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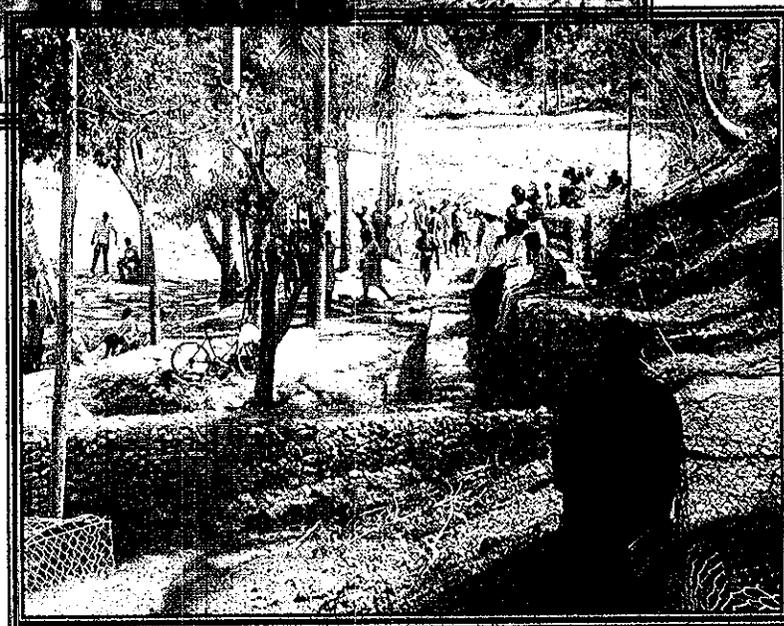
HURRICANE GEORGES RECOVERY PROGRAM

Sixth Quarterly Report
January 1-March 31, 2001

USAID Cooperative Agreement No. 521-A-00-99-00072-00



US Ambassador Dean Current visiting the ORE office in Camp Perrin



Ray Lynch (USAID-LAC) at the Lafond water project (Plan International)

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Acronymes

ATRADEM	Association des Travailleurs de Merceron
CARE	Cooperative for American Relief Everywhere
CBO	Community-Based Organization
CDMP	Caribbean Disaster Mitigation Project
CDRH	Centre de Développement des Ressources Humaines
CECI	Centre Canadien d'Etudes et Coopération Internationale
CHF	Cooperative Housing Foundation
CIAT	Centro Internacional de Agricultura Tropical
CODHA	Conservationistes d'Haiti
CRS	Catholic Relief Service
DMP	Disaster Mitigation and Preparedness
FAVA	Florida Association of Voluntary Assistance
FEMA	Federal Emergency Management Agency
GOH	Government of Haiti
HGRP	Hurricane Georges Recovery Program
IPDG	Inite Peyizan Pou Devlopman Gaya
IR	Intermediate Result
KOMELAK	Komitè pou mété Lafond Kampé
M & E	Monitoring and Evaluation
MODPA	Mouvman Devlopman Peyizan Ansapit
MPCE	Ministère de la Planification et de la Coopération Externe
MARNDR	Ministère de l'Agriculture des Ressources Naturelles et du Développement Rural
MTPTC	Ministère des Travaux Publics des Transports et Communications
MENJS	Ministère de l'Éducation Nationale de la Jeunesse et des Sports
MIS	Management Information System
NGO	Non-Governmental Organization
OAS	Organization of American States
OFDA	Office of Foreign Disaster Assistance
ORE	Organization for the Rehabilitation of the Environment
PADF	Pan American Development Foundation
PVO	Private Voluntary Organization
RFA	Request for Application
RIG	Regional Inspector General (USAID)
SECID	South-East Consortium for International Development
SO	Strategic Objective

Executive Summary

This report covers the period 1 January through 31 March 2001. The Pan American Development Foundation (PADF) Hurricane Georges Recovery Program (HGRP) continued implementing at the planned rate. The major successes from this quarter include:

- ❖ Project expenditures for the quarter nearly \$1.6 million—the highest quarterly expenditures to date. This brings total expenditures to \$ 5,980,176 or 71% of the contract amount.
- ❖ One additional project was completed, the Thomazeau Road Rehabilitation, bringing to seven the number of subprojects completed to date.
- ❖ Six other projects were brought to at least 90% complete.
- ❖ Winrock International brought coffee and cooperatives experts to Haiti as part of their Farmer-to-Farmer program.
- ❖ FAVA/CA fielded three volunteers to assist CDRH.
- ❖ USAID approved the design on the Cap Rouge Road project and PADF put it out for bid. This subproject is beyond the initial scope of the program and is funded through savings on the devaluation of the Gourde.
- ❖ ORE distributed 212 tons of improved seeds.

During the next quarter, PADF and its partners will likely complete an additional fifteen subprojects, bringing to 22 out of 33 the number of subprojects completed.

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I. Program Goals and Summary

In late September 1998, Hurricane Georges caused extensive damage in Haiti, particularly in the southern regions of the country. The vulnerability of many localities, areas where a large percentage of the population was already suffering from high levels of poverty, was significantly heightened by this natural disaster. The Hurricane Georges Recovery Program (HGRP) is a humanitarian aid response to the most severe effects of the hurricane. The strategic objectives of the program are designed to enhance the capacity of selected communities to recover from the severe economic impact of Hurricane Georges and to better prepare them for future natural disasters. The targeted results of the program are as follows:

- to improve food production capabilities in affected areas through production of high-yielding staple crop seeds and plant materials to be made available to participating farmers;
- to restore productive and social infrastructure by reconstructing farm-to-market secondary and tertiary roads, rehabilitating small irrigation systems, repairing potable water systems, and fixing rural schools damaged by the hurricane;
- to reduce the environmental impact of future disasters through soil conservation interventions and treatment of degraded ravines, through promotion of environmentally sustainable agricultural practices, and by undertaking a series of small-scale environmental protection initiatives in key micro-zones;
- to support the above activities with appropriate technical assistance packages and extension activities; and
- to increase local capacities to address disaster mitigation and preparedness through an extensive training program at local levels, accompanied by workshops, conferences, and coordination efforts at the regional and national level.

The program is designed to address the identified needs of communities affected by Hurricane Georges. Providing high quality seeds and plant materials such as corn, beans, and sorghum will promote increases in agricultural production. Rehabilitation of the damaged irrigation systems will promote increased production. The rehabilitation of secondary and tertiary roads will improve access to markets and stimulate commerce. Reestablishing supplies of potable water will improve the physical well-being and social welfare of the communities. Strengthening schools to be used as emergency shelters will improve the durability of the schools as well as provide a safe-haven for future disasters. In the long-term, the soil conservation measures, rehabilitation of ravines, and other environmental measures will help to diminish the effects of similar future disasters and thereby promote sustainable agriculture.

To tie all of these components together and to reduce the impact of future disasters, the program includes a strong training component that will be implemented in all of the targeted communities. In these communities, the HGRP will provide a general community awareness seminar to bring out the basics of disaster preparedness and mitigation. Out of these seminars, we will draw a core group who will develop their community's disaster preparedness and mitigation plan.

The Pan American Development Foundation (PADF) is implementing the program with a variety of partners. These include international PVOs such as Catholic Relief Services, CIAT, the Cooperative Housing Foundation, Plan International and CECI; Haitian NGOs such as ORE and CDRH and local community-based organizations (CBOs). PADF has also established a strong partnership with the Haitian Government through a special *Comité de Suivi*. This committee includes representative from

the main ministries such as Agriculture, Interior, Public Works and Education as well as from the PL480 office.

The program implementation methodology calls for a high level of community involvement during the planning, execution and monitoring phases. The extensive experience of PADF and its implementing partners in executing similar projects throughout Haiti facilitates the process of rapidly identifying subprojects and getting local communities on board.

The HGRP contains a well-balanced mix of intermediate results to be obtained in order to meet the project objectives. PADF's implementation approach seeks to achieve integrated results within each zone of intervention. The choice of sub-project activities in targeted intervention areas is carefully reviewed to support an integrated mix of activities relating to as many components as possible, including environmental protection, agricultural production, and rehabilitation of social infrastructure. Interventions selected on a stand-alone basis are less likely to create durable improvements because of the failure to address other vital constraints that exist in the locality. An integrated approach fosters both cost-effective and sustainable results for the economic, agricultural, and environmental needs of the community. A large percentage of the beneficiaries of the program (to be determined in consultation with partners and sub-contractors) will be women. The monitoring activities are designed to allow verification of this involvement. The training in disaster mitigation and preparedness targets a minimum of 30% female participants.

Through this program, PADF anticipates producing the following results:

- Production of 715 tons of improved commercial seeds and stockpiling of an additional 25 tons of basic seeds.
- 15,000 families using the improved seeds.
- 24 schools repaired or strengthened for use as emergency shelters.
- 12 kilometers of road rehabilitated.
- 1700 hectares of land under rehabilitated irrigation systems.
- 27 kilometers of pipes in restored potable water systems.
- 80 kilometers of ravine protected.
- 900 hectares of land under improved soil and water conservation practices.
- 2440 people directly trained in disaster preparedness and mitigation.
- 20 communities with functioning disaster preparedness and mitigation committees and plans in place.

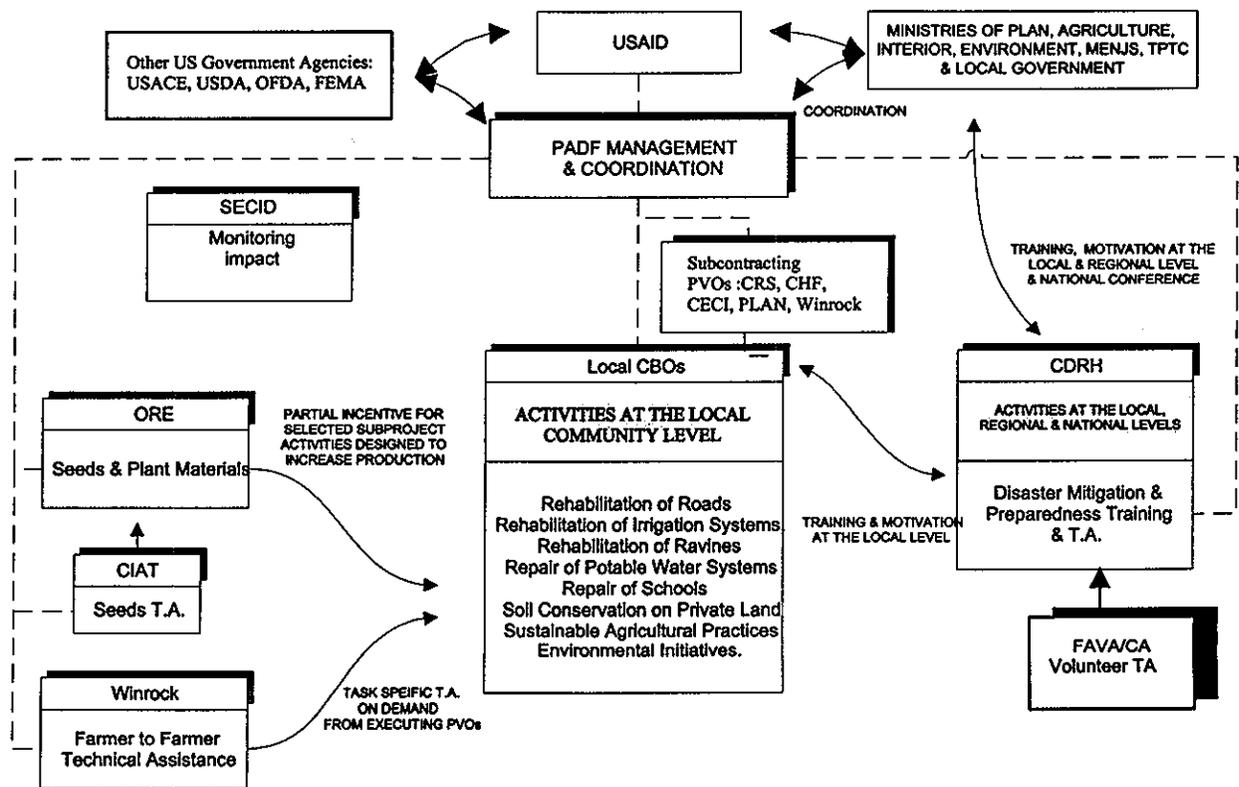
The integration of physical interventions will be facilitated by the development of local institutions that recognize the interaction of land use practices and the reconstruction and maintenance of infrastructure in influencing the vulnerability of communities to disaster. Disaster mitigation and preparedness may be more effectively achieved through timely and coordinated community efforts to eliminate hazards than through the application of reaction and coping strategies after a disaster has occurred.

A community self-help approach is the best means of promoting long-term community involvement in project interventions and their subsequent maintenance. An innovative methodology package

responds to this issue by providing voluntary labor for certain interventions and a mix of voluntary labor, community development incentives, and paid labor for those interventions for which unlimited voluntary labor is not available. This strategy also allows the program to address issues of acute poverty in targeted zones.

Criteria for monitoring and reporting-related indicators have been developed as an integral component of project management. PADF will oversee the data collection and ensure its inclusion in a comprehensive project Management Information System (MIS).

The following flow chart shows the relationship among the major program activities.



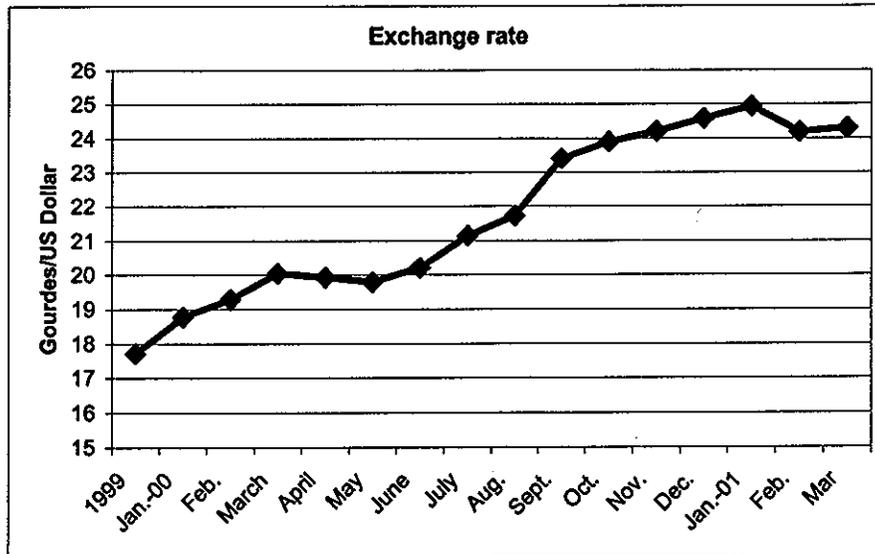
II. General Situation In Haiti

A. Hurricanes

The hurricane forecast for 2001 is for a lighter season than in the past two years. It calls for ten named storms including two major storms. By contrast, last year there were fourteen named storms and four major ones although only Hurricane Keith caused significant damage.

B. Economic Situation

During this quarter, the value of the Gourde stabilized at just above 24 Gourdes/dollar. PADF/HGRP's average exchange rate compared to the US dollar was 24.6, 24.15 and 24.3 for January, February and March respectively. The Gourde exchange rates over the life of the project are shown in the graph below.



C. Security

There were no major security incidents around the presidential inauguration (February 7th) or during Carnival (February 26-27th) as had been feared. However, there was also no progress towards resolving the political stalemate between the government and the opposition groups. Just before the presidential inauguration on February 7th, talks between the different groups broke down and the opposition named their own president. In protest over this parallel president, people took to the streets on March 19th and 20th causing PADF to close its office early the first day and to not fully open the second.

Due to the security problems in Haiti, the US State Department extended the voluntary evacuation imposed on November 18th through at least April 17th. All international travel for the project therefore has to be approved by the Regional Security Officer. In January, the RSO did not approve visits by two Farmer-to-Farmer volunteers, but these volunteers were later given permission to travel in March. The RSO also required the RIG team to cut short their visit to leave Haiti before the week of the Presidential inauguration.

III. Administrative Activities

A. Administrative Training

No training was conducted this quarter.

B. Contracting

To date, PADF has signed the following subcontracts:

	Organization	Date Signed	Amount	Description	Completed
1	CIAT	January 1, '00	\$400,000	Technical assistance to ORE to develop improved germplasm	
2	ORE	January 13	\$385,169	Sale and distribution of improved corn, bean and sorghum seeds	
3	Winrock International	January 13	G 18,301,565 \$200,025	Provision of 15 volunteer consultancies from US farmers	
4	IPDG	February 17	G 2,608,797	Rehabilitation of the irrigation system at Cajoun	Yes
5	CODHA	February 17	G 4,735,390	Soil Conservation at Cajoun-Charette	Yes
6	MOPDA	March 26	G 3,044,738	Rehabilitation of the irrigation system at Anse-a-Pitre	Yes
7	CDRH	March 8	\$156,927 G 7,150,408	<ul style="list-style-type: none"> • Training in disaster preparedness and mitigation; • Training in infrastructure maintenance • Community mobilization 	
8	FAVA/CA	April 6	\$48,000	Provision of eight volunteer consultancies in disaster preparedness and mitigation.	
9	CRS	April 6	\$767,104	<ul style="list-style-type: none"> • Soil Conservation at Palmist-a-Vin • Soil Conservation at Musac • Soil Conservation at Matwala • Irrigation rehabilitation at Cavaiillon • Potable Water in SE 	
10	CHF	May 4	\$97,432 G 6,466,947	Repairs to 22 schools and 20 km of potable water systems	
11	TADI	May 16	G 3,101,847	Rehabilitation of the Despuzeau irrigation system	Yes
12	ATRADEM	May 17	G 3,579,055.60	Rehabilitation of the road from Thomazeau to the Carrefour Beaugé	Yes
13	Plan International	May 22	\$339,508	<ul style="list-style-type: none"> • Soil conservation at Lafond • Potable water at Lafond • River Bank protection for Les Orangers 	
14	CECI	May 26	\$443,662	Repairs to 3 irrigation systems	
15	NACOSE	July 27	G 5,227,763.40	Rehabilitation of the road from Thomazeau to the Carrefour Beaugé	Yes
16	Winrock International	August 30	G 1,060,844.10	Rehabilitation of two Belle Fontaine Schools	
17	CARITAS	October 11	G 1,716,845.76	Soil Conservation in Bel Air	
18	GRASE	October 18	G 1,500,029.55	Soil Conservation in Nan Plezi	
19	CRS	December 11	\$ 27,572	Replace emergency supplies used during	Yes

	Organization	Date Signed	Amount	Description	Completed
20	ESC	December 22	1,640,990	Cap Haitian Flooding Watershed Study for the Jacmel Rivers	

C. Concurrent Audit

The auditing firm of Merové-Pierre was conducting quarterly audits of all HGRP expenses. However, in January 2001, the audit work was suspended. The last quarter audited was July-September 2000. Merové-Pierre and USAID are currently negotiating to restart the audit on a semi-annual basis.

D. Audit by the Regional Inspector General (RIG)

From January 15 to February 2, the RIG conducted an audit of the HGRP to determine if USAID had an adequate monitoring system in place and if the project activities would be completed by the project completion date. The two RIG auditors, Christine Byrne and Hugo Jimenez visited ten worksites across the entire project area. They verified USAID and PADF's files and questioned USAID, PADF and HGRP Partner staff. The auditors concluded that USAID did have adequate systems in place. Overall, the RIG concluded that the project is on schedule. They did identify three subprojects being implemented by two subgrantees that were significantly behind schedule, but these projects only represent five percent of the subproject funding (\$300,000 out of \$6,040,000). PADF is working closely with these two subgrantees to ensure that all project activities are completed on time.

E. Visit from the General Accounting Office

Two auditors from the GAO, George A. Taylor, Jr. and José Pena accompanied by Ray Lynch from the USAID/LAC office, visited project sites from March 13 to 16th. They visited work sites including Soil and Water Conservation at Palmist-a-Vin (CRS), two rehabilitated schools in Marigot (CHF), the potable water system rehabilitation project in Lafond (Plan International), the irrigation system rehabilitation in Lavanneau (CECI), two civil protection committees (CDRH), the Jacmel Civil Protection Committee (FEMA), the Thomazeau Road rehabilitation (PADF) and the Despuzeau Irrigation System (TADI). The auditors were impressed with the work sites and specifically commented on how much had been done with the small amount of resources and on the large number of workers at the sites (up to 1000). They also noted the importance of USAID's funding in Haiti since there were no other major donors providing reconstruction funds.

F. Coordination

The following section provides a listing of some of the key coordination and planning sessions that have occurred over the past quarter and highlights many of the important issues raised and/or addressed during those meetings:

1. HGRP Coordination Meetings

PADF, USAID and the HGRP Partners continued to meet monthly to discuss and review progress and to discuss common problems. The January meeting focused on preparing for the RIG audit. The February meeting focused on updated workplans and budgets. The March meeting focused on wrap-up activities.

2. Comité de Suivi

PADF maintained regular and frequent contacts with representatives of the Ministries involved in the HGRP at the *Comité de Suivi* to discuss technical choices for the sub-projects and also to seek their inputs in the preparation of the technical dossiers and the monitoring of the implementation.

G. Other USG Agencies

The US Army Corps of Engineers conducted its aerial survey of the Jacmel and Marigot watersheds in mid-January. They expect to distribute the first draft of their report on these watersheds in early April. The Army Corps is also planning to field a team of experts to analyze the disaster resistance of the schools rehabilitated under the HGRP.

Roy Jemison of USDA visited Haiti during this period to monitor progress on the Palmist-a-Vin project that they funded and to help USAID evaluate the progress on a couple of the HGRP sites. Dr. Jemison was particularly impressed with the work done on Plan International's soil and water conservation project at Lafond.

USDA is also working out an agreement with the Peace Corps to fund small projects.

FEMA is working with PADF to develop a private-public partnership in Jacmel along the lines of their Project Impact. Progress on this contract is described in a later section.

H. Site Visits

Throughout the quarter, both the technical and administrative staff worked with the local CBOs to ensure that the projects were implemented and administered correctly.

IV. Field Activities

PADF and its partners continued implementing at full capacity despite the security problems both in Port-au-Prince and the provinces. All HGRP staff has continued to travel throughout the provinces and no subprojects were shut down.

The table on the following page and the detailed Gantt chart in Annex 2 show the current list of subprojects and the lifecycle for each one. The table and Gantt chart have been revised from the last quarterly report to take into account the changes in the list of projects and the actual dates of contract signature. The map on the following page shows approximate locations for all of the projects.

A. Intermediate Results #2: Capacity for Agricultural Production Improved

1. ORE-Improved Seeds Program

This quarter ORE and PADF worked together to distribute seeds to the HGRP partners and throughout the South and Southeast departments. A total of 212 tons of seeds were distributed, bringing the project total to 355 tons as shown in the following table:

Distribution of Commercial Seed

Crop	Variety	This Quarter	Cumulative	Total Required	Percent
Corn	Chicken Corn	154.12	232.97		
	La Maquina 7827	15.63	31.19		
	Total	169.75	264.16	500	53%
Bean	Lore 87	15.81	43.53		
	Tamazulapa	11.95	26.56		
	Total	27.77	70.1	140	50%
Sorghum	Dodo97	14.68	20.75	75	28%
Total Seed		212.2	355.01	715	50%

During this quarter both ORE and PADF worked closely with all of the HGRP CBOs to market the seeds to them. As a result nearly every CBO purchased seeds. A total of 26.5 tons of ORE seeds (19.5 tons of beans, 4.5 tons of corn and 2.5 tons of sorghum) were distributed directly to the CBOs. The demand for bean seeds was more than ORE could satisfy, so PADF purchased an additional ten tons of seeds and distributed them directly to the CBOs in Belle Anse.

During the upcoming quarter, PADF and ORE will work closely with the CBOs to determine the increased yields from the different seeds distributed. During this period, ORE brought their total production to 415 tons of commercial seeds or 63% of their program target. The production of the remaining 300 tons is currently underway, although much of these 300 tons may not be distributed by the end of the program. PADF is currently working with USAID on how to resolve this issue.

