest Alliance PNM	- PASA helps set up a fund raising mechanism for donations to local NGO EE fund
6. National Park Visitor Guides, SINAP Map and PCW Map	2000	ANAM	- in conjunction with GreenCOM project developed the first ever visitor site guides and maps of the PCW and the Protected Areas In the PCW
			- PASA provided technical guidance and oversight for development of materials
7. Sign Plan Soberania National Park	2000	ANAM	- developed first sign plan for a National Park in Panama
			- ANAM will use this plan as model for other parks in the National System of Protected Areas
8. Sign Planning Workshop	2000	ANAM, NGOs General Public	- conducted a 1-day workshop on sign plan development in Protected Areas
9. Studies on use of National Parks in PCW	2000	ANAM, tour operators, & local NGOs	- assisted with design of two studies on tourism in PCW and visitor use in National Parks. Studies conducted by Univ. Idaho under GreenCOM project

Table 3. "First time" conservation activities initiated by PASA technical assistance.

Activity	Date	Organizations(s)	Comments
			<ul style="list-style-type: none"> - PASA provided technical guidance for studies and technical support during field work - data from these studies have been presented at several professional conferences in US, Canada, Australia, and Central America. Also, data from these studies are being used for a book on interpretation that will be used internationally
10. Co-management Seminar	2000	ANAM, ARI, INAC, local NGOs, regional NGO Governmental agencies from Every Republic in CA	<ul style="list-style-type: none"> - organized seminar in conjunction with ANAM and PROARCA - provided technical guidance and direction For seminar - obtained funds to support seminar, leveraged about \$10,000 from outside funding for this
11. ROCAP Scholar Conference	2000	ROCAP scholars from every Republic in CA, Univ Idaho, PROARCA, ANAM, local NGOs, Regional & international NGOs	<ul style="list-style-type: none"> - planned, organized and provided technical direction to conference - obtained outside funding to support conference - developed network between local organizations and ROCAP scholars - this was first, and to date, only conference where AID funded ROCAP scholars have been together as an entire groups since 1995

Table 3. "First time" conservation activities initiated by PASA technical assistance.

Activity	Date	Organizations(s)	Comments
12. Water Quality Improvement Coalition for Central American NGOs (CLARA)	2000	local NGOs, local rural schools in PCW, ANAM, & PCA AED, Earth Force	- provided technical guidance and input to set up and implement CLARA project in Panama. First CA AID Mission to buy into this program.
13. Ecotourism and Recreation Assessment of PCW	2000	ANAM, NGOs	- conducted assessment to determine current situation and recommendations For future
14. Audio visual program for San Lorenzo PA	2000	ANAM, CEASPA	- developed high-quality audio visual EE program for the San Lorenzo PA
15. Promotion for Fundación Natura	2000 2001	Fundación Natura	- provided technical guidance and support to Fundación Natura for them to develop promotional material and annual report
16. Observational study tour to Panama	2001	Nicaraguan Ministry of Environment & Nicaraguan NGOs	- to observe management practices in PCW National Parks to use as model in Nicaragua - to observe how PASA assists local counterparts so they can request similar technical assistance in Nicaragua
17. Nature Guide Training	2001 2002	RARE Center for Tropical Conservation & local tour operators, NGOs and GOP agencies	- to develop community level nature guide training program for PCW

Table 3. "First time" conservation activities initiated by PASA technical assistance.

Activity	Date	Organizations(s)	Comments
18. Indigenous networking	2001	US Tribal Colleges and Universities & Historical Black Colleges & Universities	<ul style="list-style-type: none"> - to develop networking between Panamanian indigenous communities and US indigenous institutions & historical black institutions - this done as part of US Presidential initiative at request of US AID Mission Director
19. Protected Area Photography contest	2001	ANAM & local NGOs and private sector	<ul style="list-style-type: none"> - to help promote conservation of Panama's natural resources - PASA provided technical guidance & direction at request of ANAM & local NGOs - PASA was instrumental in helping ANAM obtain private sector funding for event
20. Panamanian Journalist Training	2001	local journalist, ANAM, local journalist society	<ul style="list-style-type: none"> - at request of ANAM organized with local NGO Audubon Society a field-oriented conservation Training program for journalist - conducted field trips in three National Parks in PCW, this was first visit to a protected area for many of the participating journalist. - many journalists have subsequently requested further training. - as result of this training the journalist developed a network and local organization for conservation journalism

Table 3. "First time" conservation activities initiated by PASA technical assistance.

