FIGURES

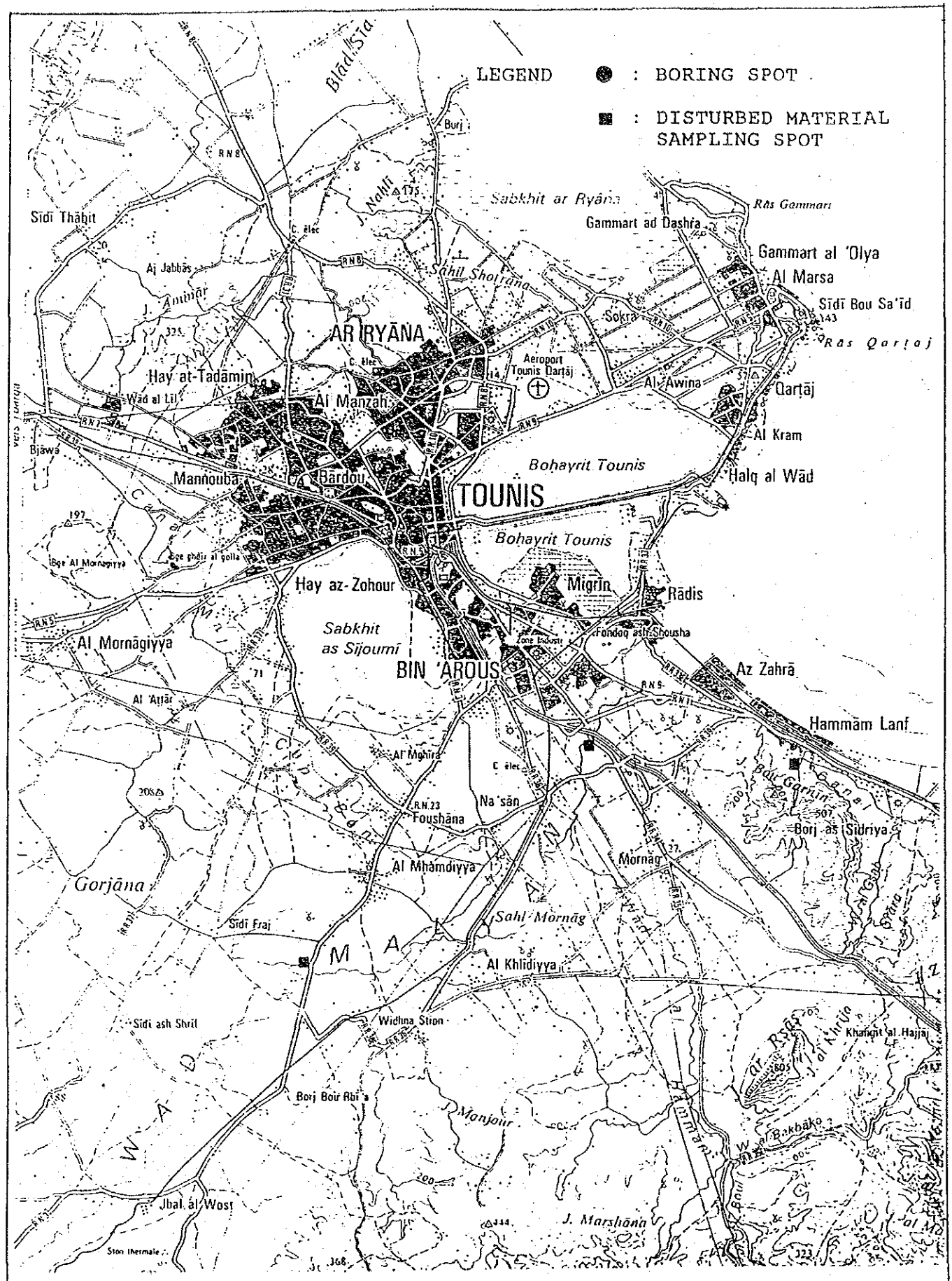


Figure 2.1 Carte de la Localisation des Investigations Géotechniques dans Tunis et ses Environs

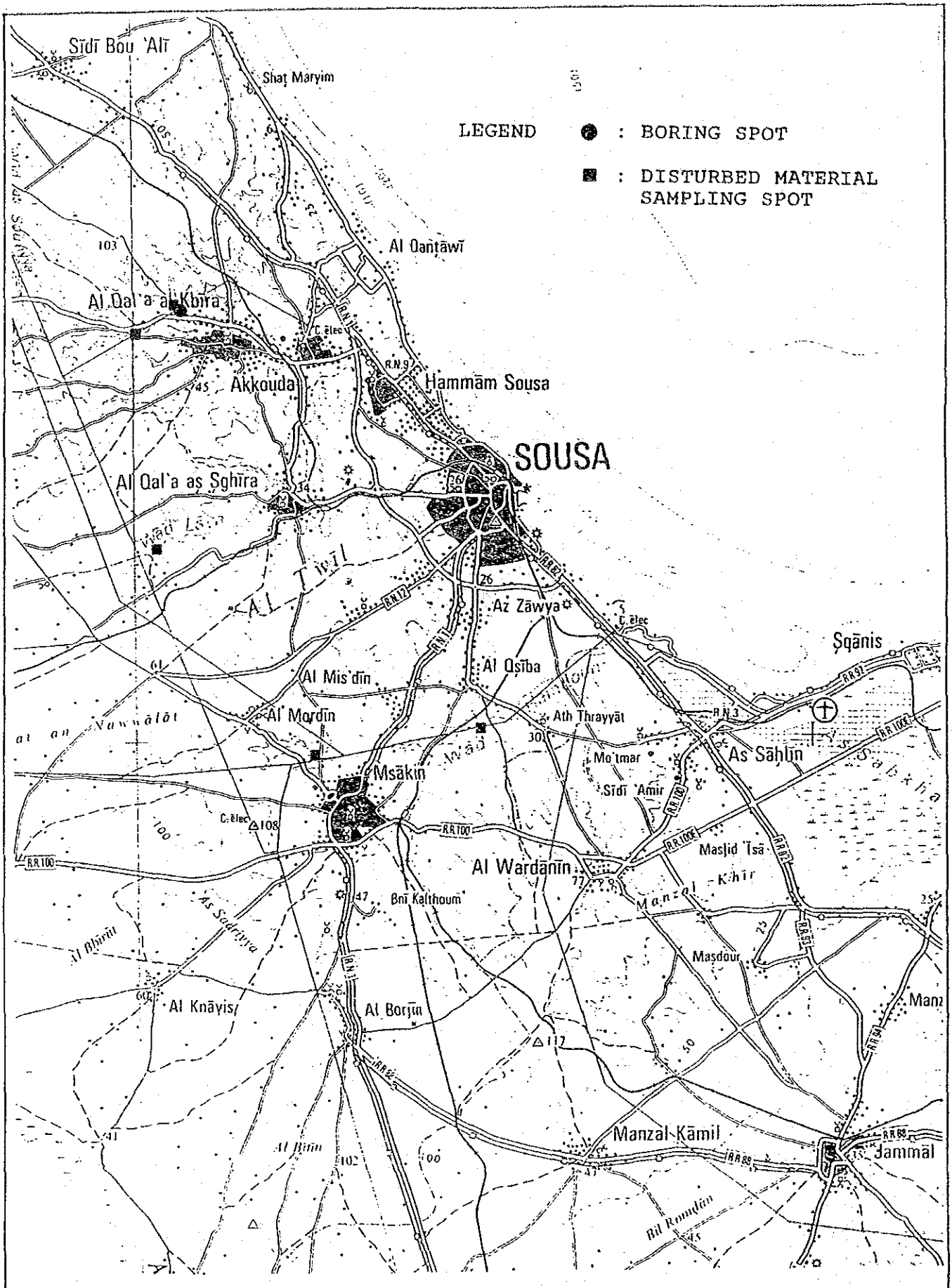


Figure 2.2 Carte de la Localisation des Investigations Géotechniques dans Sousse et ses Environs

Figure 2.3 Carnet des Carottages (1)

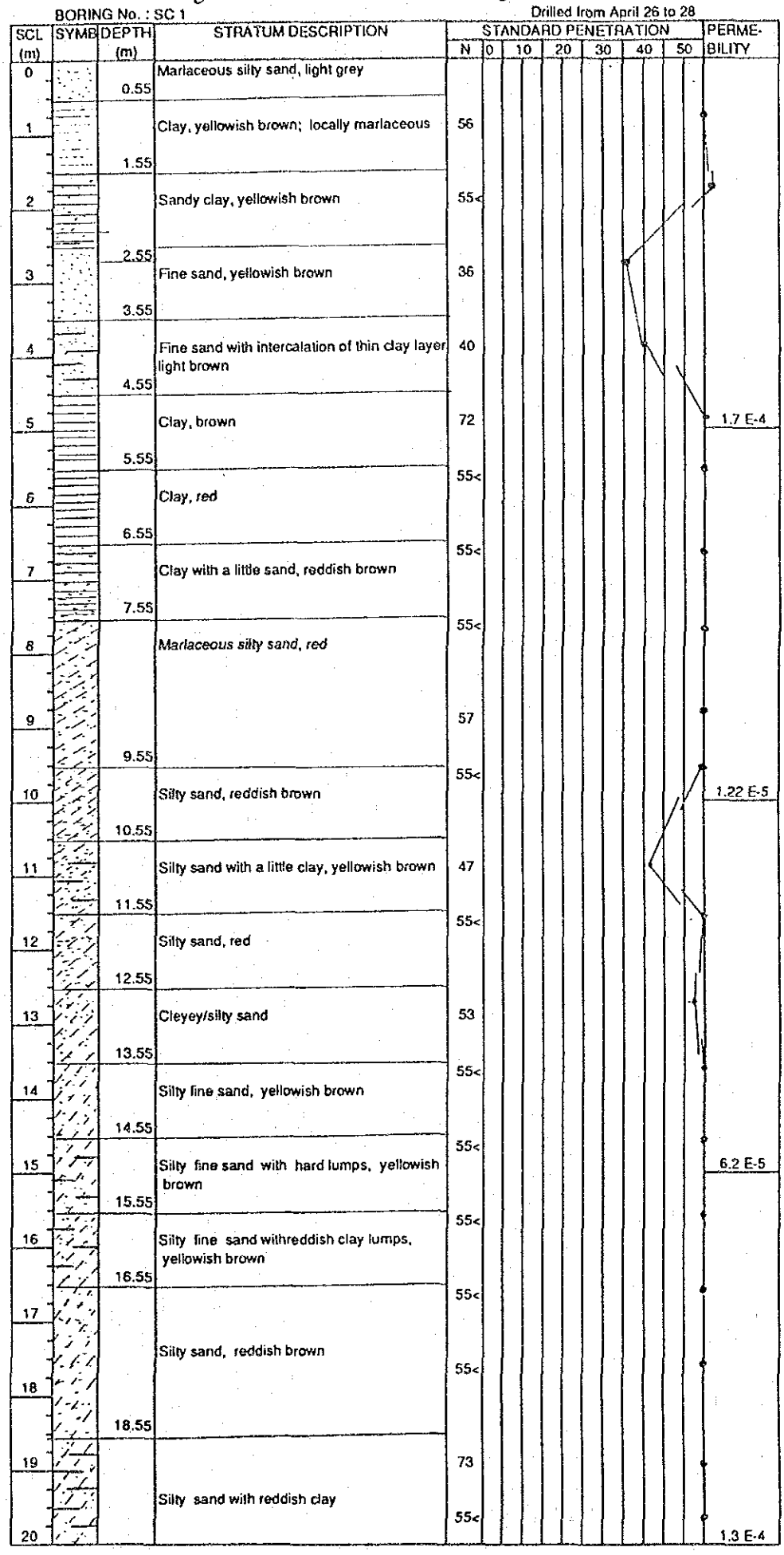


Figure 2.3 Carnet des Carottages (2)

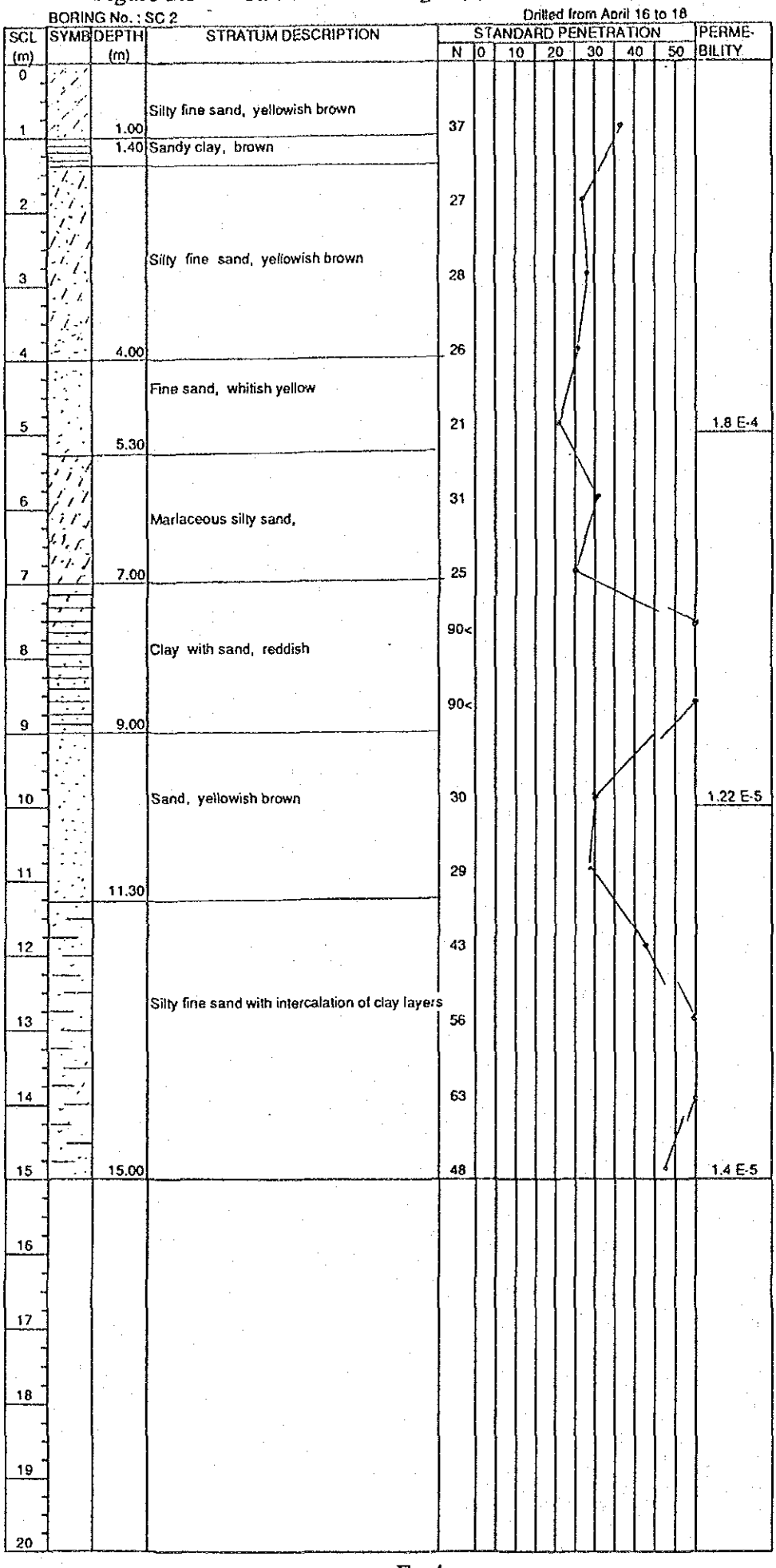


Figure 2.3 Carnet des Carottages (3)

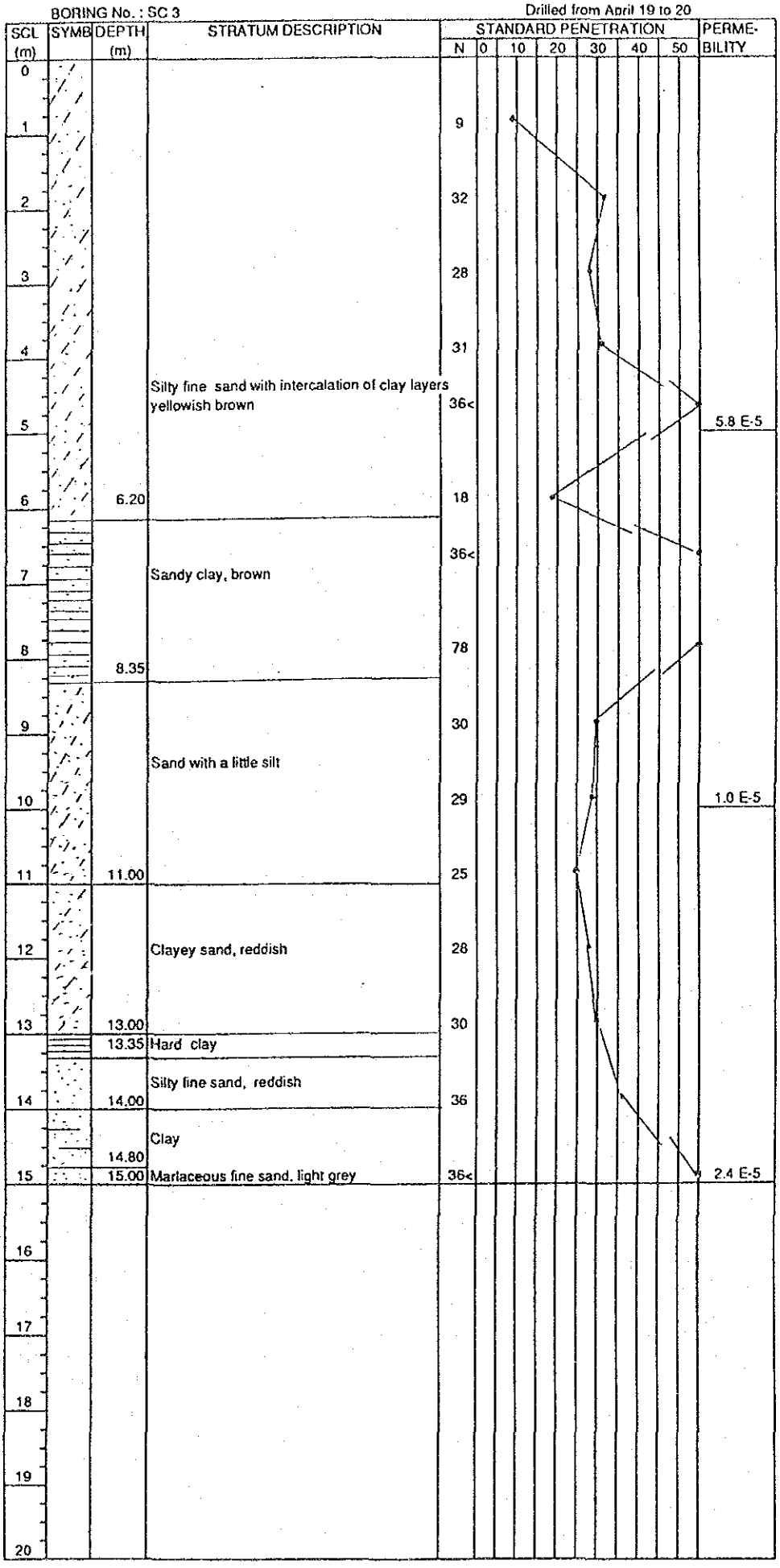


Figure 2.4 Carnet des Trous d'échantillonage

T-1

SCL (m)	SYMB	DEPTH (m)	STRATUM DESCRIPTION
0			
1			Gravelly clay, dark brown
2			
3		3.00	

T-2

SCL (m)	SYMB	DEPTH (m)	STRATUM DESCRIPTION
0			
1			Plastic clay, yellowish brown
2			
3		3.00	

T-3

SCL (m)	SYMB	DEPTH (m)	STRATUM DESCRIPTION
0			
1			Silty clay, brown
2			
3			

S-1

SCL (m)	SYMB	DEPTH (m)	STRATUM DESCRIPTION
0			
1			Fine sand, yellowish brown
		1.70	
2			Fine sand with some clay, Grey
3		3.00	

