

SUDAN: FLOODS

appeal no. 21/99

period covered: August, 1999 - July, 2000

*28 November,
2001*

Summary

Unusually early and heavy rains resulted in severe flooding in eight states in Sudan, causing 36 deaths. The states affected were Khartoum, River Nile, Sinnar, Gezira, Northern state, Red Sea, Kassala and North Kordofan states. More than 20,000 houses were damaged or destroyed, leaving approximately 100,000 individuals in need of assistance. Water borne diseases and malaria were rife in all the affected states.

The Sudanese Red Crescent Society (SRCS), supported by the Federation, initially intervened using available stockpiles to control the situation. However the magnitude of the disaster was much greater than expected and therefore an appeal was launched to provide medicines, food and shelter to the victims. The appeal sought CHF 1,216,000 for the following relief needs: 15,000 tarpaulins, 30,000 blankets and 20,000 jerrycans, 15 cholera kits, New Emergency Health Kits (NEHKs), supplementary drugs, 2,500 litres of fenitrihion spray and 1,500 litres of abate spray as well as the cost associated with capital equipment, transport, personnel and administration.

The appeal budget was later revised as a result of the late arrival of funds and transport constraints. The quantities of blankets, tarpaulins and chemicals were reduced, and the available funds were used to purchase supplementary drugs (in-country) and a field vehicle. The plan of action to achieve these objectives was divided into two phases:

- first, to provide priority needs for the victims and to counter act the spread of water borne and infectious diseases;
- second, to support efforts to improve co-ordination of planned assistance, mobilise and train volunteers, provide beneficiaries with emergency supplies and monitor ongoing operations and initiate disaster response as required.

Objectives, Achievements & Constraints

Following are the achievements and constraints of the operation:

Objective 1 To assist the most vulnerable victims in the eight affected states by providing shelter, malaria prevention and medical supplies.

Achievements: The SRCS and the Federation were able to provide tarpaulins and blankets to all states as well as fenitrihion/abate spray, cholera kits, and new emergency health kits. Although in-kind

donations of blankets arrived late in the operation they proved to be useful during the winter season where some beneficiaries were still without shelter. Not all states were affected by the disaster to the same degree or at the same time and therefore the needs of the beneficiaries varied between the states. Gezira state, Khartoum state and Northern state were the hardest hit. See Annex 1 for details of quantities on non-food relief and medical relief received by each state.

Constraints: Late pledges and budget approvals caused delays in the procurement of goods. The SRCS and Federation were faced with logistical problems resulting in the late arrival of relief items to the beneficiaries - this was a major setback in the initial intervention phase.

Objective 2 To prevent the expected increase of morbidity and mortality of major child killers.

Achievements: Both preventative and curative measures took place in all the states. The most common child killers are acute respiratory infections, diarrhoea and malaria. Mobile clinics were established in most of the affected states (drug supplies permitting). 7 cholera kits, 5 NEHKs and supplementary drugs were distributed between the states. In-country supplies assisted in the swift provision of supplementary drugs once funds were secured.

Constraints: The late arrival of kits made it very difficult to control the outbreak of infectious diseases. It was not possible to set up the planned number of mobile clinics since the funds available were insufficient to purchase the necessary quantity of drugs to cover all states. By the time insecticides had reached the country the stagnant pools of water had dried out making the need somewhat redundant. It proved difficult to accurately measure the increase/decrease of morbidity and mortality rates due to the short length of the operation.

Objective 3 To build the capacities of SRCS staff and volunteers in responding efficiently to floods and other recurrent disaster situations.

Achievements: Volunteers in all the flood affected states were mobilised quickly, proving the effectiveness of previous DPP training workshops. The SRCS and the Federation organised a three day needs assessment and reporting workshop with 35 participants from all the flood affected states. Assistance was provided by the Regional Relief Co-ordinator based in Nairobi. Attempts were made to



develop skills in both report writing and needs assessment techniques. The SRCS had a well co-ordinated approach to the disaster and worked efficiently with other organisations involved, resulting in UNICEF, INGOs and state government bodies channelled their assistance through the SRCS.

