



PD-AAT-234  
40792  
**Africare**

"L'Amélioration de la qualité de la vie en Afrique rurale  
en développant les ressources hydrauliques, la production agricole, et les services de santé."

Africare Tchad  
B. P. 689  
N'Djaména  
Tél. 30-25

Siege Administratif :  
1601 Conn. Ave., N.W.  
Washington, DC 20009  
Etats-Unis

COOPERATIVE AGREEMENT N° 677-0502-A-4103-00

PROJECT N° 689-0502-4a

PROJECT TITLE : CHAD REFUGEE REHABILITATION PROJECT

REPORTING PERIOD : NOVEMBER 1, 1985 TO JANUARY 31, 1986

ACTIVITY PROGRESS REPORT N° 8

QUARTERLY REPORT ON THE ABECHÉ RURAL DEVELOPMENT PROJECT

REPORT SUBMITTED BY : TYRONE GASTON, COUNTRY REPRESENTATIVE  
AFRICARE/CHAD

REPORT SUBMITTED ON : MARCH 25, 1986

cc : OFFICE OF DEVELOPMENT INFORMATION UTILISATION  
BUREAU FOR DEVELOPMENT SUPPORT  
AGENCY FOR INTERNATIONAL DEVELOPMENT  
WASHINGTON, D.C. 20523

TABLE OF CONTENTS

<u>SECTION</u>		<u>PAGE</u>
I	General Reference	1
II	Forestry Activities	2
	Status of Project on November 1,1985	2
	Progress During this period	2
	Analysis of constraints and Problems	4
	Status of Project January 31, 1986	5
	Projected Activities For the Coming Reporting period	5
	Meetings Held, Site Visits	6
	Appendix I	8
III	Hydrology Activities	11
	Status of Project on November 1,1985	11
	Progress During this period	11
	Analysis of Constraints and Problems	12
	Status of Project on January 31, 1986	13
	Projected Activities For Coming Reporting Period	13
	Meeting Held, Site Visits	14
IV	Administrative/logistic	
	Status of Project on November 1, 1985	14
	Progress During this Period	14
	Analysis of Constraints and Problems	15
	Status of Project on January 31,1986	15
	Projected Activities For Coming Reporting Period	15
	Meeting Held, Site Visits.	15

I - GENERAL REFERENCE

- Agency : Africare
- Activity Title : Chad Refugee Rehabilitation Project
- Country / Area of Activity : Chad, Abeche
- Activity Number:
  - . AID Project N° 698.0502. 4a
  - . Africare Project N° 2204
- AID Grant Agreement N° Cooperation Grant N° 677-0502-A-00-4013-00
- Total Value of Activity : \$ 2 904 534
- Period Covered by Last Report : August, 1, 1985 to October 31,1985
- Period Covered by this Report : November 1,1985 to January 31,1986
- Report Prepared by :

Tyrone Gaston : Country Representative  
Bill Stringfellow : Seed Distribution Specialist and  
Logistics Supervisor  
Harouna Dia : Hydraulic Engineer  
Manuela Huso : Forester Ecologist

- Report Submitted on : March 25, 1986

## II - FORESTRY ACTIVITIES

### A. STATUS OF PROJECT ON NOVEMBER 1, 1985

The Africare nursery was closed on October 31, 1985 and the materials and equipment transferred to the Water and Forest Service ( W & FS ). Seeding of fruit trees and approximately 1,000 Lucaena leucocephala had begun. Work with villagers to protect the trees with thorn branches was in progress and was expected to continue throughout the quarter. " Encouragement " in the form of food from the WFP was being given to each village at the completion of the task.