PROGRAMME DE REHABILITATION DES INFRASTRUTURES ENDOMMAGEES PAR LE PASSAGE DU CYCLONE GEORGES

#	MDOO	OCB	Description	Résultats		Date de Signature de Contrat	Date d'achèvement prévue	Date d'achèvement effective	Comités de Protection Civile (KPSL)				
									Zones d'intervention	# Localités	Section Communales	Commune	Dépt.
1	ORE		Production de Semences Améliorées	715	tonnes	10-Jan-00	07-Sep-01						
2	CIAT		Assistance Technique à ORE			10-Jan-00	31-Aug-01						
3	Winrock		Assistance Technique de Fermier à Fermier	15	consul.	13-Jan-00	31-Aug-01						
4	CDRH		Formation en Préparation Pré désastre	20	comm.	08-Mar-00	31-Aug-01						
5	FAVACA		Assistance Technique à CDRH	8	consul.	06-Apr-00	22-Jun-01						
6	PADF	IPDG	Irriation à Cajoun	50	ha	17-Feb-00	30-Aug-00	30-Aug-00	Cajoun	12	2ème Gaillard	Cayes-Jacmel	Sud-Est
7	PADF	CODHA	Conservation du Sol et de l'Eau à Charettes/Cajoun	250	ha	17-Feb-00	30-Nov-00	22-Dec-00	Charettes	11	2ème Gaillard	Cayes-Jacmel	Sud-Est
8	PADF	MODPA	Irriation à La Saine (Anse-à-Pitres)	350	ha	21-Mar-00	22-Sep-00	30-Sep-00	Anse-à-Pitres	4	1ère Anse-à-Pitres	Anse-à-Pitres	Sud-Est
9	PADF	ATRADEM	Route Carrefour Beaugé-Thomazeau	11.7	km	17-May-00	31-Jan-01	31-Jan-01	Merceron	16	2ème Grande Plaine	Thomazeau	Ouest
10	PADF	TADI	Irriation à Despuzeau	1075	ha	17-May-00	31-Oct-00	31-Oct-00	Beauge	9	1ère Galet Chambon	Ganther	Ouest
11	CRS	AGPP	Conservation du sol et de l'eau à Palmiste à Vin	108	ha	06-Apr-00	28-Apr-01		Palmiste-à-vin	9	1ème Palmiste-à-vin	Leogane	Ouest
12	Plan	KADEL	Conservation du Sol et de l'Eau à Lafond	230	ha	22-May-00	30-Apr-01	28-Feb-01	Lafond	12	1ère Bas Cap Rouge	Jacmel	Sud-Est
13	CECI	Sauvons Un Pays	Irriation à Lavaneau-Desmarathe-Blaise-Muntie	450	ha	26-May-00	30-Apr-01		Lavaneau	12	12ème Lavaneau	Jacmel	Sud-Est
14	Winrock	WIFGPB	Écoles à Belle Fontaine	2	u	26-Jun-00	09-Jul-01						
15	CRS	COREM	Conservation du Sol et de l'Eau à Bahot-Musac	80	ha	14-Jul-00	30-Jun-01		Musac	8	La Vallée de Jacmel	Jacmel	Sud-Est
16	CHF		Écoles I	7	u	14-Jul-00	28-Sep-00	30-Sep-00					
17	CRS	AASCOB	Conservation du Sol et de l'Eau à Ravine Matwala	175	ha	20-Jul-00	12-Jul-01		Bodarie	10	Quartier	Grand Gosier	Sud-Est
18	CRS	CARITAS	Irriation à Cavillon, Bercy & Clonard	674	ha	28-Aug-00	06-Jun-01		Bercy, Dory	21	2ème Martineau	Cavillon	Sud
19	Plan	KOMELAK	Eau Potable à Lafond	5	km	10-Aug-00	30-Apr-01		Lafond		5ème Mabilal	Jacmel	Sud Est
20	PADF	GRASE	Conservation du sol et de l'eau à Nan Plézi	350	ha	25-Sep-00	16-Jun-01		Mapou	14	1ère Bodarie	Grand Gosier	Sud-Est
21	PADF	CARITAS	Conservation de sol et de l'eau à Kakont	400	ha	25-Sep-00	30-Jun-01		Bel-Air	10	5ème Bel-Air	Belle Anse	Sud-Est
22	CECI	FEUCAJ	Irriation-Ka David	375	ha	02-Oct-00	30-Apr-01		Ka David/Mahothik	11	1ère Normande	Cayes-Jacmel	Sud-Est
23	CHF		Écoles II	8	u	27-Sep-00	31-Dec-00	28-Dec-00					
24	CHF		Reconstruction de l'école de Bois d'Orme	1	u	19-Oct-00	15-May-01		Bois d'Orme	16	2ème Bois d'Orme	Anse-à-Pitres	Sud-Est
25	CHF	MACARY	Systèmes d'Eau Potable de Macary-Moril	5.3	km	25-Oct-00	30-Apr-01		Macary	8	3ème Marigot	Marigot	Sud-Est
26	CHF	UJM	Systèmes d'Eau Potable de Mahotièrre	5.2	km	25-Oct-00	30-Apr-01		Mahotièrre		2ème Gaillard	Cayes Jacmel	Sud Est
27	CHF	FFGD	Système d'Eau Potable de Charette	4.5	km	08-Nov-00	30-Apr-01		Charette		2ème Gaillard	Cayes Jacmel	Sud-Est
28	CHF	ART-LIM	Systèmes d'Eau Potable de Artigue et Limè	7	km	13-Dec-00	15-May-01						
29	CECI	ATASE	Irriation à Cvadier-Meyer-Orangers	216	ha	10-Dec-00	30-Apr-01		Cyvadler-Meyer	11	1ère Bas Cap Rouge	Jacmel	Sud-Est
30	CHF		Écoles III	5	u	05-Jan-01	04-May-01						
31	CRS	CARITAS	Eau Potable, Bodarie, Mare Mirande, Mapou	5	km	05-Mar-01	06-Jul-01		Mapou		2ème Po de Chambre	Thiotte	Sud-Est
32	Plan		Protection de Berges - Rivière des Orangers						Zoranje	11	1ère Bas Cap Rouge	Jacmel	Sud-Est
33	PADF		Réhabilitation de la route de Cap Rouge	10.5	km	02-Apr-01	17-Sep-01		Cap Rouge		1ère Haut Cap Rouge	Jacmel	Sud-Est
34	PADF		Citigroup Schools	2	u								

	Achévé	En Cours	Sur Etude	Total	But	
Conservation du Sol	250	1343	0	1593	900	177%
Route	11.7	0	10.5	22.2	12	185%
Irriation	1475	1715	0	3190	1700	188%
Eau Potable	0	32	0	32	27	119%
Écoles	15	8	2	25	24	104%



Production of Commercial Seeds

Crop	Variety	To Date	Total Required	Percent
Corn	Chicken Corn	258		
	La Maquina 7827	62		
	Total	320	500	64%
Bean	Lore 87	43		
	Tamazulapa	27		
	Total	70	140	50%
Sorghum	Dodo97	61	75	81%
Total Seeds		451	715	54%

The climate has continued to be unfavorable both to seed production and to agriculture in general. Rainfall this quarter was only 98 mm compared with an average of over 300 mm over the last eight years. As a result, many farmers were reluctant to plant and the production of seeds may be reduced.

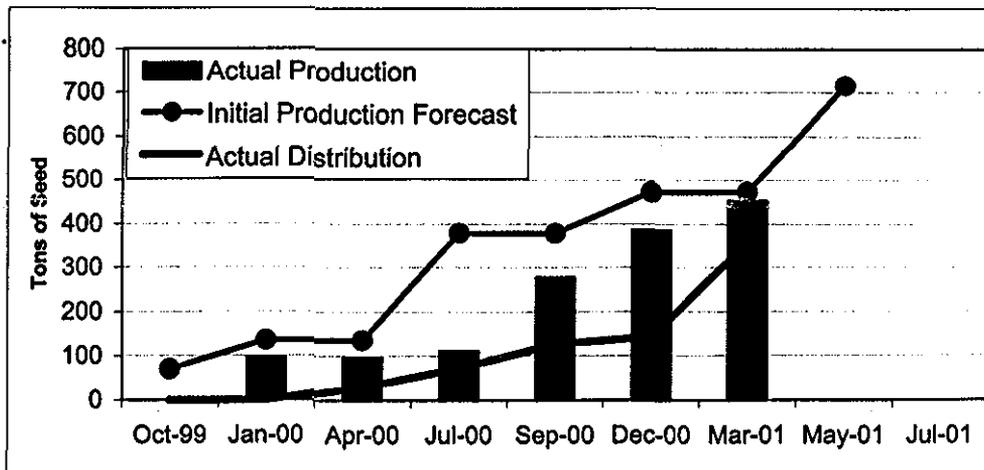
ORE has had to produce more basic seed than originally planned due to the production losses due to drought and flooding. As a result, ORE has produced to date 52.1 tons of seeds but has only nine tons in stock. They will be able to produce the additional 16 tons to ensure that 25 tons are in stock by the end of the program.

Production of Basic Seed

Crop	To Date	Total Required	Percent	In Stock
Corn	15.5	15	58%	3
Bean	28.8	19	60%	3
Sorghum	7.8	4.53	95%	3
Total Seed	52.1	36	68%	9

Note that as originally planned, 11 tons of basic seed will be used by the program leaving 25 tons at the end of the program.

Cumulative total of seeds that ORE has produced and distributed through March and the amount forecast until the end of the program



ORE has expended a total of \$888,602 out of their total budget of \$1,239,210, representing 72% of their total obligated expenditures.

2. CIAT-Technical Assistance to Improve Germplasm

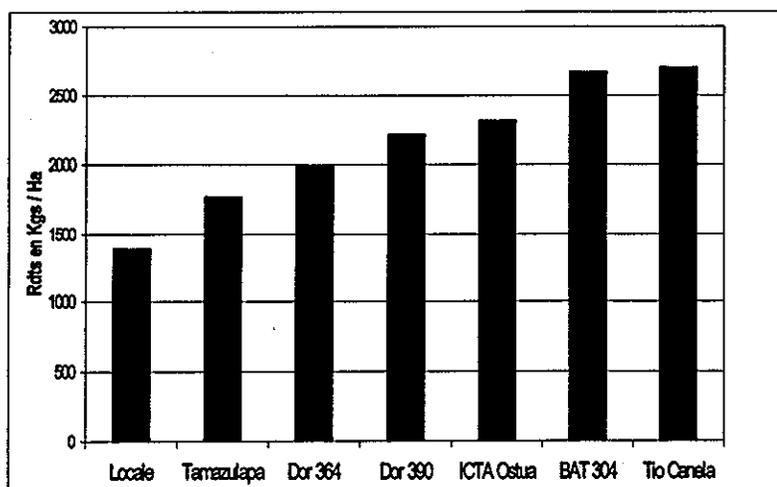
CIAT has made strong progress in its testing of the beans, cassava, tropical forages and corn. ORE and CIAT have identified two types of beans that work well in Haiti: a red bean, Tiocanela and a black bean, BAT 304. They have expended \$211,278 of their \$400,000 budget or 53% of obligated expenditures.

a) Beans

Two pre-validation trials were conducted during this quarter, one in Savane Dubois, Marigot municipality, and one in Petit-Goâve. The following varieties were evaluated within these trials:

- BAT 304
- TIO CANELA
- DOR 364
- DOR 390
- ICTA OSTUA
- TAMAZULAPA and
- The local variety

No significant manifestation of the Golden Mosaic illness has been observed in the improved varieties during their development cycle, however this virus affected the local variety. The outcomes identified for these trials are summarized in the following graph:



b) Cassava

Five trials have already been established during the past two quarters with improved varieties introduced from the Dominican Republic. These trials showed good development despite the dry conditions that prevailed in the Southeast during the past season. Naturally, the vegetative development is more advanced in irrigated areas than in non-irrigated hillside areas where the impact of the low rainfall is felt most strongly.

Five new varieties sent by CIAT from Cuba and Panama were added to the six other varieties introduced from the Dominican Republic in the multiplication plots to be established in Damien and Camp-Perrin next quarter.

c) Maize

CIAT/ORE have submitted the results of the first field trials to the CIAT home office in Cali and CIMMYT in Mexico for analysis. Once these results are obtained, the next set of field tests will be organized.

d) Tropical Forages

Field trials continue on a variety of forages. During the technical visits next quarter, the experts from CIAT will determine how best to proceed with the evaluations.

3. Winrock International: Farmer-to-Farmer Program

Winrock fielded two volunteers in March bringing the number of volunteers fielded to six out of fifteen. Winrock had not received permission to bring volunteers to Haiti from mid-November until the beginning of March. The delays due to these restrictions caused Winrock to lose several well-qualified volunteers. Winrock has been able to find well-qualified replacements for these volunteers, but it has made their programming very challenging.

Volunteers fielded during this quarter were as follows:

1. Coffee production: Norm Bezona, March 8-21, 2001
2. Cooperative Development: David Willett, March 8-21, 2001

Currently, all remaining assignments have been identified and scopes of work have been prepared for all but one assignment (fish farming). Winrock has prepared a schedule for all remaining travel. While there are typically minor schedule fluctuations due to airplane schedules etc, Winrock anticipates that the full complement of volunteers for the Farmer-to-Farmer program will be fielded by the end of June.

The filled and planned placements are listed in the following table:

Number	Assignment	Name	Dates
Completed			
HAI001	Integrated Farming Systems For Small Landholders	Arden Colehour	
HAI002	Aquaculture Production, Distribution, Market	Mark Stopha	
HAI005	Garlic Expert	John Fitzgerald	
HAI008	Banana Production in the Area of Cayes-Jacmel	Greg Fonsah	
HAI009	Coffee Production	Norm Bezona	3/8 -3/21
HAI012	Cooperative Development	David Willett	3/8 -3/21

Number	Assignment	Name	Dates
Planned			
HAI011	Beekeeping	Ann Harman	4/16-4/28
HAI010	Irrigation	Doyle Burch	4/23-5/5
	Aquaculture follow-up	Mark Stopha	5/7-5/12
HAI007	Vegetable Crop	Gary Pelter	5/7-5/19
HAI003	Rabbit	Jim McNitt	5/14-5/26
HAI004	Goat Breeding	Bruce & Patty Olcott	5/28-6/9
HAI006	Marketing Citrus	Adaire Morse	6/1-6/16
HAI013	Banana	Howard Hiraе	6/10-6/25
Additional SOW Developed			
HAI014	Processing Corn Grits		
HAI015	Processing Fruit Expert		
Other Available Volunteers			
	Microfinance	B. J. Shannon	
	Human Resource Management	Edie Shannon	

Winrock International has expended a total of \$71,305 or 36% of its \$200,025 budget and have fielded 40% of their volunteers. However the volunteers have come for a shorter period of time than had been originally planned. As a result, the cumulative time worked by the volunteer is approximately 80 days out of their contracted 270 days (30%). PADF and Winrock International are working to resolve this issue.

B. Priority Subprojects (IR 3 and 4: Infrastructure and Environmental Projects)

Four of the six priority subprojects were completed in previous quarters and a fifth, the rehabilitation of the Thomazeau-Carrefour Beaugé Road, was completed this quarter. The only remaining project is the soil and water conservation project in Matwala being supervised by CRS.

1. Rehabilitation of the Thomazeau-Carrefour Beaugé Road

The 11.7 km road linking Thomazeau and Carrefour-Beaugé was flooded to a depth of over a meter during Hurricane Georges. The roadbed was in many cases lower than the surrounding ground and thus constantly flooded under normal conditions. During the rainy season the road was hardly passable even with a good four-wheel drive vehicle. During the dry season only the rare vehicle used the road.

The rehabilitation of this road was a priority of the Haitian Government and for USAID and was therefore included in PADF's contract as one of the six priority projects. Due to the high amount of backfill material required to improve the road, PADF was not able to contract all of the work to a local CBO. Instead, PADF split the work into the labor component that was implemented by a local CBO, ATRADEM, and the heavy machinery component that was implemented by a contractor, NACOSE.

Implementation started on 1 June 2000. The sub-project was scheduled to last seven months. Given some delays due to external constraints such as heavy rains, the contract was extended by two months and completed in late February 2001. The total cost for this sub-project was 8,806,819 Gourdes (\$375,742).

Since completion of the work on the road, the traffic has increased dramatically. Already by the end of February, the traffic was up to 75 vehicles per day. Additionally several agrobusinesses have sprung up along the road such as a refrigeration plant and a mill. The road surface is in such a good condition that the local villagers have installed speed bumps in many of the villages.

The field works done are as follows:

Activities	Unit	Planned Quantity	Previous	Current Quarter	Cumulated	%
Layout	ML	11,700	11,700	0	11,700	100%
Bush clearing	ML	11,700	11,700	0	11,700	100%
Trimming	ML	9,270	9,287	345	9,632	100%
Scarifying	M2	70,200	52,000	28,000	80,000	104%
Digging of ditches	ML	15,210	13,810	1,267	15,077	99%
Digging of outlets	ML	1,830	1,705	189	1,894	103%
Cleaning of culverts	ML	180	110	87	197	109%
Base course	M3	24,126	15,300	13,602	28,902	120%
Excavation of cross drains	M3	760	673	164	837	110%
Cross drainage	ML	270	222	90	312	116%
Excavation	M3	95	175	0	175	184%
Overlay	M3	670	675	240	915	137%
Purge	M3	804	810	288	1,098	137%

2. Soil and Water Conservation at Matwala

This subproject is being implemented by CRS, with the participation of the CBO, AASCOB. Implementation started at the beginning of October and is now 60% complete. Its estimated cost is Gdes 2,692,570 and to date, the status of activities are as follows:

Activities	Unit	Planned Quantity	Previous	Current Quarter	Cumulated	%
Hedgerow	ML	6,000	1,350	3,550	4,900	82%
Dry Wall	ML	10,000	3,421	5,579	9,000	90%
Plant Production	PL	48,000	10,500	500	10,500	22%

C. Other IR 3 and 4 Sub-Projects (Infrastructure and Environmental Sub-Projects)

1. Catholic Relief Service (CRS)

CRS has been contracted to implement the priority subproject *Matwala Soil and Water Conservation* mentioned above and four other sub-projects for the sum of US\$ 767,104 of which CRS has expended \$466,898 or 61% of their contract. CRS has slipped behind in the implementation of their program. During the next quarter, PADF will work closely with them to ensure that all the work is completed by the end of August.

a) Soil and Water Conservation at Palmiste-a-Vin

CRS contracted with AGPP to implement this program beginning on 29 May 2000 for an estimated cost of Gdes 2,436,430. Although the work was scheduled to be completed at the

end of April, due to the late rains the project is now expected to be completed by mid-June. The project is currently 80% complete and the status is as shown below:

Activities	Unit	Planned Quantity	Previous	Current Quarter	Cumulated	%
Correction of ravines	ML	7,500	7,000	600	7,600	101%
Gully Plug	ML	5,700	3,255	391	3,646	57%
Terrasses	ML	75,000	40,000	0	40,000	53%
Hedgerow	ML	0	220	0	220	-
Plant Production	U	50,000	39,054	0	39,054	78%

b) Soil and Water Conservation at Bahot-Musac

This subproject has been approved and implementation started on 31 July 2000. Its estimated cost is Gdes 1,451,215. The project is currently 52% complete. CRS expects to complete work on this project in June. The status of the project is shown below:

Activities	Unit	Planned Quantity	Previous	Current Quarter	Cumulated	%
Gully Plug	ML	4,169	2,010	2,328	4,348	87%
Hedgerow	ML	66,000	9,532	20,418	29,950	45%
Plant Production	PL	40,000	10,000	0	10,000	25%

c) Irrigation System Rehabilitation at Cavaillon, Bercy and Clonard

This subproject has been approved and implementation started the first week of October 2000 with the implementing organization, Caritas of the South. The budget for this project is Gdes 3,794,787. The project is currently 80% complete and should be completed by the beginning of May. The status of the project is shown below:

Activities	Unit	Planned Quantity	Previous	Current Quarter	Cumulated	%
Catchment rehabilitation	U	1	1		1	100%
Canal cleaning	ML	19,000	17,138	1,862	21,000	110%
River bank cleaning	ML	19,000	6,346	11,350	17,696	93%
Basin rehabilitation	U	50	1	21	22	44%
Crossing bridges	U	14	0	0	0	0%
Canal rehabilitation	ML	700	21	911	932	133%

d) Potable Water System Rehabilitation (Mare-Mirande, Mapou and Bodarie)

The technical dossier for this subproject was approved this quarter. Most of the activities are located in Bodarie, where the piped water system is under repair. The spring catchment has been rehabilitated and the broken pipes replaced.

In Mapou and Mare Mirande, they are going to start the construction of the rain catchment reservoirs early next quarter.

2. Cooperative Housing Foundation (CHF)

CHF is responsible for two types of work: school repair and potable water systems. Their budget was modified this quarter to increase their funding to \$417,000 to allow them to completely rehabilitate the Bois d'Orme school. They have expended \$326,535 or 78% of their budget.

CHF shortage of vehicles to transport of raw materials and monitor the field works was partially solved this quarter. CHF was loaned two pick up trucks from PADF, although one has had a series of mechanical problems.

a) School Repair

CHF submitted a third lot of schools with an addendum that included work on five schools. This brought to 20 the number of schools being repaired by CHF. PADF and USAID approved this work that should be completed by the end of May. CHF has had great difficulty in finding the one remaining school to be repaired and has instead proposed to perform additional work on the Savanne Zombie school. ²

Following is the list of schools being rehabilitated under this program.

Name	Location	Budget (Gdes)	Principal Work Performed
Lot I			
1. Ecole Nationale Sainte Rose de Dade	La Vallée de Jamel	93,960.11	Plastering, doors, 37 m ² of wall, 132 m ² of floor
2. Collège Notre Dame de l'Assomption	Cayes Jacmel	82,550.89	Rehabilitation of the roof, plastering, doors, 58 m ² of wall, 47 m ² of outdoor paved floors
3. Ecole Nationale des Filles de Marigot	Marigot	114,689.56	Rehabilitation of roof, 135 m ² of ceiling, doors, window
4. Ecole Nationale de Thiotte	Thiotte	79,925.98	Rehabilitation of the roof, plastering, doors, 720 m ² painting
5. Ecole Nationale de Bony	Anses à Pitres	82,832.08	Rehabilitation of the roof, plastering, doors, 1340 m ² painting
6. Ecole Nationale de Cibao	Belle Anse	115,259.72	Rehabilitation of the roof, plastering, doors, 350 m ² painting, sanitary block
7. Ecole Morne des Commissaires	Thiotte	171,902.74	Rehabilitation of the roof, plastering, doors, 157 m ² of wall, 154 m ² of floors
Lot II			
8. Ecole nationale de Marigot	Marigot	98,633.75	Roof rehabilitation, plastering, painting, 3 doors
9. Lycee of Belle Anse	Belle Anse	96,975.00	Rehabilitation of the roof, plastering, windows, 12 m ² of wall, doors
10. Ecole Nationale de Nan Malgre	Belle Anse	104,312.75	Rehabilitation of roof, walls and windows, plastering
11. Ecole Nationale de Grisgris	Bainet	87,458.50	Rehabilitation of roof and windows, plastering
12. Ecole Nationale de Bodarie	Thiotte	65,681.50	Rehabilitation of roof, windows and plastering
13. Ecole Nationale Exina Gilles	Jacmel	116,495.63	Plastering of ceiling of concrete slab and foundations
14. Nationale de Edesse	Jacmel	91,362.75	Rehabilitation of roof, floor, doors,

Name	Location	Budget (Gdes)	Principal Work Performed
Gousse			windows
15. Centre Educatif de Furcy	Furcy	135,440.31	Roof repair, columns, windows
Lot III			
16. Ecole Nationale de Cabaret	Jacmel	119,847.75	Rehabilitation of the roof, plastering, doors, 106 m ² of wall, window
17. Ecole nationale de Meyer	Jacmel	45,661.00	Rehabilitation of the roof, plastering, doors
18. Ecole Nationale Charles Moravia	Jacmel	164,973.25	Rehabilitation of the roof, plastering, 8 doors and windows, 192 m ² of ceiling, 192 m ² of floor
19. Ecole Nationale de Lafond	Jacmel	130,522.10	Rehabilitation of the roof, plastering
20. Ecole Communautaire Jean XXIII	Thiotte	121,653.70	Rehabilitation of the roof, plastering, 350 m ² of wall
Total		2,120,188.57	

b) Bois d'Orme School

The school at Bois d'Orme is a public elementary school. The community acquired private land to increase the school capacity and offered to provide rocks and unskilled labor to build a new school after their old shelter was destroyed by Hurricane Georges. The new construction is located seven kilometers to the southeast of Thiotte.

The construction works started at the beginning of November and are scheduled to end on May 15. The estimated cost for the building is \$84,689.77. The progress made to date is as follows:

Description	Previously	This Quarter
Foundations	100%	100%
Basements	100%	100%
Columns	98%	100%
Cement blocks	100%	100%
Floor	0	100%
Roof	0	70%
Finishing touches	0	0
Cistern	0	0
Latrines	0	0

c) Potable Water System Rehabilitation

CHF submitted proposals to rehabilitate four potable water systems this quarter. PADF approved all four. They total 22 kilometers of pipe, which is two kilometers more than called for in CHF's contract. Works started on two systems during this quarter. The systems are as follows:

CBO	Location	Length	Status	# Beneficiaries
MACARY	Macary-Moril	5.3 km	95%	5,200
UJM	Mahotiere	5.2 km	95%	3,750
FPGD	Charette	4.5 km	95%	2,500
ART-LIM	Artigue et Limè	7.0 km	30%	800

CBO	Location	Length	Status	# Beneficiaries
	Total	22.0 km		12,250

The first three subprojects have reached 95% completion and should be complete by the end of the April 2001. L'Artigue et Lime saw a slow start. It is expected that the planned activities will be carried out by the end of May.

3. Centre Canadien d'Etude et de Coopération Internationale (CECI)

CECI is rehabilitating four irrigation systems, all of which will be completed by the end of April. They have expended \$345,816 or 78% out of their budget of \$443,662.

a) Irrigation System Rehabilitation at Lavaneau, Blaise, Desmarathe and Munitle

CECI has contracted the CBO, "Let's save a Country," as the implementing agency for this sub-project. The activities started on July 31. CECI had expected that the field works could be completed within four months, but the project started slowly and the river diversion proved more difficult to construct than planned and ultimately required heavy equipment rather than manual labor. The project should be completed by the end of April with an estimated cost of Gdes 2,327,189. The status of this subproject is shown below:

Activities	Unit	Planned Quantity	Previous	Current Quarter	Cumulated	%
Layout	ML	1,000	1,000	1,000	1,000	100%
Canal Cleaning and digging	M3	3,230	2,560	670.1	3,230.9	100%
Gabions	M3	1,980	1,035	945	1,980	100%
Masonry	M3	800	397	376.2	772.97	96.6%
Concrete	M3	49	26	23.3	49	100%
Gates	U	10	0	0	0	0%

b) Irrigation System Rehabilitation at Ka David

CECI has contracted with the "Users Federation of Jean David Canal" (FEUCAJ), technically assisted by ALTESHA, to rehabilitate this system for Gdes 2,018,196.65. The subproject is currently 80% complete and should be completed by the end of April. The following activities have been carried out:

Activities	Unit	Planned Quantity	Previous	Current Quarter	Cumulated	%
Layout	ML	3,116	3,020	96	3,116	100%
Canal Cleaning and digging	M3	6,113	2,774.6	3,338.4	6,113	100%
Gabions	M3	306		286	286	93%
Masonry	M3	750		414.64	414.64	55%
Concrete	M3	53	18	31	49	92%
Gates	U	35	0	0	0	0%

c) Irrigation System Rehabilitation at Cyvadler, Meyer and Orangers

The field activities for this subproject started 10 December 2000 and are implemented by three users associations, each well organized in their respective area. They are technically supported by "Association des Techniciens du Sud-Est" (ATASE). The budget allocated is Gdes 1,805,505. The status of the subproject is as follows:

Activities	Unit	Planned Quantity	Previous	Current Quarter	Cumulated	%
Layout	ML	5,000	1,000	4,000	5,000	100%
Canal Cleaning and digging	M3	3,700	295.3	3,404.7	3,700	100%
Gabions	M3	80		80	80	100%
Masonry	M3	800		780	780	97.5%
Concrete	M3	105		95	95	90.4%
Gates	U	35		-	-	0%

4. Plan International

To date, Plan has expended \$201,083 or 59% of their total budget of \$339,508. Their contract is to implement three subprojects:

a) Soil and water conservation at Lafond

Plan International started its first subproject slowly. They began implementing at the end of July, but work did not begin in earnest until October. This subproject aims to restore 280 hectares at an estimated cost of Gdes 3,278,167. CODELE is the implementing organization, technically supported by GRADED. Plan International had estimated the duration of the activities to be seven months, through the end of February, but the tree planting has been delayed due to late rains.

The mechanical and biological structures implemented performed well during the last rainy season. To date, the status of the activities conducted is the following:

Activities	Unit	Planned Quantity	Previous	Current Quarter	Cumulated	%
Hedgerow	ML	36,000		37,000	37,000	103%
Dry Wall	ML	24,100	5,000	17,660	24,100	100%
Plant Production	PL	129,600	5,000	54,600	60,000	50%
Planting	PL	120,000		34,600	34,600	29%
Gully Plug	ML	8,640	2,500	5,715	8,640	100%
Terraces	ML	50,000		25,000	50,000	100%
Training	URL	120		120	120	100%

b) Potable Water System Rehabilitation at Lafond

The final version of the proposal for the potable water system rehabilitation in Lafond was approved on August 10, 2000 but the field activities did not start until November due to some administrative problems. This subproject is being implemented by the CBO, KOMELAK, technically supported by SIT. It will cost Gdes 2,255,964 and will rehabilitate five kilometers of potable water system.