Constraints: Even though several smaller contributions arrived soon after the launch of the appeal, other major contributions were either late or earmarked. The SRCS's capacity to intervene in the initial stages of the operation were considerably hampered. Logistic and operational capabilities are of critical importance to emergencies, and ensuring that these functions were adequately organised to effective

standards needs further assessment and emphasis. The capacities of the headquarters team were also severely stretched due to the involvement of eight states in the operation.

Conclusion

The floods seriously affected other programmes such as malaria control, disaster preparedness, and the water distribution programme in the displaced camps around Khartoum, and the Federation reallocated funds to support these activities. During the same period, a deteriorating situation in the Kassala camps also required additional support and a reallocation of funds.

This operation has demonstrated needs which later were highlighted in the report produced by the joint assessment mission which took place in Khartoum¹. The incident of the floods in different states at different times proved that there is an obvious need to have flood risk maps and early warning systems in place. Uniform assessment mechanisms, methodologies and reporting formats are crucial to avoid conflicting results by different organisations working on the same disaster. Community coping strategies need to be further researched and incorporated into the DPP programme so that populations are prepared to adequately deal with disasters pending the arrival of international support and essential relief supplies. Although there has been good co-ordination between various organisations involved in the operation, proactive agency planning before the start of the season can further be developed.

It is evident that the availability of stock piles at the National Society warehouse was crucial for an early and effective intervention. Management and reporting skills need to be further developed prior to disasters so as to ensure that the volunteers and those working with the victims are well equipped at times of emergency. The obstacles faced were far from proportional to the size of the operation, and demonstrated the importance for in country-based donor representatives to be able to decide on and allocate donations at short notice.

A number of donations towards this appeal were reallocations from previous emergency appeals. In the end some of these funds remained unused and the Federation acknowledges the agreement of certain donors to transfer the remaining funds to other activities in Sudan to enable the accounts to be closed.

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<http://www.ifrc.org>

¹ Urbanisation and Urban Disasters in Africa: the Case of the Seasonal Floods in the Greater Khartoum: SRCS, IFRC, UNDP joint assessment mission, 4th December 1999.

Annex 1 SRCS Assistance to Flood Victims - Distribution Table

Date	State	Location	Item	Quantity	Source ²
04.08.99	Khartoum	Umbada	Blankets	4'400	DPP stock
			Blankets	1'500	German Red Cross
			Tarpaulins	1'500	German Red Cross
			20 ltr jerrycans	4'400	DPP stock
			Medicaments	3,500 CHF worth	local procurement
			NEHK	1	Appeal budget
			Cholera kit	1	Appeal budget
10.08.99	Gezira	Wad Mahmoud, Saraf, rural Managil hospital & 6 clinics in 2 provinces	Blankets	1'700	DPP stock
			Blankets	2'500	German Red Cross
			Tarpaulins ³	3'000	German Red Cross
			20 ltr jerrycans	1'700	DPP stock
			Medicaments	4,850 CHF worth	local procurement
			Cholera kits	2	Netherland Red Cross
			NEHK	1	Netherland Red Cross
10.08.99	Sinnar	Dinder	Blankets	200	DPP stock
			Tarpaulins	784	German Red Cross
			20 ltr jerrycans	200	DPP stock
10.08.99	N.Kordofan	Sodari & Shiekan	Blankets	1'100	DPP stock
			20 ltr jerrycans	1'100	DPP stock
16.08.99 13-20.9.99 3-7.10.99	Northern	Ahjat Banat	Blankets	8'000	Appeal - 5400 DPP stock- 600 ICRC - 2000
			Plastic sheeting	2'000	ICRC
			Tents	230	UAE Red Crescent
			Kitchen utensils	550	ICRC
			20 ltr jerrycans	1'500	DPP stock/ICRC
			Medicaments	49,000 CHF worth	Appeal/local purchase
			Cholera kit	1	Italian DREF
NEHK	1	Appeal budget			
22.08.99	River Nile	Alshiekh Altayeb, Alhudi Alsalama	Blankets	2'550	DPP stock
			Tarpaulins	781	German Red Cross
			20 ltr jerrycans	2'550	DPP stock
			Medicaments	7,700 CHF worth	UNICEF
05.10.99	White Nile	El Diwem, El Rwat, Juda	Blankets	486	Appeal budget
			Blankets	1'000	German Red Cross
			Tarpaulins	784	German Red Cross
			Cholera kit	1	Italian DREF
			NEHK	1	Appeal Budget
	El Gadaref	El Rahad	Blankets	460	German Red Cross
			Tarpaulins	480	German Red Cross
	Blue Nile	Dalbal, Adamia, Deraj, Wad Abouk IDP camp	Tarpaulins	540	German Red Cross
	S. Kordofan	Kadogli	Blankets	2'460	German Red Cross
			Tarpaulins	936	German Red Cross

