

LCB/96/Relief
-SOA

UNITED NATIONS



DEVELOPMENT PROGRAMME

Rapid Damage Assessment

Resulting from
military operation
in the South

April 1996

الجُمهُورِيَّةُ الْلَّبَنَانِيَّةُ

مَكْتَبُ وَزِيرِ الدَّوْلَةِ لِشُؤُونِ التَّسْمِيَّةِ الإِدَارِيَّةِ
مَرْكَزُ مُشَارِيعٍ وَدَرَاسَاتِ القَطَاعِ الْعَامِ

Prepared by
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2 MAY 1996

Executive Summary

A rapid change in program modalities from emergency response to transition support and, simultaneously, reconstruction and recovery activities began as soon as the cease-fire was declared on April 27th. Gears were shifted to plan an immediate three-pronged plan of action:

1. The re-direction of the humanitarian assistance efforts to support the immediate return of the displaced & to satisfy their basic needs.
2. The organization of a rapid damage assessment (one day).
3. Formulation of a comprehensive reconstruction and recovery program for the affected areas while undertaking immediate repairs to key services and utilities.

The government and its military arm facilitated the quick and immediate return of the displaced, and the rapid restoration of key services and utilities. UNDP mobilized resources available under the Ai'doun program with UNICEF - Beirut office to undertake a one-day rapid damage assessment of the areas affected by the military operations.

Rapid Damage Assessment

The **objective** of the rapid damage assessment was to establish the level and extent of damages inflicted on the ground , by obtaining numbers of existing establishments and services provided before and after the military operations and percentage destruction } of each unit to assess whether damages are minor, moderate or severe.

1. Public social services establishments

- hospitals
- dispensaries and clinics
- schools
- public administrative establishments
- religious establishments

/2. The physical infrastructure

- source and distribution of electricity (feeding station and network)
- source and distribution of water (reservoirs, artesian wells and water network)
- telecommunication (telephone network)
- transportation (roads and bridges)

3. Economic establishments

- handicrafts and manufacturing
- commercial stores and storage
- agriculture & animal husbandry
- passenger and agricultural vehicles

4. Housing

In addition, listings of active NGOs, local community committees and informal civic action groups were gathered.

Methodology

The rapid damage assessment questionnaire was prepared to obtain village specific information including:

- mapping and population size: village name, administrative location within a caza and Mohafazat, and population size;
- extent of damages: obtained by comparing before and after figures (April 11 and April 27) on establishments active/inactive, types of utility services (provided/not provided) and extent of damage.

A team of 80 individuals, mobilized through UNDP's Ai'doun Program, UNICEF - Beirut office conducted on April 29th a rapid assessment exercise, through focus group and key informants interviews and site visits for verification. Almost all affected locations were visited totalling 159.

Observations

The South and West Beqaa witnessed similar events in the summer of 1993. However, when comparing the recent events with those of 1993, there are salient differences.

In 1996, before the massive military operations, the general mood and efforts were to normalize life throughout the country, reconstruction & re-activation of economic activities throughout the country. The military operations brought back psychological flashback. There was a return of death & destruction as has been the case during the 17 years of war. The massive outflux of 400,000 people from the affected areas re-affected not only the displaced, but the whole country. This entailed the redistribution of population, resources, and human energy. The media brought the images of civilian casualties not only to the homes of the Lebanese but to the whole world. Political and civilian reactions, whether locally and internationally, were intensely activated in responding to the human dimensions of the crisis.

On the local level, uncertainty about the military operations, in terms of its goals, strategic significance, duration and extent of damage, traumatized the displaced, though the nation as a whole came together in an unprecedented spirit of solidarity.

In April 1996, the Geneva conventions were violated. Vital economic establishments and scores of dwellings & other private property were either destroyed or damaged.

There were attempts to isolate the South throughout the 16 days of military operations.

With the closure of schools from April 11 to May 2, all students in Lebanon are affected. Some students may not be able to complete this academic year as a number of school buildings in the affected areas have been destroyed or badly damaged.

Findings

An emergency response effort was launched immediately after the first wave of the displacement. The government quickly mobilized its instruments to secure shelter and basic survival needs by converting public schools throughout the country into collective centers. At the request of the government the UN issued an emergency appeal to obtain needed resources from abroad. This appeal has received a most positive response.

Following the cease fire, there was an uninterrupted stream of returning displaced to their towns & village. This was facilitated by group repatriation. Basic repairs to roads and utilities began on the first day of return.

The reports indicates that out of the 159 locations surveyed (villages, towns and cities), 17 locations were severe affected and 52 locations moderate affected while 51 were slight affected. In addition 39 locations were not affected by any military operations.

In terms of extent of damage, Tyre caza suffered the most in damages followed by Nabatiye and to a lesser extent Bint Jbeil. The charts attached to the report provide detailed data per village, caza and Mohafazat.

The following provides a quick overview of extent of damage.

HOUSING	Total pre-events	Total Affected	DAMAGES	DAMAGES	DAMAGES
			Severe	Moderate	Slight
Number	80700	7845	395	1168	6282
%		10%	6	16	87

Depending on the village and the intensity of military operations slight damaged homes included shattered glass, minor destruction to windows, doors, and fencing. Totally destroyed houses are seen as collapsed structures. Moderate damaged are those with destroyed walls, balconies, roofs etc. The quick assessment does not capture non-visible structural damages like cracks.