Plan had estimated the subproject duration to be four months, ending the last week of March. However, Plan had to halt work on the reservoir because they could not find quality cement in Jacmel. Furthermore, they had difficulty finding the automatic shut-off faucets recommended by USAID. Plan has since found good cement and has purchased the faucets. The project is now 80% completed.

This period saw the construction of the reservoir to replace the one destroyed by the hurricane. The other main activity of the subproject, the protection of the riverbank, has been completed. The remaining activities are repairs on the pipeline and on some public fountains.

c) Riverbank Protection at Orangers

The third subproject, which will be implemented by Plan International, is the Protection of the River Bank of the Orangers River. The planned activities will focus on riverbank correction along the localities of Karoc and Orangers to protect agricultural lands, houses, livestock and the access road. The budget forecast for this subproject is 3,145,320 Gourdes.

Plan's initial project design did not adequately address all of the site problems. Based on joint site visits and on the findings in the Jacmel watershed study, Plan is revising its design.

5. Winrock International

The sum of \$53,000.00 has been allocated to Winrock to rebuild two schools in the Belle Fontaine area at Grande Chasse and at Grande Savanne located seven miles apart. Work started 2 October, stopped at the end of December for the Holiday season and restarted in January. Through the end of February Winrock had expended \$12,247 or 23% of its budget. They did not submit a financial report for March.

The progress made to date is as follows:

Description	Grande Chasse	Grande Savanne
Foundation	100%	100%
Backfill	90%	100%
Columns	70%	80%
Cement blocks	0	75%
Floor	0	0
Roof	0	0
Finishing touches	0	0
Cistern	0	0
Latrines	0	0

6. Pan American Development Foundation

a) Soil and Water Conservation at Kakont (Belle Anse)

This project started 2 October 2000 and is scheduled to last eight months. The estimated total cost of the activities is Gdes 2,432,649. The project has two components: soil and water conservation and spring catchment.

The initial idea of the potable water system was to protect the spring and feed a reservoir to be built at approximately 200 meters from the spring. The reservoir will, in turn, supply a public fountain equipped with faucets. During the December USAID-PADF site visit, the

technicians suggested that for a minimal cost the water could be piped down the hill thereby dramatically reducing the effort required for the villagers to get water.

PADF's first step was to make a topographical survey to make sure that the system could be gravity-fed. The survey revealed that it was technically feasible. A new budget has been calculated, and the initial contract amended accordingly.

The layout has been done from the data collected during the study. The digging of the trenches is almost complete. The reservoir has reached 100% completion. It is anticipated that the pipes will be laid next quarter.

In February a boat carrying two project staff members back from HGRP meetings in Jacmel sank and both drowned. The loss of these two individuals caused the project to stop for two weeks and has resulted in a slight delay in activities. To date, the status of this project is as follows:

Activities	Unit	Planned Quantity	Previous	Current Quarter	Cumulated	%
Dry Wall	ML	1,600	12,235	1,950	14,186	89%
Planting	PL	1,000	1,000	0	1,000	100%
Gully Plug	ML	2,185	1,249	55	1,303	60%
Gabions	M3	40	40	0	40	100%
Spring Capping	U	1	0	50%	50%	50%
Extension of pipes	U	1	0	0	0	0%

b) Soil and Water Conservation at Nan Plezi (Ravine Bolivar)

This project started 2 October 2000 and is scheduled to last eight months. The estimated total cost of the activities to implement is Gdes 1,833,819.55. To date, the status of this project is as follows:

Activities	Unit	Planned Quantity	Previous	Current Quarter	Cumulated	%
Contour canal	ML	2,750	792	212	1,004	36.5%
Dry Wall	ML	20,750	9,955	4640	14,605	70.3%
Planting	PL	1,000	350	0	350	35%
Gully Plug	ML	1,071	6,351	72	6,423	600%
Gabions	M3	100	113	0	113	113%
Hedgerow	ML	45,000	100	2000	2,100	5%

Given the scarcity of rocks in the area, PADF has changed some activities in this project for instance replacing some of the mechanical structures with biological ones. A mid-term review is planned to finalize these revisions.

c) Cap Rouge Road

In close collaboration with the Ministry of TPTC and USAID, PADF/HGRP selected a segment of the Jacmel – Cap Rouge road (Manze Marie – Cap Rouge) to rehabilitate using the surplus of funds generated by the fall in the value of the Gourde. The geographical zone of Cap Rouge is agriculturally wealthy, producing a lot of varieties of coffee, including the USAID-supported Haitian Blue, as well as other products marketed through the USAID-

funded Hillside Agriculture Program. However, the access road is in such bad shape that transporting the crops is difficult and entire crops have been left to rot for lack of transport.

PADH/HGRP will intervene on 10.5 of the 16 kilometers total road length. While the Ministry of TPTC committed itself to seek funds to rehabilitate the first 4.5 kilometers of Jacmel – Manze Marie, PADF/HGRP will also fund a riverbank protection project, which will be implemented by Plan International.

With USAID approval, a restricted tender was held between six local firms. PADF has selected G&P Ingenierie as offering the best bid and is reviewing the bids with USAID. The contract should be signed in early April 2001.

d) Citigroup Schools

PADF has received a grant of \$25,000 from Citigroup to repair two schools. PADF in consultation with the Ministry of Education and the Ministry of Plan, has identified the Lycée Celie Lamour in Jacmel and the École Nationale de Raymond in Cayes-Jacmel for this work. The technical proposal will be finalized in April.

7. Sub-projects completed to date

PADF and its partners have completed seven subprojects to date:

- Irrigation system rehabilitation in Cajoun (PADF)
- Irrigation system rehabilitation in Anse-a-Pitres (PADF)
- Rehabilitation of the first lot of 7 schools: Dade (1), Marigot (2), Thiotte (1), Bony (1), Savane Zombi (1) and Cibao (1) (CHF).
- Irrigation system rehabilitation at Despuzeau (PADF)
- Soil and water conservation at Cajoun-Charettes (PADF)
- Rehabilitation of the second lot of 8 schools: Belle Anse (2), Marigot (1), Thiotte (1), Bodarie (1), Jacmel (2) and Grigris (1) (CHF).
- Carrefour Beauge – Thomazeau road rehabilitation

D. Intermediate Result #5: Increased Local Capacity to Address Mitigation and Disaster Preparedness

1. CDRH

CDRH is working to develop the community institutional level and capacities to mitigate the effects of natural disasters. The interventions target the communities where prior interventions have been made under IR3 and IR4. CDRH submitted their technical report too late to have it included in this report.

During this quarter, the Project Coordinator, Stephen Francisque left CDRH and was replaced by Mme Odile Reiher.

This quarter, CDRH held 16 seminars involving 386 participants and completed the training cycle in all of the target communities. In 11 of the areas, CDRH combined the planned seminars III and IV into one three-day seminar to reduce costs. CDRH has submitted to PADF draft action plans for four committees and draft legal statutes for six. The following table shows CDRH training seminars held to date and the status of the action plans and legal statutes ("D" indicates draft and "F" indicates final):

Table of seminars

	Site	# "Localités"	Rural Section	Municipality	Dept.	I	II	III	IV	Action Plan	Legal Statutes
1	Beauge	9	1ere Galet Chambon	Ganthier	Ouest	X	X	X	X	D	D
2	Merceron/ Thomazeau	16	2eme Grande Plaine	Thomazeau	Ouest	X	X	X	X		
3	Palmiste-a-vin	9	15eme Palmiste-a-vin	Leogane	Ouest	X	X	X	X		D
4	Fondwa	10	10eme Fondwa	Leogane	Ouest	X	X	X	X	D	D
5	Musac	8	La Vallee de Jacmel	Jacmel	Sud-Est	X	X	X	X		
6	Lafond	12	1ere Bas Cap Rouge	Jacmel	Sud-Est	X	X	X	X		D
7	Zoranje	11	1ere Bas Cap Rouge	Jacmel	Sud-Est	X	X	X	X		
8	Lavanneau	12	12eme Lavanneau	Jacmel	Sud-Est	X	X	X	X		
9	Cyadier/Meyer	11		Cayes- Jacmel	Sud-Est	X	X	X	X		
10	Ka David	11	1ere Ravine Normande	Cayes- Jacmel	Sud-Est	X	X	X			
11	Cajeun	12	2eme Gaillard	Cayes- Jacmel	Sud-Est	X	X	X			
12	Charettes	11	2eme Gaillard	Cayes- Jacmel	Sud-Est	X	X	X			
13	Macary	8	3eme Macary	Marigot	Sud-Est	X	X	X			
14	Bel-Air	10	5eme Bel-Air	Belle Anse	Sud-Est	X	X	X		D	
15	Mapou	14	1ere Bodarie	Grand Gosier	Sud-Est	X	X	X			
16	Bodarie	10	Quartier	Grand Gosier	Sud-Est	X	X	X		D	D
17	Bois d'Orne	16	2eme Bois d'Orne	Anse-a- Pitres	Sud-Est	X	X	X			
18	Anse-a-Pitres	4	1ere Anse-a- Pitres	Anse-a- Pitres	Sud-Est	X	X	X			
19	Bercy	10	2eme Martineau	Cavaillon	Sud	X	X	X			
20	Dory	11	10eme Dory	Maniche	Sud	X	X	X			
21	Marigot/Peredo			Marigot	Sud-Est	X	X	X			D

Last quarter, PADF reported that two communities had completed their action plans and their request for legal recognition, but upon field verification PADF determined that both documents were preliminary drafts. During March, CDRH focused on working with each

committee to determine the work still required to complete their action plan and to legalize their status. CDRH will work with all of the committees during the next quarter to help them finalize both of these documents.

CDRH held an additional five community animation sessions to show their video *Organize-W (Get Organized)* to over 800 participants and then led a debate on disaster preparedness. This activity aimed at helping the communities to better prepare the population to cope with a natural disaster.

CDRH also finalized the design of the first aid and potable water maintenance training programs. This training will start next month.

CDRH has expended \$330,494 to date of its original contract of approximately \$600,000, which is 55% of its budget. CDRH's budget is being revised to reflect their actual needs. Due to the devaluation of the Gourde, the budget revision will make more Gourdes available although it will result in a reduction of the dollar value.

2. FAVA/CA

FAVA/CA brought three volunteers to Haiti during this quarter bringing to four the total number of volunteers fielded to date. The list of volunteers fielded and FAVA/CA's plans for future volunteers are shown in the following table:

No.	Assignment	Name	Dates
	Completed		
1	Review the CDRH training program	Julie Collins	6/20-23 '00
2	Enhance emergency training at the grassroots level.	David Crisp	1/8-13 '01
3	Technical assistance for the civil protection action plan.	Irene Cabral	3/1-3/4 '01
4	Technical assistance for improving GIS for action plans	William Pollock	3/1-3/4 '01
	Planned		
5	Design of a disaster simulation	Julie Collins	Late April
6	Conducting the simulation		May
7	Additional training on GIS		April or May
8	Assisting CDRH in conducting seminars with diaspora		June

a) Enhance emergency training at the grassroots level.

CDRH requested FAVA/CA's assistance to continue working on the community based disaster mitigation training program for Jacmel. Tallahasseean David Crisp, an emergency planner for the Florida Division of Emergency Management came to Haiti January 8-13, 2001, to review the action plans CDRH has developed. Crisp also traveled to Jacmel to attend a community-planning meeting and conduct "Risk Analysis" workshops with the local committee trainers.

b) Technical assistance for the civil protection action plan

CDRH also requested FAVA/CA's assistance to continue work on the Emergency Management Action Plan for Jacmel. On March 1-4, 2001 volunteer and emergency planner Irene Cabral, came to Haiti to check progress on the action plan CDRH developed with the help of FAVA/CA volunteer David Crisp in January. She also conducted a workshop for the local committee trainers on the four phases of emergency management as it relates to these communities.

c) Technical assistance for improving GIS for action plans

CDRH requested FAVA/CA's assistance to improve the maps in their action plan to show clearly the houses in the area and the degrees of vulnerability for each house and each hazard. Volunteer-consultant William Pollock, senior GIS analyst with prominent Florida engineering firm Post, Buckley, Schuh and Jernigan (PBS & J) Inc. came March 1-4, 2001 and conducted training for CDRH staff in the use of GIS. The trainees included a geographer, a project coordinator, and a project assistant. In addition, meetings were held with a representative from the State University of Haiti, private consultants, engineering firms, and other international organizations working on a national disaster-mapping project.

3. Other IR5 Activities

a) Watershed study

The purpose of this study is to ensure the sustainability of some of the interventions planned in Jacmel or its suburbs and as a reference document for future mitigation interventions in the Jacmel watershed. Further to the contract signed with ESC Ingenieurs Conseils, the fieldwork started at the end of December 2000. PADF has received the preliminary reports and is working with USAID, USDA and the Army Corps to finalize comments.

E. Project Impact Jacmel

The Federal Emergency Management Agency has contracted with PADF to implement a community-based mitigation program for Jacmel. These activities are part of the Hurricane Georges efforts in Haiti although the funding comes directly from FEMA. The following activities were carried out this quarter:

1. Jacmel Action Plan

During this quarter, the Jacmel Civil Protection Committee finalized a first complete draft of the action plan. This draft includes the following:

- A memorandum of understanding detailing what the committee hopes to accomplish and its commitment to disaster mitigation
- A list of critical structures in Jacmel with their normal level of operation and their impact on community life if not in operation.
- A history of disasters in Jacmel
- Risk maps for flooding and fire
- Project and activities list
- List of proposed partners
- List / map of shelters.
- Inventory of disaster response resources

This version of the action plan was completed at the end of March and is now being distributed in Jacmel and to other interested parties for review.

2. Sub-Project Activities

Community partnerships, citizen understanding of mitigation concepts, and public awareness campaigns are all part of an ongoing program to reduce risk and to make the whole community more resistant to the impact of natural and manmade disasters.

a) River Bank Protection at Bassin Calman

At the entrance to Jacmel, the Jacmel River swings briefly towards the Jacmel—Port-au-Prince road before swinging away again. Currently two large trees protect the riverbank at this spot, but these trees are rapidly being undercut. The Committee has approved a project to construct gabion protection for the roadway and to plant trees in the area. Once completed, this mitigation project will protect lives and prevent damage from the cresting river, saving the lower part of Jacmel from possible destruction by flood.

A contract has been signed between Project Impact and the Departmental Director of Public Works, the engineer Wilner Jean to implement the works. The project will begin officially April 2nd, will cost Gdes 401,764 (approximately \$17,500) and should be completed by the end of June.

b) Protection of the Hydroelectric Dam at Gaillard

Due to the high vulnerability of this hydroelectric dam, the population of Jacmel has requested that the Committee work to protect this dam. Currently the hillsides around the dam are heavily deforested. As a result, moderate rains can result in torrential stream flow that erode the stream channel. The proposed work is therefore to install gabions to protect the stream banks near the dam and to reforest the hillsides around the dam. Work on the project is scheduled to start in May to coincide with the tree-planting season.

The main partners for this project will be the Ministry of Agriculture and the national electricity company, Ed'H.

c) Construction of a hanger for the Jacmel Fire Department

The most highly requested project in Jacmel is the construction of a basic fire station. Fires are the most frequent disaster in Jacmel. Most fires destroy only a single house, but there is always the risk of them spreading. Many of the beautiful old homes in central Jacmel are built of wood.

Currently, the town has one fire engine that has been kept outside next to the Mayors' office and has been out of order for several years. The town is working with several organizations, including PADF, to obtain a fire truck. The town volunteer fire department is sending ten members to an intensive training in Florida and a Haitian-American fire fighter from New Jersey has offered to work with them.

The Committee has already obtained land and found an architect to draw up plans for the hanger. The Chamber of Commerce has said that they will contribute to the construction cost. The project should be designed by March with construction to start in April.

The design and cost estimate should be completed by early April. Meanwhile, Jacmel firefighters received two training sessions, the first one in Jacmel supervised by the fire fighters from Cap-Haitien and sponsored by Plan International, the second one at Ocala University. This training has been made possible through different partners: Ocala University,

USAID, the Haitian Government, Jacmel Civil Society and Club Partners of America, to name a few. The project should start in early May and be completed in August 2001.

d) Disaster Awareness

Public awareness in the field of civil protection is a major preoccupation of Project Impact. Two initiatives are currently underway: preparation of a text for Jacmel school children and another one for the media for public education. For the first, a formal meeting was held with the Department of Southeast Board of Education to draft the text on the following themes: cyclone, flooding, earthquake, fire, garbage collection and handling. After each documentary, a short questionnaire was added to test the degree of comprehension of the student. This draft has been submitted to PADF / HGRP for review.

The other text for public education is not ready yet since the members of Jacmel Civil Protection Committee have not finalized their review of it. These two campaigns must start in the beginning of June to properly prepare the population for the hurricane season.

e) Simulation of Disaster

To prepare for the next hurricane season, PADF is working with FEMA and the Jacmel CPC to design and hold a disaster simulation. This exercise will allow the participants to better understand their roles and responsibilities when a disaster strikes.

V. Management Information Systems

PADF maintains a database to store information collected from field activities on project progress. The data collected provides PADF management with current information to monitor the progress of sub-project activities and take corrective actions, if necessary. The table below shows the results of the different sub-projects. The results are gathered from the various sub-grantees on a quarterly basis and are compared to the targets that were determined in the Cooperative Agreement and in the subsequent amendments.

Indicator	Previously	This Quarter	Quarterly Target	Cumulative to Date	Cumulative Target ¹	Project Target ²	Progress	Targeted Progress
IR2								
Tons of improved seeds distributed	143	212	94	338	518	715	47%	72%
Tons of improved basic seeds in reserve	24		0	24	0	25	96%	0%
Number of farmers using improved seeds	7751	11,500	5,000	12,751	8598	15,000	85%	57%
IR 3 & IR 4								
Kilometers of road rehabilitated	0	12	12	12	12	12	100%	100%
Number of schools repaired	15	0	21	15	21	24	62%	88%
Hectares returned to irrigation	1275	0	700	1275	1500	1700	75%	88%
Kilometers of potable water pipes repaired	0	0	8	0	27	27	0	100%
Kilometers of irrigation canals repaired	37.7	12.25	60	50	140	150	33%	93%
Kilometers of ravines protected	21	0	0	21	29	80	26%	36%
Number of hectares of land under improved soil and water conservation practices	250	230	69	480	469	900	53%	52%
IR5								
Number of communities with functioning disaster mitigation and preparedness committees	0	0	5	0	9	20	0	45%
Number of communities with functioning disaster mitigation and preparedness plans in place	0	0	5	0	8	20	0	40%
Number of people trained by CDRH	1801	800	600	2601	1400	2440	107%	57%

¹ Based on April 2000 work plan updated in September to reflect revised targets.

² Revised targets based on Amendment 2, signed by USAID on August 9, 2000.

Notes:

- Seed production and distribution are behind schedule due first to drought and later to flooding conditions. The number of farmers using seeds has not yet been verified.
- Repairs on the potable water systems are underway. PADF's partners are 90% finished with 20 km of potable water systems. All 27 km will be completed next quarter.
- The last quarter report indicated that 3 civil protection committees had been formed and two committees had finalized their plans, however upon field inspection it was determined that this had not been accomplished. Note that the number of people trained has not been verified and could include some double counting.
- The lengths of ravine to be protected and of irrigation canals rehabilitated are slightly less than planned. This difference will be recovered next quarter.

HGRP – ORE

-: IMPROVED SEEDS PROGRAM :-

3 Month Progress Report – 5.

Period: January 1st – March 30th 2001

Presented to PADF

April 2001



Organization for the Rehabilitation of the Environment

B.P. 2314, Port-au-Prince, Haïti Téléphone & Fax: (509) 401-3819/ 245-6932 / 286-0251

Summary

Seed production and distribution have continued during the reporting period. The total production to date is **452 MT** as follow:

- 321 MT of corn,
- 70 MT of beans and
- 61 MT of sorghum

Seed distribution is to date **355 MT** of respectively 264 MT of corn, 70 MT of beans and 21 MT of sorghum. During the reporting period total distribution was 212 MT as follow:

- 170 MT of corn,
- 28 MT of beans and
- 14 MT of sorghum

Corn and bean seeds field production has continued all through the period to achieve outputs production objectives. Distribution was made in collaboration with PADF field team and the PNIS (Programme National Intrants-Semences) to maximize efforts to reach targeted beneficiaries.

Once more climatic conditions have affected both production and distribution. The bean seeds production was severely hit by heavy rains during a period of 3 days in December. Rainfall reached 407.8 mm resulting in the loss of 70% of the crop in field. That production was meant for distribution during the major plantation season of January – February 2001. Seed distribution was affected by a period of severe drought during that plantation season in all the targeted areas. Rainfall registered for the 3 months period – January-March is less than a 100 mm as opposed to an average of 370 mm for the same period during the last seven years, with a low of 200 mm in year 2000 (see rainfall tables). These conditions have led to the delay and even the cancellation of plantation in certain area. Corn and sorghum plantation is expected to extend in April. At the time of this report field production of bean and corn is in progress to complete contractual production objectives and fields are satisfactory. Harvest of beans will start in April and in June for corn. The bean produced will be distributed during the July plantation season and corn distribution will start in August. The unstable climatic conditions experienced during the last three seasons of bean production resulting in catastrophic losses have

pushed farmers to abandon this crop in favor of cereal production (mostly corn) which are less affected by long period of drought or heavy rains. Bean production is restricted to irrigated land (with an efficient system).

ORE, in agreement with PADF has planned to launch a promotional campaign for the sorghum seeds. The planting season will start in May.

Collaboration with CIAT has continued with the extension of the trials of selected crops (beans, corn, forage and cassava) and in-country visit in March 2001 of CIAT training coordinator to plan in-country training session to take place during next reporting period.

- Two types of bean material were received: material to be tested for adaptability to poor soils, and parent material for genetic improvement of local material in tolerance to diseases and high temperature. One variety (BAT 304) has been selected for commercial multiplication. It has shown good adaptability to local conditions (poor soils, high temperature, diseases tolerance) and good yield (800 kg/ha without fertilizer, in poor acid soils and under rainfed conditions). The first multiplication was done on 2.6 ha in Camp-Perrin in February to initiate commercial production. About 2 MT of seeds will be available for further multiplication next October season and commercial distribution of about 20 MT in the next February season.
- The corn material received from CIMMYT is all yellow from hybrids and open pollinated varieties and QPM (quality protein maize) and were selected for adaptability to low and high altitude and with early and late cycles. Six trials planted in August were harvested in January. The preliminary results show some hybrids with yield as high as 7 MT/ha and varieties with yield as high as 5.5 MT/ha. Further analysis of results is required to determine which material to select for multiplication.
- Forage trials are established to select grasses, cover crops, legume shrubs adapted to Haitian conditions. Trials are in progress and data are being collected for analysis.
- Preparation for the reception of cassava cuttings from Cuba and Dominican Republic were made.

Details of trials is provided in an annex.

Summary Table of Activities

The following table provides the output figures for the major activities of the reporting period.

ACTIVITIES	OBJECTIVES	PERIOD OUTPUTS	CUMULATIVE TO DATE	COMMENTS
SEED PRODUCTION				
BASIC SEEDS				
Production				
Corn	15	6.21	15.50	
Beans	19	16.13	28.80	
Sorghum	2	2.35	7.80	
Total Basic seeds produced 144%	36	24.69	52.10	
Distribution (for commercial prod)				
Corn	4	2.10	4.40	
Beans	14	12.32	22.40	
Sorghum	0.5	0	1.00	
Total distribution 150%	18.5	14.42	27.80	
COMMERCIAL SEEDS				
Production				
Corn	500	0	321	<i>Field production in progress: Bean objective: 80 MT (harvest April-May 01 to be distributed next July planting season. Corn objective: 200 MT (harvest June-July 01 to be distributed for next planting seasons August and November 01)</i>
Beans	140	0	70	
Sorghum	75	0	61	
Total production 63%	715	0	452	
Distribution				
Corn	500	170	264	
Beans	140	28	70	
Sorghum	75	14	21	
Total distribution 50%	715	212	355	
TRAINING				
Crop Production & research methodologies	To be determined		3	
Tissue culture	1		1	
PLANT MATERIAL INTRODUCTION				
Corn (Number of varieties)	To be determined		126	from CIMMYT
Beans (Number of varieties)	"	400	542	Received in November and December 00 from CIAT, 34 commercial varieties, 258 breeding material, 108 volubile varieties for trials & selection. 1 variety selected: BAT 304
Sorghum (Number of varieties)	"	111	111	Received from CIAT in November 00 – Trials to be implemented.
Forage (Number of varieties)			54	Received in August-September 00 from CIAT
Cassava (Number of varieties)		6	6	Received in January 01 from CIAT
TRIALS				
Corn		9	17	Planted in February 01 from ORE research program (hybrids) on 4 sites (Camp-Perrin, Artibonite, Ouest, Grande Anse)
Beans		6	14	Planted in Feb-Mar 01 on 2 sites (Camp-Perrin/Déron)
Sorghum				
Forage			8	Planted in August 00 on 2 sites (Camp-Perrin/Déron)
EVALUATION				
Project evaluation	2			

ORE-HGRP

SEED DISTRIBUTION

SUMMARY FOR: Quarter Jan-Mar 01

Crop	Variety	Commercial seeds Availability
Corn	Chicken corn	180
	La Maquina 7827	46
	<i>Total corn</i>	227
Bean	Lore 87	16
	Tamazulapa	12
	<i>Total bean</i>	28
Sorghum	Dodo 97	70
	<i>Total sorgho</i>	70
Global Total		324

Crop	Variety	Commercial seeds Distribution
Corn	Chicken corn	154
	La Maquina 7827	16
	<i>Total corn</i>	170
Bean	Lore 87	16
	Tamazulapa	12
	<i>Total bean</i>	28
Sorghum	Dodo 97	15
	<i>Total sorgho</i>	15
Global Total		212

Crop	Variety	Basic seeds Availability
Corn	Chicken corn	3
	La Maquina 7827	0
	<i>Total</i>	3
Bean	Lore 87	2
	Tamazulapa	1
	<i>Total</i>	3
Sorghum	Dodo 97	3
	<i>Total</i>	3
Global Total		9

ORE-HGRP

SEED DISTRIBUTION

SUMMARY FOR: Quarter Jan-Mar 01

Commercial seeds Distribution by zone - Quarter 5 January-March 01 -

Crop	Variety	Jan-01					Feb-01					Mar-01					Total Delivery		
		Sud	Sud-Est	Ouest	Artibo nite	Grande Anse	Sud	Sud-Est	Ouest	Artibo nite	Grande Anse	Sud	Sud-Est	Ouest	Artibo nite	Grande Anse			
Corn	Chicken corn	42					45	9	6	0.4	2.6	25	8	16	0.5	0.23			154.12
	La Maquina 7827	0.04		10			5							0.5	0.5				15.63
	<i>Total corn</i>	42	0	10.00	0	0	50	9	6	0.4	2.6	25	8	17	1.0	0.23			169.76
Bean	Lore 87						3	13				0.12							15.81
	Tamazulapa						6	6											11.95
	<i>Total bean</i>	0	0	0	0	0	8	19	0	0	0	0.12	0	0	0	0	0	0	27.77
Sorghum	Dodo 97	2.32		4.95			3					0.3		4.1					14.68
	<i>Total sorgho</i>	2	0	5	0	0	3	0	0	0	0	0	0	4	0	0	0	0	14.68
	Global Total	44	0	15	0	0	61	28	6	0.4	2.6	26	8	21	1	0	0	0	212.2

ORE-HGRP

SEED DISTRIBUTION

SUMMARY FOR: Quarter Jan-Mar 01

Crop	Variety	Production Semence de base			
		K-1-2000	K-2-2000	K-1-2001	Cumul 31/03/01
Corn	Chicken corn	7.6		5.7	13.95
	La Maquina 7827	0.58	0.5	0.5	1.53
	<i>Total corn</i>	<i>8.2</i>	<i>0.5</i>	<i>6.2</i>	<i>15.5</i>
Bean	Lore 87	7.02		9.3	16.53
	Tamazulapa	4.42		6.8	12.30
	<i>Total bean</i>	<i>11.44</i>	<i>0.00</i>	<i>16.13</i>	<i>28.8</i>
Sorghum	Dodo 97	4.26		2.4	7.81
	<i>Total sorgho</i>	<i>4.26</i>	<i>0.00</i>	<i>2.35</i>	<i>7.8</i>
Global Total		23.91	0.5	24.69	52.13

COMMERCIAL SEEDS PRODUCTION

SUMMARY
AS OF: 31 Mars 01

		ORE	HGRP							Distribution	Disponibilite	Total production	Production objectives
Crop	Variety	Stock 99	K-1-2000	Ajust.	*K-2-2000	Additional/ajust. campagne 2-2000		31/03/01	31/03/01	31/03/01	Percentage to date		
Corn	Chicken corn	57.69	92.92		71.59	31.31	-5.92	11	233	26	258		
	La Maquina 7827	0.05	60.66	0.59		0.39		0.25	31.23	30.71	62		
	Total corn	57.74	153.6	0.6	71.6	31.7	-5.9	11.1	264	56	320	64%	
Bean	Lore 87	16.17	11.23	0.34	*	0.00	15.69		44	0	43		
	Tamazulapa	10.70	3.80	0.11	*	2.22	9.73		27	0	27		
	Total bean	26.87	15.03	0.45	0.00	2	25	0	70	0	70	50%	
Sorghum	Dodo 97		24.49	0.06	34.55	17.02		-15.0	21	40	61		
	Total sorgho	0.00	24.49	0.06	34.55	17.02	0.00	-15.0	21	40	61	82%	
Global Total		85	193	1	106	51	20	-4	355	97	452	63%	

*ajustement stock en conditionnement

ajustement stock de cas 99 - germination en dessous du taux minimum requis

ANNEX

ORE-HGRP

-: IMPROVED SEEDS PROGRAM :-

ORE-CIAT collaboration

Detailed Activity Report
As of : March 31, 2001



Organization for the Rehabilitation of the Environment
B.P. 2314, Port-au-Prince, Haïti Téléphone & Fax: (509) 245-6932 / 245-6932 / 286-0251

April 2001

Objectives

As part of the HGRP activities, ORE will receive technical assistance from CIAT. Close collaboration with has been rapidly established. The assistance will include:

- individual training of ORE staff at international centers (tissue culture, forage, bean),
- in country training of local team,
- supplying of improved plant material for field trials and selection of the best performing and adapted material,
- liaison with various research centers (CIMMYT, ICRISAT etc.).