### B. PROGRESS AND ACOMPLISHMENTS DURING THE PRESENT REPORTING PERIOD

Seeding of ruit trees and some forestry species were the major emphasis of nursery work this quarter. Over 5,000 fruit trees have been seeded, primarily guavas and mangoes. The citric species had very poor germination rates resulting in a lower production of fruit trees than anticipated. General plans for nursery production were outlined with the inspector of W & FS to include :

- 7 - 10,000 fruit trees
- 7 - 8,000 exotics ( neems and Eucalyptus sp )
- 10 - 12,000 forestry trees ( Zizyphus sp.,  
Acacia spp., Balanites sp., etc. )

An India Mark II hand pump installed on one of the two wells in the W & FS nursery. It was bought through a Saudi funded wells program and installed by their technicians. Over 100 pumps of this model are being installed by the Saudi program throught the Ouaddai. Africare decided to install the same model at the nursery in order to increase the

likelihood of finding replacement parts or technicians familiar with this pump in case of breakdown. Two wind pump specialists from Africare visited the W & FS nursery and have given recommendations on appropriate wind pump for the second well. A wind pump with a manual pump option will be installed in the next quarter. A 5,000 liter cistern was mounted on pillars next to the second well in the nursery. Water will be pumped from the well into this holding tank and a system of irrigation pipes and spigots will be installed to provide running water to all parts of the nursery, thus easing the task of watering the trees and potentially increasing the production capabilities of the nursery. A test made in December 1984 calculated at least 13 m<sup>3</sup> of water available from the two wells in the nursery, more than enough to produce 60,000 trees.

The W & FS nurseries in Biltine and Adré were visited with the inspector of the W & FS in January. Africare has provided each with the necessary materials for nursery development ( wheelbarrows, watering cans, buckets, shovels, rakes, pots, etc.). There are plans to produce approximately 10,000 trees at each site : fruit trees, exotics and forestry species. The Adré nursery however, is in a very disadvantageous location and plans should be made for the fall of 1986 to transfer the nursery to a more appropriate site. The present nursery is in a large wadi and is inaccessible by car or truck during the rainy season, making the transport of seedlings very difficult and severely limiting production potentials.

Eight gum arabic agents ( one from each canton and one from the sultanate) have been appointed to work with the W & FS in the region. They will be responsible for extension work and developing the gum arabic resources in their respective areas. They will undergo one month of training at the W & FS nursery in Abéché before being assigned to their regions. The training will be supervised by the W & FS inspector with the assistance of the Africare forester. It is anticipated that the training program will begin in late March or early April

Africare continued working with the villagers around Abéché to protect their trees planted during the rainy season. Thorn branches from

dead trees were cut and carried in an Africare truck to the planting sites sometimes several kilometers away. The WFP provided food rations to each village as encouragement for their work and initiative. Village plantations at two sites ( Djaroua and Kiledji ) are being guarded by watchmen paid two sacks of wheat each per month by Africare. The villagers of Batouma and Tiré, however, have organized a rotational system among themselves whereby each villager stands guard over the trees approximately one day per month. It is hoped that a similar system will be initiated in Djaroua and Kiledji in the next quarter.

### C. ANALYSIS OF CONSTRAINTS AND PROBLEMS AND RECOMMENDATIONS PROVIDED

In December, the Abeche project was faced with certain budget constraints in that some of the budget line items had been depleted or were close to depletion. These items are essential to the functioning of the project ( eg. forestry supplies, forestry construction materials, hydrology equipment, etc.) and expenditures in these categories must continue for the project to carry on normally.

Although several line items have been depleted, others have hardly been touched. It is suggested that a general review of the budget be made at this time, and that modifications to the budget be proposed to Africare/Washington and USAID in order to accommodate the real needs of the project.

These budget constraints led to some misunderstandings with the W & FS concerning proposed undertakings by Africare. One case in particular involved the construction of a small office annex at the W & FS Inspection. Due to a lack of funds in the forestry construction materials line item, work on this building was suspended shortly after it was initiated. The W & FS have been reassured that once the budget has been reviewed and certain line items replenished, the building will be constructed as planned.