Activity	Date	Organizations(s)	Comments
			- ANAM hired on of the PASA short-term advisors to conduct similar workshops in other parts of Panama
21. Interpretation Plan for San Lorenzo PA	2001.	ANAM, CEASPA	- developed an interpretive site plan for Fort San Lorenzo
22. Identify need for tourism image in PAs	2001	ANAM, NGOs	- developed concept for tourism image for San Lorenzo PA
23. Develop concept for Limits of Acceptable Change PAs	2001	ANAM, NGOs	- introduced the concept of Limits of Acceptable Change to Panama - developed first concept of this for San Lorenzo PA
24. Recreation Opportunity Spectrum	2001	ANAM, NGOs	- initiated the Recreation Opportunity Spectrum concept into Panama - developed first assessment in San Lorenzo PA
25. Fund raising and Strategic partnership development with private sector & general public	2002	CEASPA & ANAM	- CEASPA produces high-quality souvenir book about protected area to raise funds for park management - this activity helped develop relationships between local NGO, ANAM and local private sector companies for long-term support for park management

Table 3. "First time" conservation activities initiated by PASA technical assistance.

Activity	Date	Organizations(s)	Comments
26. Study of cruise ship passengers entering Panama	2002	local inbound tour managers, local tour operators, and IPAT	<ul style="list-style-type: none"> - designed and conducted study of cruise ship passengers for use to help develop better tours in the future - developed a strong working relationship between IPAT, tour operators & AID
27. Developed concept for USAID involvement in Ecotourism in PCW	2002	USAID	<ul style="list-style-type: none"> - developed the concept for increased USAID involvement in ecotourism activities in the PCW
28. Rapid appraisal for nature-based enterprises in PCW	2002	ANAM, NGOs	<ul style="list-style-type: none"> - conducted first assessment of nature based enterprises in PCW - this assessment can be used to develop future programs
29. Assessment for nature trails in local Indigenous community	2002	Local Indigenous community	<ul style="list-style-type: none"> - conducted assessment for nature trails in local community doing ecotourism - trained community members in trail assessment techniques
30. Developed Sign Manual for PNM	2002		<ul style="list-style-type: none"> - developed first ever sign manual for a Panama park
31. Assessment for enhancing ecotourism in local Indigenous community	2002		<ul style="list-style-type: none"> - conducted assessment for local community to improve their ecotourism activities

Table 3. "First time" conservation activities initiated by PASA technical assistance.

Activity	Date	Organizations(s)Comments
32. Develop promotional material for local Indigenous community	2002	Local Indigenous community - developed material o assist community in promoting their product

Table 4. Strategic Partnerships developed through leadership and guidance from PASA.

Organizations	Type of Organization	Date Partnership Began	Comments
1. National Environmental Authority (ANAM) & Smithsonian Tropical Research Institute (STRI)	GOP Local NGO	1999	- developed for first time in Panama mechanism to market education and promotional materials for national parks
2. Metropolitan Natural Park and private sector and general public	Local NGO Private companies General public		- developed partnership to assist PNM in fund raising and long-term assistance from private sector and general public
3. U.S. Tribal Colleges and Historical Black Colleges and Universities	US Universities	2001	- developed networking with local governmental agencies, local NGOs, local universities, and indigenous communities
4. National Environmental Authority (ANAM) & CEASPA and Fundación Natura	GOP Local NGO	2002	- developed for second time in Panama mechanism to market education and promotional materials for national parks - a revolving fund is being established so funds generated from this mechanism will be used for long-term conservation goals.

Table 5. Funds leveraged through leadership and guidance from PASA to assist implementation of USAID/Panama Strategic Objectives.