S-2

SCL (m)	SYMB	DEPTH (m)	STRATUM DESCRIPTION
0			
1			Fine sand, yellowish brown
2			
3		3.00	

S-3

SCL (m)	SYMB	DEPTH (m)	STRATUM DESCRIPTION
0			
1		1.30	Clayey fine sand, yellowish brown
2			Fine sand with a little clay and small gravel yellowish brown
3		3.00	

S-4

SCL (m)	SYMB	DEPTH (m)	STRATUM DESCRIPTION
0			
1			gravelly fine sand, reddish
2			
3		3.00	

S-5

SCL (m)	SYMB	DEPTH (m)	STRATUM DESCRIPTION
0			
1		0.80	Fine sand with a little clay and gravel with organic matters
2			Sandy clay with a little gravel, yellowish brown
3		3.00	

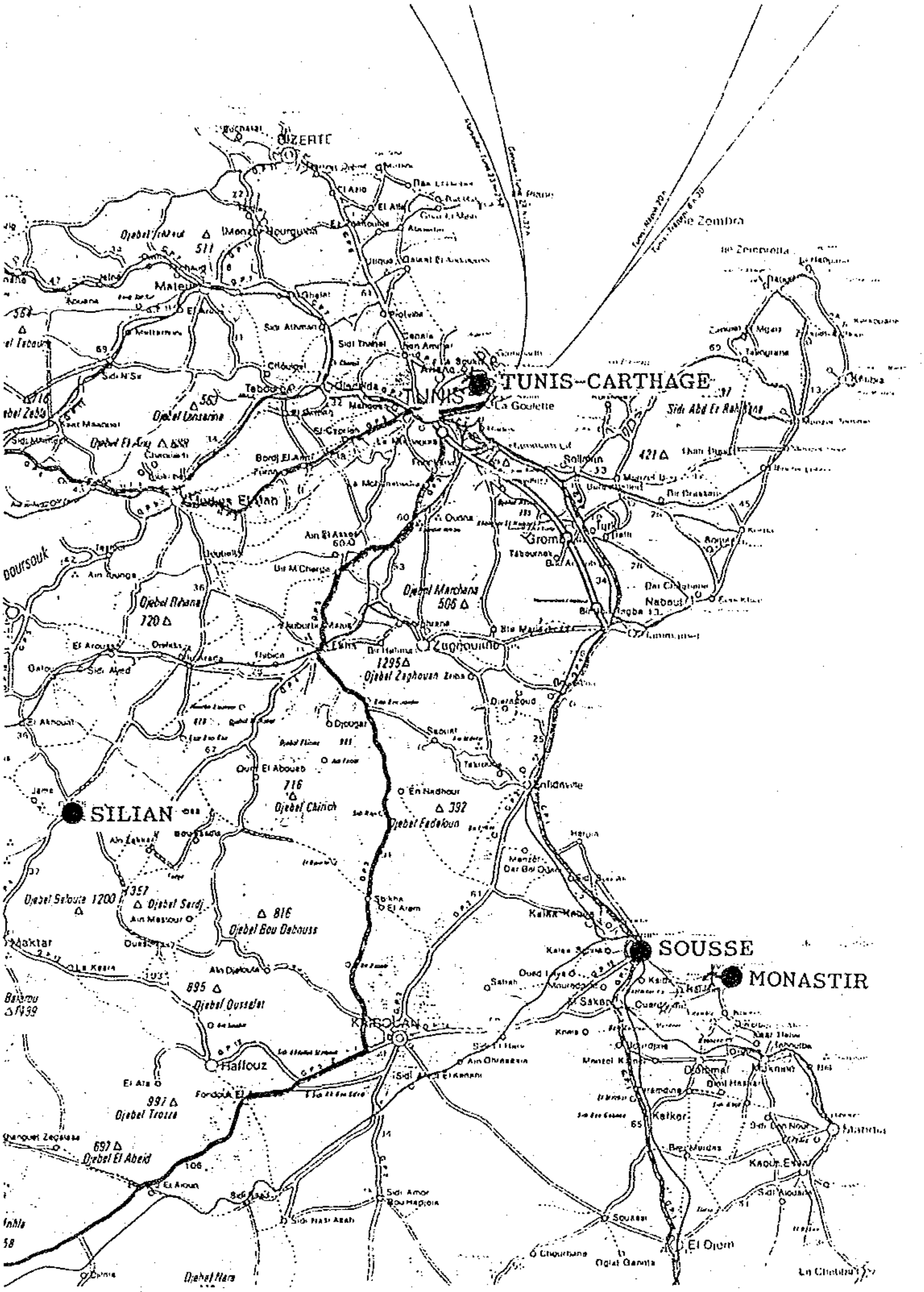
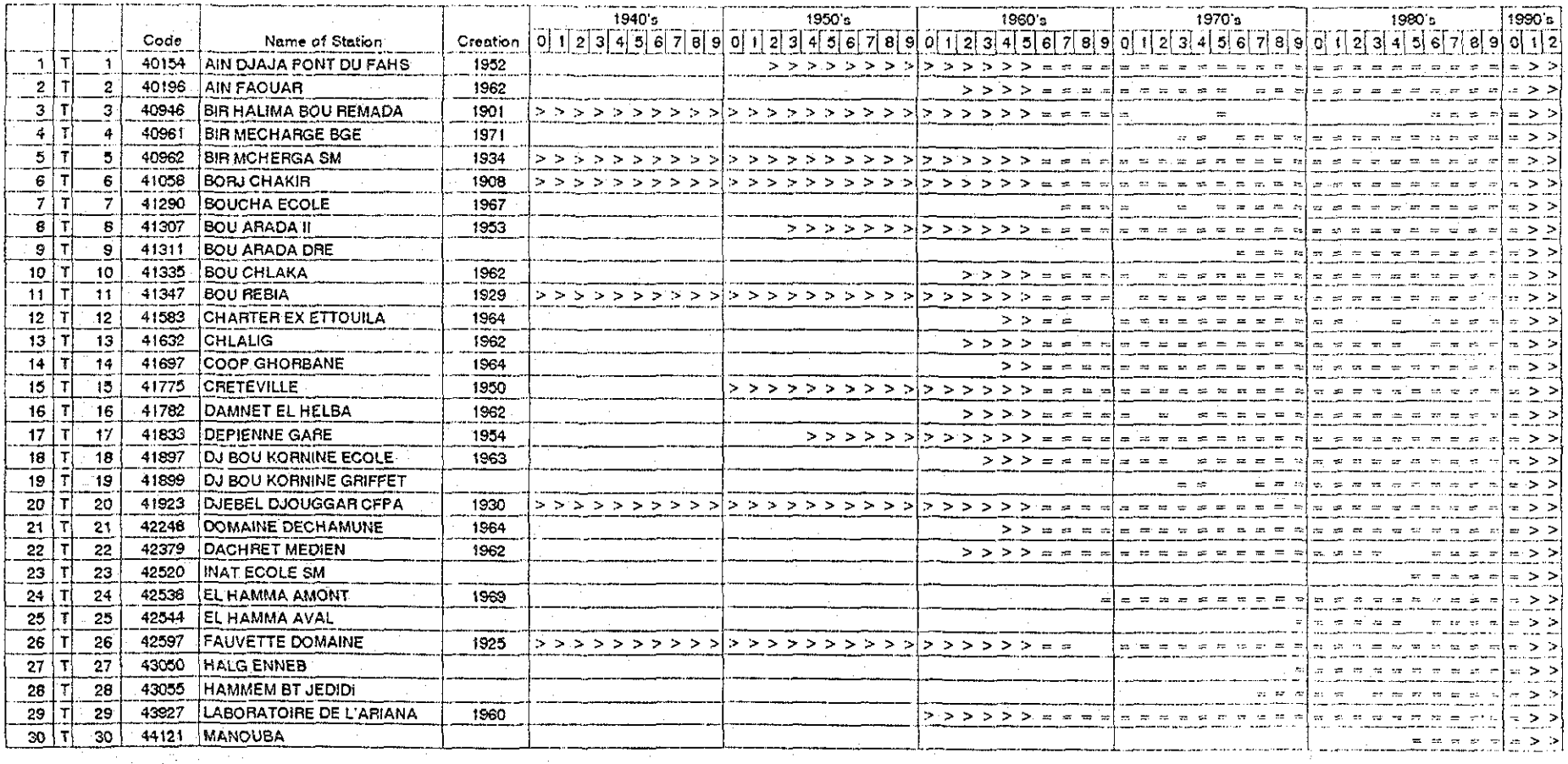


Figure 3.1 Localisation des Stations Climatologiques

Figure 3.2 Enregistrements Disponibles de Pluies Journalières (1/3)



			Code	Name of Station	Creation	1940's										1950's										1960's										1970's										1980's										1990's		
						0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2
1	T	1	40154	AIN DJAJA PONT DU FAHS	1952																					>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
2	T	2	40196	AIN FAOUAR	1962																							>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
3	T	3	40946	BIR HALIMA BOU REMADA	1901	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
4	T	4	40961	BIR MECHARGE BGE	1971																															=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
5	T	5	40962	BIR MCHERGA SM	1934	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
6	T	6	41058	BORJ CHAKIR	1908	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
7	T	7	41290	BOUCHA ECOLE	1967																											=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
8	T	8	41307	BOU ARADA II	1953															>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
9	T	9	41311	BOU ARADA DRE																																=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
10	T	10	41335	BOU CHLAKA	1962																							>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
11	T	11	41347	BOU REBIA	1929	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
12	T	12	41583	CHARTER EX ETTOUILA	1964																									>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
13	T	13	41632	CHLALIG	1962																							>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
14	T	14	41697	COOP GHORBANE	1964																									>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
15	T	15	41775	CRETEVILLE	1950											>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
16	T	16	41782	DAMNET EL HELBA	1962																							>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
17	T	17	41833	DEPIENNE GARE	1954													>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
18	T	18	41897	DJ BOU KORNINE ECOLE	1963																							>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
19	T	19	41899	DJ BOU KORNINE GRIFFET																														=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
20	T	20	41923	DJEBEL DJOUGGAR CFPA	1930	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
21	T	21	42246	DOMAINE DECHAMUNE	1964																									>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
22	T	22	42379	DACHRET MEDIEN	1962																							>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
23	T	23	42520	INAT ECOLE SM																																						=	=	=	=	=	=	=	=	=	=	=	=	>	>
24	T	24	42536	EL HAMMA AMONT	1969																											=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
25	T	25	42544	EL HAMMA AVAL																																																		>	>
26	T	26	42597	FAUVETTE DOMAINE	1925	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
27	T	27	43050	HALG ENNEB																																																	>	>
28	T	28	43055	HAMMEM BT JEDIDi																																																>	>
29	T	29	43927	LABORATOIRE DE L'ARIANA	1960																					>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
30	T	30	44121	MANOUBA																																																>	>

Note : (=) Data collected

Source : "Annuaire Pluviometrique de Tunisie", Direction General des Ressources en Eau

Figure 3.2 Enregistrements Disponibles de Pluies Journalières (2/3)

			Code	Name of Station	Creation	1940's										1950's										1960's										1970's										1980's										1990's		
						0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2
31	T	31	44155	MARJA PT DU FAHS	1972																															=	=			=	=	=				=	=	=	=	=	=	=	=	=	=	=	>	>
32	T	32	44415	MENZAH 6 LE PADDAGE																																																				=	>	>
33	T	33	44505	MOGRANE CSA/SM	1953												>	>	>	>	>	>	>	>		>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
34	T	34	44896	OUED EL KHADRA																																																			=	>	>
35	T	35	45198	POTIN BERGERIE	1957																	>	>	>		>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
36	T	36	45238	FAHS OMVVM																																																			=	>	>
37	T	37	45246	PONT DU FAHS ESSOUANI	1969																														=	=			=	=	=				=	=	=	=	=	=	=	=	=	=	=	>	>
38	T	38	45416	ROBAA GN	1970																														=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
39	T	39	45496	OUED EZZIT																																																			=	>	>
40	T	40	46088	SIDI AOUIDET																																=	=			=	=	=				=	=	=	=	=	=	=	=	=	=	=	>	>
41	T	41	46108	SIDI ARFA	1960																						>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
42	T	42	46232	SIDI BOU BAKER BGE KB SM	1921	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
43	T	43	46386	SIDI HAMID	1964																									>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
44	T	44	46868	SMINDJA DEPIENNE	1951											>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
45	T	45	47054	SOKRA																																																			=	>	>
46	T	46	47406	BARRAGE TAHOUNA																																																			=	>	>
47	T	47	47422	TARF CHENA	1927	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
48	T	48	47620	TELLET ERRAIB	1960																						>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
49	T	49	47623	TELLET ESSAFRA																																																			=	>	>
50	T	50	47816	TUBURBO MAJUS	1969																														=	=			=	=	=				=	=	=	=	=	=	=	=	=	=	=	>	>
51	T	51	47832	TUNIS CARTHAGE SM	1924	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
52	T	52	47836	TUNIS MANOUBIA	1872	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
53	T	53	48000	MNIHLA EX VILLE JAQUE																																																			=	>	>
54	T	54	48075	ZAGHOUAN SM	1908	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
55	T	55	48076	ZAGHOUAN DRE																																																			=	>	>
56	T	56	48077	ZAGHOUAN PF	1960																						>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>

Note : (=) Data collected

Source : "Annuaire Pluviometrique de Tunisie", Direction General des Ressources en Eau

Figure 3.2 Enregistrements Disponibles de Pluies Journalières (3/3)

			Code	Name of Station	Creation	1940's										1950's										1960's										1970's										1980's										1990's		
						0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2
57	S	1	70583	AKOUDA SM																														=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
58	S	2	70747	SALAOUM KALAAT KEBIRA																																																								>	>
59	S	3	71637	CHOTT MARIEM CRGR	1900	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=					=	=			=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
60	S	4	72004	JEMMEL	1970																													=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
61	S	5	72525	EL ONK SE	1960																					>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
62	S	6	73069	HAMMAM SOUSSE																																																						>	>
63	S	7	73509	KALAA KEBIRA	1900	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=					=	=			=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
64	S	8	73510	KALAA SEGHIRA	1966																											=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
65	S	9	74386	JEMMEL CFPA																																																					>	>
66	S	10	74603	MASAKEN DELG SM	1933	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
67	S	11	74951	OUED LAYA	1929	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
68	S	12	76210	SIDI BOU ALI																																																					>	>
69	S	13	76400	SIDI EL HANT CTV																																																				>	>
70	S	14	76788	SKANES MONASTIR SM	1968																											=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
71	S	15	77072	SOUSSE PF	1967																											=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	>	>
72	S	16	78232	ZERAMDINE																																																				>	>

Note : (=) Data collected

Source : "Annuaire Pluviometrique de Tunisie", Direction General des Ressources en Eau

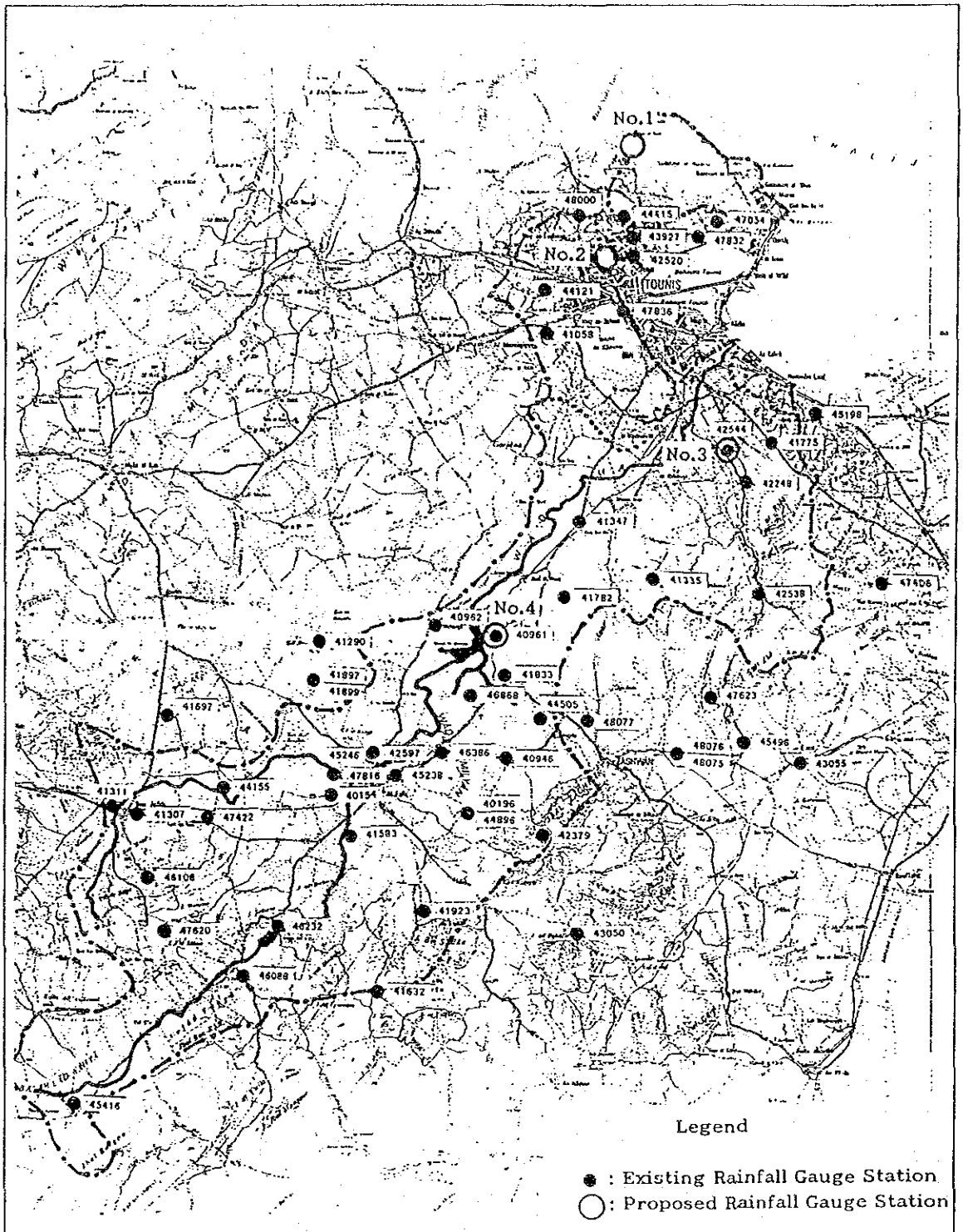


Figure 3.3 Localisation des Pluviographes (1/2)