HEALTH	Total pre-events	Total Affected	DAMAGE S	DAMAGE S	DAMAGE S
			Severe	Moderate	Slight
Hospitals #	16	1	0	1	0
%		6	0	100	0
Dispensaries #	102	19	1	1	19
%			5	5	90

Only 1 hospital in Nabatiye was moderate affected. The extent of damage to dispensaries is slight above 18% of all those operating before the military operation. Only 1 dispensary in Arab Salim, Nabatiye was severe damaged.

EDUCATION	Total pre-events	Total Affected	DAMAGES	DAMAGES	DAMAGES
			Severe	Moderate	Slight
Schools #	234	64	2	13	
%		27	3	20	77

The school in Hadatha in Bint Jbeil Caza was completely destroyed. It is to be noted that some affected private schools, if not immediately assisted will not be able to complete this academic year. Requests for assistance included supplying furniture and schooling supplies, identification of temporary facilities, and financing the repairs to the premises, where other temporarily locations can be identified.

	Total pre-events	Total Affected	DAMAGES	DAMAGES	DAMAGES
			Severe	Moderate	Slight
Admin Buildings #	69	9	1	3	5
%		13	11	33	56
Religious Establishment #	348	67	3	11	53
%		18	5	16	79

Administrative buildings include those as postal offices, police stations, municipalities etc. mosques & churches. The classification of damages follows the same approach as the housing sector.

UTILITIES	Total pre-events	Total Affected	DAMAGES	DAMAGES	DAMAGES
			Severe	Moderate	Slight
Electric stations #	373	4	21	13	50
%		23	25	15	60
Water Reservoirs #	136	22	4	6	12
%		16	18	27	55
Wells #	435	40	17	13	10
%		9	43	32	25

The above represents damage to sources of water and electricity supply. However, it is to be noted that out of the 159 locations surveyed 57 do not have water, 72 lack electricity and 101 lack telephone services.

	Total pre-events	Total Affected	DAMAGES	DAMAGES
			Severe	Moderate/Slight
Roads	NA		167	269
Bridges	26	13	8	5

Bridges and passages that are not usable or in extremely bad condition are classified as severe damaged. Moderate and slight damaged roads are classified by the number and size of potholes and craters which make passage on segments difficult by passenger vehicles.

	Total pre-events	Total Affected	DAMAGES	DAMAGES	DAMAGES
			Severe	Moderate	Slight
Handicraft & Manufacturing #	1071	231	31	77	123
%		22	14	33	53
Stores & Storage #	9873	1338	81	120	1137
%		14	6	9	85

	Total pre-events	Total Affected	DAMAGES	DAMAGES	DAMAGES
			Severe	Moderate	Slight
Farms, orchards	307	73	15	11	47
Crops production	NA	63%			
Livestock	NA	32%			

Quantification of the losses to crops, trees, and livestock are rough estimates. Baseline information on crops and agricultural areas are not included in this report. However, it is worthwhile to draw attention to the Tobacco growers and nursery owners whose seedlings withered. Citrus fruit and vegetable growers who did not pick produce as marketing was not possible. Bee keepers who left beehives unattended during this crucial reproduction season. Furthermore, and with the loss of power, spoilage of fruits, meat and other products is expected to be high.

	Total pre-events	Total Affected	DAMAGES	DAMAGES
			Severe	Moderate/Slight
Vehicles	NA		380	416
Heavy Vehicles	NA		18	31



**Rapid Assessment Questionnaire
to evaluate damages resulting from Israeli aggression**

Date:

Population figure ----- Mouhafazat ----- Caza ----- Village -----

Public Services

# of hospitals	Before the war	Damaged	Partially destroyed	Completely destroyed
# of dispensaries/ clinics				
# of schools				
# of administration establishments				
# of religious establishments				

Physical Infrastructure, housing & commercial establishments

# of power stations	Before the war	Damaged	Partially destroyed	Completely destroyed
# of water reservoirs				
# of artesian wells				
# of handicrafts & manufacturing				
# of stores & warehouses				
# of houses				
# of farms				
# of bridges				

Networks: Water Available Not available
 Electricity Available Not available
 Telephone Available Not available