Activities

Training

Training activities have started in April 2000 and the following table provides details of activities to date for both out and in country sessions:

Date	Subject	Contact Person	Attended by
Out of country training			
2 - 17 April 00 Cali, Colombia	Bean program: meeting with team, protocol of collaboration for seed testing by ORE and genetic improvement of ORE seeds by CIAT. Fields visit, identification of varieties with potential for Haiti.	C. Cardona S. Bebee/ M. Blair I. M. Rao G. Mahuku	E. Magloire
	Forage program: discussion of forage problems in Haiti. Protocol for collaboration in testing specific species. Fields visit of forage collection, identification of varieties adapted to acid soils. Tests to be established on farmers (5) plots and ORE sites	C. Lascano	
	Cassava program: visit Biotechnology Unit and multiplication plots. Field visit of commercial multiplication plots. Discussion on biological control . Visit of Agro-enterprises and discussion on marketing, post-harvest technology, enterprise organization.	Belotti R. Escobar G. Mafla	
	Banana program: visit of Biotecol (Biotechnology of Colombia), private enterprise producing banana and plantain by tissue culture. Topics reviewed: selection of mother plant, preparation of growth media, sterilization, suppliers for equipment & chemicals, plantlets cost.	G. Galvez	
	Sorghum program: meeting ICRISAT representative In CIAT and visit of sorghum unit. Discussion of problems in Haiti (birds, phenolic compounds). Proposition for ORE to become member of <i>Program Red Latino-Americana se sorgo y millo perla</i> in order to receive material for testing	A. Felipe Rangel	
	Maize program: meeting with CIMMYT representative in CIAT. Collaboration to test specific varieties	C. de Leon	
2 - 16 July 00 Costa-Rica	Forage program: training in trials setting - preparation of material, field implementation, fields visit of established trials to identify & evaluate different species; meeting with farmers using forage produced by CIAT program; visit of experimental plots producing seeds.		A. Pricien
7 July - 6 August 0 Colombia	Cassava program: training in rapid multiplication, hardening of in-vitro plantlets, visit of CIAT facilities		

Country: Haiti - agricultural visit

25 - 27 April 00	Visit in Haiti of the different programs team leaders: discussion of protocols and finalizing activities calendar. Involvement of ORE in forage program. Field visits of farmers forage plots and small cattle farm; ORE cassava plots and a cassava transformation unit (OPMAGAT); ORE bean trials sites;	C. Cardona / C. Lascano / Belotti / G. Galvez	E. Magloire M. Finnigan R. Laplante A. Pricien
21 - 25 August 00	Visit in Haiti of the forage program team leader: elaboration of trials protocol, establishment of plots in Camp-Perrin and follow-up calendar.	P. Angel	E. Magloire R. Laplante A. Pricien
21 - 26 September 00	Visit in Haiti of the beans program team leaders: visits of trials plots of bean material received from CIAT, evaluation of two trials, Camp-Perrin and Déron. Visits of bean production zones: irrigated areas in the Plaine des Cayes on the irrigation systems of Dubreuil and d'Avezac and rainfed areas in Saut-Mathurine and Déron. Meeting with farmers at the different sites. Results of visit: identification of biotic and abiotic stresses in the bean production system in the South (biotic-pathogens BGMV-bean golden mosaic virus, rootrot, rootknot nematodes, fusarium, pythium, mildew, ALS-angular leaf spot, CBB-common bean blight, mustia; abiotic acid soil, aluminum toxicity, low pH, low phosphate, soil erosion problem, poor and shallow soils etc.)	S. Bebee I. M. Rao G. Mahuku	E. Magloire R. Laplante A. Pricien

Trials

Origin	Site	Objective	Date	Description	Type
Beans					
CIAT Puerto-Rico	Camp-Perrin PR1.	Resistance to Golden mosaic	Feb.- Apr. 00	1st screening of 100 lines	Bush bean
	Camp-Perrin PR2.		Jul - Sep 00	Observation & multiplication of 26 lines selected from previous 100 lines	Bush bean
CIAT Colombia	Camp-Perrin CO1.	Multiplication of selected material	Jul - Sep 00	4 varieties: Doricta, Ostua/, D 3075 (Tio canela), Dor 390	Bush bean
	Camp-Perrin CO2.	Selection of lines adapted to conditions in Haiti	Jul - Sep 00	9 populations in segregation	Bush bean
	Camp-Perrin CO3.	Resistance to ALS (angular leaf spot)	Jul - Sep 00	19 lines tested	Bush bean
	Camp-Perrin CO4.	Adaptation to abiotic stress	Jul - Sep 00	36 lines tested in 2 repetitions	Bush bean
	Déron CO5.		Jul - Sep 00	36 lines tested in 2 repetitions	Bush bean
	Déron CO6.	Adaptation to poor soil conditions	Jul - Sep 00	9 lines tested	Bush bean
	Déron CO7.	Selection of varieties for green beans production	Jul - Sep 00	37 lines Hav & 40 lines Hab tested	Climbers
	Camp-Perrin CO5.	Tested for yield production	Feb.- Apr. 01	34 varieties planted in 4 trials of 3 repetitions	Bush bean
	Camp-Perrin CO6.	Broad genetic base for resistance to diseases	Feb.- Apr. 01	258 genetic material	Bush bean
	Déron CO8.	Selection of varieties for green beans production	Feb.- Apr. 01	108 varieties in 1 trial of 2 rep	Climbers
Maize					
CIMMYT Mexico	Camp-Perrin CY1.	Selection of yellow hybrids and OPV (Open pollinated varieties) adapted to conditions in Haiti	Aug - Dec 00	12 entries single cross Early yellow	normal
	Camp-Perrin CY2.		Aug - Dec 00	16 entries CHTTEY (CIMMYT Hybride Trial Tropical Early Yellow)	Normal
	Camp-Perrin CY3.		Aug - Dec 00	25 entries CHTTY (CIMMYT Hybride Trial Tropical Yellow)	Normal
	Camp-Perrin CY4.		Aug - Dec 00	14 entries EVT-14A (Elite Variety Trial)	Normal
	Camp-Perrin CY5.		Aug - Dec 00	20 entries CHTTYQ (CIMMYT Hybride Trial Tropical Yellow QPM)	QPM (quality protein maize)
	Camp-Perrin CY6.		Aug - Dec 00	16 entries EVT-13 (Elite Variety Trial)	Normal
	Déron CY7.	Selection of OPV adapted to acid soil	Sep - Dec 00	5 entries OPV	Normal
	Déron CY8.		Sep - Dec 00	18 entries Yellow	Normal

Forage					
CIAT Colombia Costa Rica	Camp-Perrin CC1.	Selection of legumes adapted to soil & climate of targeted hillside	Aug 00	8 entries legumes in 3 repetitions	Herbaceous legumes
	Déron CC2.		Sep 00	8 entries legumes in 3 repetitions	Herbaceous legumes
	Camp-Perrin CC3.		Aug 00	4 entries in 3 repetitions	Cover legumes
	Déron CC4.		Sep 00	4 entries in 2 repetitions	Cover legumes
	Camp-Perrin CC5.		Aug 00	8 entries in 3 repetitions	Shrub legumes
	Déron CC6.		Sep 00	6 entries in 3 repetitions	Shrub legumes
	Camp-Perrin CC7.	Selection of grasses adapted to soil & climate of targeted hillside	Aug 00	8 entries in 3 repetitions	Grasses
	Déron CC8		Sep 00	8 entries in 3 repetitions	Grasses
Cassava					
DR	Camp-Perrin CDR1	Selection of high yield varieties	January 01	6 varieties in 1 trial, 3 rep	Tubers

Pluviometrie Camp-Perrin, Cayes
1993 - 2001

Totals

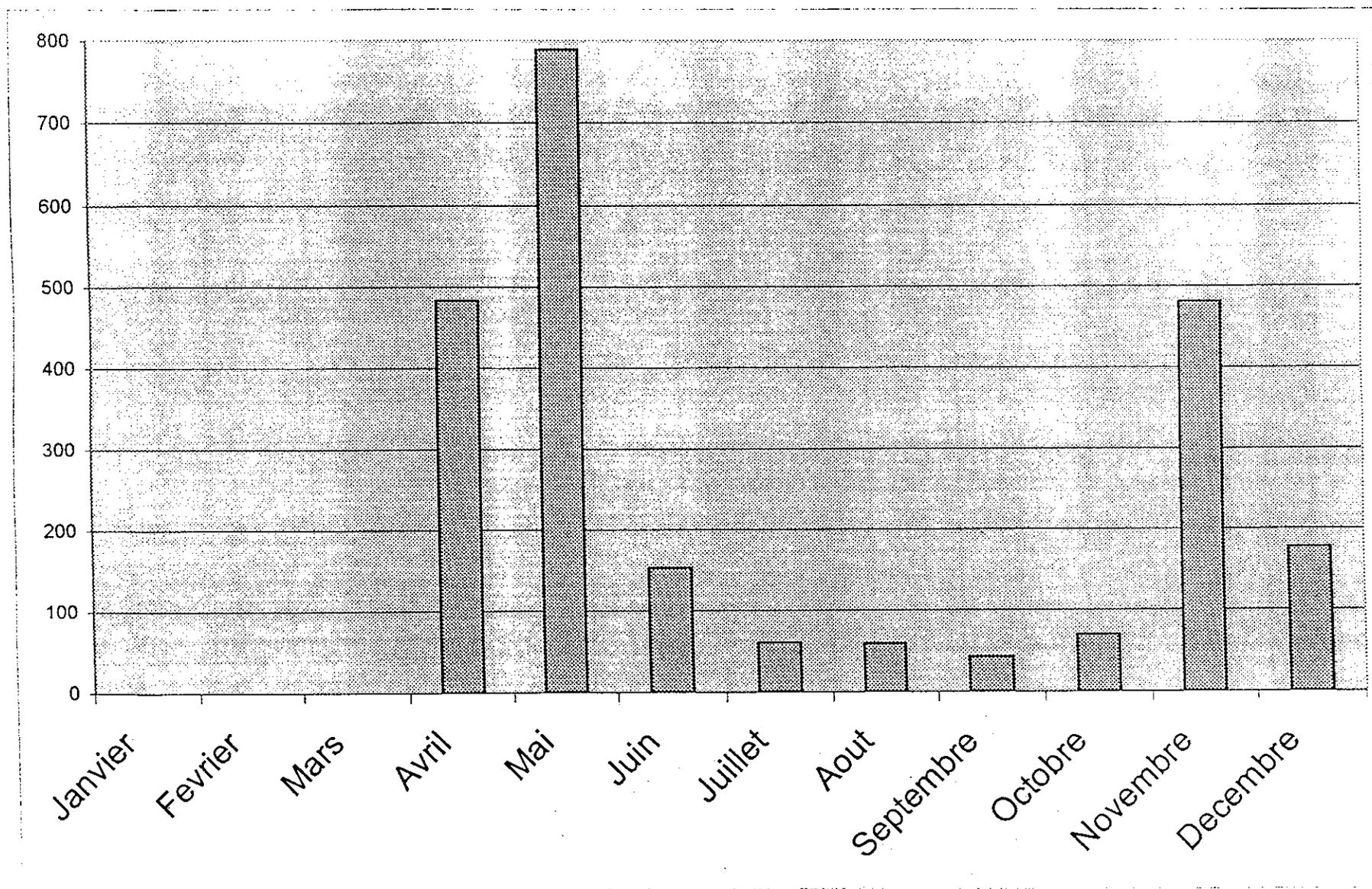
Year	Janvier	Fevrier	Mars	Avril	Mai	Juin	Juillet	Aout	Septem bre	Octobre	Novem bre	Decem bre	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
1993	0	0	0	483	790	153	60	59	42	69	481	177	0	1426	161	727
1994	60	41	181	185	283	110	99	72	114	133	682	133	282	577	285	948
1995	80	112	111	96	398	95	58	395	323	575	234	110	304	588	777	918
1996	128	250	50	167	147	122	126	246	98	393	287	32	429	436	470	712
1997	193	113	51	101	230	217	115	60	201	154	130	114	358	548	376	398
1998	152	73	174	136	138	62	212	155	314	223	122	58	398	337	681	403
1999	104	393	139	54	223	259	139	274	417	240	203	14	636	536	830	457
2000	38	69	94	101	185	32	156	154	396	284	41	456	201	318	706	782
2001	48	36	14	0	0	0	0	0	0	0	0	0	98	0	0	0

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ORE

1993 Chart 1

Pluviometrie - Camp-Perrin, Cayes
(en millimetres)



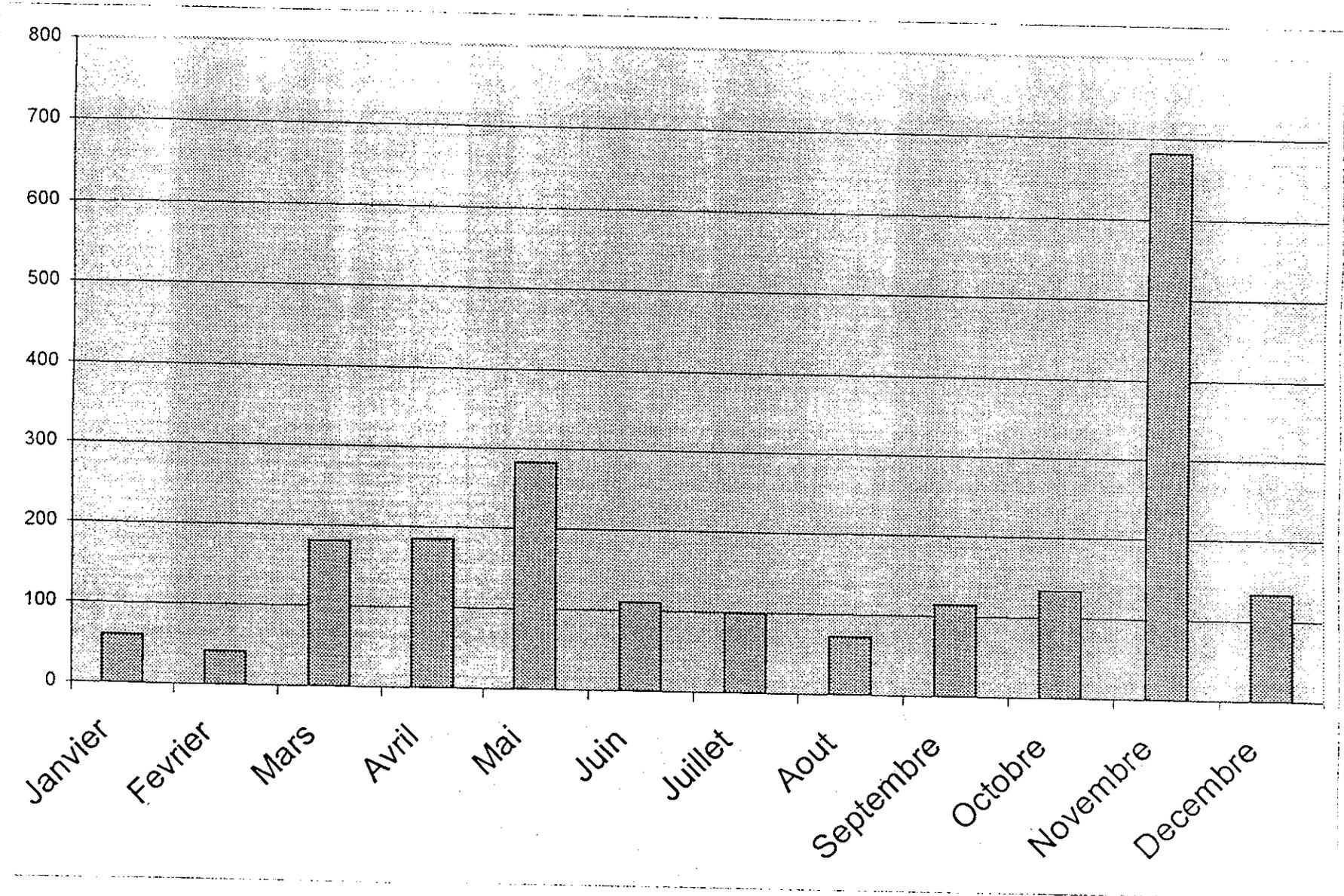
45

Pluviometrie - Camp Perrin, Cayes
1993
(en millimetres)

1993	Janvier	Fevrier	Mars	Avril	Mai	Juin	Juillet	Aout	Septembre	Octobre	Novembre	Decembre
1				0.0	9.0	30.2	0.0	15.0	3.0	22.5	0.4	80.4
2				0.0	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3				0.0	27.5	0.0	30.0	0.0	3.0	0.0	0.0	0.0
4				5.0	17.5	0.0	0.0	0.0	8.0	2.0	0.0	0.0
5				17.5	0.0	0.0	0.0	0.0	0.0	0.0	22.5	0.0
6				5.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7				10.4	5.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
8				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9				0.0	7.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
10				0.0	38.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
11				0.0	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12				30.0	27.5	0.0	10.0	0.0	0.0	0.0	0.0	0.0
13				0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
14				5.0	120.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
15				0.0	17.5	0.0	0.0	0.0	0.0	0.0	0.0	40.4
16				40.0	50.0	0.0	0.0	2.0	0.0	0.0	0.0	21.0
17				0.0	5.0	0.0	0.0	13.0	0.2	12.5	0.0	0.0
18				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19				90.0	45.6	10.2	0.0	0.0	0.0	0.0	14.4	17.5
20				100.0	80.0	8.0	2.0	0.0	0.0	0.0	22.5	0.0
21				0.0	3.0	80.0	0.0	0.0	0.0	5.4	85.4	0.0
22				30.0	15.4	20.0	0.0	0.0	0.0	0.0	90.0	0.0
23				70.0	0.0	5.0	3.0	4.0	0.0	0.0	40.0	3.0
24				0.0	5.0	0.0	15.0	12.5	0.0	2.0	80.2	0.0
25				0.0	0.0	0.0	0.0	2.0	15.0	2.4	55.4	0.0
26				22.5	12.5	0.0	0.0	0.0	0.0	0.0	35.0	0.0
27				0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0
28				17.5	9.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
29				40.4	100.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30				0.0	60.0	0.0	0.0	0.0	10.0	22.5	0.0	0.0
31					82.5		0.0	0.0		0.0		0.0
Total Millimetres	0	0	0	483	790	153	60	59	42	69	481	177

ORE
Pluviometrie - Camp-Perrin, Cayes
(en millimetres)

1994 Chart 1



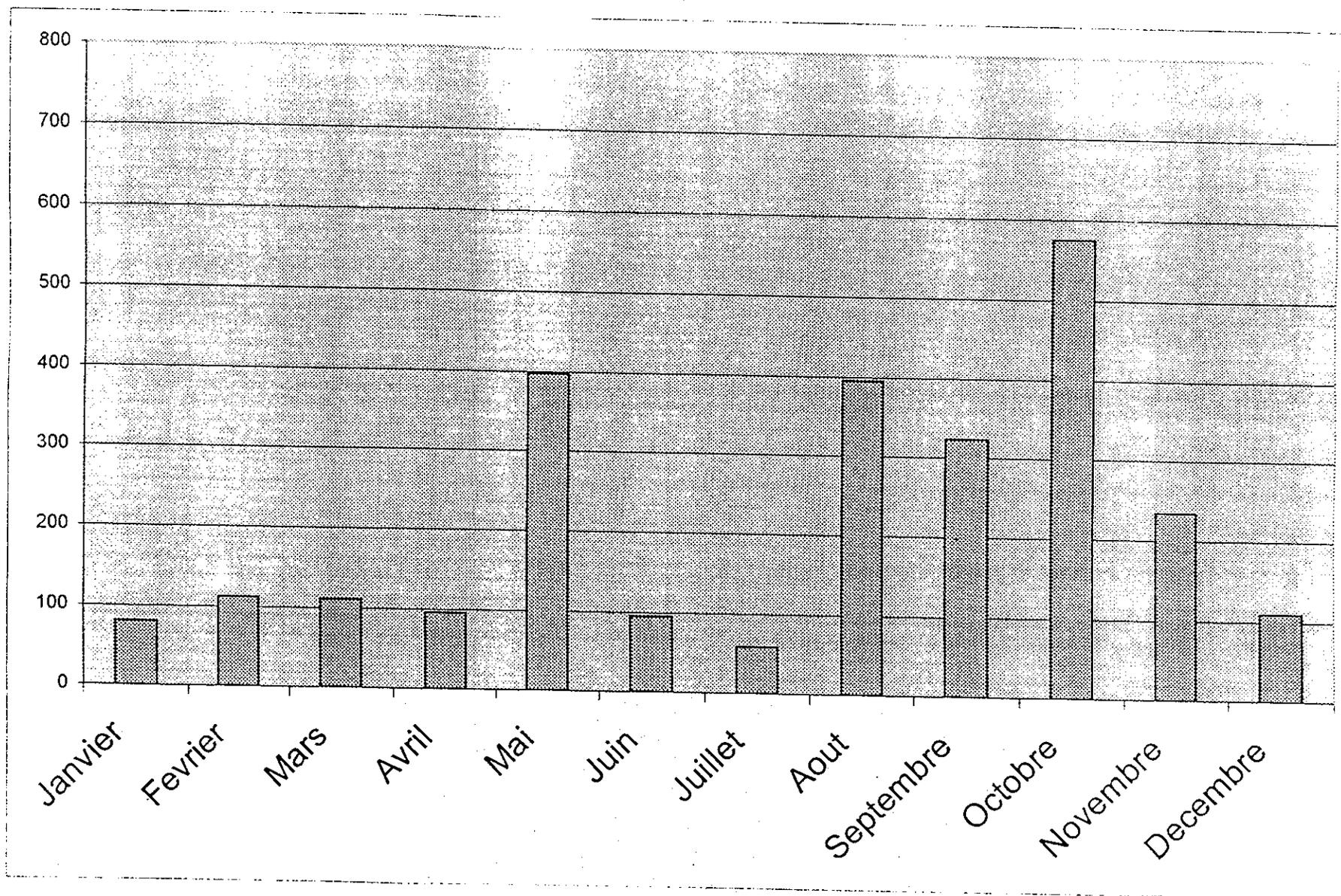
Pluviometrie - Camp Perrin, Cayes
1994
(en millimetres)