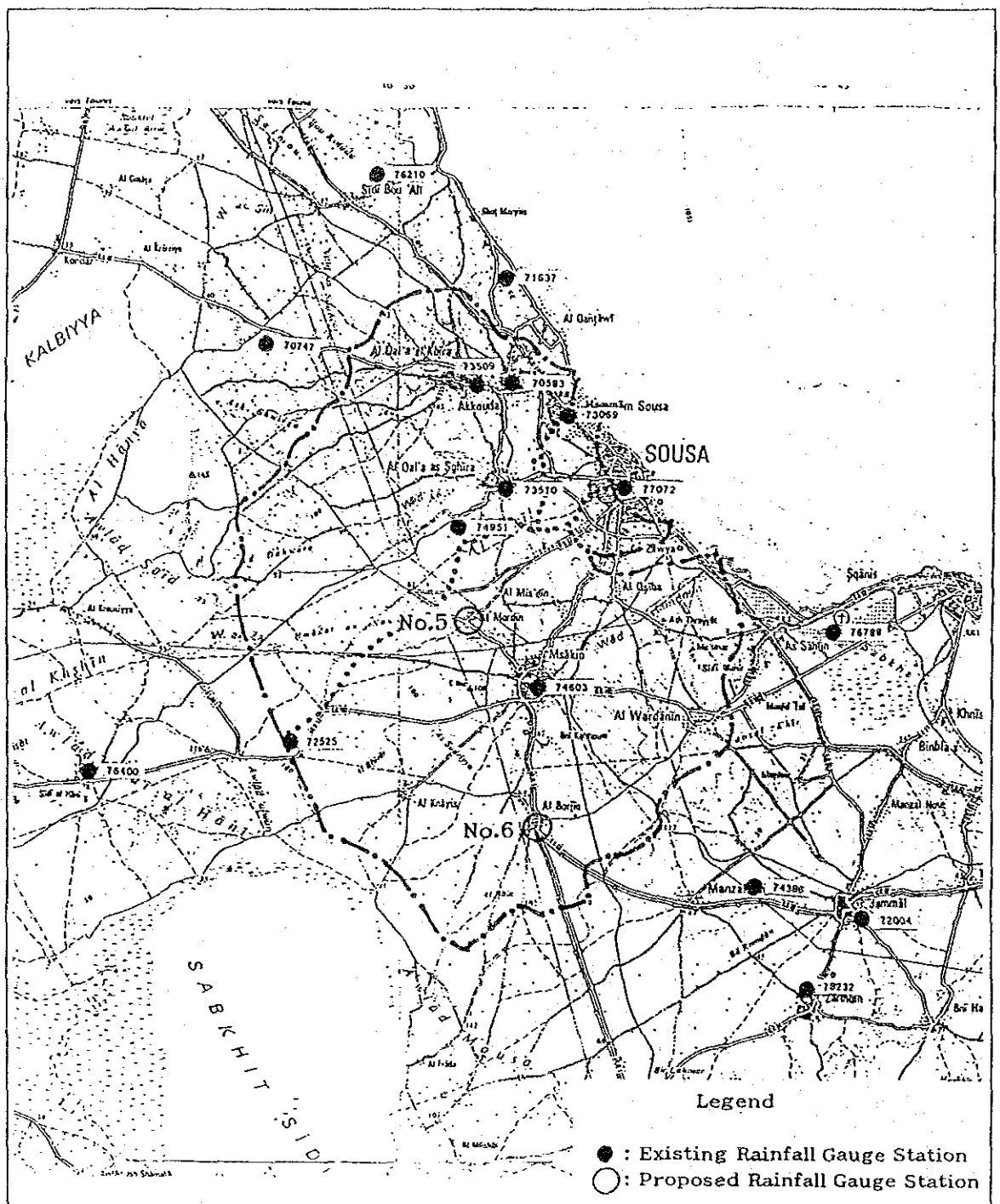


Figure 3.3 Localisation des Pluviographes (2/2)

Figure 3.4 Courbes Intensité-Durée-Fréquence (1/4)

Tunis-Carthage (I = b / t^a)

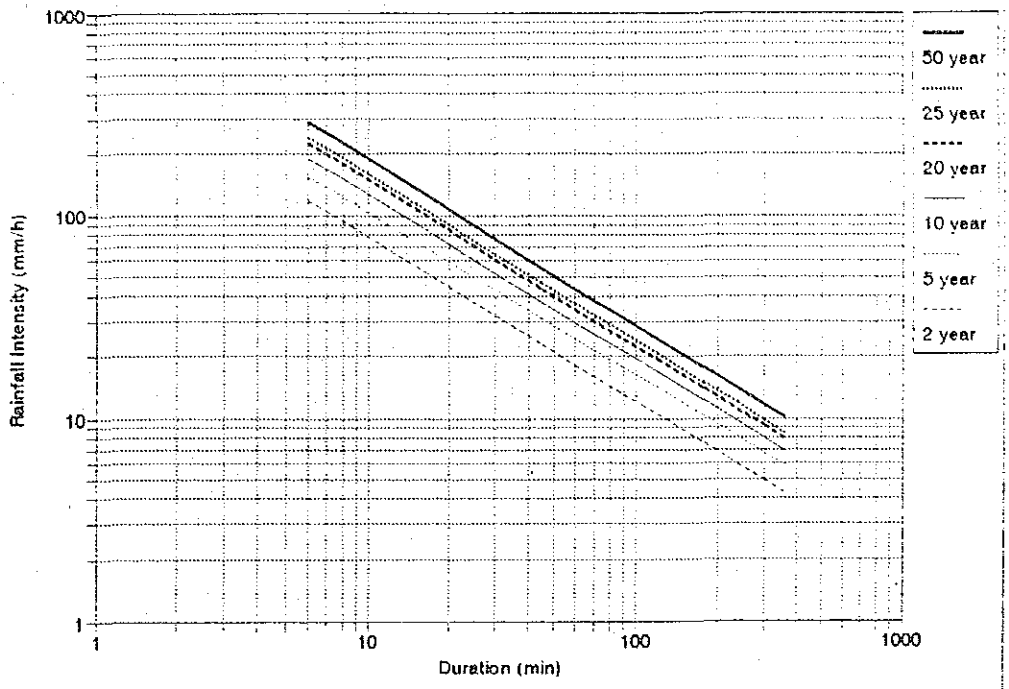


Figure 3.4 Courbes Intensité-Durée-Fréquence (2/4)

Tunis-Carthage (I = a x T^b / t^c)

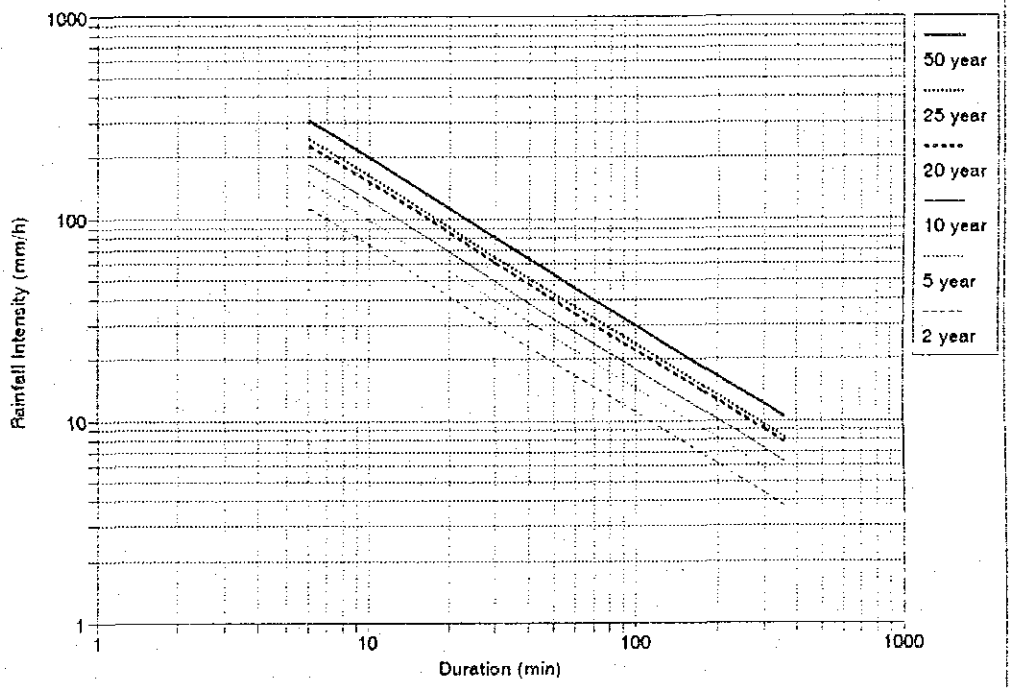


Figure 3.4 Courbes Intensité-Durée-Fréquence (3/4)

Monastir (I = b / t^a)

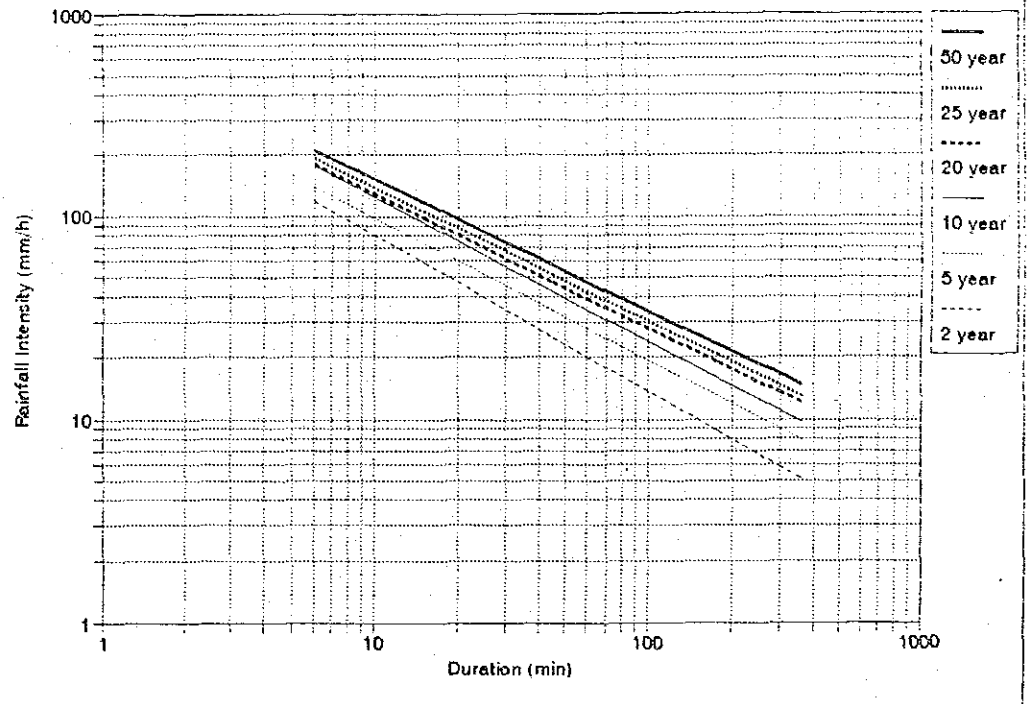
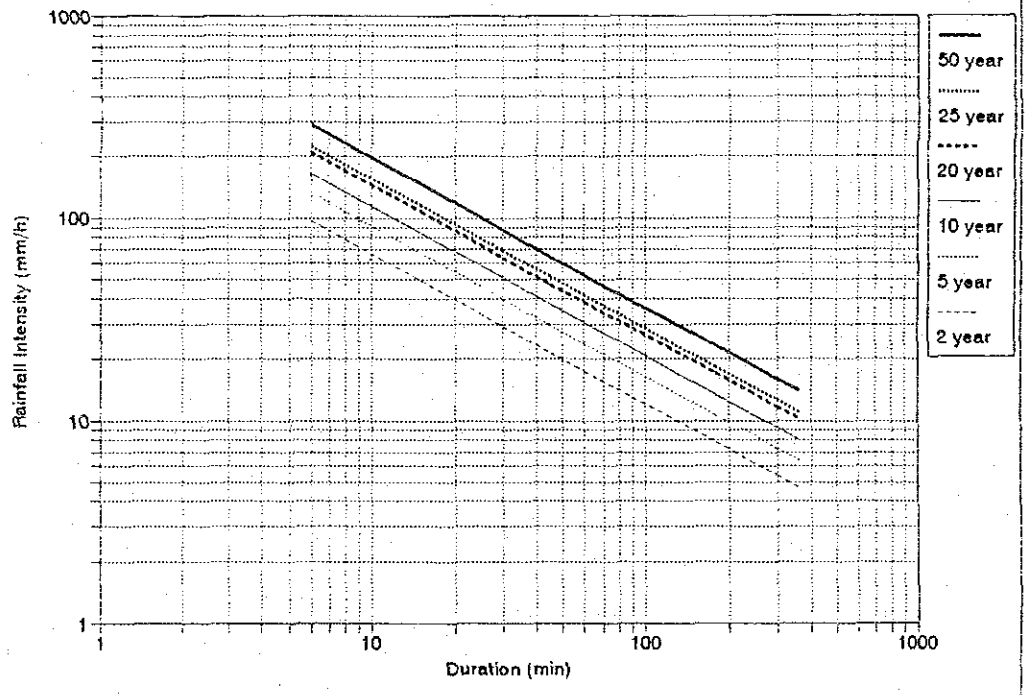


Figure 3.4 Courbes Intensité-Durée-Fréquence (4/4)

Monastir (I = a x T^b / t^c)



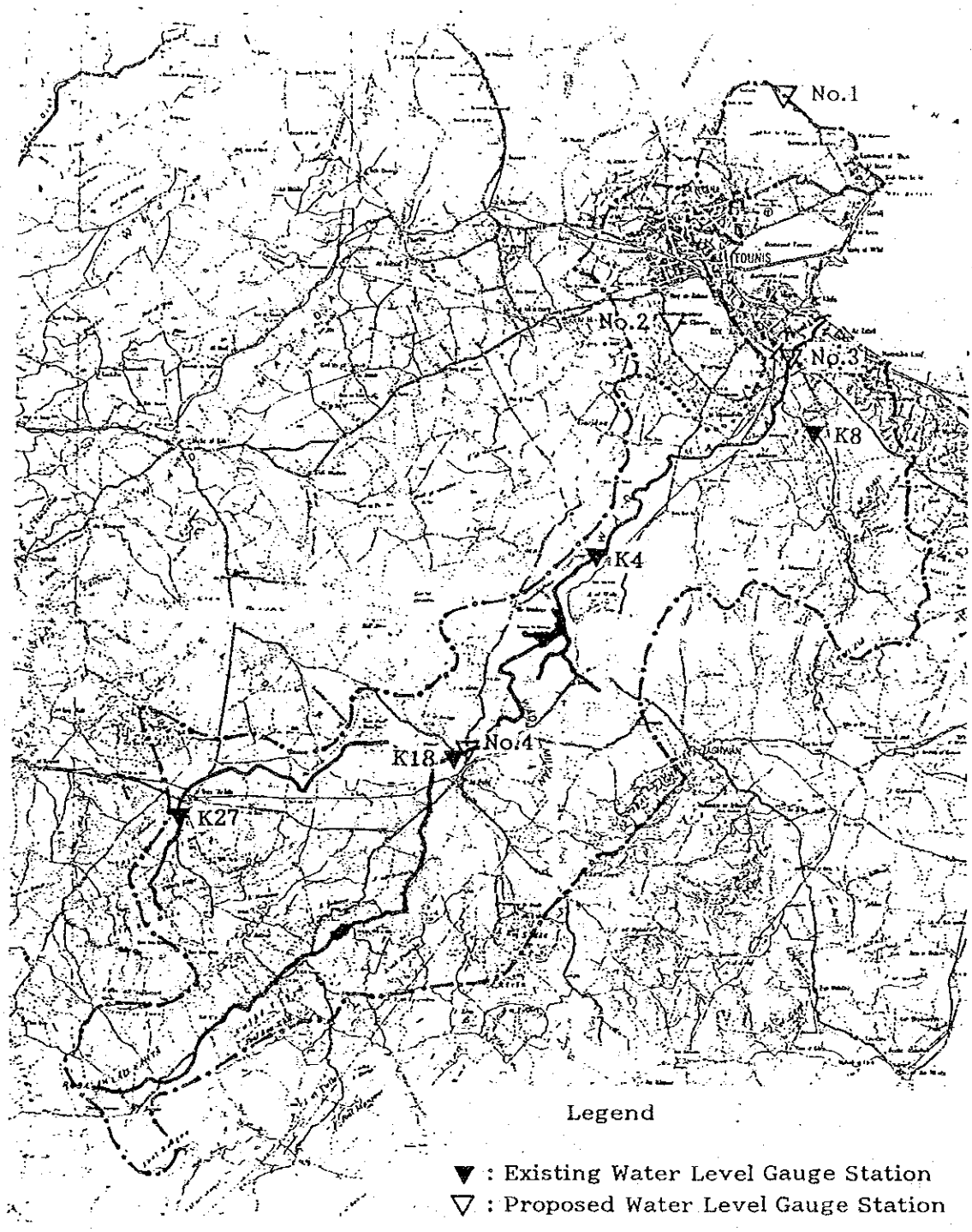


Figure 3.5 Localisation des Limnigraphes (1/2)

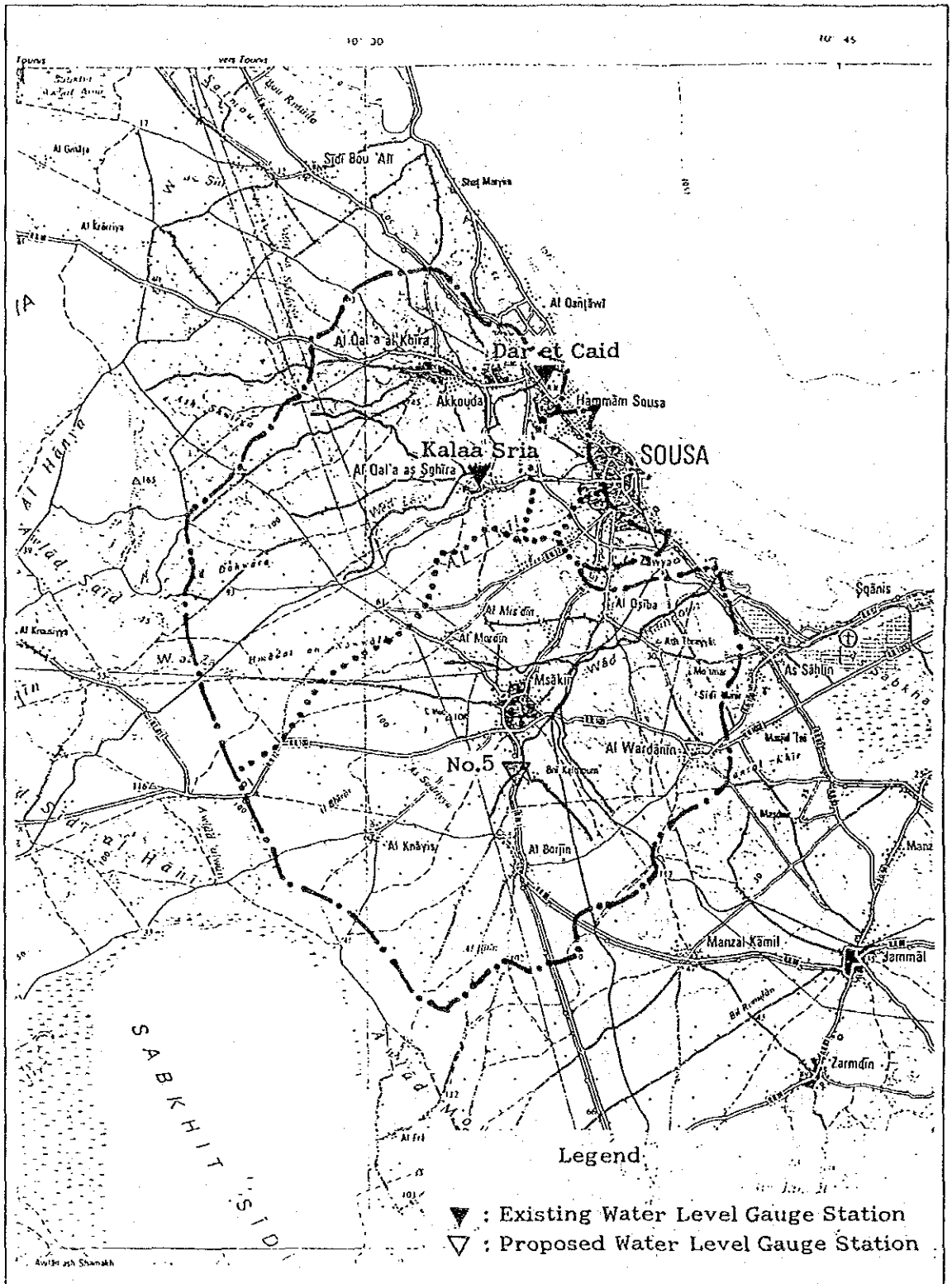


Figure 3.5 Localisation des Limnigraphes (2/2)

Figure 3.6 Température Mensuelle Moyenne de l'air (1/3)