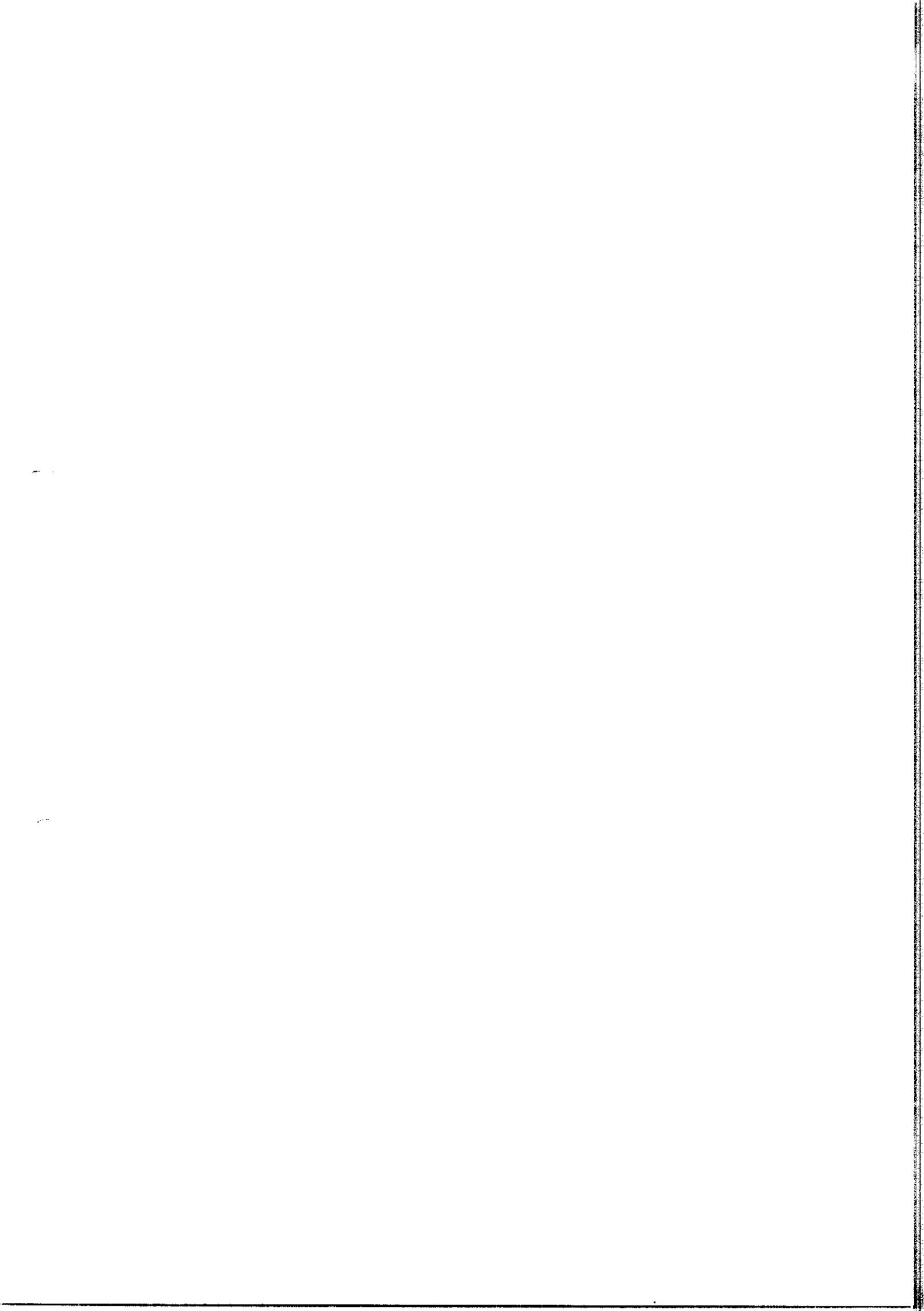
Roads: affected points segments severe minor

Agriculture % damage to crops ----- % damage to livestock -----
of vehicles destroyed ----- damaged -----
of trucks & tractors destroyed ----- damaged -----

Most active NGOs -----

Remarks -----

Name of surveyor -----



Damages Assessment

Damages Assessment

Code	Mouhafazat	Village	Population figure	HOUSING			PUBLIC SERVICES		
				# of houses	before the war	damaged	# of hospitals	before the war	completely destroyed
41738	South	Saida	1200	500					
41750	South	Saida							
41852	South	Saida	5000	400					
41858	South	Saida	1400	275					
		Total	83700	4485					
			70000	18000	100	80	5		
		Nabatiyeh Nabatiyeh							
42100	South	Nabatiyeh Jibchit	2000	175	60	16			
42200	South	Nabatiyeh Arnoun							
42310	South	Nabatiyeh Anasr	60000	100					
42320	h	Nabatiyeh Breikeh							
42330	South	Nabatiyeh Bfarouch	280	1					
42360	South	Nabatiyeh Jbaa	3500	1500	70	15	8		
42390	South	Nabatiyeh Jarjough	4000			5	10		
42410	South	Nabatiyeh Harouf	15000	1900	30	60	13		
42420	h	Nabatiyeh Habbouch	8000	1200	10	3			
42430	South	Nabatiyeh Habbouch						1	2

Damages Assessment

Code	Mouhafazat	Village	Population figure			HOUSING			PUBLIC SERVICES			
			# of houses	# of hospitals	# of clinics	# of schools	# of administration establishments	# of religious establishments	before the war	damaged	partially destroyed	completely destroyed
42470	South	Nabatiyah Houmin Tahta	5500									
42480	South	Nabatiyah Houmine Fawka	4000									
42510	h	Nabatiyah Doucir	16000									
42520	South	Nabatiyah Deir El Zahran										
42525	South	Nabatiyah Roumine	3000									
42530	South	Nabatiyah Zebdine	5000									
42540	South	Nabatiyah Zefta										
42550	South	Nabatiyah East Zawtar	4000	500	100	10	5	1	1	1	2	
42560	South	Nabatiyah West Zawtar	3000	300	10	5	1					
42590	h	Nabatiyah East Nabatiyah	7000	450	60	2	4					
42610	South	Nabatiyah Chouklin		300	30							
42620	South	Nabatiyah Sarba	3000									
42630	South	Nabatiyah West Sir		450	4	3						
42640	South	Nabatiyah Abba	12	3	1							