ANNEE 1994	Janvier	Fevrier	Mars	Avril	Mai	Juin	Juillet	Aout	Septembre	Octobre	Novembre	Decembre
1	0.0	4.0	3.0	4.8	95.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	5.0	3.0	0.0	0.0	0.0	5.0	19.2	20.4	3.0	0.0
3	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	4.0
4	4.0	0.0	5.0	3.0	0.0	3.0	0.0	0.0	0.0	4.0	4.0	0.0
5	4.0	0.0	0.0	0.0	3.0	0.0	5.0	0.0	4.0	0.0	27.0	2.2
6	27.5	0.0	0.0	0.0	0.0	3.0	0.0	5.0	1.0	0.0	0.0	0.0
7	0.0	0.0	17.5	0.0	0.0	7.0	15.0	5.0	0.0	0.0	12.0	0.0
8	0.0	0.0	12.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	3.0	5.0	12.5	0.0	0.0	0.0	0.0
10	6.2	0.0	0.0	0.0	0.0	0.0	0.0	3.8	27.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	45.0	0.0	0.0	0.0	0.0	14.6	60.8	0.0
12	0.0	0.0	9.0	0.0	0.0	0.0	0.0	1.0	16.0	0.0	321.0	0.0
13	0.0	0.0	0.0	0.0	17.5	0.0	0.0	0.0	1.0	0.0	200.8	0.0
14	0.0	0.0	0.0	0.0	0.0	70.0	0.0	0.0	0.0	1.0	0.0	2.0
15	0.0	0.0	55.0	0.0	0.0	5.0	0.0	1.0	1.0	5.2	0.0	0.0
16	0.0	7.0	17.0	2.0	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	6.0	0.0	3.0	0.0	9.0	3.0	0.0	0.0	1.0	0.0	0.0	0.0
18	0.0	7.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0
19	0.0	0.0	0.0	17.5	0.0	0.0	0.0	5.0	1.0	0.0	9.6	0.0
20	0.0	0.0	0.0	9.0	15.0	0.0	0.0	19.6	0.0	2.2	41.0	0.0
21	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	8.0
22	0.0	0.0	0.0	5.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
23	0.0	0.0	4.8	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	88.0
24	0.0	9.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	72.8	0.0	16.0
25	8.0	7.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	6.0	0.0	0.0
26	0.0	0.0	0.0	0.0	27.5	0.0	22.5	13.0	0.0	0.0	2.8	0.0
27	0.0	7.0	0.0	0.0	7.0	0.0	12.5	0.0	28.4	0.0	0.0	0.0
28	4.0		30.0	17.5	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
29	0.0		0.0	50.0	0.0	10.0	4.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	70.0	0.0	3.0	35.0	0.0	0.0	0.0	0.0	4.4
31	0.0		9.0		17.5		0.0	0.0		6.0		0.0
Total Millimetres	60	41	181	185	283	110	99	72	114	133	682	133

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Pluviometrie - Camp-Perrin, Cayes
(en millimetres)

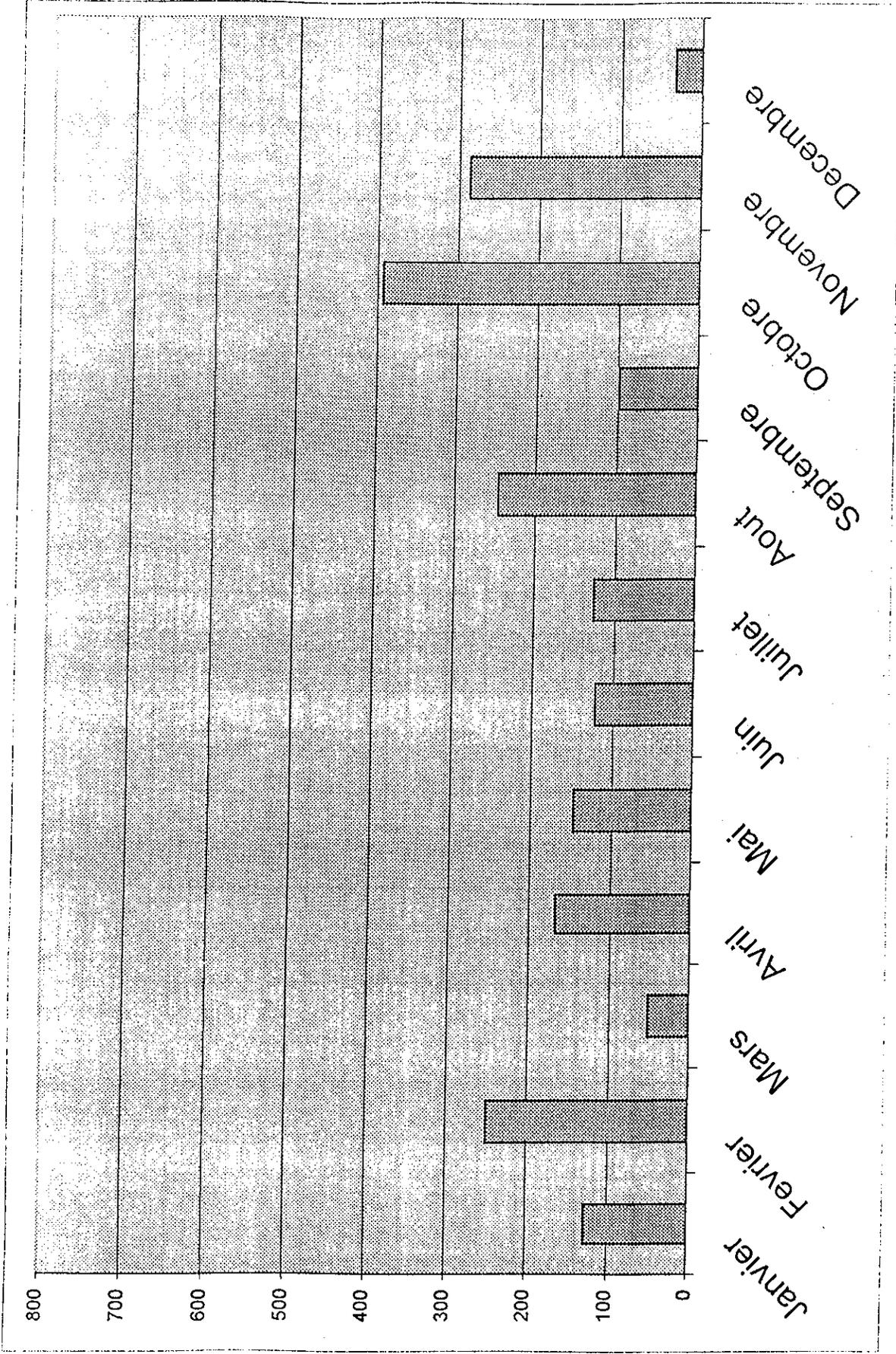
1995 Chart 1



Pluviométrie - Camp Perrin, Cayes
1995
(en millimètres)

1995	Janvier	Février	Mars	Avril	Mai	Juin	Juillet	Août	Septembre	Octobre	Novembre	Decembre
1	0.0	0.0	0.0	0.0	244.2	0.0	0.0	5.0	0.0	25.4	0.0	0.0
2	0.0	0.0	0.0	0.0	101.6	10.4	2.0	0.0	0.0	15.4	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	12.0	0.0	4.0	0.0	15.0	0.0	0.0
4	0.0	0.0	23.2	0.0	7.0	0.0	0.0	0.0	0.0	85.2	0.0	14.0
5	0.0	0.0	0.0	0.0	0.0	4.0	0.0	12.0	0.0	35.6	0.0	2.2
6	0.0	0.0	20.0	0.0	4.6	0.0	0.0	0.0	25.4	22.6	0.0	8.2
7	0.0	0.0	4.0	0.0	10.4	0.0	0.0	0.0	0.0	218.0	0.0	0.0
8	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	2.0
9	0.0	13.0	6.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	5.0	22.0	0.0	0.0	0.0	0.0	0.0	8.4
11	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	6.4	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	15.0	22.0	11.6	10.2	35.4	0.0	18.4	47.4	13.0	0.0
14	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	25.4	63.0	2.0
15	0.0	0.0	0.0	32.0	0.0	5.0	0.0	0.0	0.0	14.4	26.4	0.0
16	68.2	0.0	15.0	25.0	5.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0
17	4.0	0.0	5.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.8	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	29.4	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	6.0	0.0	219.0	0.0	15.0	0.0	0.0
21	0.0	19.0	0.0	0.0	3.0	0.0	0.0	32.0	0.0	0.0	19.4	0.0
22	0.0	0.0	0.0	0.0	0.0	16.4	0.0	0.0	32.4	0.0	5.4	0.0
23	4.0	0.0	0.0	9.0	0.0	0.0	0.0	60.8	0.0	0.0	15.0	0.0
24	0.0	27.4	11.0	0.0	0.0	2.0	0.0	35.4	3.0	0.0	0.0	50.8
25	4.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
26	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	54.0	14.0	0.0	14.0
27	0.0	14.4	3.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0	0.0	8.0
28	0.0	17.4	0.0	0.0	0.0	0.0	4.0	0.0	5.0	0.0	8.0	0.0
29	0.0	0.0	0.0	3.0	0.0	0.0	0.0	2.0	3.0	4.0	0.0	0.0
30	0.0	0.0	0.0	1.4	0.0	2.0	0.0	0.0	0.0	0.0	3.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	15.0	5.0	169.3	0.0	0.0	0.0
Total Millimètres	80	112	111	96	398	95	58	395	323	575	234	110

Pluviométrie - Camp-Perrin, Cayes
(en millimètres)



Pluviometrie - Camp Perrin, Cayes

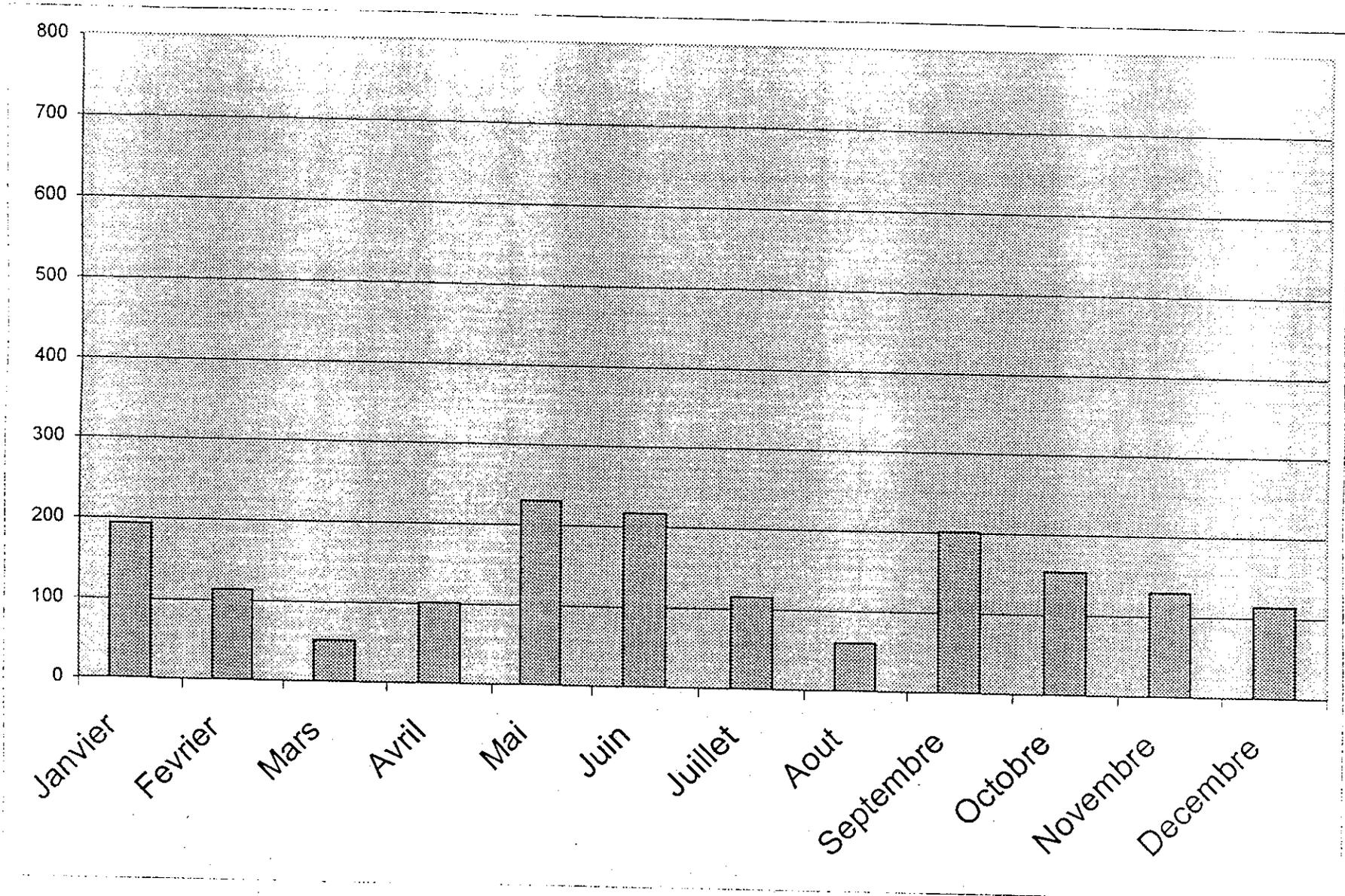
1996

(en millimetres)

1996	Janvier	Fevrier	Mars	Avril	Mai	Juin	Juillet	Aout	Septembre	Octobre	Novembre	Decembre
1	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	30.4	2.0	0.0	6.0
2	8.0	2.0	0.0	0.0	0.0	0.0	2.6	25.0	0.0	0.0	2.0	0.0
3	0.0	0.0	0.0	0.0	29.4	18.0	0.0	0.0	10.0	12.2	0.0	3.0
4	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	25.4	2.0	0.0	14.4	0.0	0.0	0.0	2.0
6	0.0	18.4	27.4	0.0	25.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0
7	32.4	4.0	0.0	0.0	3.0	2.0	3.0	24.0	5.0	0.0	0.0	0.0
8	1.4	3.6	2.0	3.0	0.0	14.4	0.0	0.0	0.0	25.4	0.0	0.0
9	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.4	0.0
10	0.0	0.0	0.0	3.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0		2.0	16.8	56.8	0.0	0.0	75.8	2.0	0.0
12	0.0	0.0	5.0	0.0	0.0	8.0	0.0	4.4	0.0	40.4	5.4	0.0
13	2.4	0.0	0.0	25.4	2.0	8.0	5.0	0.0	18.4	0.0	0.0	0.0
14	0.0	0.0	0.0	18.4	2.0	8.0	0.0	0.0	0.0	0.0	20.0	0.0
15	0.0	0.0	0.0	0.0	0.0	2.0	15.0	0.0	0.0	60.1	83.8	0.0
16	0.0	57.8	4.0	0.0	0.0	15.0	4.4	0.0	0.0	143.2	63.8	0.0
17	0.0	57.8	0.0	3.0	6.0	2.0	0.0	54.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.2	0.0	2.4	20.0	0.0
19	2.0	50.8	0.0	5.0	0.0	2.0	0.0	11.4	0.0	0.0	30.4	0.0
20	0.0	3.0	0.0	28.4	2.0	0.0	3.0	0.0	0.0	0.0	0.0	4.0
21	0.0	0.0	0.0	0.0	6.0	2.4	0.0	0.0	0.0	18.0	10.4	0.0
22	15.0	47.8	4.0	13.4	23.0	0.0	0.0	1.4	4.4	0.0	0.0	2.0
23	0.0	0.0	4.0	0.0	7.0	0.0	0.0	0.0	0.0	2.0	4.0	0.0
24	0.0	0.0	0.0	3.0	7.4	0.0	3.0	0.0	0.0	0.0	0.0	4.0
25	0.0	0.0	0.0	25.4	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
26	0.0	5.0	0.0	23.0	0.0	0.0	0.0	10.0	0.0	2.0	24.0	6.0
27	0.0	0.0	0.0	3.0	0.0	10.2	3.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0
29	0.0	0.0	0.0	8.0	0.0	8.2	25.0	4.0	29.8	0.0	12.0	0.0
30	63.8		0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
31	3.0		0.0		0.0		0.0	0.0		2.0		0.0
Total Millimetres	128	250	50	167	147	122	126	246	98	393	287	32

Pluviometrie Camp-Perrin, Cayes
(en millimetres)

1997 Chart 1



53

Pluviometrie - Camp Perrin, Cayes

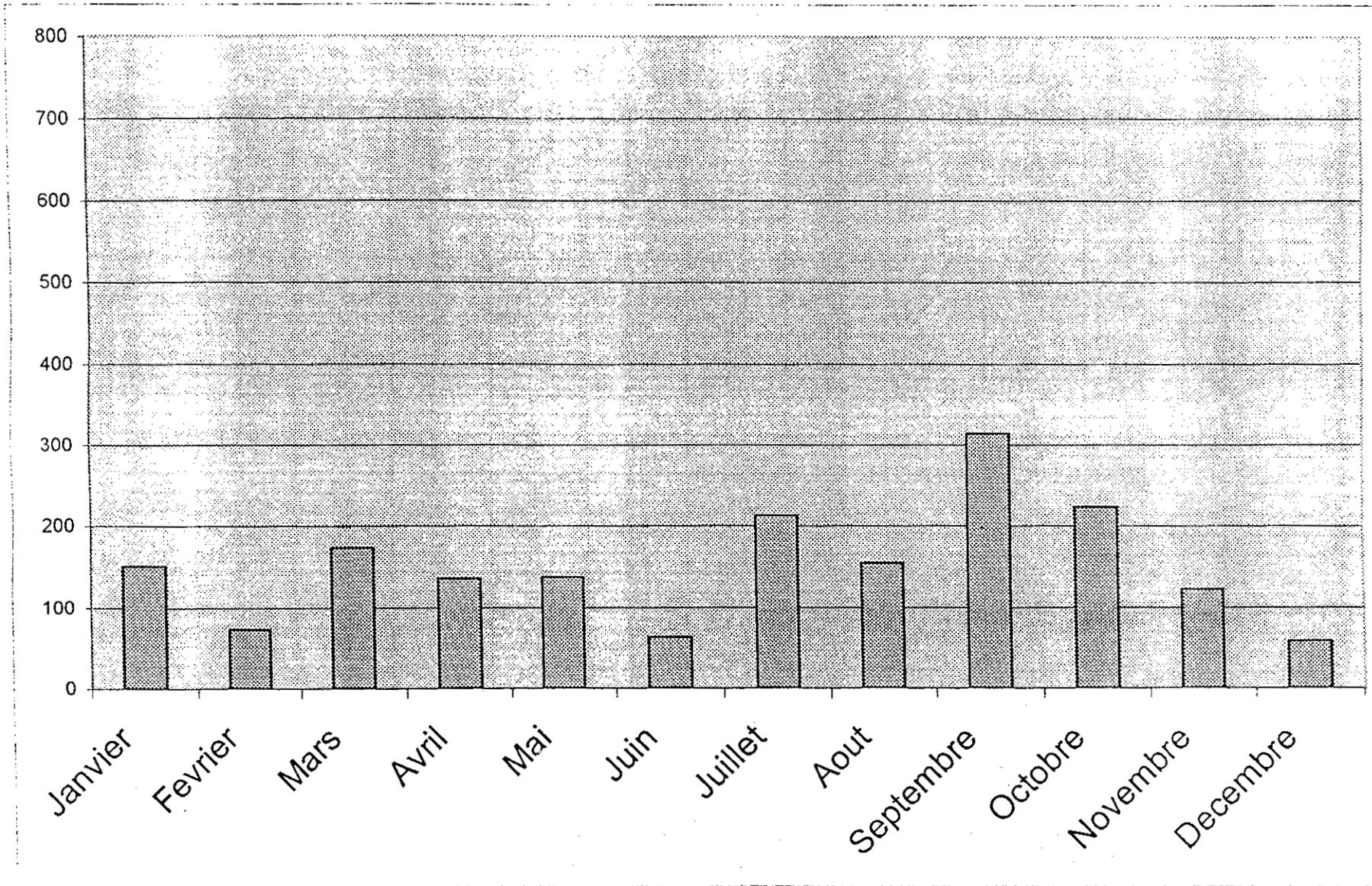
1997

(en millimetres)

1997	Janvier	Fevrier	Mars	Avril	Mai	Juin	Juillet	Aout	Septembre	Octobre	Novembre	Decembre
1	37.4	0.0	2.0	3.2	17.4	12.4	0.0	2.0	0.0	0.0	1.0	6.6
2	37.4	25.4	2.0	3.2	0.0	2.2	2.0	0.0	2.0	0.0	0.0	17.4
3	0.0	2.4	0.0	0.0	22.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	5.4	14.0	1.0	0.0	0.0	2.0	2.0	0.0	2.0
5	3.0	42.4	0.0	0.0	17.4	20.2	2.0	4.0	0.0	0.0	0.0	0.0
6	0.0	0.0	2.0	0.0	2.0	75.1	0.0	0.0	2.0	25.4	0.0	2.6
7	2.0	0.0	0.0	8.2	0.0	22.0	0.0	1.0	1.0	8.0	5.0	0.0
8	0.0	0.0	0.0	0.0	0.0	3.0	24.4	0.0	52.8	8.0	0.0	0.0
9	2.0	0.0	0.0	12.4	0.0	12.4	16.2	0.0	49.4	0.0	3.0	0.0
10	0.0	5.0	2.0	0.0	25.4	0.0	0.0	0.0	2.0	5.0	3.0	0.0
11	0.0	0.0	0.0	8.2	0.0	3.0	0.0	0.0	0.0	11.0	2.0	0.0
12	0.0	0.0	2.0	12.6	2.0	12.2	2.0	0.0	2.0	0.0	30.4	5.0
13	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	5.4	3.0	0.0
14	0.0	10.0	0.0	5.4	1.0	3.0	2.0	5.0	2.0	4.2	5.0	0.0
15	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	35.4	2.0	25.4
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	25.4
17	0.0	8.0	10.4	42.4	2.0	3.0	2.0	0.0	2.0	42.4	0.0	16.0
18	6.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	0.0
19	0.0	4.0	3.0	0.0	1.4	9.0	0.0	5.4	0.0	0.0	6.0	2.0
20	3.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	2.0	0.0	0.0	0.0
21	0.0	3.0	0.0	0.0	5.4	2.0	50.8	2.4	0.0	0.0	2.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
23	16.2	3.0	0.0	0.0	0.0	0.0	0.0	10.4	0.0	0.0	3.0	0.0
24	0.0	3.0	0.0	0.0	2.4	29.4	0.0	0.0	4.2	5.0	5.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0	0.0
26	2.0	3.0	12.4	0.0	9.4	0.0	2.0	0.0	39.4	0.0	0.0	3.0
27	0.0	2.0	0.0	0.0	12.4	0.0	0.0	10.0	0.0	0.0	0.0	0.0
28	12.2	2.0	10.2	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
29	19.4		5.2	0.0	3.4	0.0	0.0	3.0	0.0	0.0	52.8	0.0
30	2.0		0.0	0.0	79.1	0.0	4.0	2.0	32.4	0.0	2.0	0.0
31	50.8		0.0		0.0		0.0	2.0		0.0		8.4
Total Millimetres	193	113	51	101	230	217	115	60	201	154	130	114

O.R.E. - Pluviometrie
Camp Perrin - Cayes
(en millimetres)

1998 Chart 1



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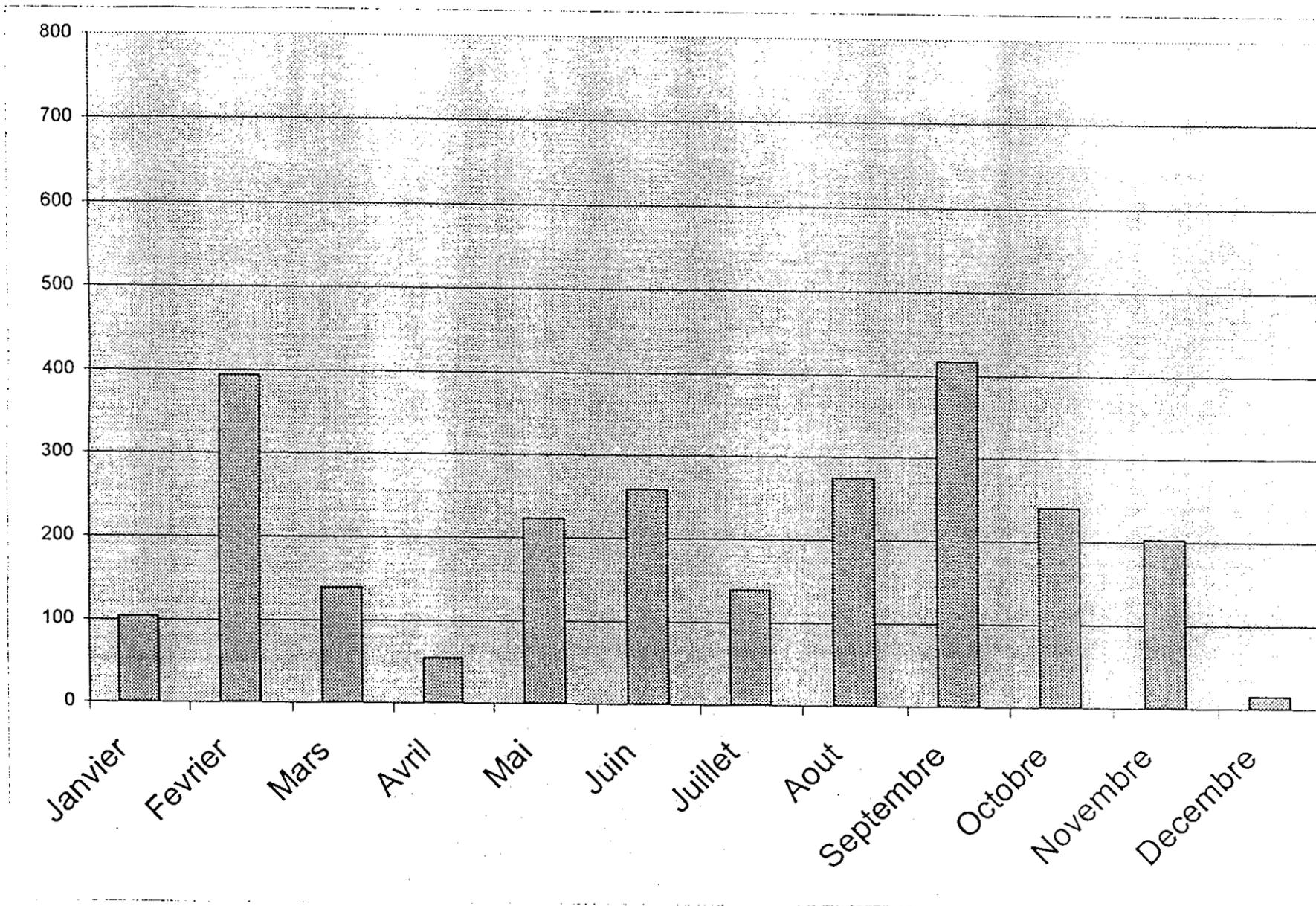
Pluviometrie - Camp Perrin, Cayes
1998
(en millimetres)