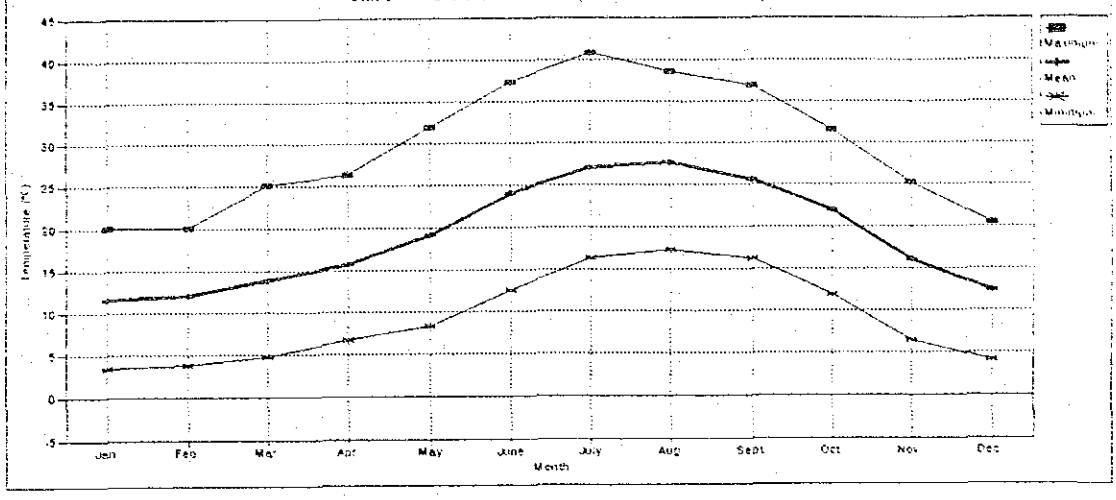


Figure 3.6 Température Mensuelle Moyenne de l'air (2/3)

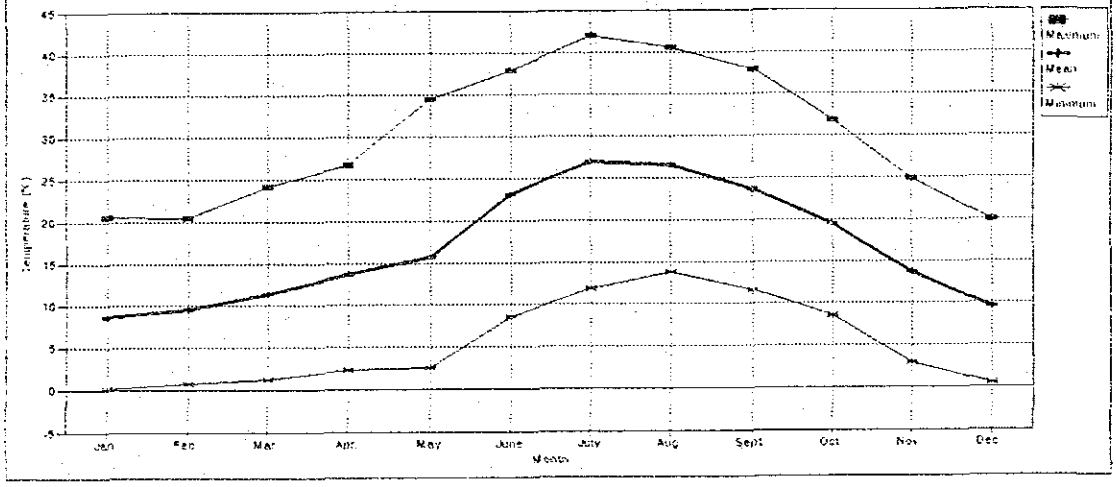


Figure 3.6 Température Mensuelle Moyenne de l'air (3/3)

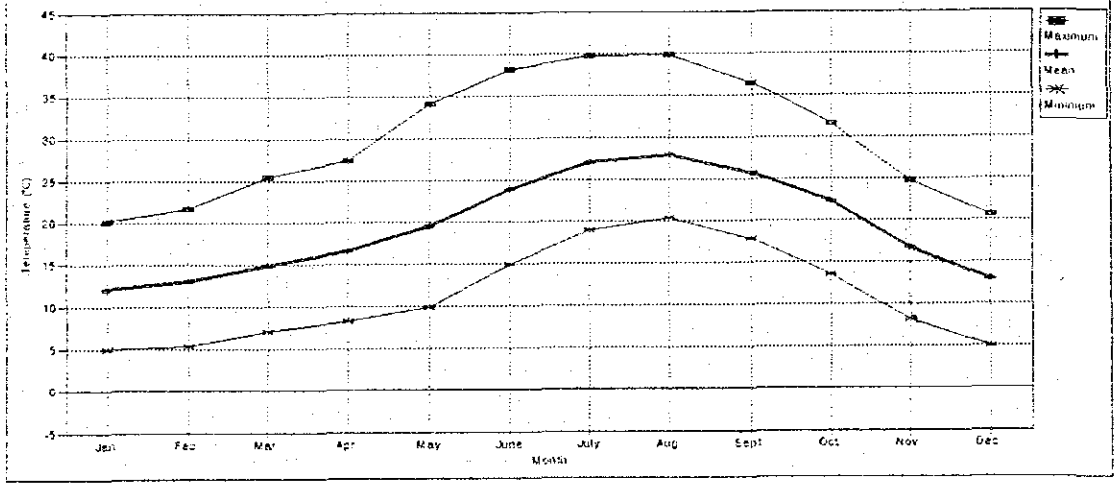


Figure 3.7 Humidité Relative Mensuelle Moyenne

(Sept. 1986 - Dec. 1991)

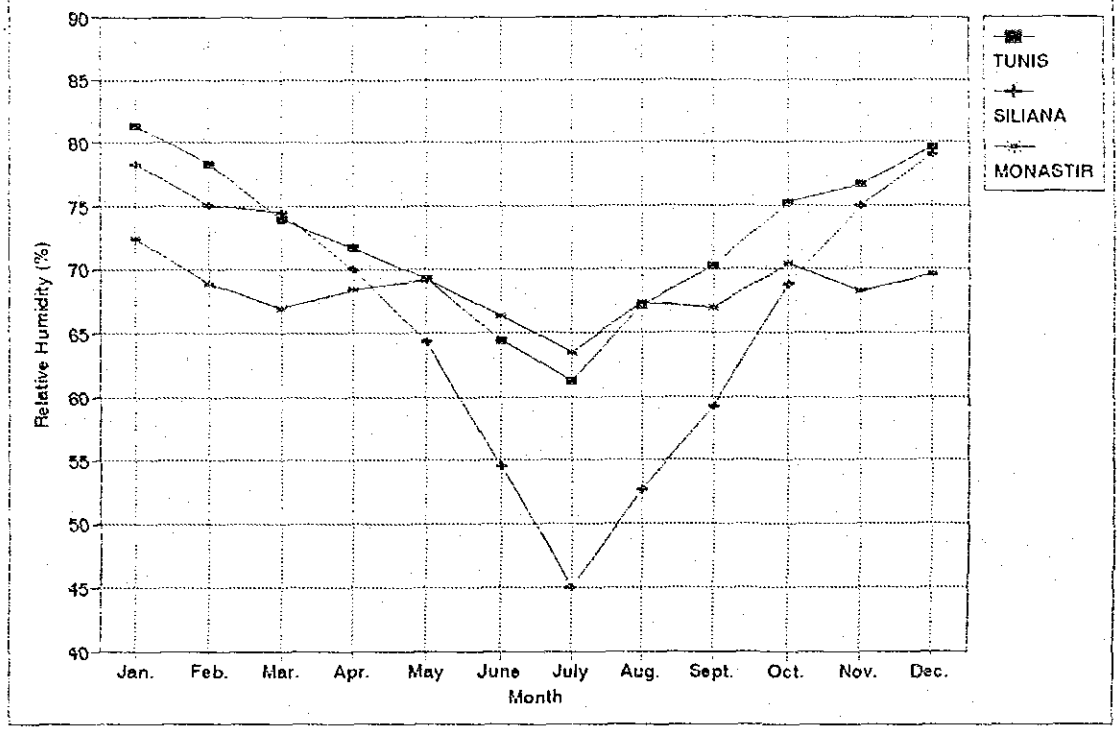


Figure 3.8 Durée Mesuelle de l'Ensoleillement

(Sept. 1986 - Dec. 1991)

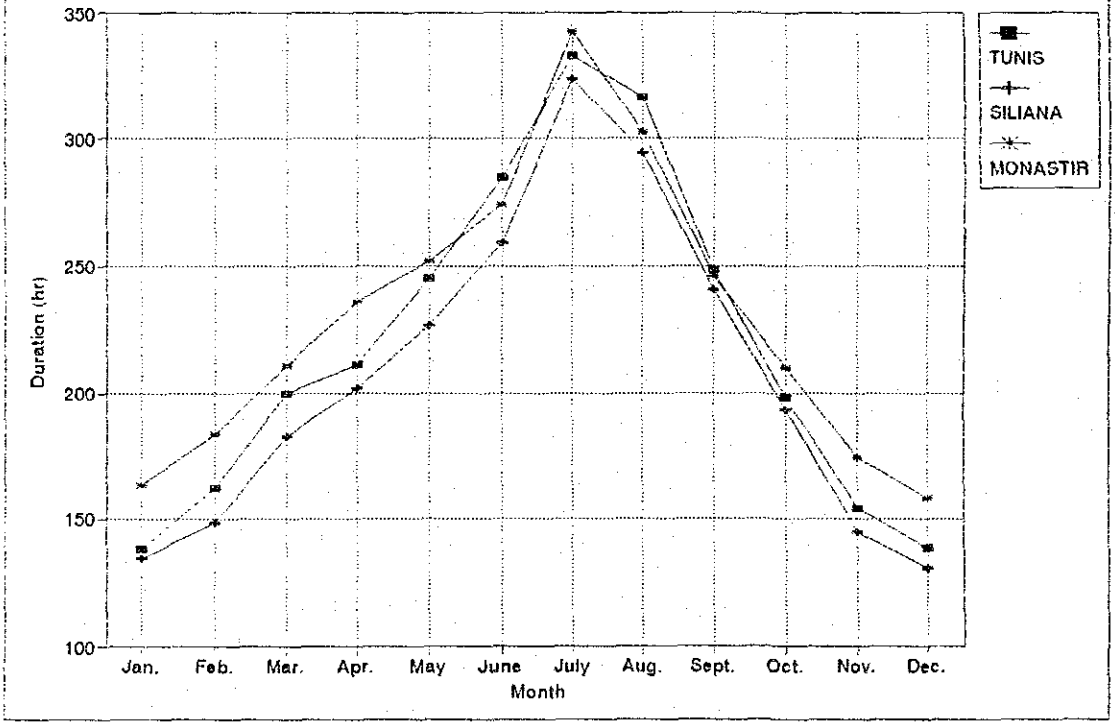


Figure 3.9 Evapotranspiration Mensuelle et Pluie (1/2)

Tunis (Sept. 1986 - Aug. 1991)

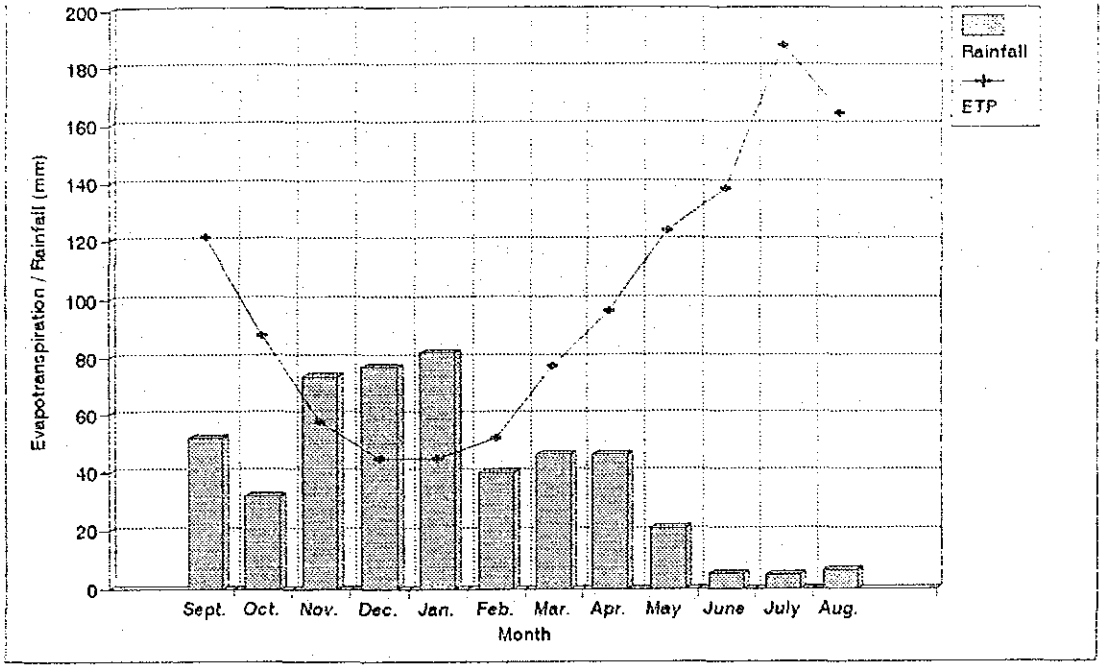


Figure 3.9 Evapotranspiration Mensuelle et Pluie (2/2)

Sousse (Sept. 1986 - Aug. 1991)

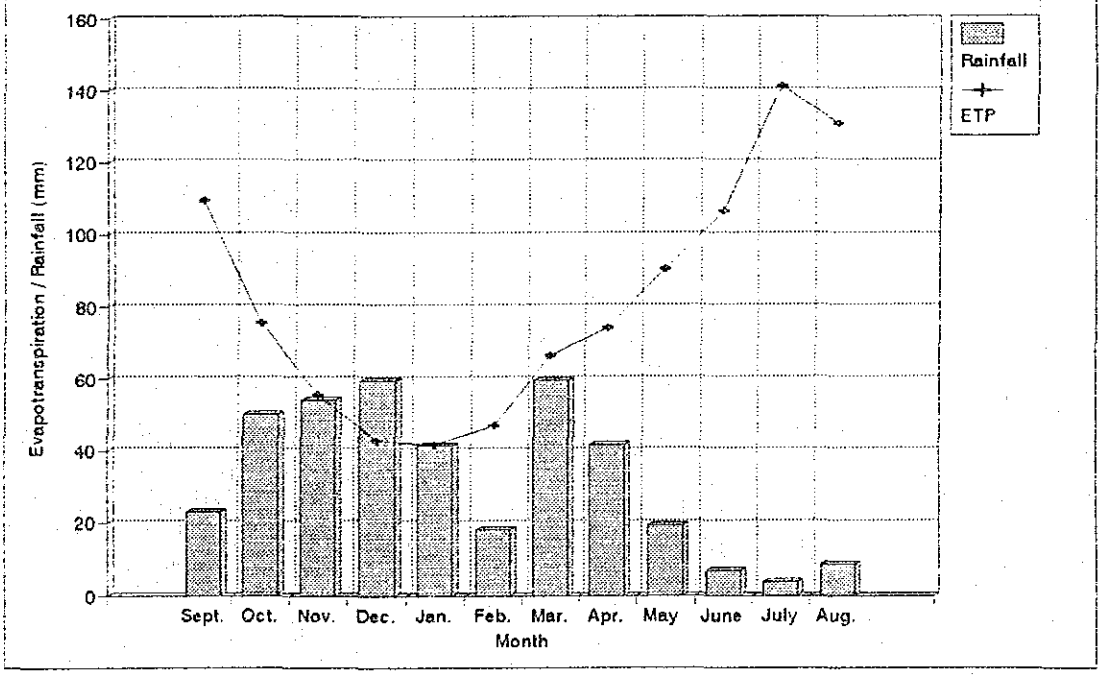


Figure 3.10 Hauteur de la Pluie Mensuelle (1/3)

Tunis-Carthage (Sept. 1985 - Dec.1991)

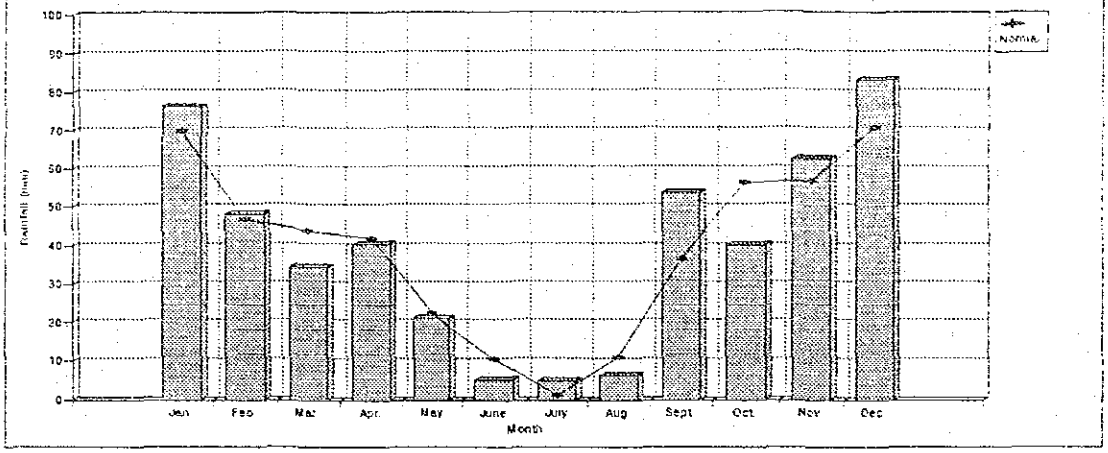


Figure 3.10 Hauteur de la Pluie Mensuelle (2/3)

Siliana (Sept. 1986 - Dec.1991)

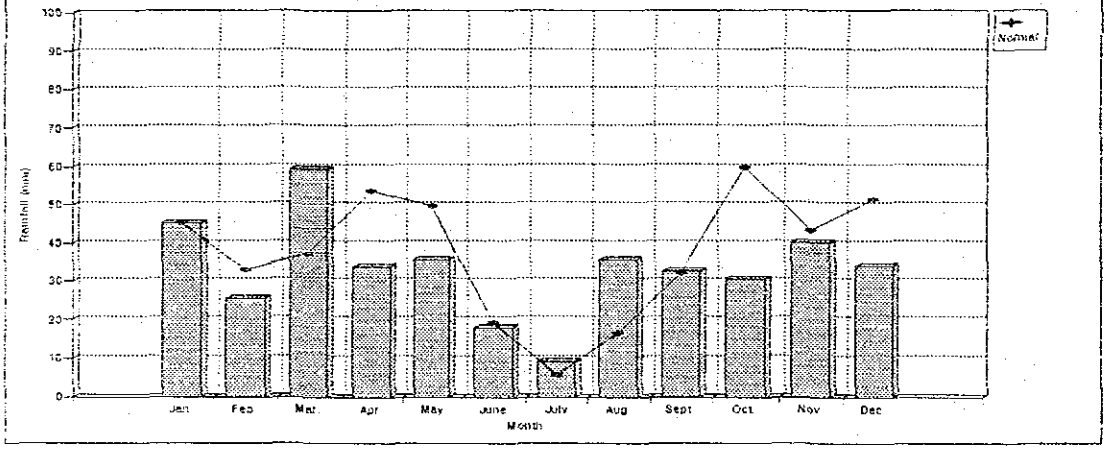


Figure 3.10 Hauteur de la Pluie Mensuelle (3/3)

Sousse (Sept. 1985 - Dec.1991)