Damages Assessment

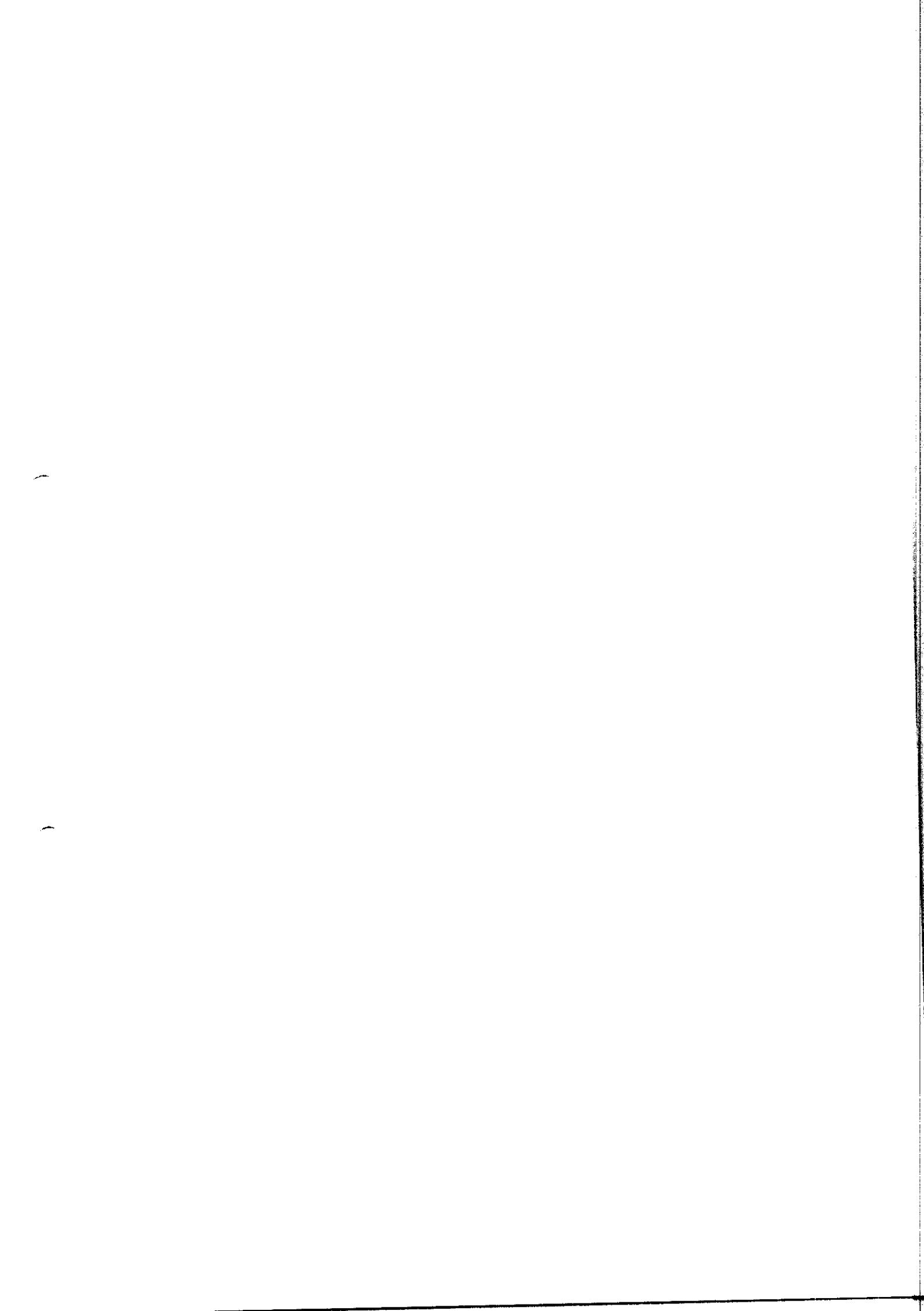
Code	Village	Population figure	HOUSING			PUBLIC SERVICES		
			# of houses	# of clinics	# of schools	# of administration establishments	# of religious establishments	
42850	Nabatiyeh	Nmeiriyeh						completely destroyed
42860	Nabatiyeh	Yohmor						partially destroyed
	Nabatiyeh							damaged
	Total							before the war
43000	Tyre	Houses	252200	34950	1549	349	112	completely destroyed
			2000	300				partially destroyed
								damaged
								before the war
43300	South	Tyre						completely destroyed
43307	South	Tyre	800	90				partially destroyed
43335	South	Tyre	2700	270	240			damaged
43342	South	Tyre	25000	415	50	18	13	before the war
43349	South	Tyre	17000	10000				completely destroyed
43363	South	Tyre						partially destroyed
43370	South	Tyre						damaged
43377	South	Tyre						before the war
43384	South	Tyre						completely destroyed
43401	South	Tyre	4500	480	400			partially destroyed
43430	South	Tyre	6000	1500	200			damaged
43431	South	Tyre						before the war
43433	South	Tyre						completely destroyed
	Bourj Rahhal							partially destroyed
	Bourj Al Chamali							damaged
	Berghiyeh							before the war
	Bayadah							completely destroyed
	Derdagyha							partially destroyed
	Blout El Siyad							damaged