The 30 nursery laborers in the W & FS nursery are currently being paid Food - For - Work rations by the WFP. With the recent fall in the market price of food staples ( see Annex I ), however, the value of their daily wage equivalent has fallen as well. The W & FS has been faced with

problems of people quitting their jobs or putting out less effort than might be hoped for or expected. Although materially, then, the nursery is capable of supporting the production of 40 - 60,000 trees, labor management problems may limit the production this season.

#### D. STATUS OF THE PROJECT ON JANUARY 31, 1986

A hand pump and 5,000 liter holding tank have been installed at the W&FS inspection and the seeding of pots has begun. Initial visits to the W & FS nurseries in Biltine and Adré have been made and equipment and materials have been provided by Africare to these nurseries through the W & FS inspector in Abéché. Although eight gum arabic agents had been appointed, their training and subsequent assignments will not begin until next quarter. Protection of the 1985 village plantings was almost complete and will be completed early in the next quarter.

#### E. PROJECTED ACTIVITIES FOR THE COMING REPORTING PERIOD

The forester/ecologist will be leaving Abéché around the 20th of February. It is hoped that a replacement will be brought in within a very short time in order to minimize any rupture in the forestry program. On-going projects will continue and will be supervised by either Africare or W & FS staff. Support for W & FS nursery development will continue in Abéché, Biltine and Adré. The installation of the irrigation pipes and wind pump will be supervised by the Africare hydrologist if a forester is not yet assigned to Abéché. Planting in the nursery should continue into late March or early April for certain species. At that point, a general idea of nursery production for this year will have been established and plans for extension work and distribution in the different cantons can be developed.

F. Meetings Held, Site Visits, Specific Activities of U.S. Hire Staff

Nov.	1	Banatil	Site evaluation
	2	WFP	Discuss food for work available to support forestry projects : 18,000 beneficiary days
	3	Moura	Meet with chef de canton; collect mangoe seeds
	4-9	Country Rep	Visit project sites with Inspector of W & FS
	8	Sougour	Innaugurate spring developed by hydrology program
	11	Facha	Work with villagers to protect trees
	12	Batouma	Work with villagers to protect trees
		Facha	Visit gum plantation
	13	Abougoudam	Visit gum plantation
	15	Tire	Work with villagers to protect trees
	18	Tire	Work with villagers to protect trees
	21	Kiledji	Site visit
	22	Facha	Work with villagers to protect trees
	23	Kiledji	Discuss agroforestry project
	27	Facha	Site visit
		Batoum	Site visit
	29	Soumar	Work with villagers to protect trees
Dec	4	Afoul	Finish protection of trees
	6	WFS	Develop work plan for next six months
	9	Tire	Work with villagers to protect trees
	10	Kiledji	Site visit
	12	Soumar	Finished protection of trees
	16	Djaroua	Site visit, trees putting on foliage after devastation by crickets
	17	Kiledji	Work with villagers to protect trees
	19	Djaroua	Site visit, initiate watering project
	20	Facha	Work with villagers to protect trees
	23	Tiré	Work with villagers to protect trees
	24	Facha	Visit gum plantation with W & FS Inspector
		Batouma	Visit last year and this year's plantings with W & FS Inspector
	26	Abougoudam	Visit gum plantation with W & FS Inspector
		Banatil	Visit ONDR experimental field windbreak with W & FS Inspector
	27	Badine	Finish protection of trees
	28	Moura	Visit gum plantation with W & FS Inspector

Jan	3	W & FS	Draw up general plans for nursery production
	7	Batouma	Work with villagers to protect trees
	8	Biltine	Visit W & FS nursery with W & FS Inspector
	10	Tiré	Work with villagers to protect trees
	11	Djaroua	Work with villagers to protect trees
	13-15	N'Djamena	Meet with Country Rep and wind pump specialists
	17-18	USAID Food Evaluation Team	Site visits and discussions with team
	20-22	Country rep.	Discuss potentials for wind pumps in W & FS nursery in Abeche
	25	Badine	Work with villagers to protect trees
	27	Ouadi Sabar	Visit Lucaena plantation with W & FS Inspector
	31	Adré	Visit W & FS nursery W & FS Inspector