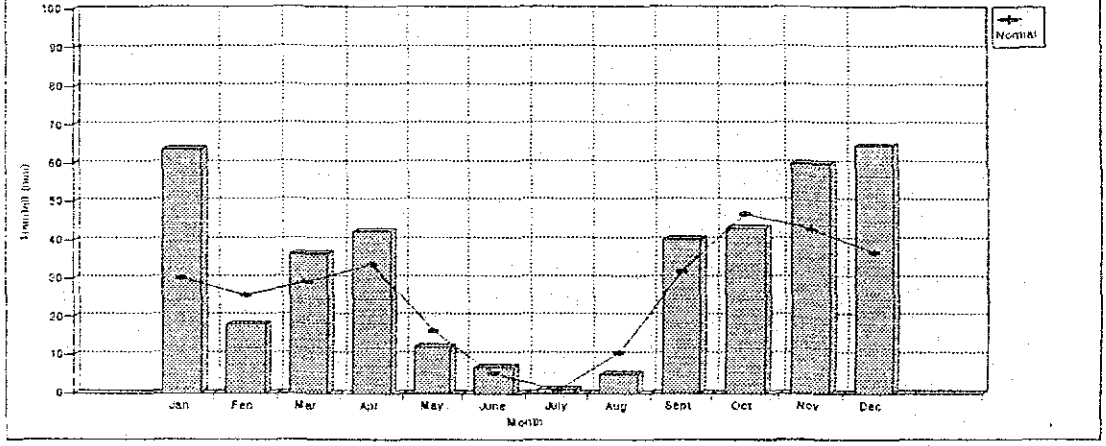


Figure 3.11 Pluie Annuelle à Tunis (1/5)

AIN DJAJA PONT DU FAHS

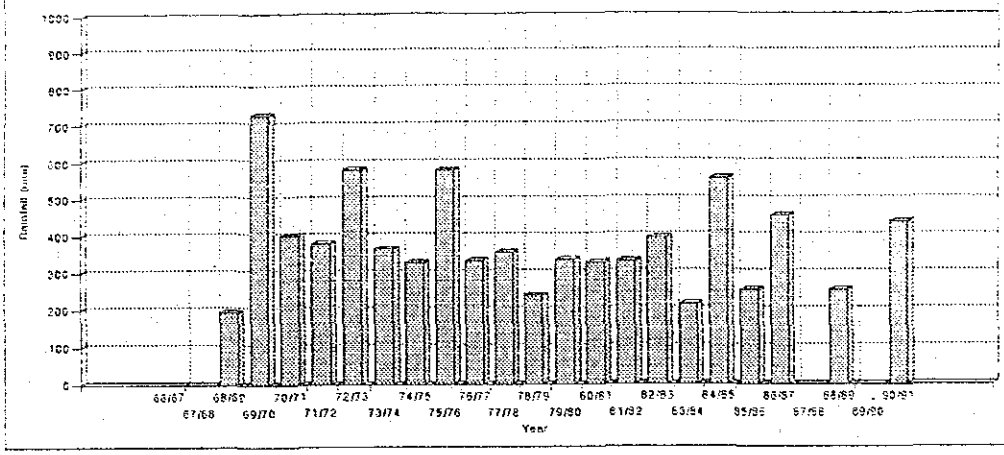


Figure 3.11 Pluie Annuelle à Tunis (2/5)

BIR MCHERGA SM

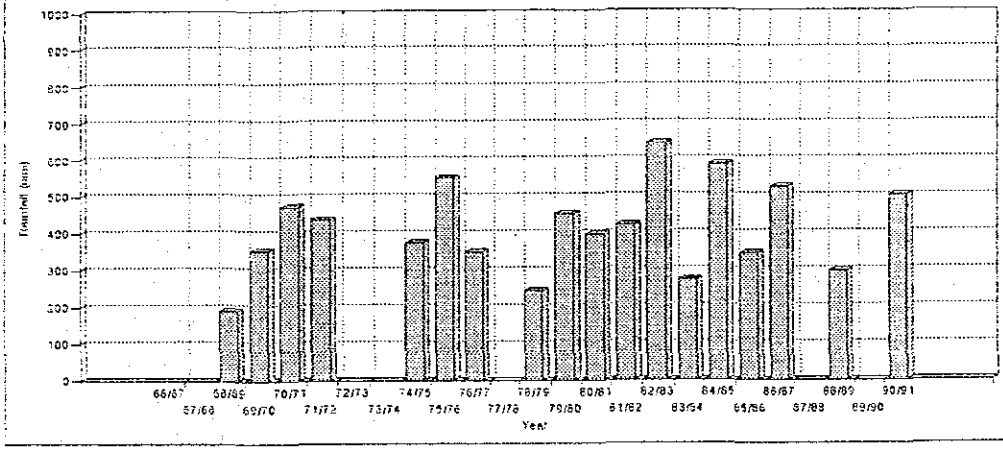


Figure 3.11 Pluie Annuelle à Tunis (3/5)

DOMAINE DECHAMUNE

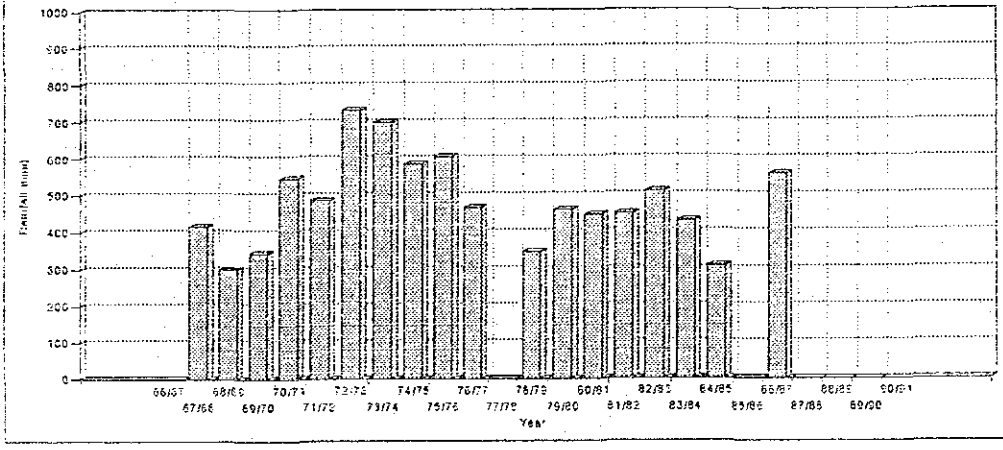


Figure 3.11 Pluie Annuelle à Tunis(4/5)

ROBAA GN

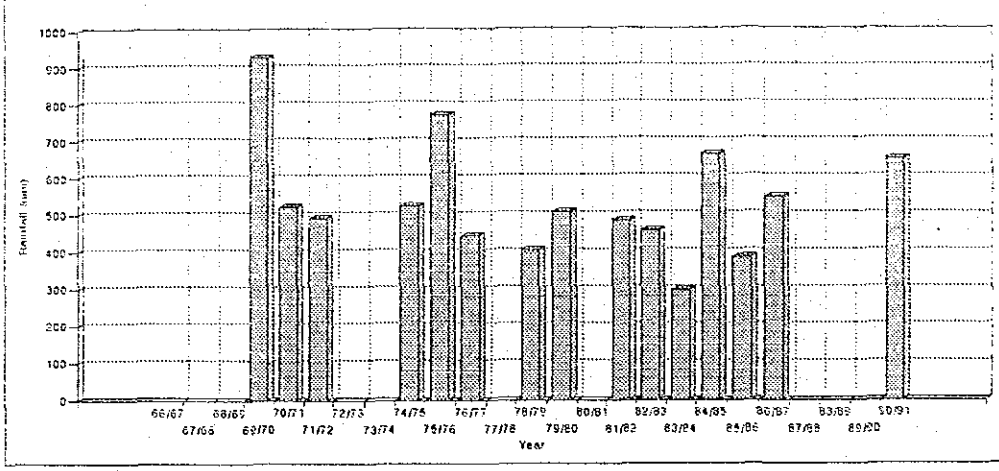


Figure 3.11 Pluie Annuelle à Tunis (5/5)

TUNIS CARTHAGE SM

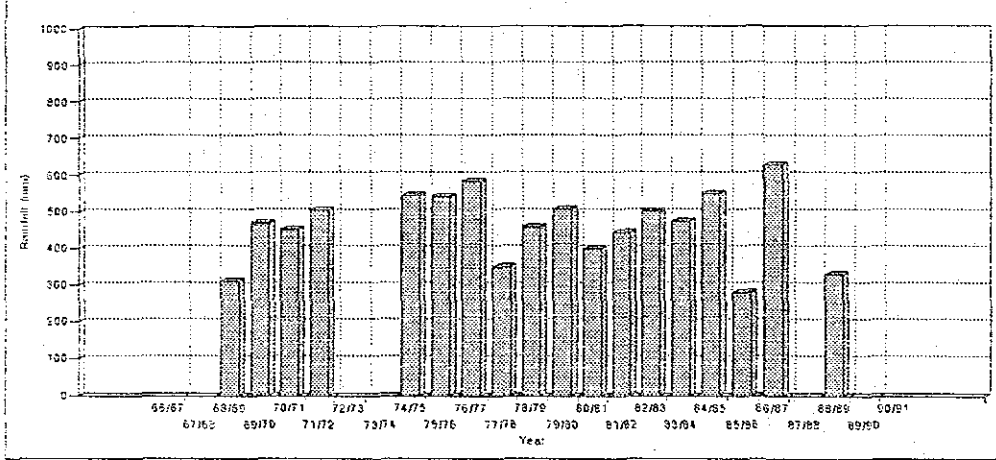


Figure 3.12 Pluie Mensuelle à Tunis (1/5)

AIN DJAJA PONT DU FAHS

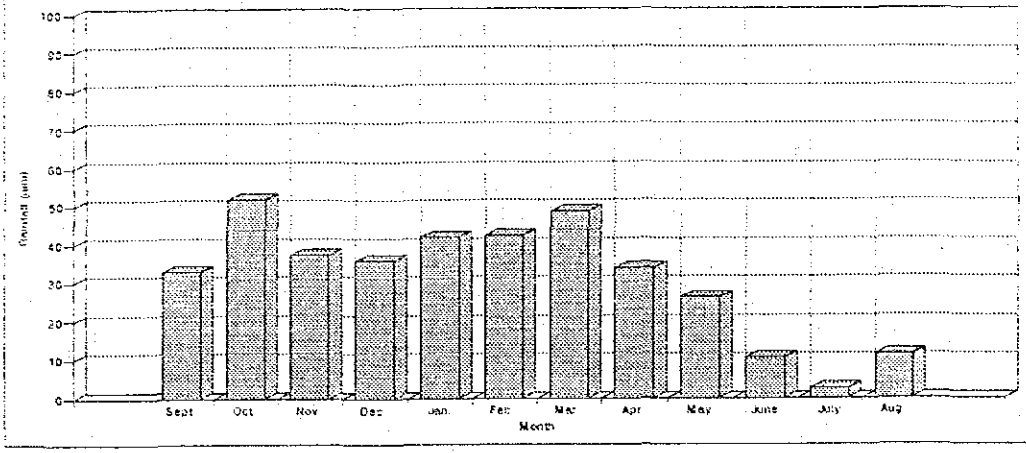


Figure 3.12 Pluie Mensuelle à Tunis (2/5)

BIR MCHERGA SM

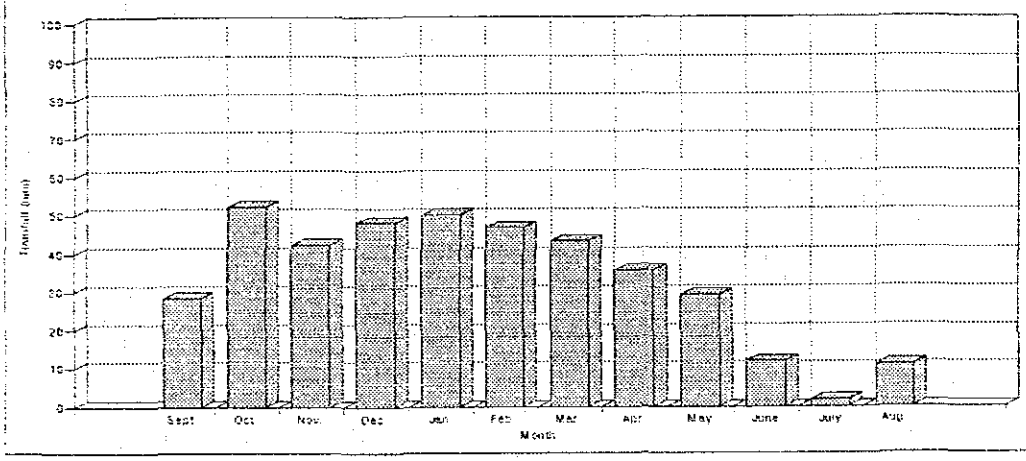


Figure 3.12 Pluie Mensuelle à Tunis (3/5)

DOMAINE DECHAMUNE

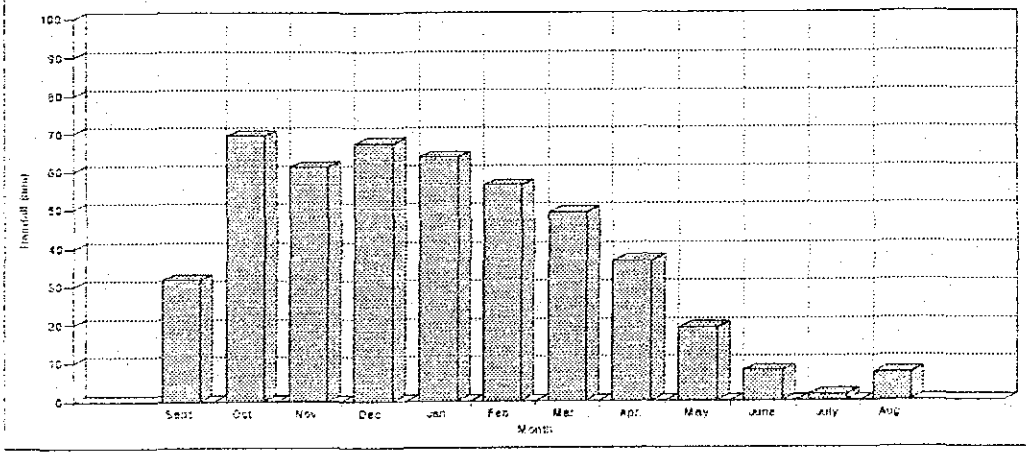


Figure 3.12 Pluie Mensuelle à Tunis (4/5)

ROBAA GN

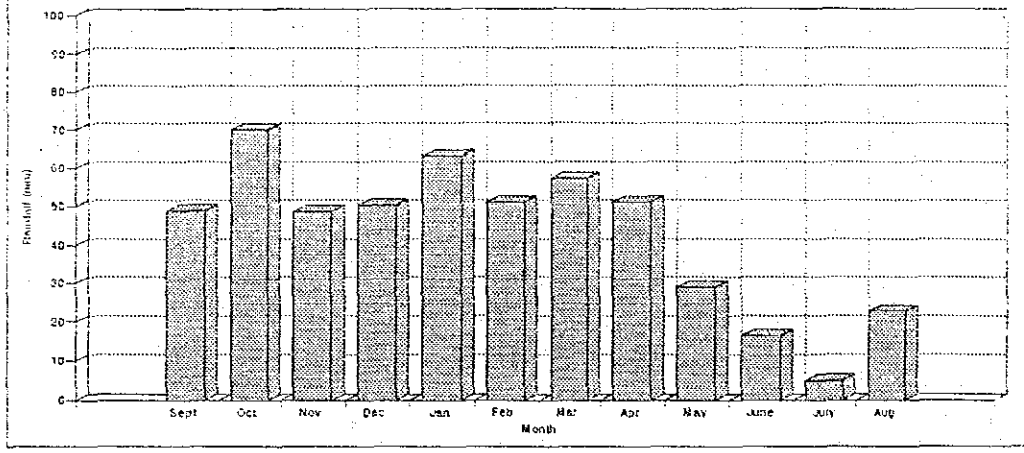
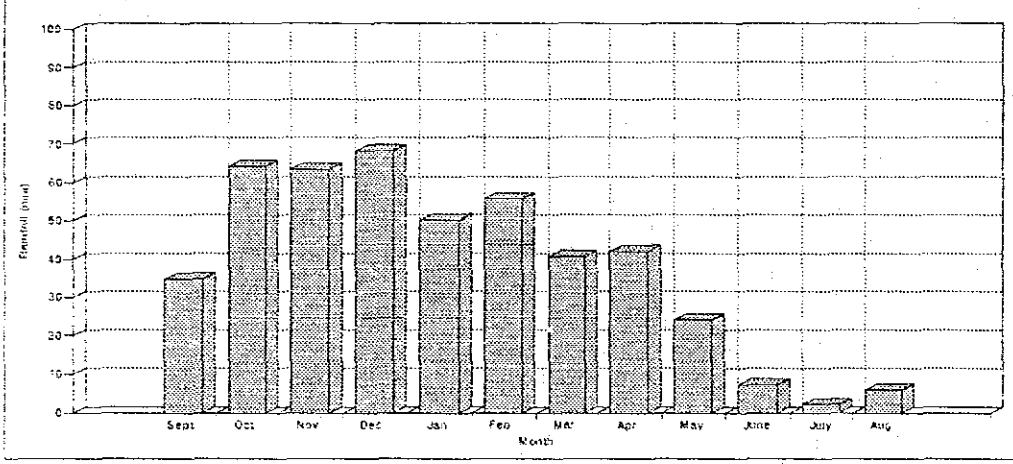


Figure 3.12 Pluie Mensuelle à Tunis(5/5)

TUNIS CARTHAGE SM



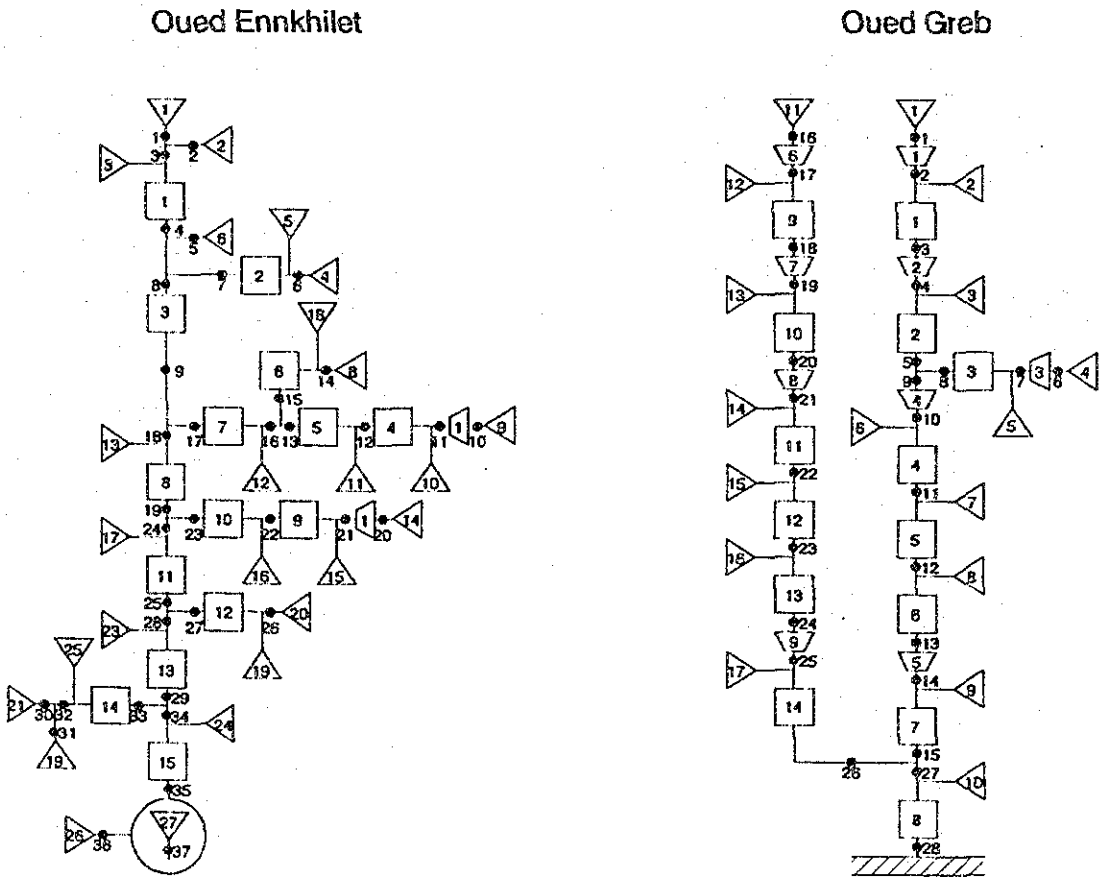


Figure 3.13 Réseau hydrographique à Tunis (1/3)