Damages Assessment

Code	Mouhafazat	Type	Caza	Village	Population figure						
					# of houses	# of clinics	# of dispensaries	# of schools	# of administration establishments	# of religious establishments	before the war
43608	South	Tyre	Salaa	Smaiyeh	3500	160	5	1	2	2	2
43615	South	Tyre		Charnieh	300	40			1	1	1
43622	South	Tyre		Chibriha	2000	475			1	1	1
43624	South	Tyre		Chhour	750	150			1	1	1
43629	South	Tyre		Siddikin	7000	500	10	8	1	1	1
43664	South	Tyre		Srifia	7000	500			2	2	2
43671	South	Tyre		Toura	500	500	10		1	1	1
43678	South	Tyre		Tair Debba	5000	400			1	1	1
43706	South	Tyre		Tair Elseih	5000	600			1	1	1
43720	South	Tyre		Abbassyeh	10000	1500	8	5	1	1	1
43734	South	Tyre		Izziyeh	150	30			1	1	1
43745	South	Tyre		Ayitt	6000	600	100	8	1	1	1
43769	South	Tyre		Ain Raal	20000	4000	2	5	1	1	1
43776	South	Tyre		Kana	9000	1500	4	8	1	1	1
43797	South	Tyre		Kleileh	7000	700	400	50	28	3	1
43804	South	Tyre									

Damages Assessment

Code	Mlouha/Fazza	Village	Population figure	HOUSING			PUBLIC SERVICES		
				# of houses	# of hospitals	# of dispensaries/clinics	# of schools	# of administration establishments	# of religious establishments
43818	South	Tyre	2200	270	33	7	1	1	1
43832	South	Tyre		25	3				
43839	South	Tyre		14	10	3			
43846	South	Tyre	4000	700	150	15			
43853	South	Tyre	800	140	17				
43874	South	Tyre	1500	125					
43881	South	Tyre	10000	1400	1				
43888	South	Tyre	2000	350	90				
43891	South	Tyre	3000	200	10				
43895	South	Tyre	200	25		1			
43902	South	Tyre	7000	410	200	50			
43919	South	Tyre	120	21		5			
43923	South	Tyre	1500	125	125				
43930	South	Tyre	90	10	4				
43944	South	Tyre	2000	170					
		Total	259410	31821	3068	397	140	7	0
44315	South	Bint Jbeil	2500	150		1			
44330	South	Bint Jbeil	1500	9	6	3			
44365	South	Bint Jbeil		5	2				
44375	South	Bint Jbeil	2000	350	3				
44405	South	Bint Jbeil		18	8				
44420	South	Bint Jbeil	6000	1000	55	2			
44450	South	Bint Jbeil		15	8				
44465	South	Bint Jbeil	2500	156	96	34	26		



PHYSICAL INFRASTRUCTURE

Damages Assessment

		Village		Code		# of power stations		# of water reservoirs (tanks)		# of artesian wells		# of bridges		Physical Infrastructure		
Kaoucharet El Roz	Saida	41738	South		C 828											
Loubiyeh	Saida	41750	South													
Miyeh ou Miyeh	Saida	41852	South													
Njariyeh	Saida	41858	South													
	Total															
	Nabatiyeh Nabatiyeh	42100	South													
Nabatiyeh Jibchit		42200	South													
Nabatiyeh Arnoun		42310	South													
Nabatiyeh Anasr		42320	h													
Nabatiyeh Breikeh		42330	South													
Nabatiyeh Bfarouch		42360	South													
Nabatiyeh Jbaa		42390	South													
Jarjoud		42410	South													
Harouf		42420	h													
Habbouch		42430	South													

Damages Assessment

PHYSICAL INFRASTRUCTURE									
Code	Mluhfarazat	Village	# of power stations	# of water reservoirs (tanks)	# of bridges	# of artesian wells	# of roads	Telephone not available	Electricity not available
42470 South	Nabatiyeh	Hounin Tahta	before the war	damaged	partially destroyed	completely destroyed	before the war	before the war	before the war
42480 South	Nabatiyeh	Hounine Fawka	before the war	damaged	partially destroyed	completely destroyed	before the war	before the war	before the war
42510 h	Nabatiyeh	Doucir	before the war	damaged	partially destroyed	completely destroyed	before the war	before the war	before the war
42520 South	Nabatiyeh	Deir El Zahani	before the war	damaged	partially destroyed	completely destroyed	before the war	before the war	before the war
42535 South	Nabatiyeh	Roumine	before the war	damaged	partially destroyed	completely destroyed	before the war	before the war	before the war
42530 South	Nabatiyeh	Zebdine	before the war	damaged	partially destroyed	completely destroyed	before the war	before the war	before the war
42540 South	Nabatiyeh	Zefta	before the war	damaged	partially destroyed	completely destroyed	before the war	before the war	before the war
42550 South	Nabatiyeh	East Zawtar	before the war	damaged	partially destroyed	completely destroyed	before the war	before the war	before the war
42560 South	Nabatiyeh	West Zawtar	before the war	damaged	partially destroyed	completely destroyed	before the war	before the war	before the war
42590 h	Nabatiyeh	East Nabatiyeh	before the war	damaged	partially destroyed	completely destroyed	before the war	before the war	before the war
42610 South	Nabatiyeh	Choukin	before the war	damaged	partially destroyed	completely destroyed	before the war	before the war	before the war
42620 South	Nabatiyeh	Sarba	before the war	damaged	partially destroyed	completely destroyed	before the war	before the war	before the war
42630 South	Nabatiyeh	West Sir	before the war	damaged	partially destroyed	completely destroyed	before the war	before the war	before the war
42640 South	Nabatiyeh	Abba	before the war	damaged	partially destroyed	completely destroyed	before the war	before the war	before the war