1998	Janvier	Fevrier	Mars	Avril	Mai	Juin	Juillet	Aout	Septembre	Octobre	Novembre	Decembre
1	56.8	2.0	2.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	2.0	1.0	1.0	32.0	0.0	0.0	1.0	0.0	0.0	19.0	2.0
3	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	2.4	0.0
4	2.0	62.8	2.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
5	0.0	0.0	5.0	0.0	24.4	5.0	25.4	0.0	7.2	2.0	0.0	2.0
6	2.0	2.0	0.0	10.0	14.4	0.0	13.4	0.0	25.4	0.0	8.4	0.0
7	2.0	0.0	2.0	6.0	25.4	0.0	0.0	0.0	16.0	1.0	2.0	4.0
8	2.0	1.0	0.0	2.0	3.0	2.0	0.0	16.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	1.0	2.0	0.0
10	2.0	3.0	0.0	0.0	0.0	0.0	2.0	0.0	9.4	0.0	0.0	1.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	2.0	0.0	2.0	1.0
12	1.0	0.0	8.4	2.0	0.0	8.0	0.0	8.0	2.0	0.0	24.0	1.6
13	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0
14	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2	0.0	0.0	0.0
15	0.0	0.0	25.4	0.0	3.0	2.0	11.0	6.0	14.2	0.0	8.0	1.0
16	1.0	0.0	2.0	0.0	0.0	0.0	3.4	0.0	3.0	3.0	8.0	7.2
17	0.0	0.0	2.0	0.0	4.0	0.0	0.0	0.0	68.8	11.0	0.0	15.4
18	6.0	0.0	2.0	0.0	0.0	15.0	2.0	2.0	0.0	10.3	0.0	5.0
19	0.0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	10.3	3.0	1.0
20	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	2.0	0.0
21	0.0	0.0	10.0	0.0	6.0	0.0	11.0	0.0	0.0	10.0	0.0	0.0
22	2.0	0.0	0.0	0.0	4.0	15.0	0.0	56.8	0.0	0.0	0.0	0.0
23	2.0	0.0	0.0	25.4	0.0	8.4	37.4	0.0	50.6	0.0	1.0	0.0
24	0.0	0.0	25.4	0.0	0.0	0.0	14.0	6.8	70.6	25.4	14.6	0.0
25	0.0	0.0	35.4	0.0	5.0	0.0	11.0	29.0	8.0	25.4	1.0	0.0
26	0.0	0.0	2.0	0.0	0.0	0.0	19.0	18.6	2.0	35.4	1.8	0.0
27	5.0	0.0	0.0	67.8	3.0	0.0	53.0	0.0	0.0	8.0	16.6	0.0
28	29.4	0.0	0.0	13.0	6.0	0.0	7.6	0.0	0.0	19.4	0.0	0.0
29	9.0		30.4	3.0	0.0	1.0	0.0	0.0	0.0	13.0	0.0	0.0
30	25.4		0.0	2.0	5.0	0.0	0.0	0.0	0.0	39.4	6.6	16.6
31	2.0		0.0		3.0		0.0	0.0		0.0		0.0
Total Millimetres	152	73	174	136	138	62	212	155	314	223	122	58

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ORE - Pluviometrie Camp-Perrin, Cayes
(en millimetres)

1999 Chart 2



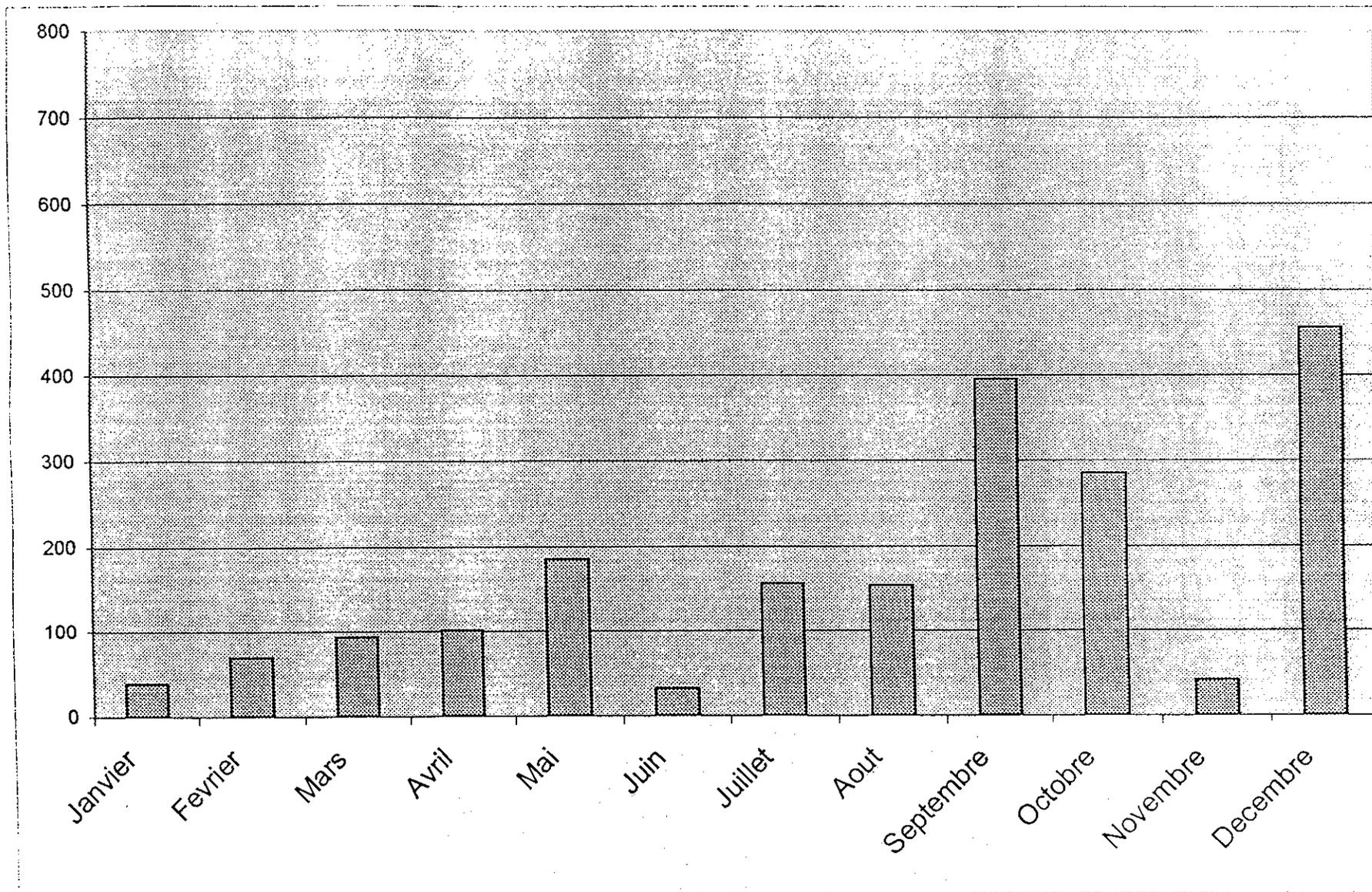
57

Pluviometrie - Camp Perrin, Cayes
1999
(en millimetres)

1999	Janvier	Fevrier	Mars	Avril	Mai	Juin	Juillet	Aout	Septembre	Octobre	Novembre	Decembre
1	0.0	0.0	0.0	8.4	0.0	0.0		0.0	0.0	0.0	22.8	2.6
2	2.6	1.4	0.0	0.0	0.0	0.0	8.2	0.0	4.2	0.0	7.0	0.0
3	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0
4	2.4	0.0	2.8		0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0
5	0.0	0.0	6.6	1.2	0.0	4.0	18.0	0.0	0.0	4.2	24.2	0.0
6	0.0	0.0	1.8	0.0	0.0	0.0	10.8	6.8	0.0	0.0	0.0	9.8
7	0.0	10.0	32.0	10.2	0.0	0.0	21.0	57.6	0.0	2.4	14.8	0.0
8	12.2	0.0	9.8	3.8	11.2	3.8	0.0	2.0	0.0	0.0	12.8	0.0
9	12.2	20.0	0.0	0.0	7.2	25.0	21.0	0.0	0.0	28.0	4.2	0.0
10	0.0	12.4	0.0	0.0	1.2	1.4	0.0	0.0	14.6	2.0	92.8	0.0
11	12.2	0.0	0.0	0.0	17.6	35.4	19.8	0.0	6.6	5.0	37.8	0.0
12	0.0	16.2	0.0	0.0	79.0	43.8	0.0	0.0	47.2	1.2	0.0	0.0
13	8.2	43.2	0.0	0.0	45.0	118.0	0.0	0.0	20.2	33.0	0.0	0.0
14	0.0	63.4	17.6	0.0	0.8	2.2	2.8	0.0	0.0	11.2	3.0	0.0
15	1.5	0.0	7.8	0.0	0.0	8.2	7.8	1.2	0.0	0.0	0.0	0.0
16	0.0	0.0	4.6	0.0	0.0	1.8	3.0	69.2	46.0	0.0	0.0	0.0
17	33.0	9.2	1.6	0.0	1.2	3.0	0.0	20.6	27.8	0.0	1.0	0.0
18	0.0	1.4	8.6	4.4	0.0	0.0	0.0	18.6	50.0	0.0	0.0	0.0
19	7.0	0.0	4.6	6.2	0.0	0.0	0.0	0.0	10.0	3.0	0.0	0.0
20	0.0	50.0	0.0	3.8	0.0	0.0	12.4	0.0	24.8	0.0	0.0	1.4
21	11.0	49.8	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	33.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	1.1	0.0	0.0	0.0	45.0	0.0	0.0	0.0	33.0	0.0	0.0	0.0
24	0.0	14.0	0.0	0.0	0.0	23.8	0.0	0.0	17.0	30.6	0.0	0.0
25	0.0	0.0	1.6	0.0	0.0	16.4	14.4	0.0	35.6	11.6	20.0	0.0
26	0.0	46.4	0.0	0.0	0.0	0.0	0.0	0.0	30.0	30.6	0.0	0.6
27	3.0	0.0	2.2	0.0	11.0	4.2	0.0	0.0	0.0	10.0	0.0	0.0
28	0.0	22.2	6.4	7.2	0.0	0.0	0.0	33.6	0.0	62.2	0.0	0.0
29	0.0		30.8	0.0	3.6	7.8	0.0	59.0		0.0	0.0	0.0
30	0.0			0.0	0.0	0.0	0.0	0.0	35.2	0.0	0.0	0.0
31	0.0				0.0		0.0	15.0		4.9		0.0
Total Millimetres	104	393	139	54	223	259	139	274	417	240	203	14

ORE
Pluviometrie - Camp-Perrin, Cayes
(en millimetres)

2000 Chart 1



Pluviometrie - Camp Perrin, Cayes

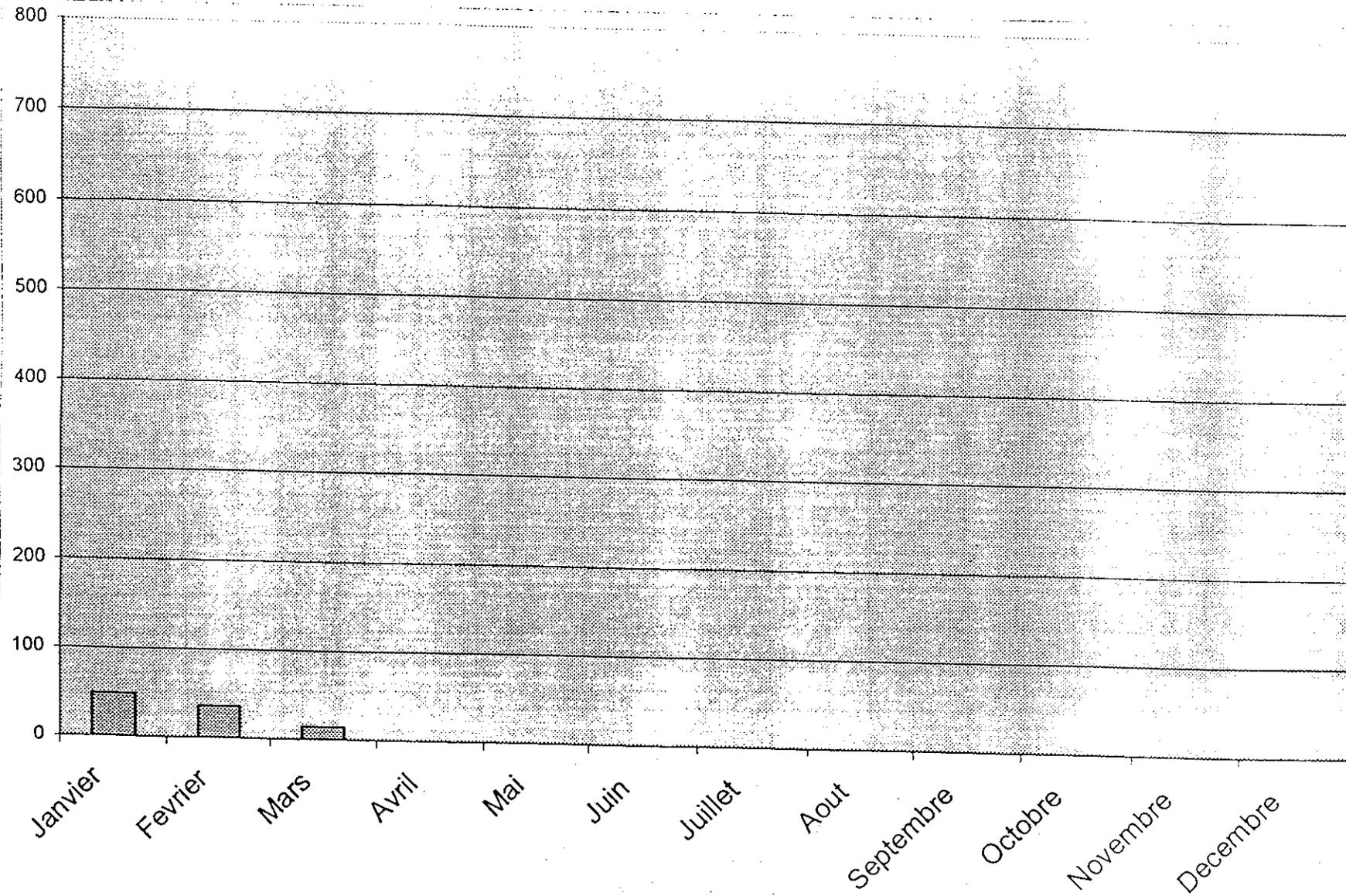
2000

(en millimetres)

ANNEE 2000	Janvier	Fevrier	Mars	Avril	Mai	Juin	Juillet	Aout	Septembre	Octobre	Novembre	Decembre
1	0.0	0.0	16.4	0.0	34.6	0.0	9.8	14.6	0.0	88.6	2.4	101.2
2	0.0	0.0	0.0	0.0	0.0	0.0	2.4	10.2	17.4	0.0	0.0	72.4
3	0.0	0.0	0.0	0.0	1.8	6.6	22.0	0.0	2.0	15.4	0.0	234.2
4	0.0	0.0	0.0	0.0	7.2	0.8	1.6	26.2	3.2	1.2	0.0	1.4
5	0.0	2.4	0.0	0.0	0.0	0.0	0.0	15.2	0.0	12.6	0.0	0.0
6	0.0	1.0	0.0	0.0	69.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	5.4	0.0	0.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	1.2	0.0	0.0	9.4	0.0	0.0	0.0	3.0	46.4	0.0	0.0
9	0.0	1.0	0.6	18.6	6.4	0.0	5.0	0.0	3.4	1.4	0.0	0.0
10	0.0	3.0	1.2	9.6	9.0	0.0	0.0	0.0	41.0	0.0	0.0	0.0
11	0.0	0.0	0.0	27.4	0.0	1.6	0.0	0.0	5.6	0.0	0.0	0.0
12	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	36.4	0.0	0.0	0.0
13	0.0	0.0	16.4	1.2	0.0	0.0	2.4	0.0	8.6	0.8	4.4	0.0
14	0.0	0.0	13.0	0.0	1.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	3.4	0.0	0.0	4.4	0.0	6.2	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	4.6	2.4	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	3.0	0.2	0.0	92.4	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	13.8	0.0	0.0	0.0	52.8	0.0	0.0	0.0
19	0.0	16.4	0.0	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	3.0	0.6	23.6	3.8	0.0	0.0	0.0	0.0	0.0	19.2	0.0
21	0.0	25.0	2.0	1.4	0.0	8.6	0.0	0.0	0.0	0.0	1.4	0.0
22	0.0	0.0	0.0	2.6	1.4	1.2	0.0	44.4	23.6	4.2	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	20.2	7.0	0.0	0.0
24	2.8	9.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	48.4	0.0	1.4
25	23.2	0.0	0.0	0.0	0.0	0.6	0.0	0.0	64.6	0.0	0.0	0.6
26	1.2	0.0	38.6	0.0	0.0	0.0	0.0	0.0	24.8	0.0	0.0	3.4
27	5.0	2.0	0.0	0.0	0.0	0.0	0.0	1.8	20.0	0.0	0.0	0.0
28	4.8	0.0	0.0	3.0	0.0	0.0	0.0	0.0	18.6	0.0	0.0	41.0
29	0.0		0.6	0.0	0.0	0.0	7.8	0.0	19.2	34.4	13.8	0.6
30	1.0		0.8		3.2	0.0	10.6	0.0	25.8	0.0	0.0	0.0
31	0.0				9.6			14.8		24.0	0.0	0.0
Total Millimetres	38	69	94	101	185	32	156	154	396	284	41	456

ORE
Pluviometrie - Camp-Perrin, Cayes

2001 Chart 1



CIAT - HGRP

***GERMPLASM IMPROVEMENT
PROJECT***

***QUARTERLY PROGRESS REPORT*
*January - March 2001***

April 9, 2001

SUMMARY

The « Germplasm Improvement » project carried out by CIAT in Haiti under the HGRP Program completed its fifth quarter of field activities. The socio-political instability prevailing in the country had quite negative repercussions on the normal implementation of the activities in the various intervention areas. Efforts undertaken focused on the planning of trials which will be established during the agricultural campaign to be conducted in March / April in the hillside areas of the Southeast and South departments. On March 31, 2001, seven (7) Bean trials have been established in the project intervention areas: one (1) in Marigot, one (1) in Petit-Goâve, four (4) in Camp-Perrin, and one (1) in Déron. Both Marigot and Petit Goâve trials were already harvested. In regard to other activities, the monitoring and evaluation of the trials established during this quarter were also carried out.

It must be highlighted that a relatively extended delay was experienced with the initial rainfalls of the season, mainly in the Southeast department . This situation seriously perturbed the launching of the seasonal agricultural campaign and the establishment of the plantations.

In other respects, a team of Specialists from the Center led by the Genetic Resources Director, Dr. Aart van Schoonhoven, Project Coordinator, and Doctor Guillermo Galvez, made a stay in Haiti during this quarter. The purpose of their visit was to supervise the Project activities in the field. It must be highlighted that the Executive Director of CLAYUCA (Latin American and Caribbean Consortium for the Development of Manioc Culture), based in CIAT Headquarters, also accompanied the Project Coordinator. They signed an agreement with the Haitian Minister of Agriculture to confirm the admission of Haiti to this Consortium.

By the end of the quarter, the Project General Coordinator, accompanied by the Training Manager of the Center, made another visit to supervise the activities of the project in Haiti. The presence of the Training Manager was motivated by the realization of a training course as part of the activities to be carried out under the project.

INTRODUCTION

CIAT Germoplasma Improvement Project intends to introduce and test various improved varieties, particularly bean, cassava, and mayze, at the level of the intervention areas. The activities carried out during this quarter focused on the following crops :

- Beans
- Mayze
- Cassava
- Tropical Pastures and Forages

1.- Beans

Two (2) pre-validation trials were conducted during this quarter, one (1) in Savane Dubois, Marigot municipality, and one (1) in Petit-Goâve. The following varieties were evaluated within these trials :

BAT 304
 TIO CANELA
 DOR 364
 DOR 390
 ICTA OSTUA
 TAMAZULAPA and
 The local variety

It must be highlighted that TAMAZULAPA appears as a improved national variety in the trials.

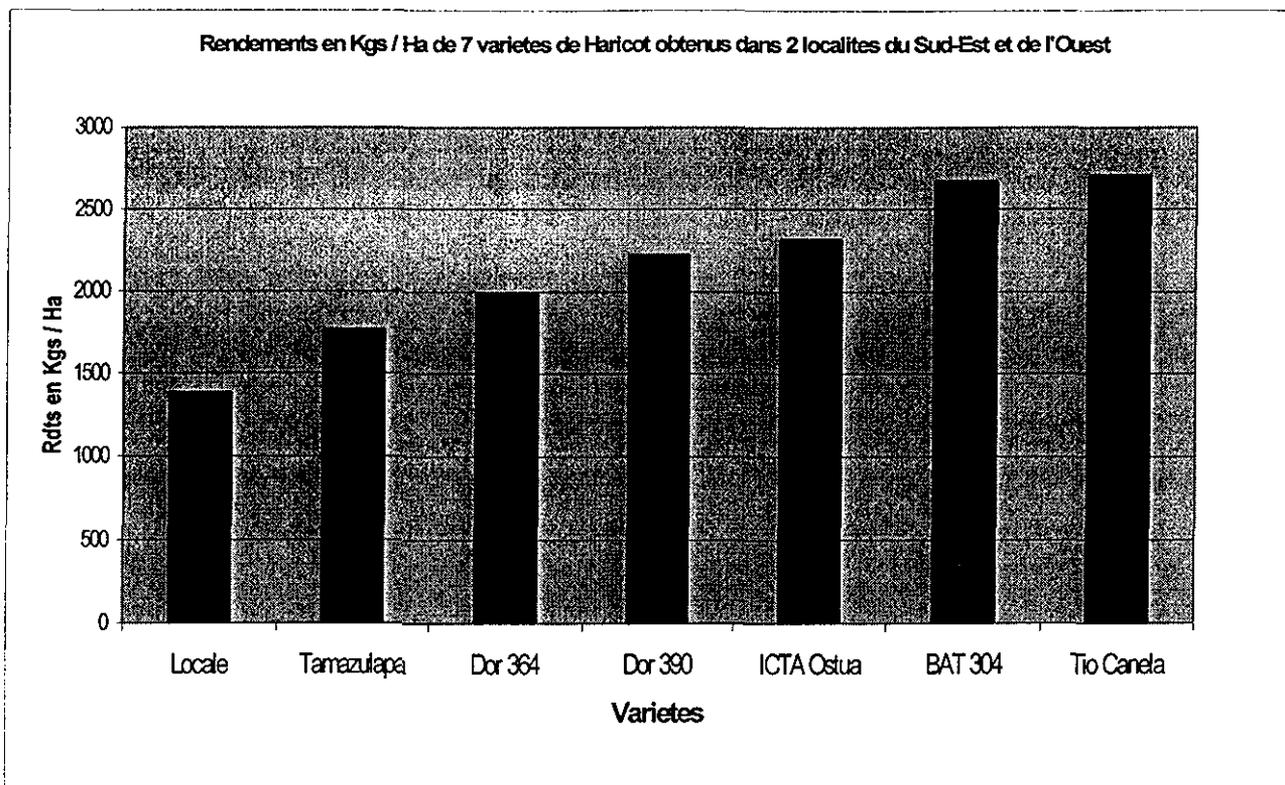
No significant manifestation of BGMV illness has been observed in the improved varieties during their development cycle. However, the local variety showed the most visible signs of susceptibility vis-à-vis the aforementioned illness. The outcomes identified for these trials are summarized in the following table.

The following table highlights the outcomes identified, expressed in Kg/Ha, for samples of four (4) square meters at the level of two sites in Savane Dubois and Petit-Goâve.

Site	Variety	# of plants harvested / 4 m ²	# of pods harvested / 4 m ²	Kg / Ha
A	Dor 364	104	503	1,521
	Dor 390	87	924	1,968
	BAT 304	104	730	2,033
	Tio Canela 75	102	1026	2,500
	ICTA Ostua	113	939	2,268
	Tamazulapa	94	634	1,363
	Local	-	-	1,386
<i>Average Site A</i>		101	793	1,863
B	Dor 364	110	751	2,459
	Dor 390	108	850	2,470
	BAT 304	123	1077	3,303
	Tio Canela 75	112	1120	2,903
	ICTA Ostua	133	896	2,365
	Tamazulapa	105	943	2,170
	Local	-	-	-
<i>Average Site B</i>		115	940	2,612
<i>Average of the 2 sites</i>		108	956	2,238

The following graphic allows better appraising the yields achieved by these varieties.

Yields in kg/ha achieved by seven (7) bean varieties in two localities in the Southeast and the West departments:



In addition, five (5) other trials have been established in the South and Southwest departments of the country, respectively four (4) in Camp-Perrin, and one (1) in Déron. While Déron's trial comprises varieties of *voluble* type, Camp-Perrin's trials comprise elites, which are tested for their performance under dryness and irrigation conditions.

On another hand, a surface of 2.5 hectares has already been sowed with seeds from the 500 Kgs of BAT 304 sent to Camp-Perrin (ORE) for multiplication purpose. Unfortunately no all 500 kg. were planted to look for their performance in large plantations. Actions are underway with other seed agencies for planting the remaining quantity of these seeds for the same multiplication purpose. The distribution of the commercial seeds that will be produced is scheduled for the next agricultural bean campaign to be conducted in July 2001.

Finally, other trials will be established in the Southeast area, in Cap-Rouge and in Fond Jean-Noël, during the agricultural campaign currently being conducted in these areas. Three (3) trials will be established in Cap-Rouge and three (3) in Fond Jean Noël.

2.- Cassava

Five (5) trials have already been established during the past two quarters with improved varieties introduced from the Dominican Republic. The varieties are identified with the following names:

- NEGRITA from Bani
- AMERICANITA
- LLANERA
- NIÑA
- BARAHONERA and
- YEMA de Huevo (Yolk of Egg)

These trials showed quite a good development despite the rigorous dryness periods, which prevailed in the Southeast during the past season. Naturally, the vegetative development is more advanced in flat country areas, which are irrigated, than in hillside areas where the consequences of the dryness are the most crucial.

During the next season, five new trials will be established with the same varieties, thus permitting the extension of the activities in Cap-Rouge, which represents a new area.

Finally, five new varieties sent by CIAT from Cuba and Panama were added to the six other varieties introduced from the Dominican Republic in the multiplication plots to be established in Damien and Camp-Perrin. Damien's plot has already been established. The improved varieties recently introduced are identified with the following names:

- Cemsa 74-725
- Cemsa 74-6329
- Señorita
- Inivit Y-94-4
- CMC-40

3. - Mayze

After harvesting the six (6) trials established in Camp-Perrin, the outcomes were forwarded to CALI and CIMMYT for analysis purposes. Seeds of the best varieties of mayze, one (1) or two (2), will be multiplied and disseminated in HGRP areas by the end of the Project.

A trial to compare the yield and adaptation levels will be established in Savane Dubois during the next season. The varieties to be evaluated are identified with the following names:

- Sikuana ICA V-110
- SINT IBP-4 TYF
- S. 97 TLGH « AYB » (2)
- Guiania 8765
- Across 8765
- Across 9227

4.- Tropical Pastures and Forages

The evaluation of the Pasture and Forages trials continued at the level of two sites in Déron and Camp-Perrin where developments observed are fairly satisfying for most of the species.