	Donor Organization/ Benefiting Organization(s)	Type of Organization	Date	Dollar Value	Comments
1.	US Forest Service/ Metropolitan Natural Park Foundation	US Federal Govt. Local NGO	1998	\$5,000	- production of Park thirteen year progress report
2.	National Fish and Wildlife Foundation/ CEASPA	US NGO Local NGO	1999	\$5,000	- grant to CEASPA for development of San Lorenzo PA
3.	US Forest Service/ ANAM	GOP Institution	1999	\$10,000	- support co-management workshop
4.	US Forest Service/ Metropolitan Natural Park Foundation	US Federal Govt. Local NGO	1999	\$5,000	- production of EE material for use in PCW
5.	US Forest Service/ Audubon Society	US Federal Govt. Local NGO	2000	\$10,000	- production of two EE books Common Birds of Panama City & Important Bird Areas of Panama
6.	US Forest Service/ Metropolitan Natural Park Foundation	US Federal Govt. Local NGO	2000	\$5,000	- production of EE material for use in PCW
7.	US Forest Service/ Fundación Natura	US Federal Govt Local NGO	2001	\$80,000	- for small grants to local NGOs working in Panama canal watershed
8.	National Fish and Wildlife Foundation/ Metropolitan Natural Park Foundation	US NGO Local NGO	2002	TDB	- in process - for EE programs in PNM

Table 6. Technical reports produced by PASA.

1999

Bauer, Gerald P., Peter Weaver. 1999. Study Plan: Establishment and Growth of Big-leaf Mahogany (*Swietenia macrophylla*) in Line-plantings in the Panama Canal Watershed, Panamá.

Workman, Sara, Roxana Volio, James Weigand, Maritza Jaen, Lenin Riquelme, and Ibelice Animo. 1999. Revisión de las Actividades Agroforestales en la Cuenca Hidrográfica del Canal de Panamá.

2000

Bauer, Gerald P. and Jerry Wylie. 2000. Resource Information, U.S. Department of Agriculture Forest Service Cooperative Association Programs.

Bucholtz, Curt and Gretchen Merrill. 2000. Development of Partnerships and Fundraising for Protected Areas.

Keller, Gordon. 2000. Preliminary Engineering Assessment – Oleducto Road and Bridges, Soberania National Park.

Lost, Barbara, Daniel Mattson, Ramiro Villavazo and Jerry Wylie. 2000. A Sign Plan for Soberanía National Park, Republic of Panama.

Wylie, Jerry and Jim Bedwell. 2000. Ecotourism and Recreation in the Panama Canal Watershed: Preliminary Assessment and Recommendations.

Weaver, Peter L. and Gerald P. Bauer. 2000. The San Lorenzo Protected Area, Panama's Caribbean Treasure. A slide program.

2001

Dion, James and Mathew Humpke. 2001. Nature Guide Training Program, Site Assessment, Panama.

Harp, Susan. 2001. History of the Las Cruces Trail and adjacent Canal Area, Panama.

Mattson, Dan and Ramiro Villalvazo. July 2001. Castillo San Lorenzo: Concepts Interpretation and Site Planning, a Prelude to Master Planning.

Table 6. Technical reports produced by PASA.

Scott-Pezet, Norita. 2001. Seminario de Comunicacion Ambiental Memoria Enero-Julio 2001.

Wylie, Jerry. 2001. Developing a Tourism Image for the San Lorenzo Protected Area, Panama.

Wylie, Jerry. 2001. Kayaking Opportunities on the Lower Chagres River, Panama.

Wylie, Jerry. 2001. Limits of Acceptable Change for Fort San Lorenzo, Panama.

Wylie, Jerry. 2001. Ecotourism Seminar for US Peace Corps Volunteers.

Wylie, Jerry and Jerry Bauer. 2001. Metropolitan Natural Park, Recommendations for Enhancing Signage and Interpretation. Panama.

Wylie, Jerry, Francisco Valenzuela, and Francis Sosadeeter. 2001. Recreation and Scenery Management for the San Lorenzo Protected Area, Panama.