PHYSICAL INFRASTRUCTURE

Damages Assessment

PHYSICAL INFRASTRUCTURE									
Code	Mtouhafazat	Village	# of water reservoirs (tanks)	# of artesian wells	# of bridges	Roads			
						before the war	damaged	partially destroyed	completely destroyed
42850	South	Nabatiyeh	Nabatiyeh	1	1	1	1	1	1
42860	h	Nabatiyeh	Yohmor	1	1	1	1	1	1
		Nabatiyeh	Nabatiyeh	1	1	1	1	1	1
		Total		3	3	3	3	3	3
43000	South	Tyre	Houses	1	1	1	1	1	1
43000	South	Tyre	Tyre	2	2	2	2	2	2
43307	South	Tyre	Azzoun	1	1	1	1	1	1
43335	South	Tyre	Batouleih	5	5	5	5	5	5
43342	South	Tyre	Barish	10	10	10	10	10	10
43349	South	Tyre	Bazouriyeh	1	1	1	1	1	1
43363	South	Tyre	Bistat	3	3	3	3	3	3
43370	South	Tyre	Bedayas	2	2	2	2	2	2
43377	South	Tyre	Bourj Rahhal	4	4	4	4	4	4
43384	South	Tyre	Bourj Al Chamali	7	7	7	7	7	7
43401	South	Tyre	Bergliyeh	3	3	3	3	3	3
43430	South	Tyre	Bayadah	3	3	3	3	3	3
43431	South	Tyre	Derdaghyah	1	1	1	1	1	1
43433	South	Tyre	Biout El Siyad	1	1	1	1	1	1