The Graminea trials showed the best development. Standardization pruning was finally performed for the two BRACHIARIAS (Brizantha and Decumbens) and PANICUMs, which are the most satisfactory species.

Three (3) Cover species (CAUPI, CANAVALIA, and MUCUNA) showed outstanding developments, except for KUDZU, which showed a relatively unsatisfactory development and a very low adaptation level. Seeds of these varieties were harvested.

The shrub species in turn had a very differential development in favor of LEUCAENA LEUCOCEPHALA, CALLIANDRA and, at a lower level, CRATYLIA. The other species proved not to be adapted. It was agreed to perform the standardization pruning for the most advanced species.

Concerning the HERBACEAE, the three best species remain CLITORIA and the two CENTROSEMA, for which the standardization pruning was performed during this quarter.

The next visit of the Specialist in Forages will allow us to conduct all necessary evaluations in order to proceed with these activities.

4.- International Visitors

During this quarter, we received two series of visits.

A supervision visit from the Project Coordinator, who was accompanied by CIAT Genetic Resource Manager, Dr. Art Shoonhoven, the Project Officer, Mr. Jorge Saravia, and the Executive Director of CLAYUCA (Latin American and Caribbean Consortium for the Development of Cassava Crop), Dr. Bernardo Ospina. As mentioned before, the presence of Doctor Ospina was motivated by the signature of an Agreement with the Minister of Agriculture, Natural Resources and Rural Development, to confirm the admission of Haiti to this Consortium. During this ceremony, which brought together the main administrative and technical managers of the Ministry, Doctor Ospina made a presentation on CLAYUCA's working program for the region. The circumstantial speech of the Minister's representative was followed by a friendly reception to close the ceremony.

The Project Coordinator made a second visit by the end of the quarter. During this visit, he was accompanied by CIAT Training Coordinator, Mr. Alfredo Caldas. This visit was mainly conducted for coordinating the training activities to be held in the Training Course on Production of Tropical Crops, which will take place from 18 to 28 June. The course will include the following crops; Beans, Tropical Forages, Maize, Cassava, Plantains and Bananas and Seed Production and Processing. The course is offered to professionals working in the fields of research, extension, promotion and education of the Ministry of Agriculture, NGO's

and partners of the HGRP project. CIAT will provide the instruction and logistical support for the event.

During his visit, Mr. Caldas met with Mr. Paul Ruderberg, in charge of the AUC (American University for the Caribbean), an American university located in Cayes city, in the South department of Haiti, at an estimated twenty kilometers from Camp-Perrin. After discussing with the management, the facilities of this University were selected for conducting the Training Course and lodging of the participants.

Mr. Caldas also met with the Directors of PADF/HGRP and ORE, for discussing aspects related to the course and invitations..These shall be sent shortly to the different Institutions participating in this training course.

Other visits are expected before the end of the project. The attached table I provides all related details.

4.- Perspectives

- Introduction of new crop materials of improved varieties.
- Establishment of new trials in the South and the Southeast regions for the high season in March / April 2001.
- Organization of a Training Course for the benefit of the different partners of the project.
- Field evaluations of Beans, Cassava, Mayze and Tropical Forages trials.
- Multiplication of new adapted materials, particularly Beans, Mayze and Cassava.
- Visits of Specialists from ORE and the CIAT Project Agronomist to CIAT headquarters in Cali. The visit will also include Costa Rica for Tropical Forages.

The attached table II provides a timeframe for the project activities from April through August 2001, with an estimation of the projected costs.

CALENDARIO DE LAS VISITAS INTERNACIONALES

From April to August 2001

Tableau I

ACTIVITIES	Characteristics	Planting dates	March				April				May				June				July				August					
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Beans Trials																												
Climbers Bush types	Climbers	Mid-Feb, 01																										
	Irrigation	Mid-Feb, 01																										
	Drought	End-Feb, 01																										
	Others Parents	End-Feb, 01																										
	Prevalidation 01	Beg-Apr, 01																										
Maize Trials																												
Var. trials	Elite from CIMMYT	Beg-Apr, 01																										
Cassava Trials	Materials from DR	Dec, 00																										
Forage Trials	Materials from CIAT	Sept, 00																										
Sorghum Trials	Materials from ICRISAT	End-Mar, 01																										
Leaders Visit	Different materials																											
Levael / Elias-saint Trip to CIAT	New Technologies at CIAT																											
Training	Agenda in discussion with ORE																											

■ : Probable dates for visit

1, 2, 3, 4 : Weeks 1, 2, 3, 4

Chronogramme des activités du Projet de Avril à Août 2001

Tableau II

Activités à réaliser	Avril		Mai		Juin		Juillet		Août		Coûts approxima- tifs (US \$)
Mis en place des essais	■						■				?
Formation						■					?
Evaluation des essais	■		■		■		■		■		?
Multiplication et distribution de semences	■		■		■						?
											?
											?

To: Dan O'Neil, Director, HGRP
From: Demetria Arvanitis, Program Manager, Winrock International
Date: April 13, 2001
Subject: Farmer to Farmer Project Quarterly Report
Cc: Gerard Xavier, Country Director/Haiti

During the second quarter of FY 2000, FtF project implementation has continued to be hampered by travel restrictions to Haiti. Volunteers recruited for specific assignments have had schedules canceled and then been unable to travel to Haiti at later dates due to prior commitments. The Haiti recruiter has been able to find well qualified replacements for these volunteers, but it has made programming challenging.

Currently, all remaining assignments have been identified and scopes of work prepared. As reported in mid March, volunteers have also been recruited for these assignments. While there are typically minor schedule fluctuations due to airplane schedules etc. it is anticipated that the full complement of volunteers for the FtF program will be fielded by the end of June.

The Program manager will be visiting Haiti during early May to discuss the option of additional volunteers based on available funding. Two additional scopes have been completed and are ready to implement if there are resources.

Volunteer Activities: January-March, 2001

As of March 31, six volunteers have been fielded to Haiti for the Farmer to Farmer program. Volunteers assigned during this quarter were as follows:

Coffee Production

Volunteer: Norm Bezona

Dates: March 8-21, 2001

Cooperative Development

Volunteer: David Willett

Dates: March 8-21, 2001

Please see the attached document for a schedule of upcoming volunteer assignments.

Assignments Completed

HAI001	Arden Colehour	Integrated Farming
HAI002	Mark Stopha	Aquaculture
HAI005	John Fitzgerald	Garlic Expert
HAI008	Greg Fonsah	Banana Production

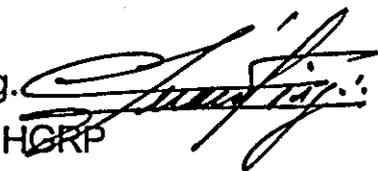
Volunteers Confirmed			
March			
3/8-3/21	HAI009	Norm Bezona	Coffee
3/8-3/21	HAI012	David Willett	Coop Dev
April			
4/16-4/28	HAI011	Ann Harman	Beekeeping
4/23-5/5	HAI010	Doyle Burch	Irrigation
May			
5/7-5/12		Mark Stopha	Aquaculture follow-up
5/10-5/25	HAI007	Gary Pelter	Vegetable Crop
5/14-5/26	HAI003	Jim McNitt	Rabbit
5/28-6/9	HAI004	Bruce/Patty Olcott	Goat Breeding
June			
6/10-1/20	HAI013	Howard Hirae	Banana
6/1-6/16	HA1006	Adaire Morse	Mktg&Acctg Citrus
Completed Scopes based on availability of funds			
	HAI014		Processing Corn Grits
	HAI015		Processing Fruit Expert

Volunteers Available for Assignments

B. J. Shannon	Microfinance
Edie Shannon	Human Resource Management

Memo

To: Daniel O'Neil, Dir. HGRP

From: Gerard L. Xavier, C/Eng. 

CC: Frantz V. Joseph, Tech. Dir. HGRP
M. Francisque, Eng.

Date: 4/24/01

Re: Technical Report

Grande-Chasse

- 1) The 24,027 gallons capacity reservoir is completed.
- 2) 1,000 blocks 15x20x40 have been laid.
- 3) 4.26 m³ of concrete have been poured for the columns, floor and tying belt.

This week, the remaining blocks 15x20x40 to be laid will be completed. The upper tying belt will be poured to receive the roof. The roughcasting of the blocks will begin.

Grande-Savanne

- 1) The form and rebars of the slab for the reservoir are completed. The concrete will be poured this week. Its capacity is 16,219 gallons.
- 2) 1,600 blocks 15x20x40 have been laid.
- 3) 12.05 m³ of concrete have been poured for the classroom floor and the tying belt.

N.B.: This site has been delayed for the following reason: due to heavy rainfalls the road leading to Grande-Savanne has been deteriorated, forbidding the delivery of materials on the site. This week the bulldozer will improve it and the work will resume immediately. However, this delay will not have an impact on our previous schedule.

1- LE CONTEXTE

Le 6 avril 2000, le Catholic Relief Services (CRS) concluait avec le Pan Américan Foundation (PADF) un accord pour la réalisation d'un programme de Réhabilitation d'infrastructures productives frappées par le passage du cyclone Georges en Septembre 1998.

CRS s'engageait de ce fait à supporter l'objectif stratégique de renforcer la capacité des communautés ciblées à se rétablir des effets du cyclone Georges et à les préparer adéquatement pour faire face aux éventuels futurs désastres naturels.

2- OBJECTIFS

Le programme vise à réhabiliter 270 hectares de terre et 27 kilomètres de ravine et l'irrigation de quelques 220 hectares de Terre à travers les cinq (5) projets suivants :

- Le projet de conservation de sol et de l'eau à Palmiste- à -Vin
- Le projet de conservation de sol et de l'eau à Musac
- Le projet de conservation de sol et de l'eau à Matwala
- Le projet de réhabilitation de système d'adduction d'eau potable
- Le projet de réhabilitation de système d'irrigation de Dory Cavaillon

3- RESULTATS ATTENDUS

Les résultats attendus à la fin du programme sont les suivants :

- La réduction des impacts environnementaux des futurs désastres naturels à travers le traitement des ravines et la conservation de sol.
- L'augmentation de la production agricole par l'irrigation de 220 hectares de terre
- Le renforcement de la capacité des communautés ciblées à faire face aux futurs catastrophes à travers la formation de ses habitants
-

4- ACTIVITEES REALISEES

4.1 CONSERVATION DU SOL ET DE L'EAU A PALMISTE -A -VIN

4.1.1 rappel des principales activités

le projet se proposait de corriger 7.5 kms de ravine par la réparation de certaines structures physiques et biologiques endommagées par le cyclone Georges à travers les activités suivantes :

- l'achat et la distribution de 50000 plantules d'essences fruitieres et forestieres .
- l'érection de 5700 metres cubes de seuils
- la protection de 75 hectares de berges
- la stabilisation de 7.5 hectares de talus des ravines

4.1.2 Activités réalisées pour la période

Activites	previson	realisation à date	% réalisé	balance
Traitement de ravines	7.5km	7.6km	101.33	0.5 km
seuil	5700m3	3646m3	57	2445
rampes	75000	40000	53.33	35000
clayonnage	Non prévu	220ml		
reboisement	50000	39054	78%	10946

4.2 CONSERVATION DU SOL ET DE L'EAU A MUSAC

4.2.1 rappel des principales activités

le projet se proposait de corriger 5.5 kms de ravine par la réparation de certaines structures physiques et biologiques endommagées par le cyclone Georges à travers les activités suivantes :

- l'achat et la distribution de 40000 plantules d'essences fruitières et forestières .
- l'érection de 4169 mètres cubes de seuils
- la protection de 75 hectares de berges
- la stabilisation de 7.5 hectares de talus des ravines par l'implantation de 66000ml de rampes vivantes

4.2.2 activités réalisés pour la période

Activites	previson	realisation à date	%réalisé	balance
seuil	5500 m3	4347,8 m3	87	1152,2
Rampes vivantes	66000ml	29950 ml	45	30468
reboisement	40000	10000 u	25	30000

4.3 conservation du sol et de l'eau à MATWALA

4.3.1 rappel des principales activités

le projet se proposait de corriger 10 kms de ravine par la réparation de certaines structures physiques et biologiques à travers les les activités suivantes :

- L'érection de 1250 seuils équivalent à 6000 m3 sur une longueur de 10.000 ml de ravine.
- L'érection de 10.000 ml de mur sec sur les versants
- Le transport de 68.000 plantules sur les lieux de plantation.
- La mise en terre de 48.000 piantules par les équipes de travail.
- La plantation de 12.000 plantules de bambou pour renforcer les seuils.
- La plantation de 20.000 plantules par les résidents de la zone (écoliers et particuliers)
- La mise en place d'une banque d'outils d'une valeur de 67.400 gourdes (voir document du projet)

4.3.2 Activités réalisées

Le tableau suivant résume la situation du projet à date :

Activites	prevision	realisation à date	%réalisé	balance
seuil	6000m3	4900m3	81	1100
Murs secs	10.000ml	9000ml	90	1000
plantation	48000 plant.	10500 plant	21,875	37500

4.4 rehabilitation du systeme d'irrigation de DORY

4.4.1 rappel de l'objectif et des principales activités

Ce sous -projet visait :

- la reparation des dégats causés par le cyclone Georges
- la revitalisation de l'économie de la zone
- l'amélioration du système
- l'encadrement des bénéficiaires

Ces objectifs sus-mentionnés seront atteints à travers les activités planifiées suivantes :

- la réhabilitation du bassin de prise
- le curage et la protection des berges des 19 kilomètres du canal primaire
- la réhabilitation de 50 bassins de distribution
- la réhabilitation de 14 ouvrages de traversée
- le reprofilage de 700ml de canaux tertiaires et de drains

4.4.2 activités réalisées

les activités réalisées se resument dans le tableau suivant :

activités	prévision	Réalisation a date	% de réalisation	balance
Curage du canal primaire	19000ml	21000 ml	101,01	-
Sarclage de berges	19000 ml	6346.5ml	90.20	12,653.5
Etablissement de cavalleres	2200	2200	100	-----
Colmatage de breches	Non programmées	35	-----	-----
Reparation de bassin de distribution	50	22	44	28
Reparation de berges de canaux	705m3	932,65m3	132.29	-----
Curage bassin de prise	64h/j	76	118,75	
Reprofilage de tertiaires et drains	0	200		
Rehaussement de parois de canaux primaires	-----	915	-----	-----
Reparation d'ouvrage de traversee	14	0	0	14

4.5 Eau potable dans le Sud'est

Au début de la période les travaux de réhabilitation du système ont pu être démarrés grâce une autorisation partielle de la part de la PADF

5. DEPENSES ENCOURUES

Les dépenses de la période s'élèvent à : 185862.51 \$ USD soit 166,637.65 pour le compte de la PADF et 19,224.85 \$USD pour le CRS. Elles sont ventilées comme le montre le tableau suivant :

**Hurricane Georges Recovery Program
Consolidated Report of Expenses**

For the period from: Oct To Dec-00

Line Item	PADF	CRS	TOTAL
	Expenses(US)	Expenses(US)	Expenses (\$US)
Direct Labor	7,057.57	-	7,057.57
Fringe Benefits		1624.79	1624.79
Supplies and Equipments	2404	12,636.20	15040.21
Sub Project	120978.76	4963.86	125942.62
Travel and Perdiem	770.43	-	770.43
Indirect Cost (NICRA)	35426.90		35426.90
GRAND TOTAL	166,637.66	19224.85	185862.51

Hurricane Georges Recovery Program (HGRP)

Rehabilitation d'écoles et de systemes d'adduction d'eau potable Dans le Dpartement du Sud Est

Rapport Trimestriel Janvier-Mars 2001 de la Cooperative Housing Foundation (CHF)

Préambule

Le présent rapport constitue le dernier rapport trimestriel de la CHF dans le cadre de la réhabilitation des infrastructures endommagées par le cyclone Georges dans le département du Sud-Est. Il précède donc le rapport final qui sera remis à la PADF a la fin du mois de Mai

La CHF tient à remerccier la PADF pour la confiance et le support dont elle a bénéficié dans l'exécution de son contrat. Elle souhaite que le projet continue de succès en succès et dépasse les plus optimistes prévisions.

Etat d'avancement des travaux au 31 Mars 2001.

A) Réhabilitation d'écoles

Le volet réhabilitation d'écoles peut être résumé à l'aide du tableau ci-dessous.

Lot I	Ecoles	Etat d'avancement
	Nationale Savanne Zomby	100%
	Boni	100%
	Nationale des Filles de Marigot	100%
	N D. Immaculé Conception	100%
	Nationale de Dade	100%

	Nationale de Cibao	100%
	Nationale de Thiotte	100%
Lot II		
	Ecole N Garçons de Marigot	100%
	Nationale de Bas Gris-Gris	100%
	Nationale de Bodarie	100%
	Lycée de Belle-Anse	100%
	Nationale Exina Gilles	100%
	Nationale Edeze Gousse	100%
	Nan Malgré *	85%
	Centre Educatif de Furcy	100%
Lot III	Nationale de Sable Cabaret	100%
	Nationale de Meyer	100%
	Charles Moravia	55%
	Nationale de Lafond	100%
	Savanne Zombi II **	-
	Communautaire de Thiotte	55%

- Bien que faisant partie des écoles du lot II l'école Nationale de Nan Malgré n'est pas encore totalement réhabilitée. Ceci est du à certaines difficultés majeures rencontrées dans la réalisation des travaux.
- ** Savanne Zombi II vient remplacer l'école Nationale de Coq Chante

L' Ecole Nationale de Bois d'Orme est en phase d'achèvement.
La toiture du second module est très avancée. Il reste les ouvertures, la peintures et de menus travaux de retouches

B) Systèmes d'approvisionnement en eau potable

Le tableau résume la situation de ce volet d'activités

Macary/Moril	100%
Mahotière	100%
Charette	100%
Lartigue/ Limè	95%



**PAN AMERICAN DEVELOPMENT FOUNDATION
USAID-HAITI**

**Hurricane Georges Recovery Program
(HGRP)**

**RAPPORT TRIMESTRIEL
(Janvier à Mars 2001)**

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Présenté par:
Centre canadien d'étude et de coopération
internationale (CECI)

Avril 2001

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I.- INTRODUCTION

Le présent rapport renseigne sur la progression générale des trois (3) sous-projets de réhabilitation de systèmes d'irrigation exécutés dans le cadre du HGRP dans la région de Jacmel, à savoir : Blaise – Desmarathes – Munitié (Lavanneau), Jean David (Cayes– Jacmel) et Orangers – Meyer – Cyvadier (Jacmel). Il couvre le trimestre janvier - mars de l'année en cours.

II.- ACTIVITES REALISEES ET RESULTATS OBTENUS

Le tableau ci-après présentent de façon très succincte les principales activités réalisées par le CECI dans le cadre de ce programme et les résultats obtenus pour ce trimestre.

No.	Activités	Période / Date	Résultats	Remarques
1.-	<ul style="list-style-type: none"> - Suivi de l'exécution des travaux sur le système d'irrigation : Blaise – Desmarathes – Munitié, - Contrôle de la qualité des travaux - Appui technique au CBO : Fondation Sauvons un Pays 	Janv – Mars 2001	<ul style="list-style-type: none"> - Curage de 2 km de canaux - Revêtement de 838 ml de canaux en maçonnerie. - Protection de 28 ml de berge en gabions. - Protection canal tête morte a St antoine sur 24 ml en gabions . - Début des travaux de construction de la prise à St-Antoine sur la Rivière Gauche - Accès a l'irrigation a plus de 60 ha de nouvelles terres 	<ul style="list-style-type: none"> - Travaux perturbés par les crues de la rivière gauche - 1,238 m e canal déjà revêtu
2.-	<ul style="list-style-type: none"> Suivi des travaux de réhabilitation du système de Jean-David - Contrôle de la qualité des travaux - Appui technique au C.B.O Altesha-Feucaj 	Janv – Mars 2001	<ul style="list-style-type: none"> - Curage de 1,5 km de canaux - Revêtement de 490 ml de canaux en maçonnerie - Construction d'un mur de protection de 30 ml en maçonnerie sur la rive droite en amont du barrage. - Démolition des travaux endommagés et reconstruction du barrage - construction d'un radier de protection en gabions de 24 m² en aval du barrage - Protection de 40 ml de berge en gabions (rive gauche et rive droite en aval) 	<ul style="list-style-type: none"> - A date l, 125 ml de canal revêtu - Extension du système (40 ha additionnels)

No.	Activités	Période / Date	Résultats	Remarques
3.-	<ul style="list-style-type: none"> - Suivi de l'exécution des travaux de réhabilitation des systèmes Orangers, Meyer, Cyvadier - Contrôle de qualité des travaux - Appui technique au CBO Atase-avo-feucali-auc. 	Janv – Mars 2001	<p style="text-align: center;">Orangers</p> <ul style="list-style-type: none"> -Aménagement d'un radier en gabions sur 80 m² en aval du barrage -Revêtement de 575 ml en maçonnerie de canaux (Orangers) -Construction de deux ouvrages de traversées en béton (Orangers) <p style="text-align: center;">Meyer</p> <ul style="list-style-type: none"> -Réparation des canaux Leonce Edouard et Indigoterie sur 400 ml en maçonnerie (Meyer) -Revêtement de 205 ml de canaux sur le canal Bayard à Meyer - Construction de 4 ouvrages de traversée en béton <p style="text-align: center;">Cyvadier</p> <ul style="list-style-type: none"> - Début des travaux de curage - Revêtement de 348 ml en maçonnerie reliant la source Diamant à la source Figuier - Reconstruction et réparation en maçonnerie et en béton du canal Figuier sur 780 ml - Construction d'un ouvrage de traversée 	Linéaire de canal revêtu: 2.308 ml (575 ml à Oranges, 605 ml à Meyer, 1128 ml à Cyvadier)
4.-	Renforcement organisationnel	Janv – Mars 2001	<p>FSP et KIL à Lavanneau, Altesha -Feucaj à Cayes-Jacmel, Atase AUO-AUM-AUC à Jacmel, et Association d'usagers accompagnés techniquement dans l'exécution des travaux, la restructuration et l'identification de projets de valorisation des périmètres</p> <ul style="list-style-type: none"> - Participation aux rencontres mensuelles - Différents rapports financiers mensuels soumis 	

III.- RESULTATS INTERMEDIAIRES

A) Rappels

Description	Sous-contractants		
	Fondation Sauvons un pays	ALTESHA-FEUCAJ	ATASE
<i>Titre du sous projet</i>	Réhabilitation du système d'irrigation de Lavanneau	Réhabilitation du Canal Jean David	Réhabilitation du système d'irrigation de Cyvadier-Meyer-Orangers.
<i>Date de démarrage effectif</i>	14 août 2000	24 octobre 2000	26 décembre 2000
<i>Date d'achèvement prévue</i>	30 avril 2001	30 avril 2001	30 avril 2001
<i>Financement HGRP</i>	2.912.355.99 gdes	2.243.596.67	1.805.505.
<i>CBO</i>	Fondation Sauvons un Pays-KIL	Altesha-Feucaj	Atase-AUO-AUM-AUC.

B) Avancement Physique des Eléments sous contractuels

1.- Fondation Sauvons Un Pays / Desmarathes – Blaise Munitié

Activités	unité	Quantité programmée	Quantité réalisée		Réalizations cumulées	
			periode ant	pour le trim.		
Implantation	Ml	1,000	1000	0	1,000	100%
curage et fouille	m ³	3,230	2994.9	149.9	31,44.8	97.36
Maconnerie	m ³	800	396.77	386.75	783.52	97.94
beton	m ³	49	25.7	59.21	84.91	173.28
gabionnage	m ³	1,980	1035	636	1,671	84.39
Installation vannettes	u	10	0		0	

Pourcentage avancement moyen : 92,16% -

Travaux restants : Construction de la prise et installation de vanne

2.- ALTESHA – FEUCAJ / Jean-David

Activités	unité	Quantité programmée	Quantité réalisée		Réalizations cumulées	
			periode ant	pour le trim.		
Implantation	MI	3116	3020	96	3116	100%
curage et fouille	m ³	6113	2774.6	1896.4	4671	76.41
Maçonnerie + Joints	m ³	750	414.64	391.36	55.5	107.46
Beton	m ³	53	18	37.5	190	104.71
Gabionnage	m ³	306	0	190	320	62.09
Transport roches	m ³	900		900	96	100
Finition canal		320		320	320	100
Maçonnerie agglomere	m ²	96		96	96	100
Béton chainage	m ³	30		30	30	100
Installation vannettes	u	35	0	0	0	0

Pourcentage avancement moyen : 95% / Travaux restants Installation de Vannes

3.- ATASE / Meyer – Cyvadier – Orangers

Activités	unité	Quantité programmée	Quantité réalisée		Réalizations cumulées	
			periode ant	pour le trim.		
Implantation	MI	5,000	1000	4000	2,380	100%
curage et fouille	m ³	3,700	295.3	179.6	474.9	12.83
Maçonnerie + Joints	m ³	800	50	518.33	568.33	71.04
Beton	m ³	105	5	83.31	88.31	84.1
Gabionnage	m ³	80	0	80	80	100
Installation vannettes	u	35	0	0	0	0

Pourcentage avancement moyen : 92,16%
Travaux restants : installation de vannes

Pour pallier aux difficultés financières liées à la hausse des prix des matériaux et de transport, on a du modifier par avenant les contrats des CBO Sauvons un Pays et ALTESHA.

Dans l'ensemble, les travaux sont achevés à plus de 90%. Les pluies enregistrées fin mars ont en quelque sorte ralenti les travaux sur les périmètres Desmarathes – Blaise – Munitié, notamment au niveau de la prise.

IV.- LES PREMIERS EFFETS

- 1) 4 + 167 km de canaux revêtus et réhabilités et consécutivement une diminution des pertes par infiltration et l'irrigation de 135 ha de nouvelles terres dont 60 ha à Lavanneau, 40 ha à Cayes-jacmel et 35 ha à meyer-cyvadier-Orangers.
- 2) Superficie sous irrigation a augmenté d'environ 12%. Actuellement 1,284 ha (510 ha à Lavanneau, 364 ha à Meyer – Cyvadier – Oranger et 415 ha à Jean-David) sont sous irrigation.

V.- PROGRAMMATION POUR LE DERNIER TRIMESTRE

Les travaux seront livrés dans le courant de la première semaine de mai. Certaines interventions sont prévues en conséquence :

- Légers travaux de reprofilage de certains canaux curés déjà environ 4 mois
- Installation des vanettes
- Achèvement de la prise à St Antoine à Lavanneau
- Reprofilage partiel de la rivière gauche
- Démobilisation et soumission des rapports finals

VI.- CONCLUSION

En dépit de toutes les contraintes rencontrées, les activités progressent de manière très satisfaisante. De plus, les travaux réalisés sont de bonne facture.