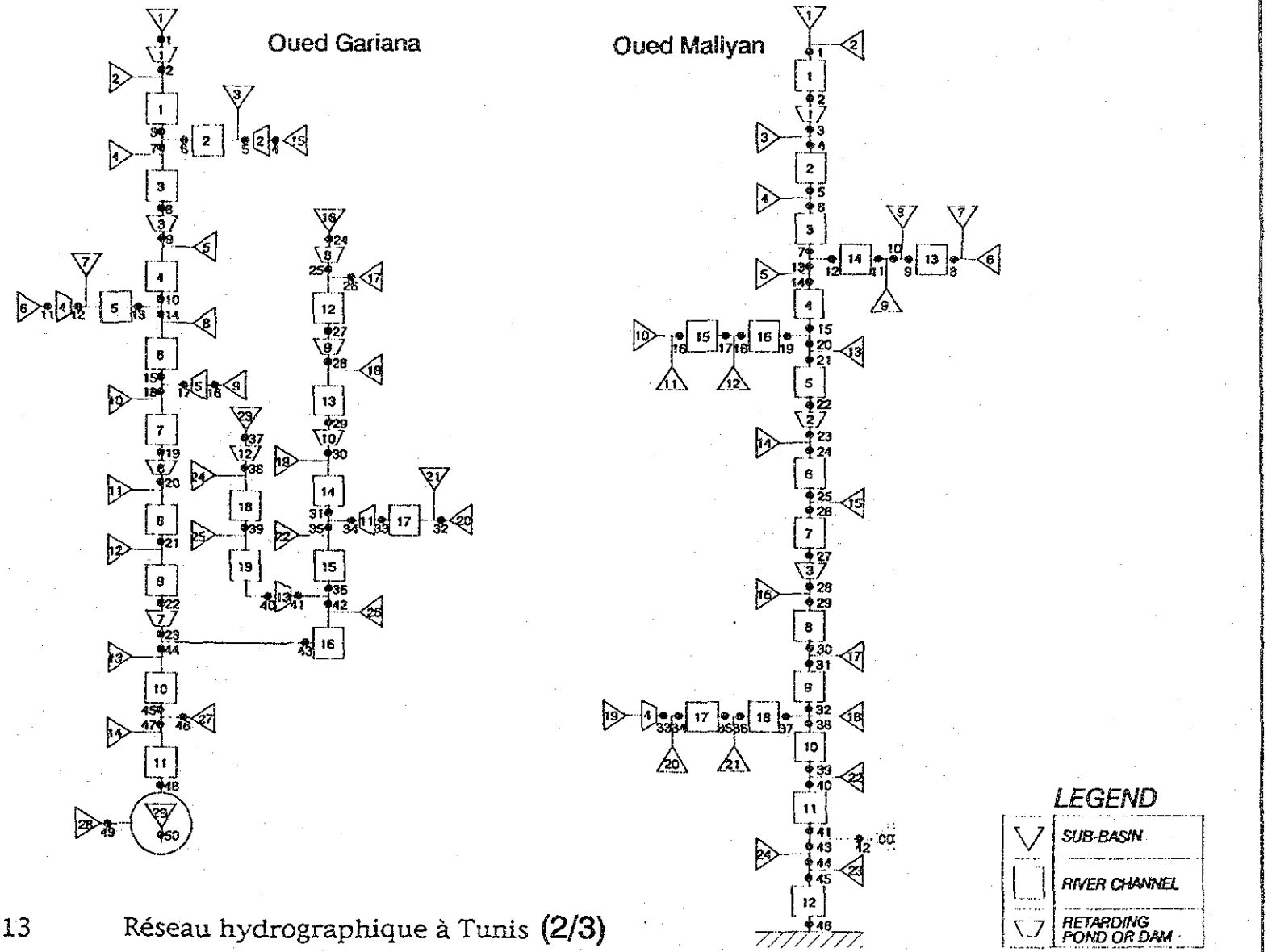
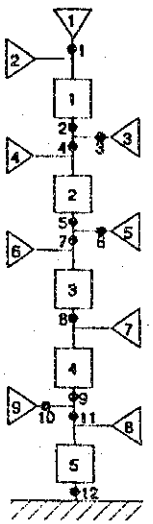
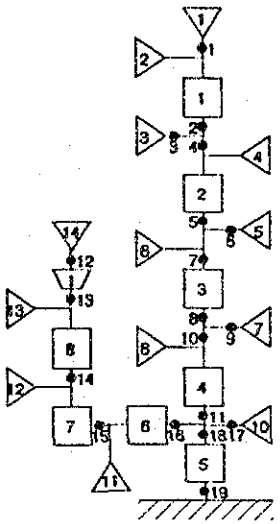


Figure 3.13 Réseau hydrographique à Tunis (2/3)

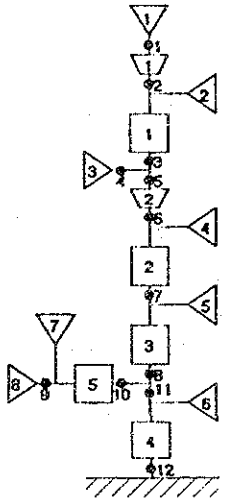
Oued Magzette



Oued Bou Khamsa



Oued Ain Zerga



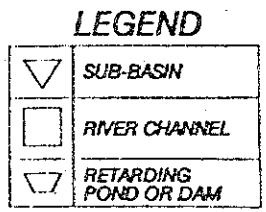


Figure 3.13 Réseau hydrographique à Tunis (3/3)

Figure 3.14 Débit Spécifique à Tunis (T=1/100) (1/6)

Oued Mayzette Basin

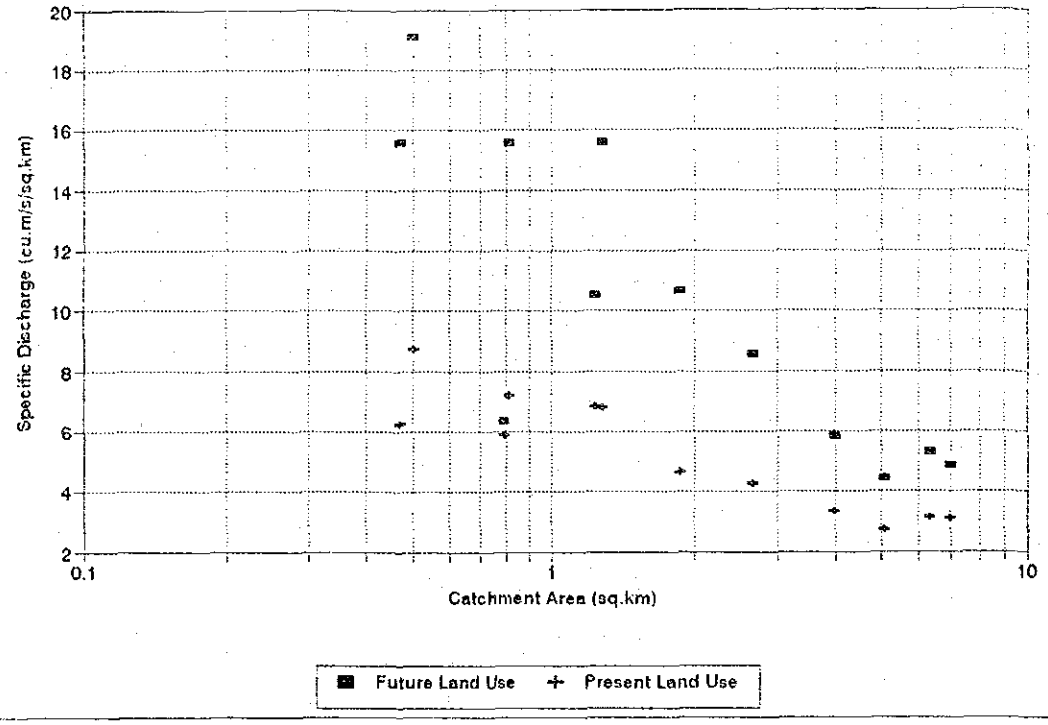


Figure 3.14 Débit Spécifique à Tunis (T=1/100) (2/6)

Oued Ennkhilet Basin

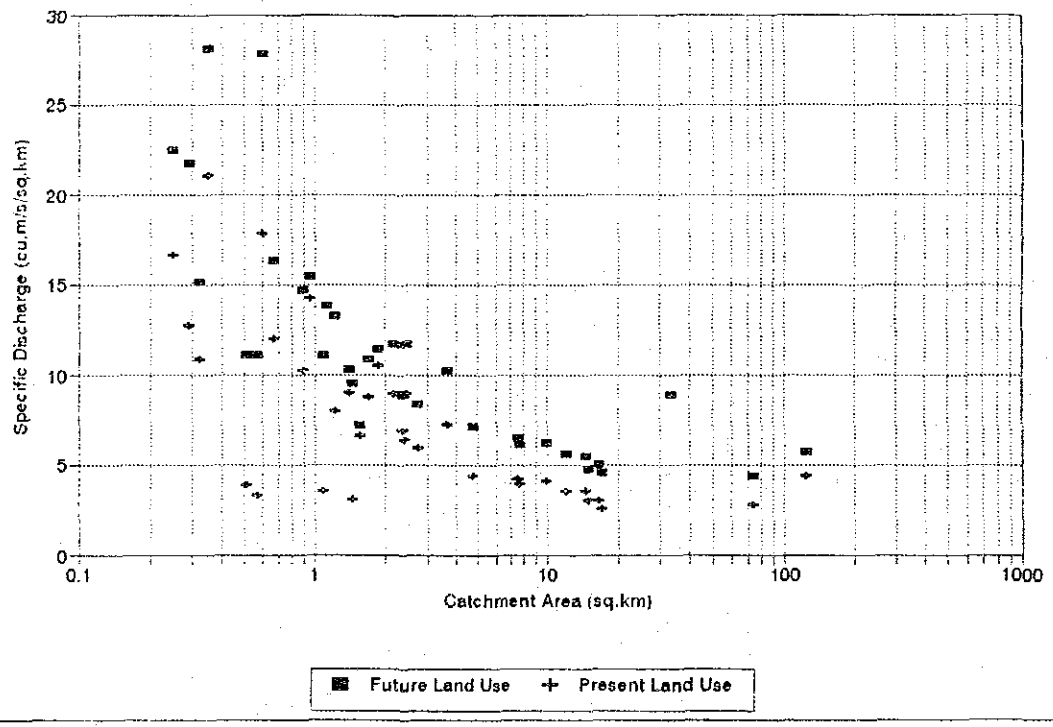


Figure 3.14 Débit Spécifique à Tunis (T=1/100) (3/6)

Oued Greb Basin

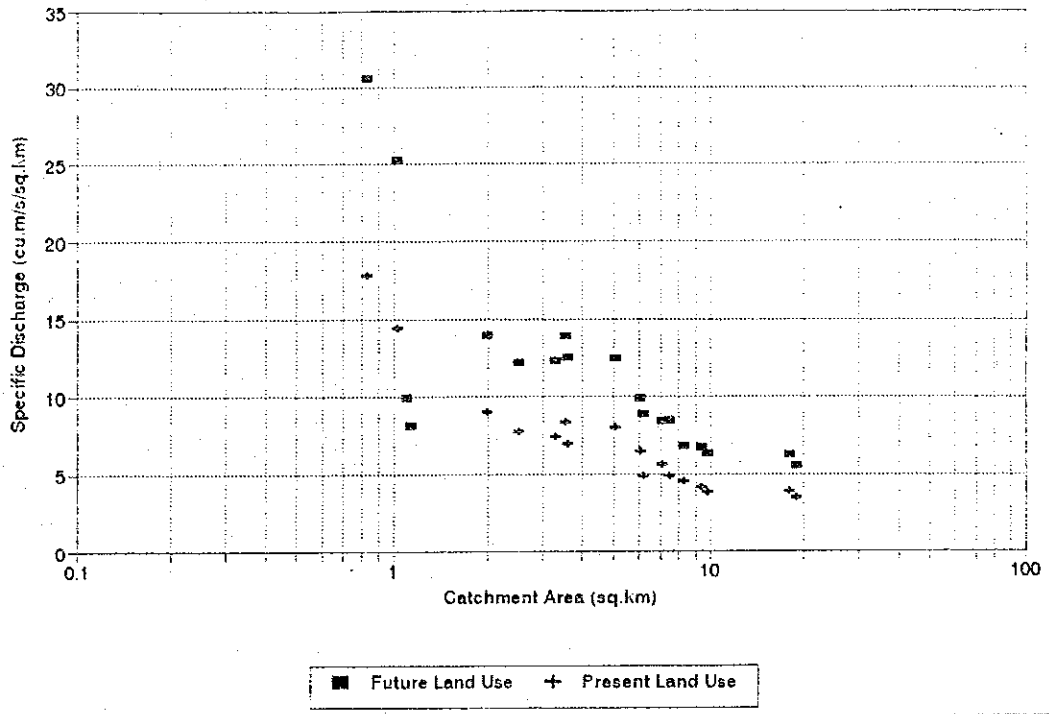


Figure 3.14 Débit Spécifique à Tunis (T=1/100) (4/6)

Oued Gariana Basin

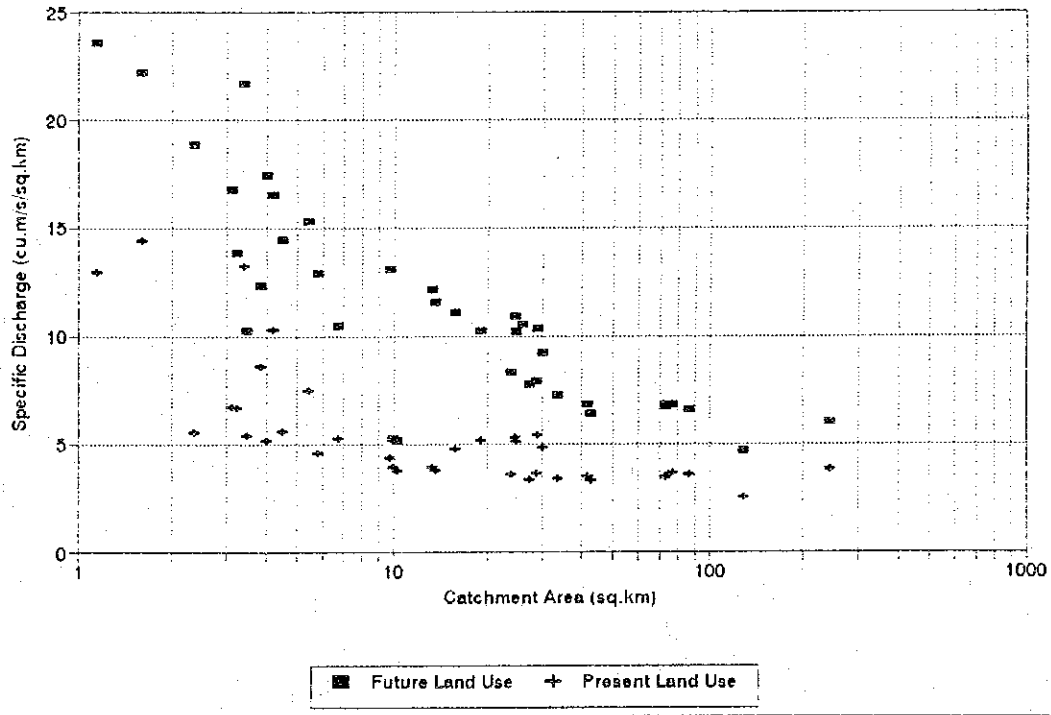


Figure 3.14 Débit Spécifique à Tunis (T=1/100) (5/6)

Oued Bou Khamsa Basin

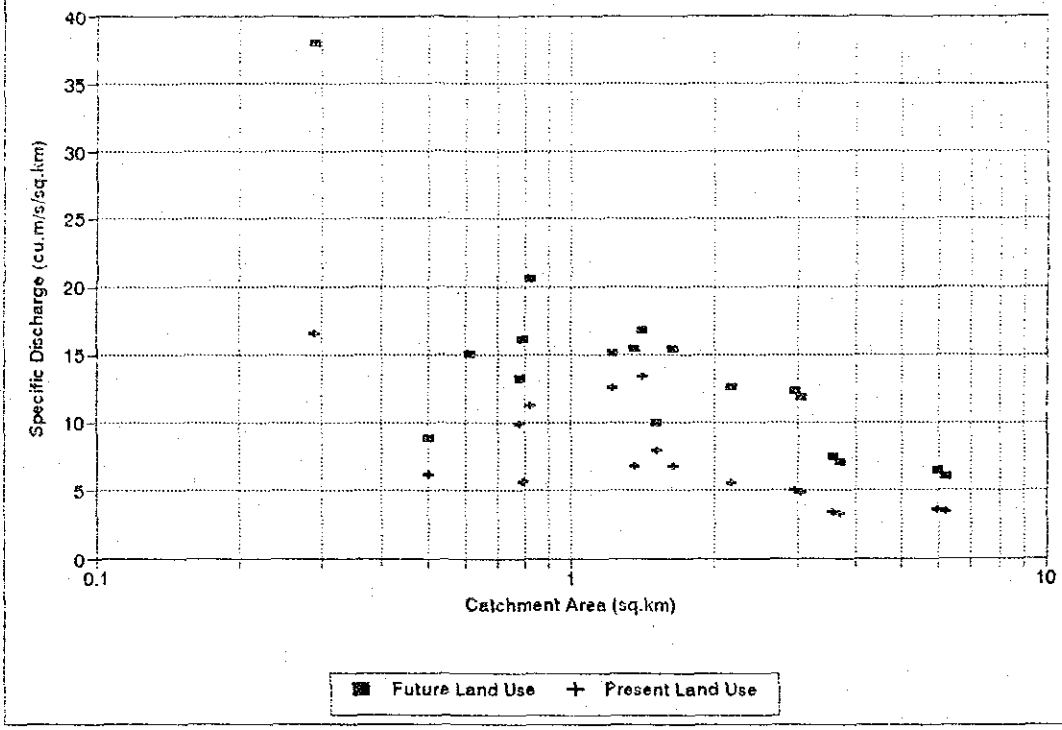


Figure 3.14 Débit Spécifique à Tunis (T=1/100) (6/6)

Oued Ain Zerga Basin

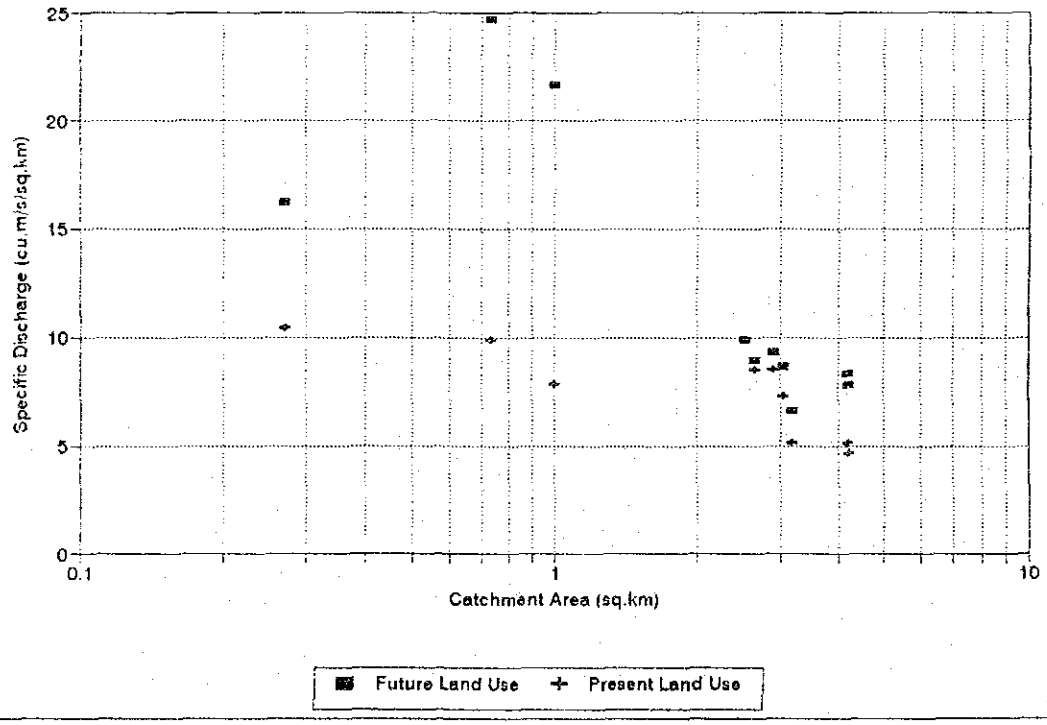


Figure 3.15 Pluie projet à Tunis (par la méthode des blocks alternatifs) (1/2)
(example : developed in 60-min increment for 100-year 24-hour)