2002

Bauer, Jerry and Jerry Wylie. 2002. A Concept Paper, Ideas for USAID Involvement in Ecotourism, Cultural and Adventure Travel in the Panama Canal Watershed.

DeCoursey, Maureen. 2002. A Rapid Appraisal of Nature-based Enterprises, a scope for development.

Dion, James and Mathew Humpke. 2002. Nature Guide Training Program: Training Program Set-up.

Olwyler, Michael, Jerry Bauer and Jerry Wylie. 2002. Rapid Assessment of Nature Trails and Recommendations for Improvement, Metropolitan Natural Park, Panama.

Olwyler, Michael, Jerry Bauer and Jerry Wylie. 2002. An Assessment for the Design of New Visitor Nature Trails in the Emberá Drua Community, Panama.

Weaver, Peter L., Jerry Bauer, and Belkys Jimenez. 2002. The San Lorenzo Protected Area: Panama's Caribbean Treasure. An audio/visual program, with associated script.

Table 6. Technical reports produced by PASA.

Wylie, Jerry and Jerry Bauer. 2002. Design Plans for Signs and Interpretation, Metropolitan Natural Park.

Wylie, Jerry and Jerry Bauer. 2002. Recommendations for Enhancing Ecotourism in the Emberá Drua Community in the Upper Chagres River.

Reports In Preparation

Bauer, Jerry and Jerry Wylie. Best Practices Notebook for Protected Area Management. (to be published as USDA Forest Service as General Technical Report).

Weaver, Peter L. and Jerry Bauer. Fort Sherman Report. (to be published as USDA Forest Service as General Technical Report).

Basman, Cem and Jerry Bauer. Results of a Study of Cruise Ship Passengers in Panama, a preliminary study for future tourism planning.

Table 7. Local counterparts participation in professional conferences.

Activity	Date	Organizations(s)	Comments
1. National Association for Interpretation	1999	local NGOs, ACP	- four representatives from Panama attended the meeting
2. National Association for Interpretation	2001	local NGOs, ACP	- four representatives from Panama attended the meeting
3. National Association for Interpretation	2002	local NGOs	- two representatives from Panama attended the meeting - Note: the PASA had terminated by this time but USDA and US Forest Service (in cooperation with USAID/Washington) continues to provide support to local counterparts as part of their international and partnership development programs. This is a good example of the long-term benefits to USAID from PASA assistance.

Table 8. PASA advisors participation in professional conferences, seminars and workshops.

Activity	Date	Advisor(s)	Comments
1. Tourism in PCW Tucson, Arizona	Nov 2000	- Dan Mattson	- public display exhibit with Panama ecotourism information from PCW at National Association for Interpretation conference
2. Sustainable development in Panama Canal Watershed	Nov 2000	- Jerry Bauer	- presentation made at Virginia Tech University
3. International meeting on biodiversity	April 2001	ANAM	- ANAM invited J Bauer to give program on PCW biodiversity at this international meeting
4. Ecotourism opportunities in PCW Washington DC	May 2001	- Dan Mattson - Jerry Wylie	- presentation made to USDA Forest Service International Programs
5. Ecotourism opportunities in PCW Washington DC	May 2001	- Dan Mattson - Jerry Wylie	- presentation made to Foreign Agriculture Service
6. Ecotourism opportunities and sustainable development in PCW in an integrated watershed management approach, Washington DC	May 2001	- Dan Mattson - Jerry Wylie	- presentation made to USAID/LAC Bureau
7. Heritage guide training needs in Panama San Salvador, El Salvador	Sept 2001	- Jerry Bauer	- presentation made at Mesoamerican Society for Biology and Conservation
8. Sustainable development in Panama Canal Watershed	Nov 2001	- Jerry Bauer	- presentation made at Southern Illinois University

Table 8. PASA advisors participation in professional conferences, seminars and workshops.