² All German Red Cross donations were distributed in December 1999

³ All German Red Cross tarpaulins were purchased in-country as overseas supplier contract had to be cancelled due to logistical complications

INTERNATIONAL FEDERATION OF RC AND RC SOCIETIES					
				Interim report	
				Annual report	
				Final report	
				X	
Appeal No & title: 21/1999 Sudan floods					
Period: year 1999, 2000, 2001					
Project(s): PSD527					
Currency: CHF					
I - CONSOLIDATED RESPONSE TO APPEAL					
FUNDING	CASH		KIND & SERVICES		TOTAL INCOME
	Contributions	Reallocations	Goods/Services	Personnel	
Appeal budget	1'216'000				
less					
Cash brought forward					
TOTAL ASSISTANCE SOUGHT	1'216'000				
<u>Contributions from Donors</u>					
Austrian RC (DNAT)	48'415				48'415
British RC (DNGB)	49'182				49'182
Canadian RC (DNCA)	17'711				17'711
Danish RC (DNDC)	42'969				42'969
Finnish RC (DNFI)	53'871				53'871
German RC (DNDE)	126'924				126'924
Netherlands Govt (DGNL)	55'731				55'731
Norwegian Govt. via Norwegian Red Cro (DGNRO)	95'631				95'631
Norwegian RC (DNNO)	10'626				10'626
Swedish Govt. via Swedish RC (DGNSE)	74'400				74'400
Turkish RC (DNTR)	5'000				5'000
United States - Private Donors (DPUS)	153				153
Austrian RC (DNAT)		-48'415			-48'415
British RC (DNGB)		-49'182			-49'182
Danish RC (DNDC)		42'861			42'861
American RC (DNUS)		17'333			17'333
American RC (DNUS)		33'300			33'300
Finnish RC (DNFI)		-50'000			-50'000
Irish Govt (DGIE)		-101'460			-101'460
Irish Govt (DGIE)		101'705			101'705
Italian Govt (DGIT)		127'000			127'000
Japanese RC (DNJP)		1'354			1'354
Monaco RC (DNMC)		-2'367			-2'367
Monaco RC (DNMC)		9'748			9'748
Norwegian Govt. via Norwegian Red Cro (DGNNO)		-55'000			-55'000
Swedish Govt. via Swedish RC (DGNSE)		-55'000			-55'000
UNITED ARAB EMIRATES - RC			61'755		61'755
IRAN - RC			36'600		36'600
<u>Outstanding pledges</u>					
TOTAL	580'611	-28'123	98'355		649'489
Coverage	47.7%	-2.3%	8.1%		53.4%
II - Balance of funds					
				Opening balance	
				CASH INCOME Rcv'd	
			552'489		
				CASH EXPENDITURE	
			-552'489		
				CASH BALANCE	