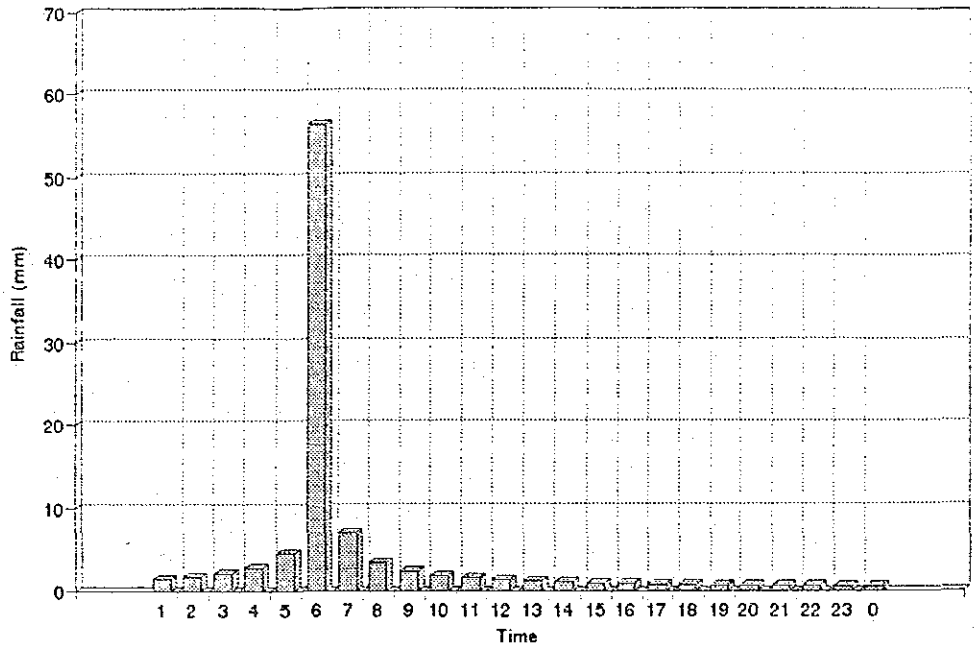


Figure 3.15 Pluie projet à Tunis (par la méthode des blocks alternatifs) (2/2)
(example : developed in 60-min increment for 10-year 24-hour)

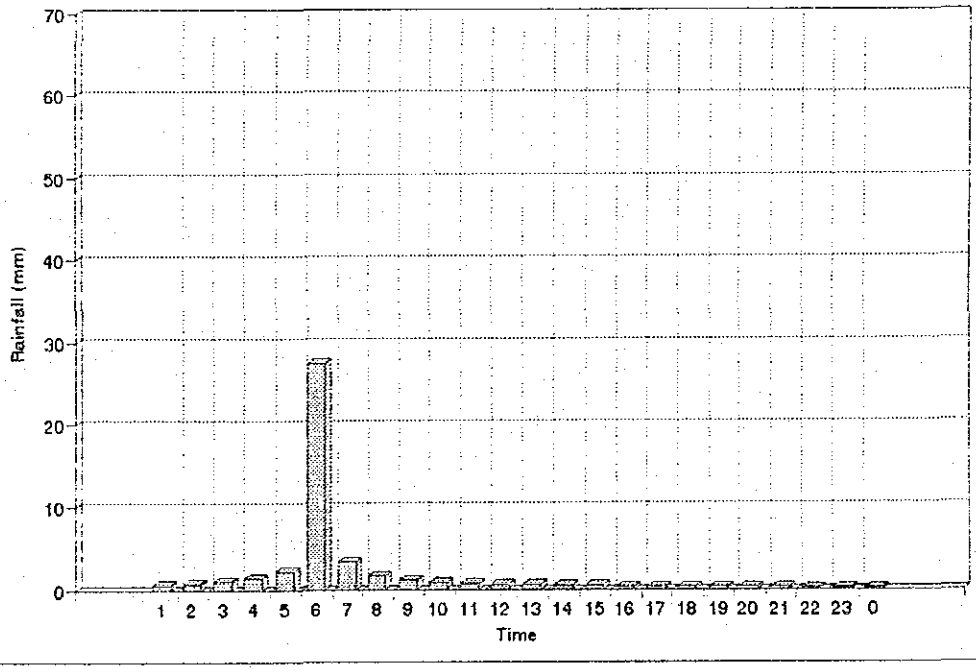


Figure 3.16 Hyétogramme observé à Tunis (1/6)

Station : Tunis-Mahrubia (47835), 27 - 29, Mar.'73 Flood

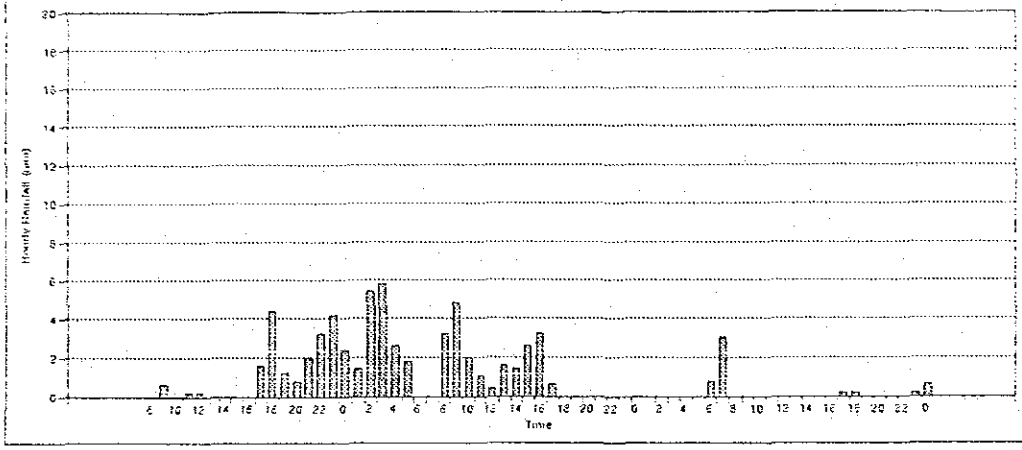


Figure 3.16 Hyétogramme observé à Tunis (2/6)

Station : Pont Du Fahs (45246), 27 - 29, Mar.'73 Flood

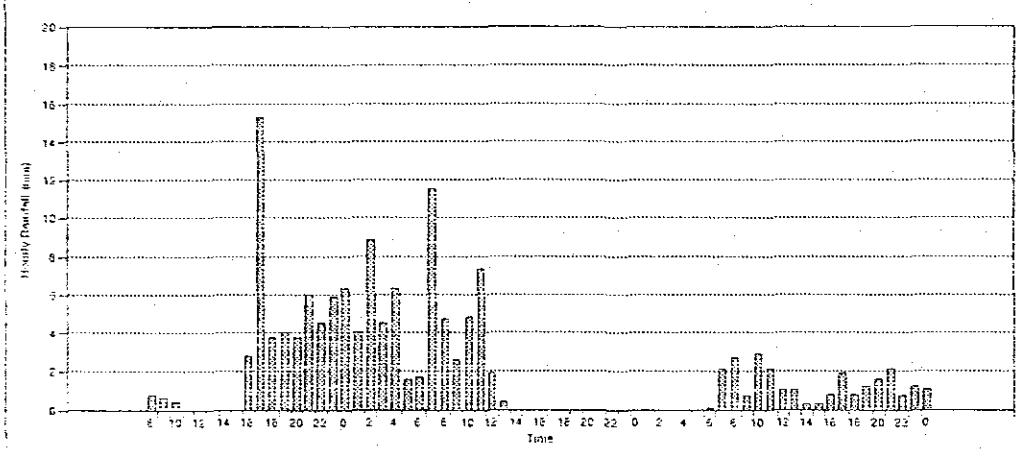


Figure 3.16 Hyétogramme observé à Tunis (3/6)

Station : Barrage Kebir (45232), 27 - 29, Mar.'73 Flood

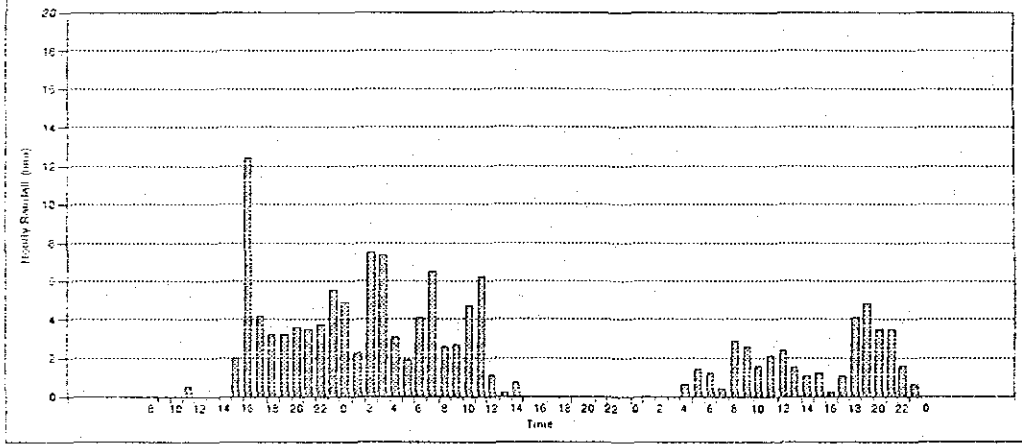


Figure 3.16 Hyétogramme observé à Tunis (4/6)

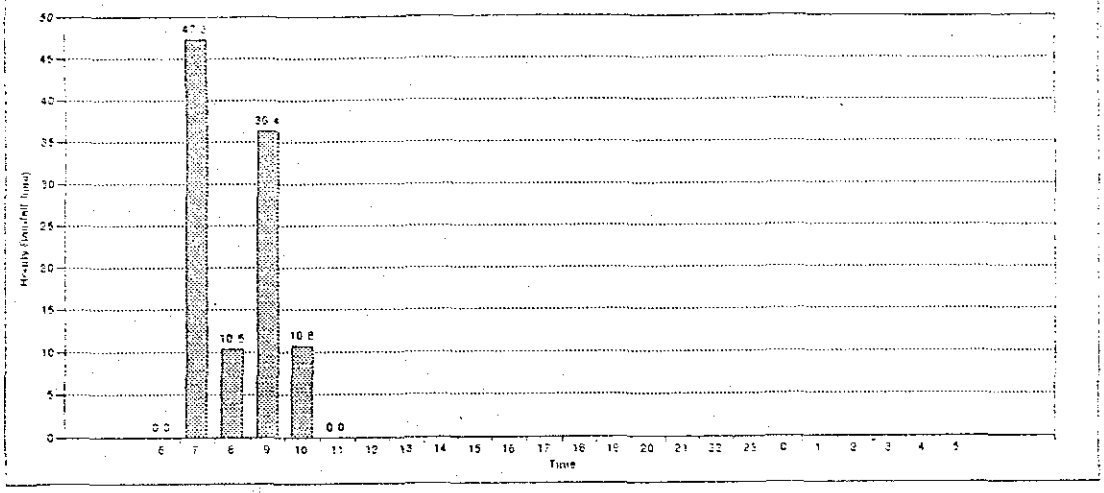


Figure 3.16 Hyétogramme observé à Tunis (5/6)

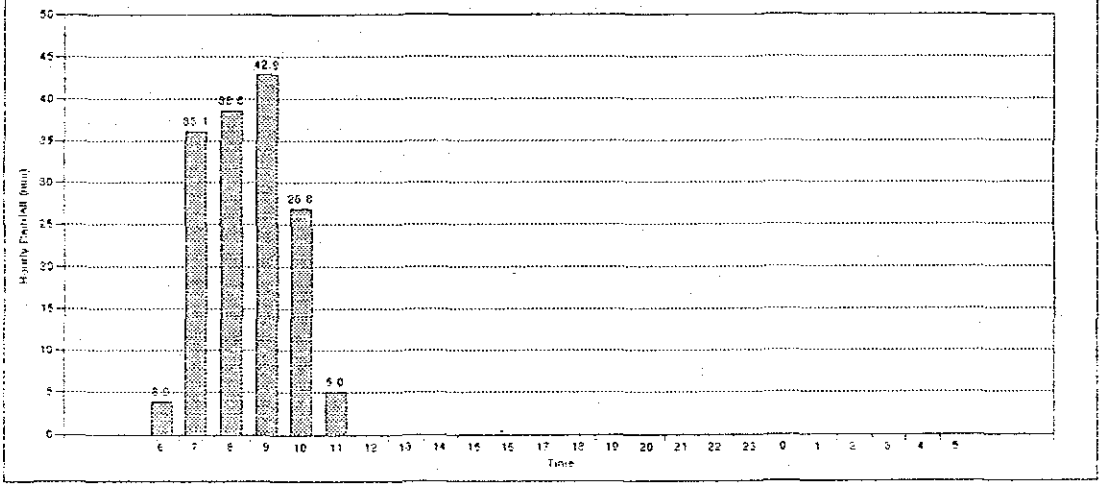


Figure 3.16 Hyétogramme observé à Tunis (6/6)

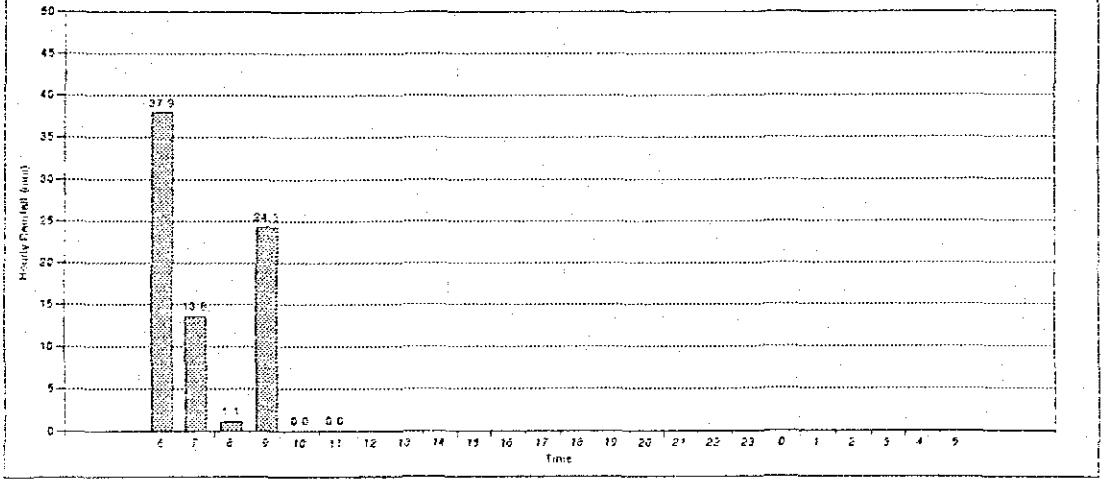
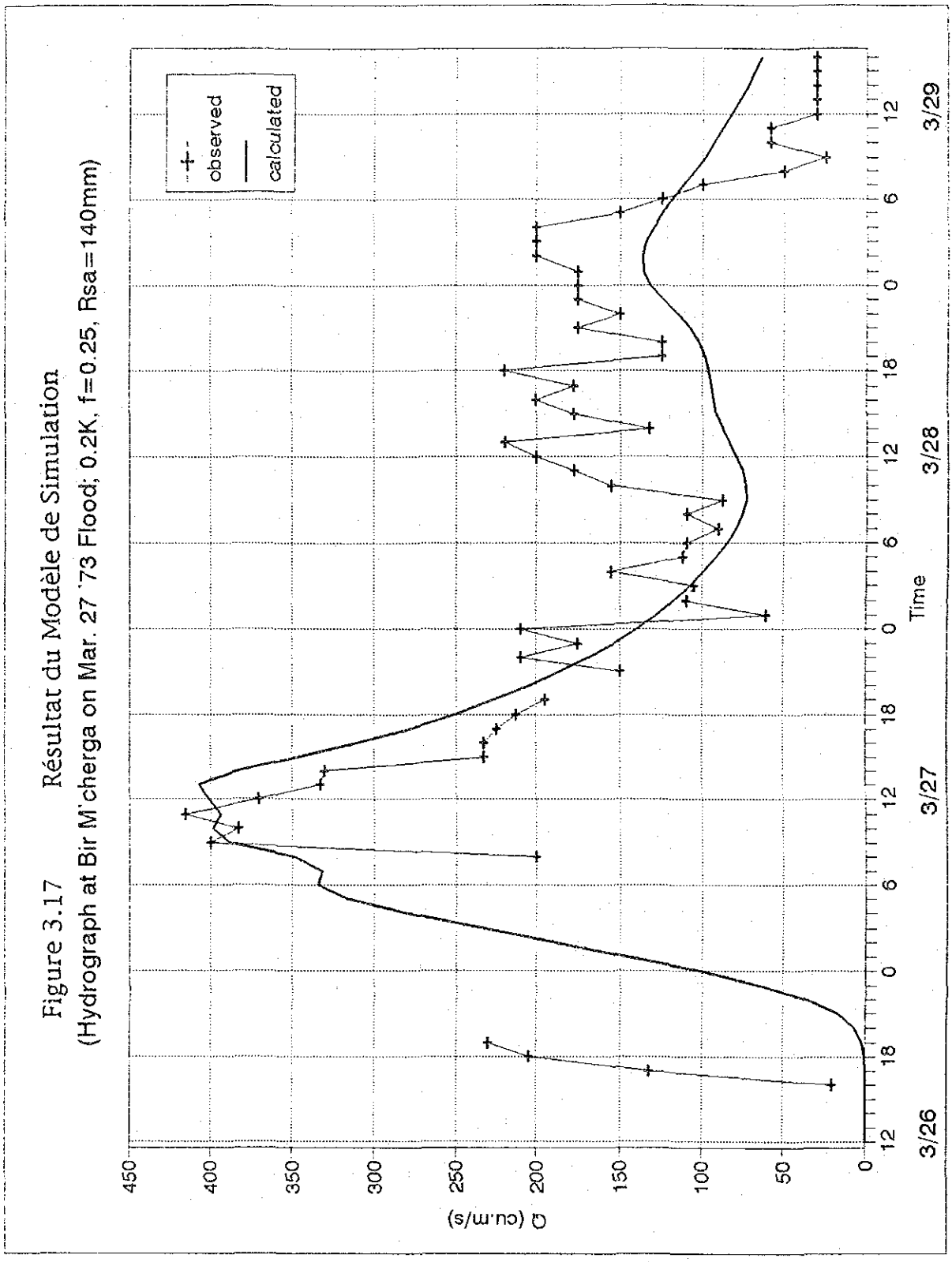


Figure 3.17 Résultat du Modèle de Simulation
(Hydrograph at Bir M'cherga on Mar. 27 '73 Flood; 0.2K, f=0.25, Rsa=140mm)