Activity	Date	Advisor(s)	Comments
9. Ecotourism in PCW Des Moines, Iowa	Nov 2001	- Dan Mattson - Jerry Bauer	- public display exhibit with Panama ecotourism information from PCW at National Association for Interpretation conference
10. USAID support for ecotourism in the Panama Canal Watershed as a tool for sustainable development Portland, Oregon	Dec 2001	- Dan Mattson	- invited paper on using US Forest Service models for ecotourism development in Panama Canal Watershed - USDA Forest Service National Enterprise Workshop
11. USAID support for ecotourism in the Panama Canal Watershed as a tool for sustainable development Portland, Oregon	May 2002	- Dan Mattson	- UNEP World Ecotourism Summit (a major international conference)
12. Developing conservation partnerships between NGOs and government agencies in Central America Durham, North Carolina	March 2002	- Jerry Bauer	- presentation made at Duke University
13. Environmental activities in the Panama Canal Watershed	March 2002	- Jerry Bauer	- presentation made at Colorado State University

Table 9. Use of conservation photographs provided by PASA for use on world wide web.

Counterpart Organization/ World Wide Web URL	Date	Objectives/Comments
1. Rainforest Alliance (www.rainforest-alliance.org)	1999	- to help raise funds for Metropolitan Natural Park
2. Academy for Education Development (www.usaid.gov/environment/greencom/news-panama-ecotourism) (www.usaid.gov/environment/greencom/news-jbauer)	1999 2000 2001 2002	- to promote GreenCOM program - to inform public about GreenCOM/Panama project activities - to promote conservation in Panama - to show model ideas that can be applied to other countries
3. Panama Canal Authority	2001	- to promote conservation of Panama Canal Watershed - requested by USAID contractor International Resources Group for web page they helped design
4. Metropolitan Natural Park (www.parquenm.org)	1999 2000 2001 2002	- to promote PNM - to increase public awareness and support for conservation in Panama
5. CEASPA (www.sanlorenzo.org.pa)	2001 2002	- to promote ecotourism at San Lorenzo Protected Area - to assist Panamanian Environmental Authority (ANAM) with promotion of conservation
6. Panama America Newspaper (http://www.elpanamaamerica.com.pa/archive/12202001/estilo.html)	2001	- to promote PNM Conservation Calendar

Table 10. Use of conservation photographs provided by PASA for use by counterparts in technical reports.

Counterpart Organization	Publication Title	Date	Comments
1. National Environmental Authority (ANAM)	- SINAP map	1999	- to educate general public about SINAP and ANAMs role as land steward
2. National Environmental Authority (ANAM)	- Visitor Guides	1999	- to educate general public about SINAP and ANAMs role as land steward - to raise funds for conservation
3. National Environmental Authority (ANAM)	- PCW map	1999	- to educate general public about SINAP and ANAMs role as land steward
4. National Environmental Authority (ANAM)	- Park signs	2000	- for new signs designed for the Soberania National Park
5. PROARCA	- Many publications used in regional environmental program	1999 2000 2001 2002	- to support USAID regional environmental program
6. Metropolitan Natural Park	- Conservation calendar	1999 2000 2001 2002 2003	- more than \$60,000 have been raised for PNM using conservation photographs - the model developed in PNM was used by USAID/Panama as the only Mission success story in the 2002 Annual Report to AID Washington

Table 10. Use of conservation photographs provided by PASA for use by counterparts in technical reports.

Counterpart Organization	Publication Title	Date	Comments
7. CEASPA	- Flyer to promote San Lorenzo Protected Area	2000	- to promote tourism at San Lorenzo Protected Area
8. National Environmental Authority (ANAM)	- Newsletter - InfoTierra	2001	- to raise public awareness and support for ANAM
9. Panamanian Institute for Tourism (IPAT)	- Visitor center at Portobelo National Park	2001	- to improve public awareness of this World Heritage Site, to raise Funds for site management - done in conjunction with the Spanish International Development Agency
10. National Environmental Authority (ANAM) & Ministry of Education (MEDUC)	- Guía Didáctica de Educación Ambiental, Quinto Grado	2002	- joint project with assistance from Inter American Development Bank (IDB), Japan International Cooperation Agency (JICA), US Peace Corps, United Nations Children's Fund (UNICEF), United Nations Program for Development (PNUD)
11. National Environmental Authority (ANAM)	- Public display	2002	- display developed for use in public meetings and locally Community events to raise awareness And support for ANAM
12. CEASPA	- Souvenir book	2002	- to gain public support for ANAM and management of the San Lorenzo Protected Area

Table 10. Use of conservation photographs provided by PASA for use by counterparts in technical reports.