## MARKET SURVEY 1965

## STAPLES

ITEM	UNIT	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	ETC
Corn	Sack	22 000	23 500	23 500	24 500	25 000	7 500	7 500	5 500	4 000	3 000
	Koro	550	650	650	650	700	400	250	125	100	-
Millet	Sack	26 000	27 500	27 500	28 500	30 000	25 000	18 000	8 000	7 000	6 500
	Koro	650	750	780	800	850	625	450	200	175	150
Sorghum	Sack	23 000	24 000	24 000	24 500	25 000	7 500	6 000	5 000	3 550	-
	Koro	575	600	600	625	650	450	375	125	85	-
Rice	Sack	22 000	24 000	24 000	24 500	25 750	12 000	7 500	7 000	6 000	5 500
	Koro	825	950	1 050	1 050	1 100	750	500	425	325	-
Wheat	Sack	11 000	11 500	12 500	13 500	14 000	9 775	3 500	3 000	2 500	1750
	Koro	570	625	700	790	800	1 575	235	200	100	-
Camel	Live	35 000	35 000	40 000	45 000	55 000	65 500	45 000	40 000	50 000	50 000
Chicken	Live	700	900	1 000	1 000	1 300	750	850	900	1 500	1 500
Cow	Live	15 000	17 500	17 500	1 800	20 000	37 500	30 000	40 000	50 000	60 000
	Kilo	300	350	400	580	600	350	450	450	500	-
Donkey	Live	3 000	3 500	4 000	6 500	8 000	15 000	15 000	15 000	17 500	17 500
Goat	Live	2 000	2 700	3 000	3 700	4 000	5 000	5 000	5 000	5 000	5 000
	Kilo	-	-	-	-	-	-	-	-	-	-
Horse	Live	50 000	60 000	70 000	85 000	90 000	20 000	25 000	27 500	30 000	30 000
Sheep	Live	6 000	6 000	7 500	8 000	9 000	7 500	7 500	7 500	7 500	7 500
	Kilo	250/300	300/350	350	500	550	500	350	350	3 500	-
Milk	Sack	11 000	12 000	12 000	12 500	13 000	10 500	6 500	6 500	6 000	5 500
	Koro	800	850	850	880	900	1 000	350	350	325	-
Sugar	Koro	1 400	1 500	1 750	1 750	2 000	1 750	1 750	1 750	1 600	1 750
Wood(Donkey load)		700	800	800	800	850	900	600	750	700	750
(Camel load)		1 500	1 600	1 650	1 650	1 700	1 750	1 500	1 500	1 750	1 750
Char_coal(Donkey load)		500	550	600	700	800	800	800	800	800	800
Oil	Gallon	3 000	3 500	3 900	4 000	4 500	4 000	5 200	4 600	4 600	3 500
	Liter		750	870	900	1 000	1 250	1 300	1 150	1 150	-
Soap	Toilet	125	125	150	150	175	175	175	175	150	125
	Laundry	250	275	300	350	350	325	300	300	300	-
Sugar	Loaf	800	875	900	1 000	1 100	900	900	1 000	925	925
	Koro	3 000	3 250	3 500	3 700	4 000	3 750	3 750	3 750	3 750	3 750