PHYSICAL INFRASTRUCTURE

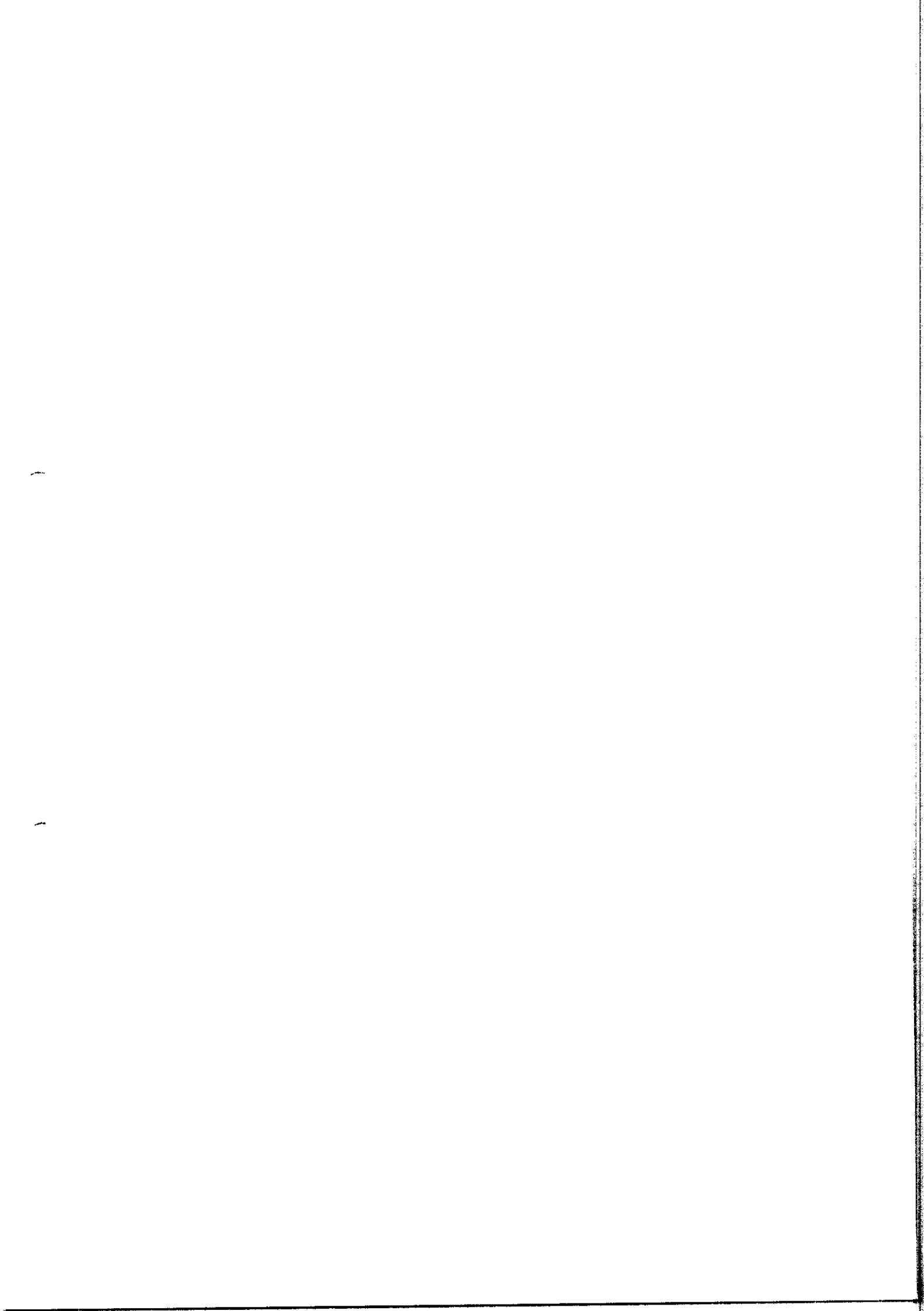
PHYSICAL INFRASTRUCTURE

PHYSICAL INFRASTRUCTURE

Code	Mouhafazat	Caza	Village	# of water reservoirs (tanks)	# of artesian wells			# of bridges			Roads		
					before the war	damage	partially destroyed	completely destroyed	before the war	damage	partially destroyed	completely destroyed	before the war
43818	South	Tyre	Knissich	1	1	1	1	1	1	1	1	1	1
43832	South	Tyre	Malikiyah	1	1	1	1	1	1	1	1	1	1
43839	South	Tyre	Mjadel	1	1	1	1	1	1	1	1	1	1
43846	South	Tyre	Majdelzoun	3	1	1	1	1	1	1	1	1	1
43853	South	Tyre	Mahrouteh	5	2	2	2	2	1	1	1	1	1
43874	South	Tyre	Mazraat Meshref	2	1	1	1	1	1	1	1	1	1
43881	South	Tyre	Maarakeh	6	3	3	3	3	1	1	1	1	1
43888	South	Tyre	Maaroub	1	1	1	1	1	1	1	1	1	1
43891	South	Tyre	Maachouk	1	1	1	1	1	1	1	1	1	1
43895	South	Tyre	Maaliyeh	5	3	3	3	3	1	1	1	1	1
43902	South	Tyre	Mansourah	5	1	1	1	1	1	1	1	1	1
43919	South	Tyre	Niha	2	1	1	1	1	1	1	1	1	1
43923	South	Tyre	Wadi Jilo	1	1	1	1	1	1	1	1	1	1
43930	South	Tyre	Wardaniyeh	2	1	1	1	1	1	1	1	1	1
43944	South	Tyre	Yanouh	1	1	1	1	1	1	1	1	1	1
			Total	169	17	2	5	7	3	1	366	8	12
44315	South	Bint Jbeil	Bourj Kalawieh	1	1	1	1	1	1	1	1	1	1
44330	South	Bint Jbeil	Barraachit	1	1	1	1	1	1	1	1	1	1
44365	South	Bint Jbeil	Bir El Salassat	1	1	1	1	1	1	1	1	1	1
44375	South	Bint Jbeil	Tibnine	1	1	1	1	1	1	1	1	1	1
44405	South	Bint Jbeil	Jmeijinch	2	2	2	2	2	1	1	1	1	1
44420	South	Bint Jbeil	Hariss	2	2	2	2	2	1	1	1	1	1
44450	South	Bint Jbeil	Haddatha	2	2	2	2	2	1	1	1	1	1
44465	South	Bint Jbeil	Kherbet Setem	1	1	1	1	1	1	1	1	1	1

PHYSICAL INFRASTRUCTURE

PHYSICAL INFRASTRUCTURE



Code	Moutahfazat	City	# of handicraft & manufacturing	# of stores & warehouses	# of farms	ECONOMIC SECTOR		
						before the war	damaged	partially destroyed
23590 Lebanon	Mount Rmeileh	Saida	6	60	5	3	1	20
	Chouf	Saida	6	60	0	0	0	0
	Total	Ansareih						
41324 South	Saida							
41330 South	Saida	Bablieyh	32	8				
41384 South	Saida	Bissariyah						
41474 South	Saida	Kherbet Doueir						
41516 South	Saida	Deir Takla						
41531 South	Saida	Abou El Aswad						
41552 South	Saida	Saksakiyah						
41576 South	Saida	Salhieh						
41582 South	Saida	Sarafand						
41595 South	Saida	Abkyieh						
41600 South	Saida	Abra						
41606 South	Saida	Adloun						
41612 South	Saida	Adousiyeh						
41648 South	Saida	Ain El Delb						
41660 South	Saida	Ghassanyeh						
41672 South	Saida	Kaukayjet Sanawbar						
41726 South	Saida	Kfarnikli						
41732 South	Saida	Kefraya						