Counterpart Organization	Publication Title	Date	Comments
			- to gain support for INAC to manage and raise funds for management of the Castillo San Lorenzo
13. Metropolitan Natural Park	- Corotu newsletter	2002	- to raise public awareness and support for Park
14. Metropolitan Natural Park	- Park signs	2002	- on new interpretive signs in the Park
15. Cleveland Metropolitan Parks	- Interpretative signs for Canal to Canal project	2002	- to promote neotropical migratory birds and tropical rainforest conservation in a partnership with Panama Metropolitan Natural Park
16. AFOTUR & WECHA	- Promotional flyers (2 English/2 Spanish)	2002	- to promote ecotourism in Emberá communities in upper Chagres river watershed - economic development for local communities in PCW
17. Academy for Educational Development, Washington DC Office	Empowering People to Create Sustainable Environmental Solutions	2002	- brochure to be used worldwide to promote strategic environmental communication
18. Academy for Educational Development, GreenCOM	Various didactic materials	2002	- for various materials used to promote the PCW
19. Audubon Society	Harpy eagle educational materials	2002	- for public educational materials

Table 11. Institutions and organizations with which PASA has developed strategic partnerships and/or cooperation for USAID/Panama.

Organización
<p><u>Government of Panama Institutions</u></p> <ul style="list-style-type: none"> • Autoridad Nacional del Ambiente (ANAM) • Instituto Panameño de Tourism (IPAT) • Autoridad de la Region Interoceanica (ARI) • Autoridad de Canal de Panama (ACP) • Ministry of Obras Publicas (MOP) • Instituto Nacional de Cultura (INAC) • Ministerio Economía y Finanzas (MEF) <p><u>International Donor Institutions</u></p> <ul style="list-style-type: none"> • US Peace Corps (Cuerpo de Paz de los Estados Unidos) • US Forest Service International Programs Office (Servicio Forestal de los Estados Unidos, Oficina de Programas Internacional) • GTZ • World Bank (Banco Mundial) • Japan Cooperation Agency (JICA) <p><u>Local Non-governmental Organizations (NGOs)</u></p> <ul style="list-style-type: none"> • Metropolitan Park Foundation • ANCON • SONDEAR • CEASPA • Audubon Society of Panama • Fundación Natura • Fundación PA.NA.MA. • Smithsonian Tropical Research Center (STRI) • Emberá Community NGO get name

Table 11. Institutions and organizations with which PASA has developed strategic partnerships and/or cooperation for USAID/Panama.

Organización
<p><u>Local Universities</u></p> <ul style="list-style-type: none"> • Universidad Latina • Universidad Panama <p><u>Local Private Companies</u></p> <ul style="list-style-type: none"> • Colon 2000 • SHOREX • Panama Ports <p><u>Organizations in other Central American countries</u></p> <ul style="list-style-type: none"> • Fundación para el Ecodesarrollo y la Conservación (FUNDAECO) • Universidad del Valle de Guatemala • Unión Internacional para la Conservación de la Naturaleza (UICN) • Ministerio de Ambiente y Recursos Naturales de Nicaragua (MARENA) <p><u>U.S. Universities</u></p> <ul style="list-style-type: none"> • Southern Illinois University • Virginia Technologic University • Colorado State University • Georgetown University (CASS)

Appendix 2 - Graphic Examples

Examples of graphics that were produced with technical assistance from the PASA.

(To be added)

Appendix 3 - Photographic Examples

Photographs showing USAID activities and some of the work accomplished through the PASA.

(To be added)