## MARKET SURVEY 1985

## STAPLES

ITEM	UNIT	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
OKRA	SACK	19.000	19.500	21.000	23.000	25.000	22.000	18.000	17.000	16.000	15.500
	KORO	500	590	600	680	700	600	300	-	-	-
ONION	SACK	2.550	3.000	3.500	4.000	4.500	9.750	10.500	-	12.500	12.500
	KORO	100	100	120	120	120	125	250	350	400	-
SALT	SACK	35.000	35.000	38.000	38.500	40.000	45.000	50.000	-	30.000	-
	KORO	1.850	1.850	2.100	2.300	2.500	2.750	4.000	-	-	-
TOMATO	KORO	1.650	1.700	1.900	2.000	2.000	2.000	2.225	-	-	-
RED PEPPER	KORO	1.700	1.800	1.850	2.000	2.000	2.250	2.250	-	-	-
KEROSENE	LITER	300	350	400	500	500	5.000	500	400	300	300
GARLIC	SACK	19.500	19.500	20.000	21.000	21.500	25.000	27.000	3.000	34.500	45.000
	KORO	400	400	500	600	650	750	1.100	-	-	-
STP MATERIAL	6 YDS	3.300	3.300	3.500	3.750	3.750	3.250	3.500	3.500	3.500	3.500

CONSTRUCTION EQUIPMENT MARKET SURVEY 1985

ITEM	UNIT	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 x 12 plante	6 m	8.000	8.000	8.000	8.000	8.000	8.500	-	8.500	8.500	7.500
4 x 4 board	6 m	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000
2 x 4 board	6 m	2.500	2.500	2.500	2.500	2.500	3.000	3.000	3.000	3.000	3.000
	sheet	4.000	4.500	4.500	4.500	5.000	6.000	6.000	6.500	4.000	4.000
Corrugated Roofing	6 m										
Cement	50 kg	7.500	7.500	7.500	7.500	7.500	8.000	-	-	7.500	7.000
Nails	1 kg	900	900	900	900	900	9.000	900	900	900	900
6 mm Rebar	6 m	1.500	1.750	1.750	1.750	1.750	18.000	18.000	-	2.500	2.500
8 mm Rebar	6 m	1.750	2.000	2.000	2.000	2.000	2.500	2.500	-	3.000	3.000
12 mm Rebar	6 m	3.500	3.500	3.500	3.500	3.500	3.500	3.500	-	3.500	3.500
Mud Bricks	1,000	2.500	3,000	5,000	7,000	8,000	-	-	-	5,000	5,000
Baked bricks	1,000	12.500	12.500	12.500	12.500	12.500	12.500	12.500	12.500	12.500	12.500
Donkey water	5 ml	125	150/175	300/350	300/350	250	125/150	125/150	125	150	150/175

ANNEX I

### III - HYDROLOGY ACTIVITIES

#### A. STATUT OF THE PROJECT ON NOVEMBER 1, 1986

Maintenance and repair continued to be the principal activities at Dougouri. The Spring-box, along with its distribution, system were completed and are 100 % operational. Vegetable gardening activities at Sougouri-Mandourma were carried under the supervision of ONDR. Atilo and Aboundoura dam designs were in progress.

#### B. PROGRESS AND ACCOMPLISHMENTS DURING THE PRESENT REPORTING PERIOD

- 1) Dougouri : Repair and maintenance activities were carried out by 60 workers paid by Food For Work. Rocks, used to protect the dam's embankment from erosion, were transported to this site by one of Africare's dump trucks. Presently, the Dougouri reservoir still holds water which is used for both village water supply and livestock watering. Additionally, 40 workers are paid by Food For Work to gather gravel to be used in future construction; consequently this reduces the material cost of building dams.
- 2) Sougour-Madourma : On November 7 the inauguration of the official opening of the Sougour-Madourma spring took place. As expected this day proved to be a memorial event in Abeche for more than 200 persons, including local government officials traditional authorities and local PVO'S attended the ceremony. During the presentation Africare's Country Representative presented the spring box protection key to the prefet of the Ouaddai and stated that Africare's main objective at the spring had been made possible through the Abeche Rural Development Project financed by USAID.

By building a storage and distribution system, Africare has made water available for either gardening domestic use or livestock. The spring produces 20,000 liters per day.