Damages Assessment

ECONOMIC SECTOR									
# of handicraft & manufacturing	# of stores & warehouses	# of farms							
Caza	Village								Remarks
41738 South	Saida	Kaoucharet El Roz							tobacco crops is damaged
41750 South	Saida	Loubiyeh							
41852 South	Saida	Miyeh ou Miyeh							Massive pot holes in the roads
41858 South	Saida	Njariyeh	4						
	Total	Saida							
42100 South	Nabatiyeh	Nabatiyeh	9	0	0	362	0	0	Most active NGOs
42200 South	Nabatiyeh	Jibchit	120	2	300	60	15	10	Al Marhal sportive club
42310 South	Nabatiyeh	Arroun	200	5	1800	30	10	3	
42320 h	Nabatiyeh	Anast	9		400				Chaabiya - Social Charity
42330 South	Nabatiyeh	Breikeh	5		10				1 Association
42360 South	Nabatiyeh	Bfaroueh							Electricity network - 3 mosques
42390 South	Nabatiyeh	Ibbaa	13	1	60	1	6	1	Hseinyeh - chicken - olives - tobacco - bees
42410 South	Nabatiyeh	Jajoud							mosque - church - Shattered glass - loss in water
42420 h	Nabatiyeh	Harouf	100	10	10	250	80	25	melon crop
42430 South	Nabatiyeh	Habbouch	40		60				mosque
									olives - Sit Zbeidah bridge
									6

Damages Assessment

Code	Mouthafzaat	Village	ECONOMIC SECTOR										# of stores & warehouses	# of farms		
			before the war			damaged			partially destroyed			completely destroyed				
42650 South	Nabatiyah Adehit	Nabatiyah Adehit	35	20	60	20	5	2	2	2	2	70	10	50	3	Remarks 2 mosque - 21 houses - secondary water network - vegetables - olives - olive oil - tractors - cows
42660 South	Nabatiyah Arab Salim	Nabatiyah Arab Salim	20	1	150	6	6	12	2	2	5	5	5	8	1	
42670 South	Nabatiyah Jizzeh	Nabatiyah Jizzeh	6	3	6	3	3	3	3	3	3	70	25	4	1	cows
42680 South	Nabatiyah Ain Boushir	Nabatiyah Ain Boushir	6	3	6	3	3	3	3	3	3	70	25	4	1	Ain Kana sportive club
42690 South	Nabatiyah Ain Kana	Nabatiyah Ain Kana	35	20	60	20	5	2	2	2	2	70	10	50	3	At Islah Association
42700 South	Nabatiyah Kseiybeh	Nabatiyah Kseiybeh	60	10	10	1	1	1	1	1	1	90	100	1	1	Social cultural network - chicken tobacco
42710 South	Nabatiyah Kaaskayat El Jisr	Nabatiyah Kaaskayat El Jisr	20	2	150	1	1	1	1	1	1	50	5	1	1	Al Jisr Sons Association - Rissala scouts
42740 h	Nabatiyah Kfar Arbillit	Nabatiyah Kfar Arbillit	13	1	25	3	3	3	3	3	3	50	10	1	1	2 mosque - 11 houses - light poles - chicken - tobacco
42770 South	Nabatiyah Kfar Roman	Nabatiyah Kfar Roman	16	12	15	6	6	6	6	6	6	25	10	5	1	Jaima Aroun was directly hit cables
42780 South	Nabatiyah Kfarsir	Nabatiyah Kfarsir	70	100	100	100	100	100	100	100	100	70	5	1	1	Charity Committee
42790 South	Nabatiyah Kfarfila	Nabatiyah Kfarfila	10	100	100	7	3	2	2	2	2	80	10	1	1	electricity network - hangs - tobacco - olives - cows & chicken
42840 South	Nabatiyah Mayfoudan	Nabatiyah Mayfoudan	10	100	100	7	3	2	2	2	2	80	10	1	1	

		ECONOMIC SECTOR		# of stores & warehouses		# of farms		REMARKS	
Village	Code	Labaa	Wadi Baroudine						
Mouhafazat	47332 South	Jezzine	Jezzine						
	47947 South								
		Total							
	52200 Bekaa	Bekaa	Soghbin	15	2				
	52450 Bekaa	West	Zellaya	2		25	1		
	52465 Bekaa	West	Sohmor	35	1	50	8	1	
	52585 Bekaa	West	Ain El Tineh	20	20	100	7	8	2
	52660 Bekaa	West	Klaya	2					
	52720 Bekaa	West	Lebbaya	10	10		40		
	52764 Bekaa	Bekaa	Machghara	35					
	52825 Bekaa	West	Maydoun						
		Bekaa							
		Total		0	119	31	2	0	2
	52840 Bekaa	Rachaya	Yohmor	14	4				
		Rachaya							
		Total		0	14	4	0	0	2
		Grand Total		1071	123	31	9873	1137	380
				77	81	47	11	15	416
									18
									31

LEGEND

CENTRE

CASA Affected by
Military Operations

Scale 1/100000

Z

A detailed map of the Nahr al-Kalb river system, showing its course from the mountains through various towns and finally into the Mediterranean Sea at Beirut. The map includes labels for numerous locations such as Rissoun, Riss Sidi Ali, Riss Sidi Béch, Riss Maronie Chouane, Riss Maronie Kéf, Bon el Hammam, Bon el Hammam, Bon Rabbat, Bedas, Hallouste, Deir Qanoun en Nahr, Hamra, Riad Sebaa, and Marabout. The map also features several small lakes or reservoirs along the river's path.

Mapping of affected areas
- 28 April 1996