Le projet maintenant tire à sa fin. Il ne reste que quelques travaux de finition à réaliser. Au cas où on n'enregistre pas de crues prématurées de la rivière gauche et de perturbations socio-politiques, on espère terminer avec la prise sur cette rivière et achever enfin les travaux à Lavanneau. Il reste évident que l'exécution de ces sous projets n'a pas permis la résolution de tous les problèmes existants sur les systèmes. Toutefois les 1974 planteurs bénéficiaires sont très satisfaits des réalisations.



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3 Impasse Lilly, Rue Stephen, Delmas 60, Musseau, Port-au-Prince, Haïti. Tél : 257-9041, 256-1438, 256-4229, Fax : 257-9041

Le 9 Avril 2001

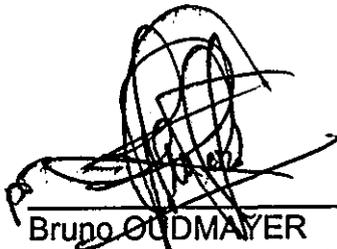
M. Daniel O'Neil
Directeur
PADF/HGRP
Rue Verly, Delmas 31
Port-au-Prince, Haïti

Objet : Transmission rapport trimestriel.-

Monsieur le Directeur,

Le Plan International Haïti vous présente ses compliments et profite de l'occasion de vous faire parvenir sous ce couvert, le rapport trimestriel pour la période allant de Janvier à Mars 2001 dans le cadre du programme Hurricane Georges Recovery Program.

Veuillez agréer, Monsieur le Directeur, nos salutations distinguées.



Bruno OUDMAYER
CD Plan International

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**PAN AMERICAN DEVELOPMENT FOUNDATION
USAID-HAITI**

**Hurricane Georges Recovery Program
(HGRP)**

Rapport Trimestriel

Mars 2001

1. Rapport Technique

Le présent rapport couvre la période de Janvier à Mars 2001. Il relate les différentes activités réalisées par le Plan International dans le cadre du HGRP, concernant les projets de *Conservation de Sol* et de *Réhabilitation du système d'eau potable de Lafond*.

Nous tenons signaler que le troisième sous-projet de *Protection de Berges de la Ravine des Orangers* a été soumis mais n'a pas encore reçu l'approbation de PADF.

1. Sous-Projet de Conservation de Sol de Lafond

Le sous-projet de conservation de sol est achevé depuis le mois de Janvier comme il était prévu dans le dossier de projet. Cependant compte tenu que la vérification des dépenses qui ont été effectuées n'est pas encore terminée, afin de soumettre le rapport final du projet. Il est prévu également l'achat d'autres plantules si l'avenant qui a été soumis est approuvé par la PADF.

Nous tenons à signaler que l'organisation CODELE a utilisé le fond communautaire généré par le projet pour la mise en place d'un moulin à maïs à Lafond qui est opérationnel depuis le mois de mars.

	Prévision	Unité	Réalisé	%
Seuil	8640	ml	8640	100%
Bandes enherbées	36000	ml	37200	103%
Murs secs	24100	ml	24100	100%
Terrasses individuelles	50000		50000	100%
Production de Bambous	9600	PL	9600	100%
Production de Plantules	120000	PL	60000	50%
Formation	120	URL	120	100%

2. Sous-Projet de réhabilitation du système d'eau potable de Lafond

Démarré au mois de décembre 2000 le sous-projet de réhabilitation du système d'adduction d'eau potable de Lafond n'a pas pu être terminé au mois de mars 2001 comme prévu dans le chronogramme d'exécution des travaux. Cependant, la fin du projet est reporté pour la mi-avril afin d'effectuer les travaux de protection de l'aire du captage par une clôture en cyclone fence, d'installation des robinets talbot et la mise sous tension du réseau.

Un avenant a été soumis afin de sécuriser l'aire du captage et l'achat de robinets Talbot pour éviter le gaspillage d'eau sur le réseau compte tenu de leur durabilité.

Nous vous présentons le pourcentage des travaux qui ont été réalisés à date:

- | | |
|--------------------------|------|
| • Nettoyage Captage | 100% |
| • Construction réservoir | 100% |
| • Pose de Gabions | 100% |
| • Conduites | 100% |
| • Fontaines | 90% |
| • Lavoirs et point d'eau | 100% |
| • Cloture du captage | 0% |

Emplois créés : 1139 personnes/mois

Le montant du fond communautaire du projet sera utilisé par Komelak pour la mise en place d'un magasin communautaire à Lafond.

Programmation pour le prochain trimestre

- Soumission du rapport final du sous-projet de Conservation de sol et de l'eau à Lafond
- Achèvement du sous-projet de Réhabilitation du système d'adduction d'eau potable de Lafond qui est prévu pour la mi-avril.
- Démarrage des travaux du sous-projet de Protection de Berges de la Ravine des Orangers.

2. Rapport Financier

TALLAHASSEE
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Tallahassee, Florida 32301
850/410-3100 * Fax 850/922-4849
Email: favaca@favaca.org



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April 5, 2001

Pan American Development Foundation - Haiti/HGRP
ATTN: Frantz Joseph, Technical Director
Delmas 31, rue Verly No. 1
Port au Prince, HAITI

Fax: (509) 246-9464

Pages: 3

Dear Mr. Joseph:

I am pleased to submit the Quarterly Report for the last quarter, 1/1/01 - 3/31/01.

Sincerely,

Dave Schmeling
Vice President

enclosure

QUARTERLY REPORT

Prepared by FAVA/CA

Submitted to PADF under Cooperative Agreement #521-A-00-99-00072-00

Hurricane Georges Reconstruction Program (HGRP)

January 1 - March 31, 2001

Accomplishments during the quarter:

HAITI ENHANCES EMERGENCY TRAINING AT THE GRASSROOTS LEVEL. As part of the PADF Hurricane Georges Recovery Program (HGRP), Jean-Sebastien Roy, Executive Director, The Centre De Developpement Des Ressources Humaines (C.D.R.H) a center for human resources development in Haiti requested FAVA/CA's assistance to continue work on the community based disaster mitigation training program for Jacmel, a coastal town in Southern Haiti. Tallahasseean **David Crisp**, an emergency planner for the Florida Division of Emergency Management traveled to Haiti January 8-13, 2001, to review the action plan CDRH has developed. Crisp also traveled to Jacmel to attend a community planning meeting and conduct "Risk Analysis" workshops with the local committee trainers.

CDRH IN HAITI RECEIVES TECHNICAL ASSISTANCE WITH ITS EMERGENCY MANAGEMENT ACTION PLAN. As part of the PADF Hurricane Georges Recovery Program (HGRP), Jean-Sebastien Roy, Executive Director, The Centre De Developpement Des Ressources Humaines (C.D.R.H) a center for human resources development in Haiti requested FAVA/CA's assistance to continue work on the community based disaster mitigation training program for Jacmel, a coastal town in Southern Haiti. On March 1-4, 2001 volunteer and emergency planner **Irene Cabral**, Tallahassee, traveled to Haiti to check progress on the action plan CDRH has developed with the help of FAVA/CA volunteer David Crisp in January. She also conducted a workshop for the local committee trainers on the four phases of emergency management as it relates to these communities.

GEOGRAPHIC INFORMATION SYSTEMS (GIS) AIDS HAITI EMERGENCY PLANNERS. As part of the PADF Hurricane Georges Recovery Program (HGRP), Jean-Sebastien Roy, Executive Director, The Centre De Developpement Des Ressources Humaines (C.D.R.H) a center for human resources development in Haiti requested FAVA/CA's assistance to continue work on the community based disaster mitigation training program for Jacmel, a coastal town in Southern Haiti. CDRH is improving the maps in their action plan to show clearly the houses in the area and the degrees of vulnerability for each house for each hazard. Volunteer-consultant **William Pollock**, senior GIS analyst with prominent Florida engineering firm Post, Buckley, Schuh and Jernigan (PBS & J) Inc. consulted in Haiti March 1-4, 2001, conducting training for CDRH staff in the use of GIS. The trainees included a geographer, a project coordinator, and a project assistant. In addition, meetings were held with a representative from the State University of Haiti, private consultants, engineering firms, and other international organizations working on a national disaster mapping project.

Planned activities for the next quarter:

April - Julie Collins, Program Manager at the Office of Safe Schools with the Florida Department of Education, will return to work with CDRH on Exercise Design, Development, and Evaluation.

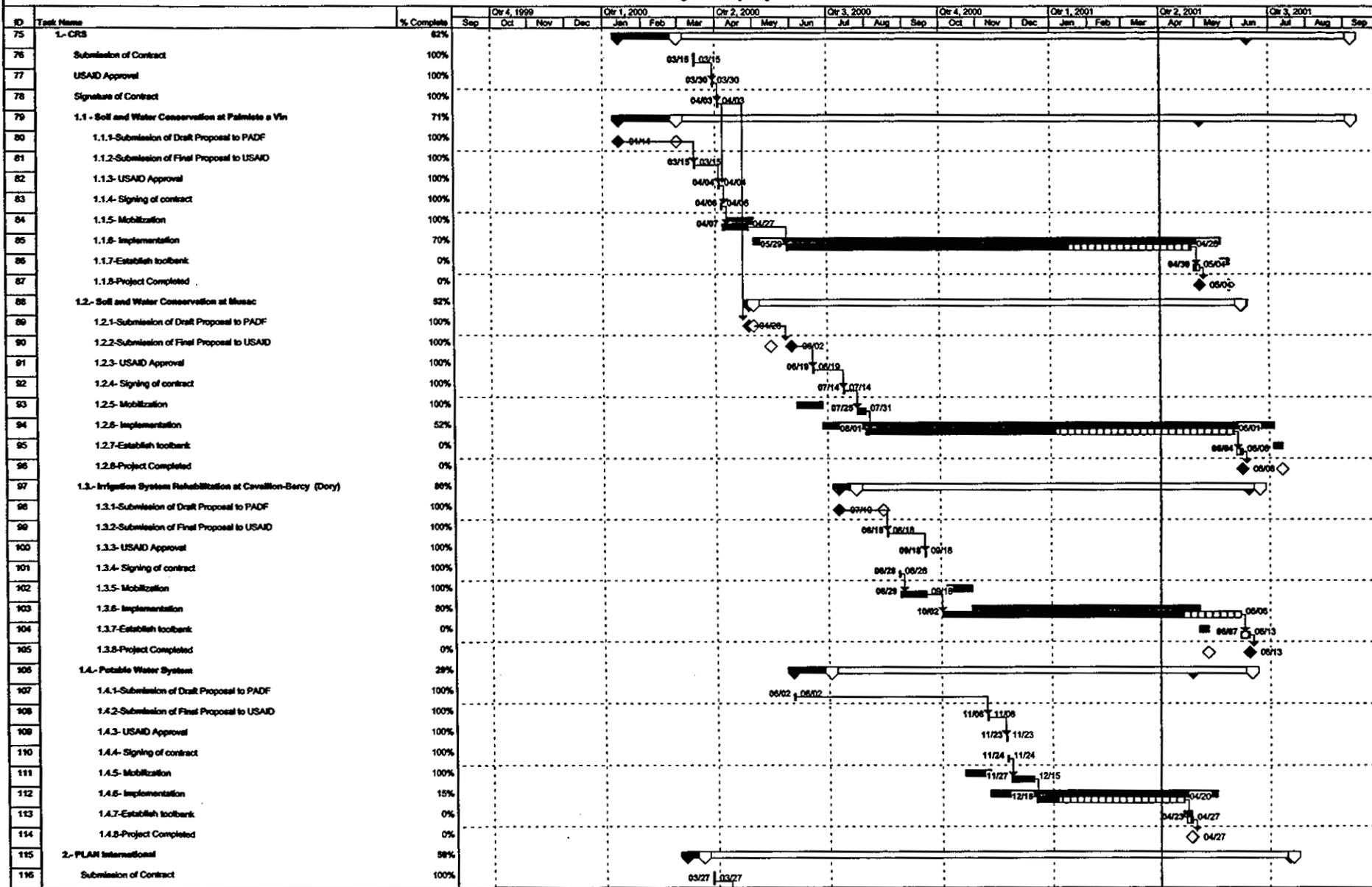
April - William Pollock, senior GIS analyst with PBS & J Inc., will return to complete the inclusion of existing and created hazard maps into local disaster plans.

May - Irene Cabral, emergency planner, will return to monitor and provide feedback on "table top" exercise in two communities.

June - Jean-Sebastien Roy, CDRH executive director, will travel to Miami to meet with the Haitian Diaspora regarding collaboration in risk mitigation and emergency disaster management.

Annex 2
Detailed Gantt Chart

Hurricane George Recovery Program



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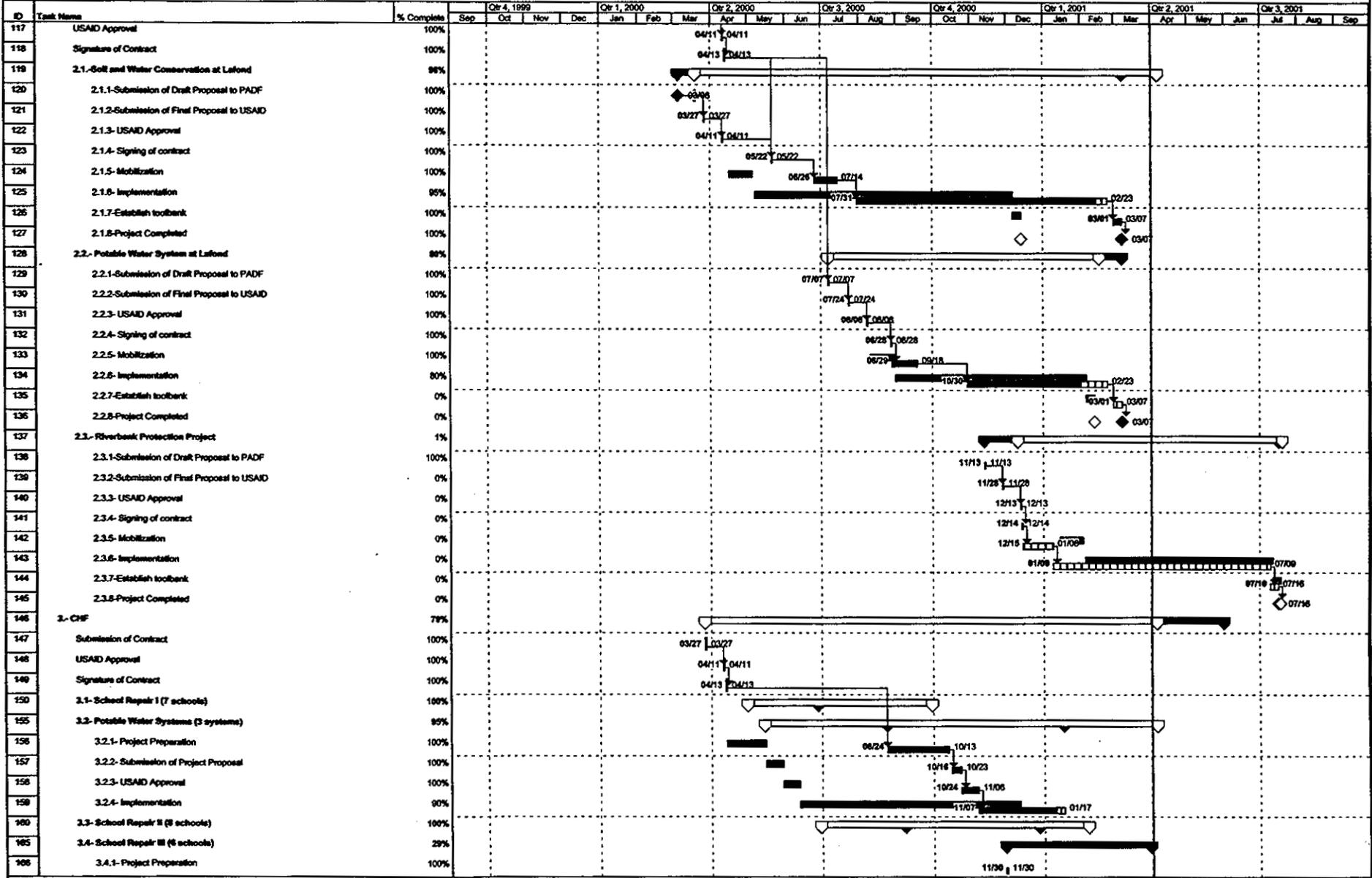
Project: HGRP
Date: Sun 04/01/01

Task	Progress	Baseline	Milestone	Baseline Milestone	Summary	Rolled Up Task	Rolled Up Milestone	Baseline Summary	Rolled Up Baseline	Rolled Up Baseline Milestone	Rolled Up Progress	Split	Baseline Split	External Tests	Project Summary

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Hurricane George Recovery Program

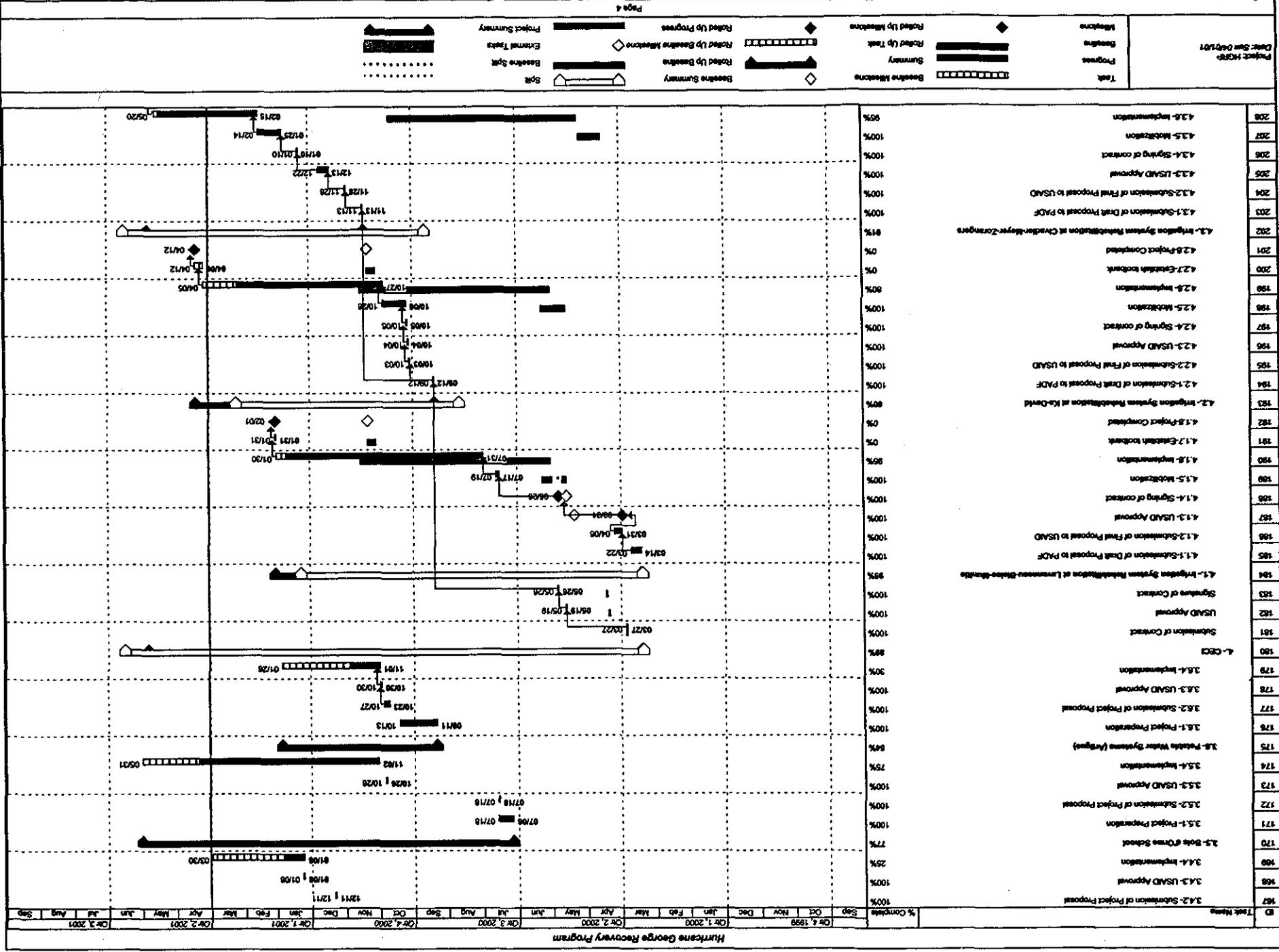


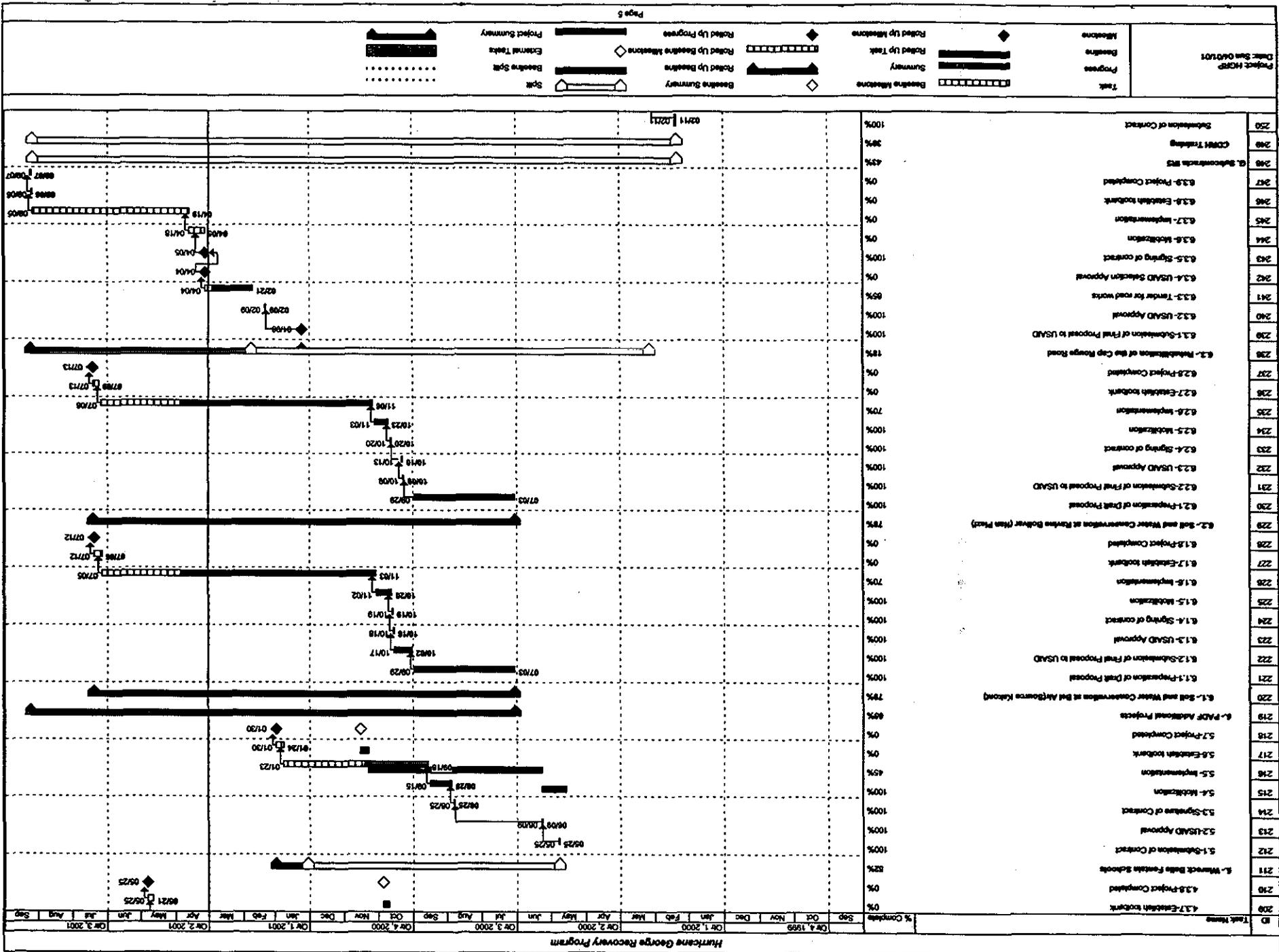
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Task	Progress	Baseline	Milestone	Baseline Milestone	Summary	Rolled Up Task	Rolled Up Milestone	Baseline Summary	Rolled Up Baseline	Rolled Up Baseline Milestone	Rolled Up Progress	Split	Baseline Split	External Tasks	Project Summary
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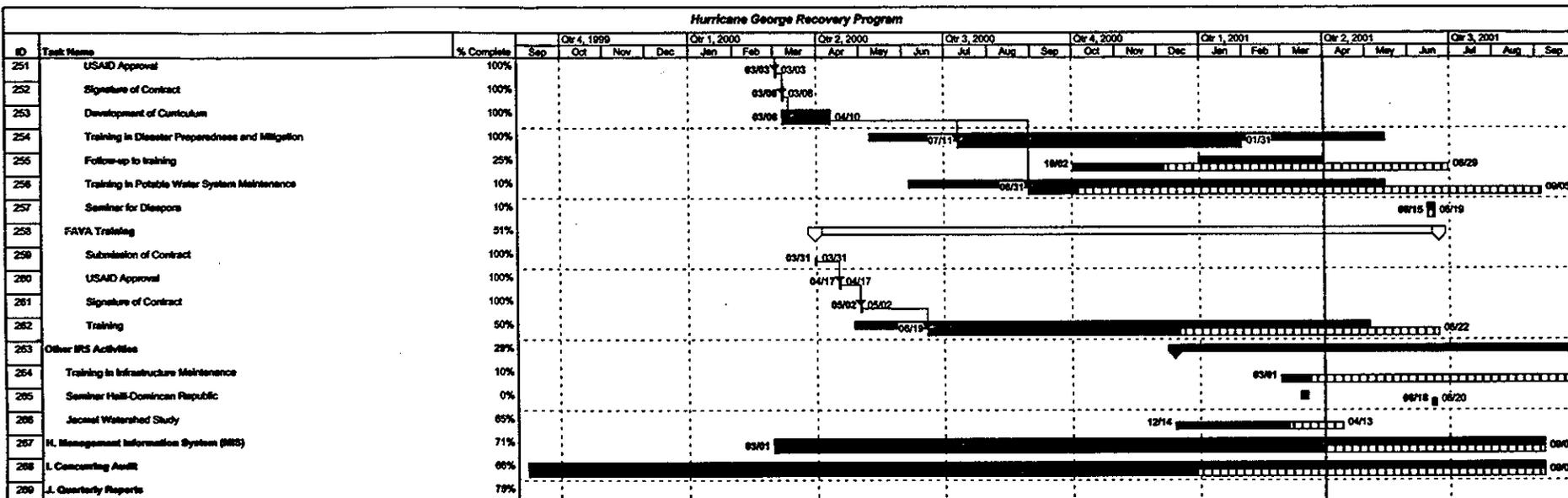
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Hurricane George Recovery Program

Hurricane George Recovery Program



Project: HGRP
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