3) Aboundoura : Preperation to began construction at this site was 80 % completed. 682 cubic meters of rock were delivered to Aboundoura involving 2903 person day labor. Villagers, themselves, have been paticipating in rock transport, loading and unloading Africare trucks and performing other non-skilled labor, without pay. However the world Food programme has donated food to support this activity. Food distribution is used to guarante village participation and interest as whole unit and does not seek to reward individuals for their efforts. These rocks will be used to construct the fill part of dam construction. Also 40 cubic meter of gravel were transport to the dam site. Additionally, villagers have completed a shelter/storage shed for equipment. Aboundoura dam design is completed and some of the construction materials have been delivered to the site - cement, planks, nails, wire and other small tools needed to construct forms for pouring cement. Reinforcing bars along with the cement mixer and vibrator have not yet arrived in Abeche.

AID formally approved the project reorientation proposal and modifier the Cooperative Agreement to reflect those changes. Moreover, this activity was extended for one additional year; making the project's completion date July 1987.

#### C. ANALYSIS OF CONSTRAINTS, PROBLEMS AND RECOMMENDATIONS

Although Africare planned to build three dams before the rainy season - June - began, it is questionable whether this can be accomplished. Delays in material procurement and delivery to Abeche have subsequently caused delays in construction start-up. Nonetheless every effort has been undertaken to assure that the remaining construction be delivered to Abeche as quickly as possible. Consequently the number of dams that may be completed will depend on the timely arrival of those materials.

D. STATUS OF PROJECT ON JANUARY 31, 1986 .

Repair and maintenance activities at the Dougouri resevoir continue to be routinely carried out by 60 worker paid by Food For Work. Sougour - Madourma water distribution system is operational with 20,000 liter per day produced by this spring.

Aboundourma dam design is completed; rocks, gravel, sand cement, planks and other construction materials have been transported to the site. Africare is still awaiting the delivery of other needed material so that forms may be built for pouring concrete. Delays in the arrival of reinforcing bars, and the cement mixer has brought construction to a stanstill.

E. PROJECTED ACTIVITIES FOR THE COMING PERIOD

- 1) Dougouri : Routine maintenance and repair will be carried out at this resevoir - reinforcing the dams embankment Food For Work will continue to be used as the mechanism for accomplishing these task.
- 2) Aboundoura : As soon as the remaining materials are delivered to the site, construction will immediately began. A Mason/Charpenter will be contracted to built the forms using reinforcing bars so that cement may be poured quickly. Villagers will continue providing non-skilled labor and it is anticipated that Aboundoura dam construction will be completed during this reporting period.
- 3) Were : Dam design and topographic surveys will be carried out during this period, for as soon as Aboundoura's construction is completed Were should began.

#### F. MEETINGS HELD AND SITE VISITS

- November 23 - The Africare Hydraulic Engineer met with AID'S Engineer, Igbal Chaudhry to discuss the project dam design.
- Aboundoura, Dougouri and the spring have been intermittently visited by the Hydraulic Engineer throughout the quarter.

#### IV - ADMINISTRATIVE/LOGISTIC

##### A. STATUS OF PROJECT ON NOVEMBER 1, 1985

The installation of the two base-station radio units (N'Djamena and Abeche ) along with the purchase of materials for phase II hydrology activities were pending. An official request to modify the Cooperative Agreement was submitted to AID.

##### B. PROGRESS AND ACCOMPLISHMENTS DURING THE PRESENT PERIOD

The Country Representative supervised the installation of both radio units. Communication between N'Djamena and Abeche was greatly facilitated.

On December 3 AID officially informed Africare that the modification to the Cooperative Agreement had been approved. We could begin ordering needed equipment and construction materials. As for the materials necessary for the construction of the dam at Aboundoura, orders were made for a cement mixer, vibrator, reinforcing bars for the concrete, cement, wood and the required masonry tools.

One of Africare's light vehicles which had been out of commission for over a month, was brought to N'Djamena from Abeche where it was repaired by one of the World Food Program mechanics. In addition, another light vehicle was sent to Abeche, bringing the total there to four. This was necessary so that the hydrology team could split up and work at several site at the same time.