Appeal No & title: 21/1999 Sudan floods						
Period: year 1999, 2000, 2001						
Project(s): PSD527						
Currency: CHF						
III - Budget analysis / Breakdown of expenditures						
Description	Appeal Budget	CASH Expenditures	KIND & SERVICES		TOTAL	Variance
			Goods/services	Personnel	Expenditures	
SUPPLIES						
Shelter & Construction	195'000	133'846			133'846	61'154
Clothing & Textiles	150'000		98'355		98'355	51'645
Food/Seeds						
Water		23'250			23'250	-23'250
Medical & First Aid	454'000	101'963			101'963	352'037
Teaching materials						
Utensils & Tools	60'000					60'000
Other relief supplies		26'720			26'720	-26'720
Sub-Total	859'000	285'779	98'355		384'134	474'866
CAPITAL EXPENSES						
Land & Buildings						
Vehicles	30'000	32'871			32'871	-2'871
Computers & Telecom equip.	21'000	11'084			11'084	9'916
Medical equipment						
Other capital expenditures						
Sub-Total	51'000	43'955			43'955	7'045
TRANSPORT & STORAGE	80'000	117'246			117'246	-37'246
Sub-Total	80'000	117'246			117'246	-37'246
PERSONNEL						
Personnel (delegates)	46'000	4'075			4'075	41'925
Personnel (local staff)	83'000	65'818			65'818	17'182
Training						
Sub-Total	129'000	69'893			69'893	59'107
GENERAL & ADMINISTRATION						
Assessment/Monitoring/experts	10'000	11'324			11'324	-1'324
Travel & related expenses		814			814	-814
Information expenses	5'000	1'801			1'801	3'199
Administrative expenses	25'000	14'767			14'767	10'233
External workshops & Seminars						
Sub-Total	40'000	28'706			28'706	11'294
PROGRAMME SUPPORT	57'000	6'909			6'909	50'091
OPERATIONAL PROVISIONS						
Transfer to National Societies						
TOTAL BUDGET	1'216'000	552'489	98'355		650'844	565'156
Consumption rate:	Expenditures versus income		100%			
	Expenditures versus budget		54%			

SUDAN - FLOODS						ANNEX 1
APPEAL No. 21/99		PLEDGES RECEIVED			27.03.2001	
DONOR	CATEGORY	QUANTITY	UNIT	VALUE CHF	DATE	COMMENT
CASH						
REQUESTED IN APPEAL----->				1'216'000	25.08.1999	79.15%
AUSTRIA - RC		29988	EUR	48'415	05.11.1999	
BRITISH - RC		20103	GBP	48'649	14.09.1999	Emergency flight costs
CANADA - RC		17353	CAD	17'509	24/09/99	
DANISH - RC		200000	DKK	43'000	09.09.1999	
FINISH - RC		200000	FIM	53'800	29.09.1999	
GERMAN - RC/GOVT		199000	DEM	162'762	02.09.1999	Cash for kind
GERMAN - RC		84000	USD	126'924	31.12.1999	
ITALY - GOVT				127'000	01.12.1999	Italian DREF
NETHERLANDS - GOVT		35400	USD	53'047	29.09.1999	
NORWAY - RC		53937	NOK	10'512	12.11.1999	
NORWAY - GOVT		485437	NOK	94'610	12.11.1999	
SWEDISH - RC/GOVT		400000	SEK	72'760	03.09.1999	
TURKEY - RC				5'000	15.10.1999	
UNITED STATES - PRIVATE				100	18.10.1999	
SUB/TOTAL RECEIVED IN CASH				864'088	CHF	71.06%
KIND AND SERVICES (INCL. PERSONNEL)						
DONOR	CATEGORY	QUANTITY	UNIT	VALUE CHF	DATE	COMMENT
UNITED ARAB EMIRATES - RC				61'755	29/09/99	BLANKETS
IRAN - RC		24000	USD	36'600	06.10.1999	BLANKETS
SUB/TOTAL RECEIVED IN KIND/SERVICES				98'355	CHF	8.09%
ADDITIONAL TO APPEAL BUDGET						
DONOR	CATEGORY	QUANTITY	UNIT	VALUE CHF	DATE	COMMENT
SAUDI ARABIA - RC		1165750	SAR	532'252	29.09.99	100 TONS RELIEF MATERIAL
UNITED ARAB EMIRATES - RC				249'000	29/09/99	TENTS/CLOTHING
IRAN - RC		58000	USD	88'450	06.10.1999	TENTSMATS
SUB/TOTAL RECEIVED				869'702	CHF	