C. ANALYSIS OF CONTRAINTS/PROBLEMS AND RECOMMANDATIONS PROVIDED

There were delays in the delivery of the cement mixer, vibrator and the reinforcing bars. Given the required preliminary mason work, the delay in arrival of the reinforcing bars subsequently caused delays in construction start-up.

The impending departure of Africare's forester, assigned to Abeche was scheduled for February 23, 1986; as a result, this was certain severely limit the project's forestry activities for an undetermined length of time - until a replacement can be found.

D. SUMMARY OF PROJECT STATUS AN JANUARY 31, 1986

Africare's Engineer was awaiting the delivery of the reinforcing bars so that preliminary masonry could began. A local Mason had been identified in Abeche and contract negotiations were in progress. The Cooperative Agreement has been officially approved.

E. PROJECTED ACTIVITIES FOR THE COMING REPORTING PERIOD

Construction work at Aboundoura will began as soon as the reinforcing bars are delivered to Abeche.

Recruitment of a forester by Africare/Washington prepare for the arrival of a four person design team that will elaborate a follow-up proposal to the Abeche Rural Development Project.

F. MEETINGS HELD, SITE VISITS, SPECIFIC ACTIVITIES OF U.S. HIRE STAFF

November 6 - 9

- Country Rep. to Abeche to install radio and participate in spring box inauguration.
- Rep met with Director General of Cooperation and Foreign Affairs to discuss ORT accord.

- 12 - Rep. met John Wood, Loel Callahan to discuss ORT Project.
- 13 - Rep. met D.G. of Health and Health liaison officer to discuss ORT Project.
- 14 - Rep. met Health Officer, Callahan to discuss ORT project.
- Nov 15 - Rep. participate in committee meeting with D.G of Heath, UNICEF, AID, MSF,PEV, BELAC and Red cross to discuss ORT.
- 18 - Rep. met with Dia and Chaudry, AID'S engineer to discuss dam design of orientated 2204 hydrological activities.
- 23 - Rep. met with Walter Rockwood and PVO liaison officer, Les McBride to discuss alley cropping.
- 26 - Rep. met with ONDR to discuss future Africare projects in the Ouaddaï  
- Rep met with Minister of Health to discuss ORT and Hospital Equipment for N'Djamena Central Hospital.
- 27 - Installed Radio at N'Djamena office
- Dec 3 - Rep. met with Deedee Blane and Larry Harmes, AID Agriculture Officer to discuss PVO Development Initiative Project.
- 5 - Rep met with Loel Callahan to discuss ORT development.

- Dec. 8 - Gossingar depart for ORT Conference in Washington D.C.
- 9 - Rep. met with D.G. Agriculture to discuss future Africare activities.
- 10 - Rep. to Yaoundé to meet Mr. Robert Wilson, Regional Development Officer/Africare.
- 11 - Rep. met with AID Rep Cameroun
- 15 - Rep. return from Yaoundé.
- 18 - Rep met with AID Heath Officer and UNDP Coordinator for child survival project.
- 19 - Rep. met with Dr. Randriamanana of OMS to discuss child survival survey.
- 20 - Rep. accompany Deedee Blane and AID TDY personnel to Miskine - VGA.
- 22 - Rep. met with PEV Coodinator to discuss child survival survey.
- Jan 3 - Site visit Mandjafa to determine possible project for USA For Africa submission.
- 9 - Site visit Maflao
- 15 - Site visit to Miskine to install windpump.
- 16 - Rep. met with UNDP, AID'S Heath Officer to discuss child survival survey.
- 17-19 - Site visit to Miskine to install windpump
- 23 - Rep. to Abeche with windpump specialist.
- 24 - Rep. returned to N'Djamena.

- 25 - Rep. met with Deedee Blane and Larry Harnes to discuss submission under PVO Development Initiative Project.
- 27 - Rep. met with the prefet of the Ouaddaï to discuss Africare activities in Abche.
- 29 - Rep. met with Deedee Blane to discuss design team and their coming arrival in Chad.