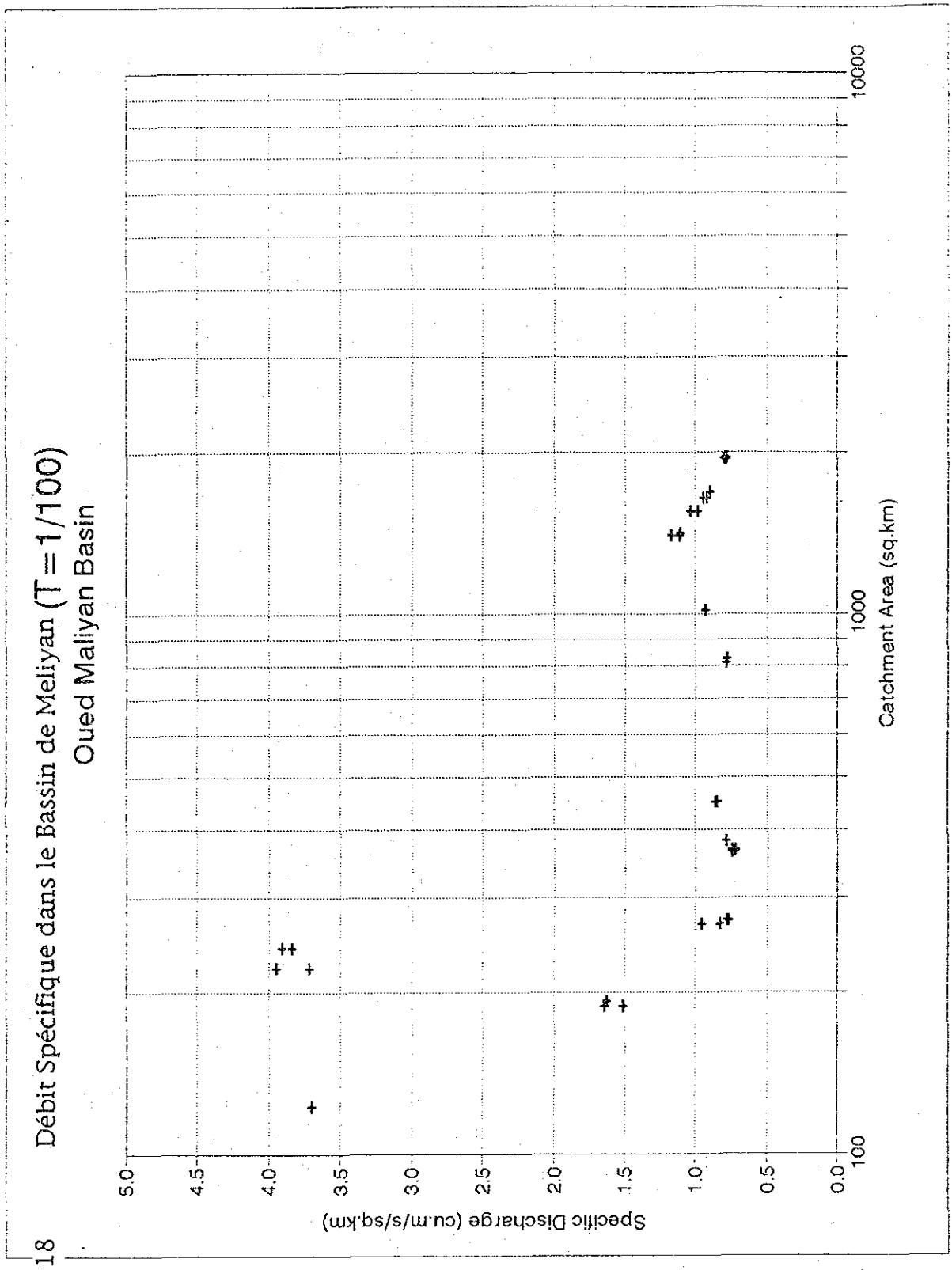

Débit Spécifique dans le Bassin de Meliyan (T=1/100)
Oued Maliyan Basin
Specific Discharge (cu.m/s/sq.km)
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
100
1000
10000
Catchment Area (sq.km)

Figure 3.18

Figure 3.19 Pluie Annuelle à Sousse (1/2)

KALAA SEGHIRA

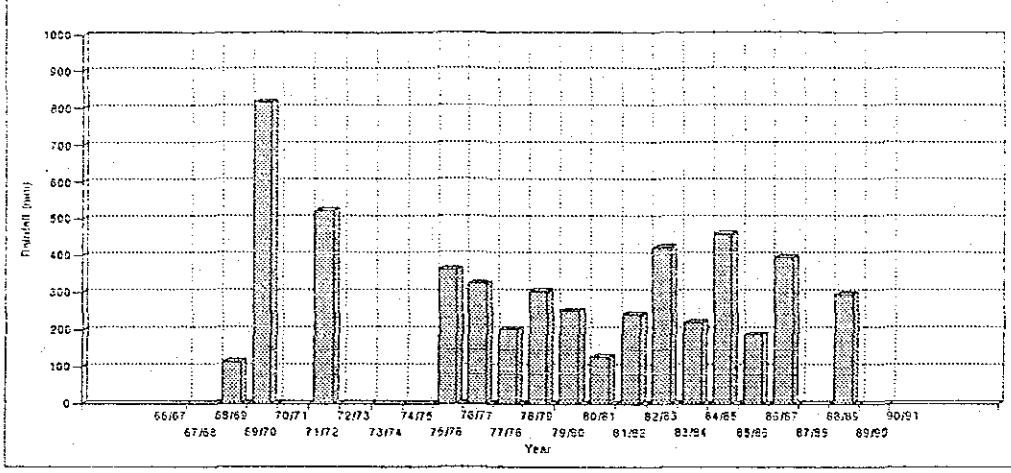


Figure 3.19 Pluie Annuelle à Sousse (2/2)

MASAKEN DELG SM

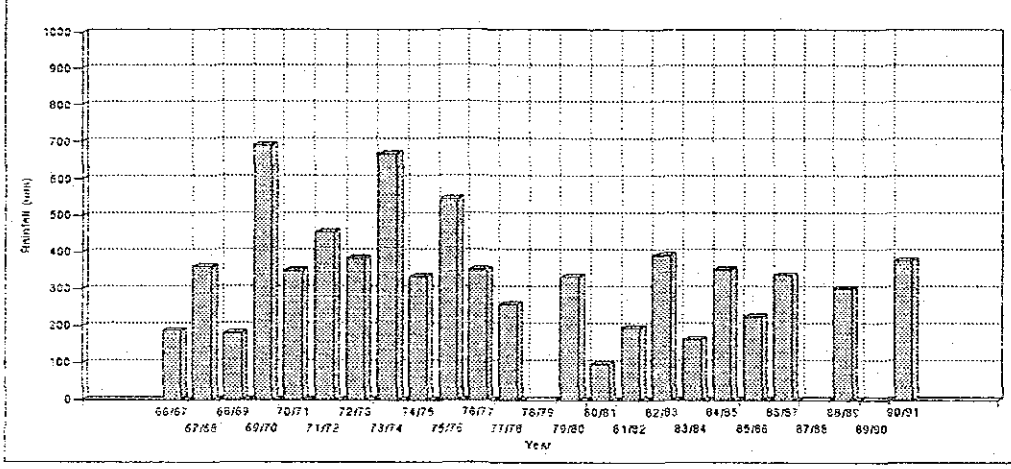


Figure 3.20 Pluie Mensuelle à Sousse (1/2)

KALAA SEGHIRA

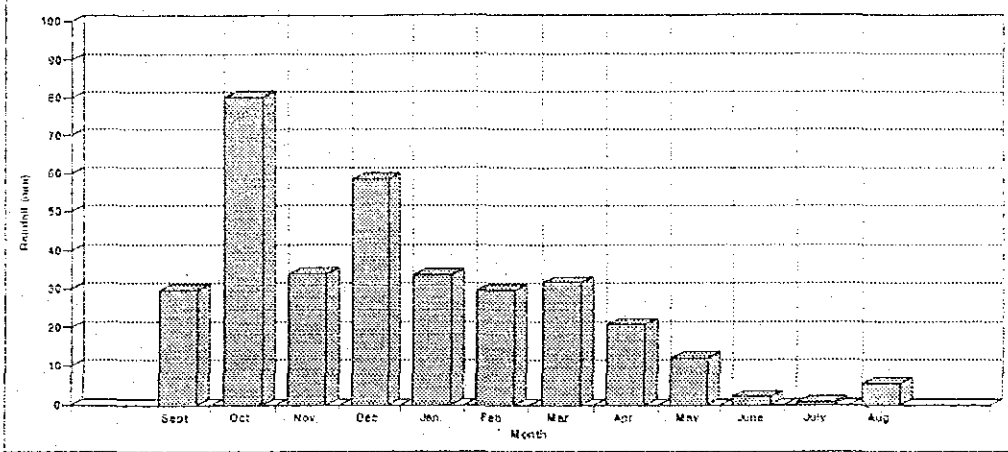
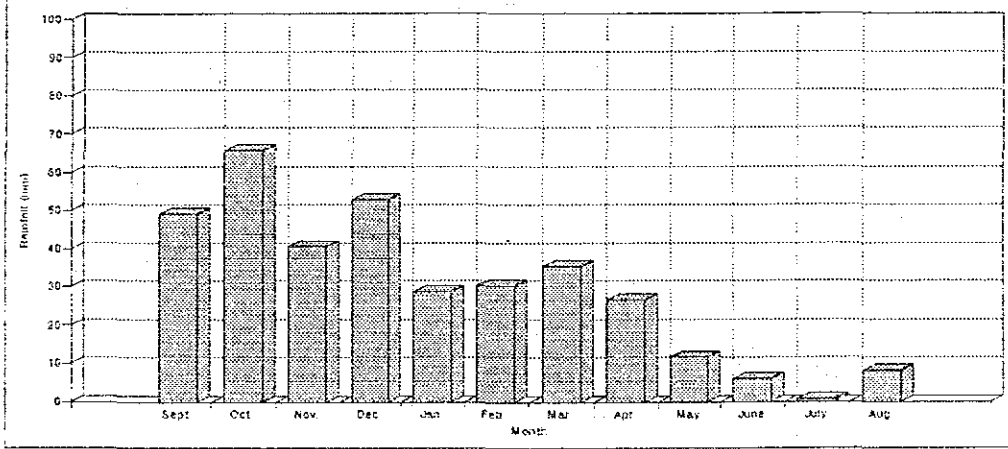


Figure 3.20 Pluie Mensuelle à Sousse (2/2)

MASAKEN DELG SM



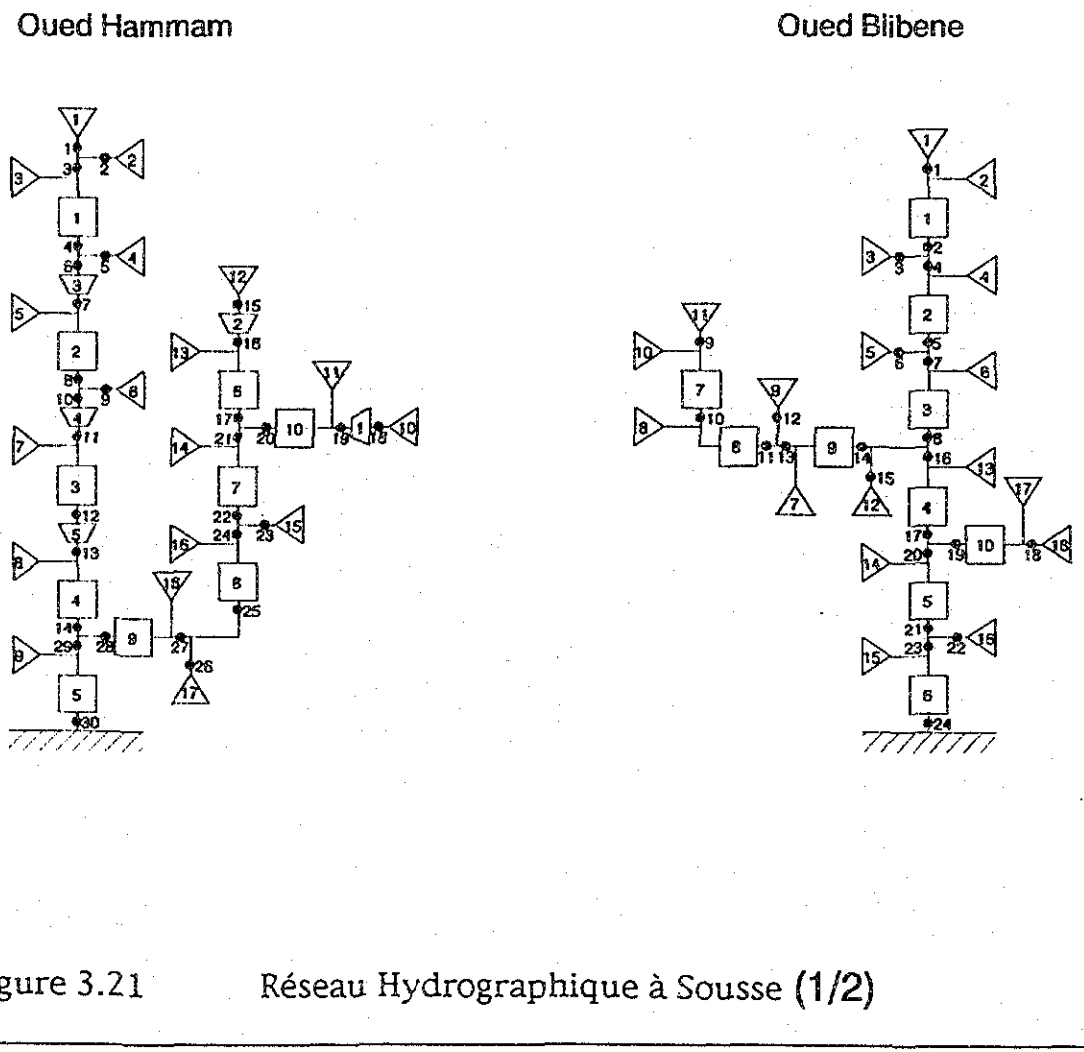


Figure 3.21 Réseau Hydrographique à Sousse (1/2)

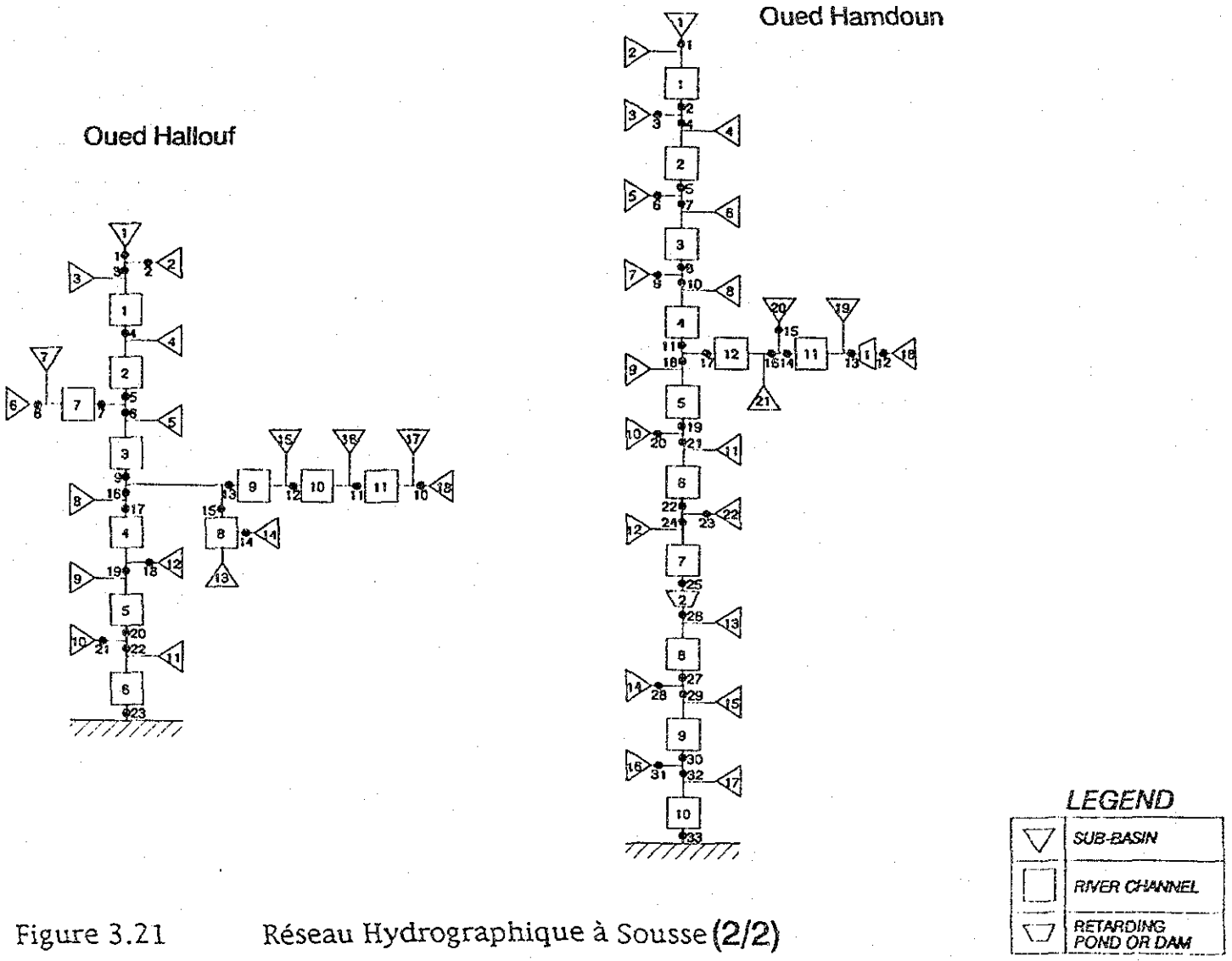


Figure 3.21 Réseau Hydrographique à Sousse (2/2)

Figure 3.22 Débit Spécifique à Sousse (T=1/100) (1/4)

Oued Blibene Basin

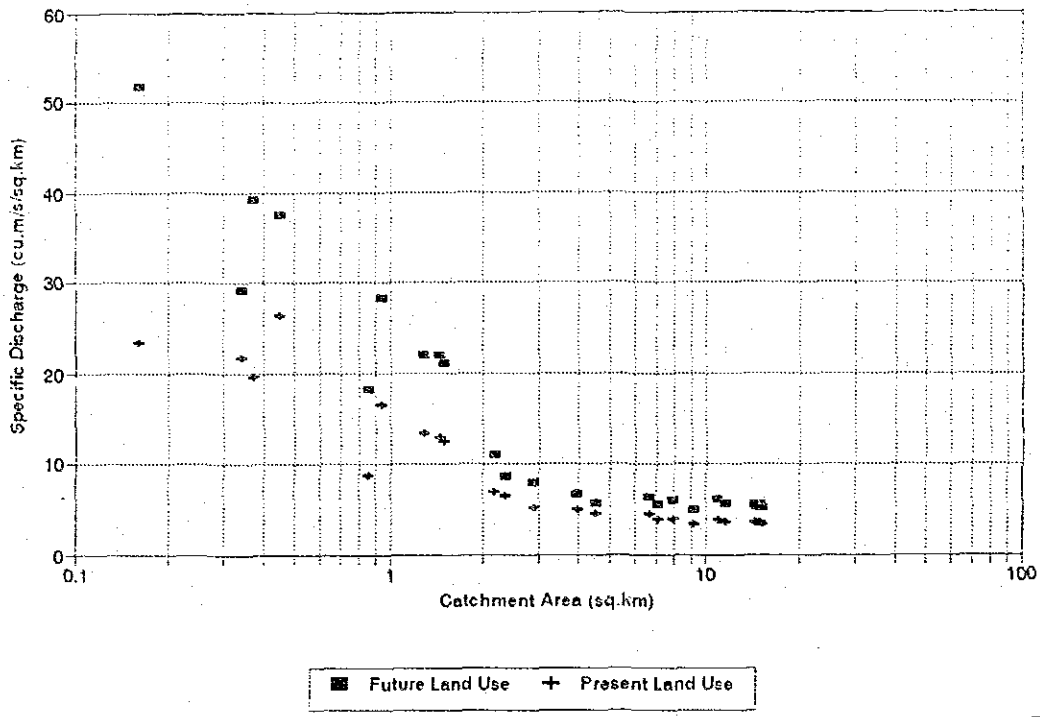


Figure 3.22 Débit Spécifique à Sousse (T=1/100) (2/4)

Oued Hallouf Basin

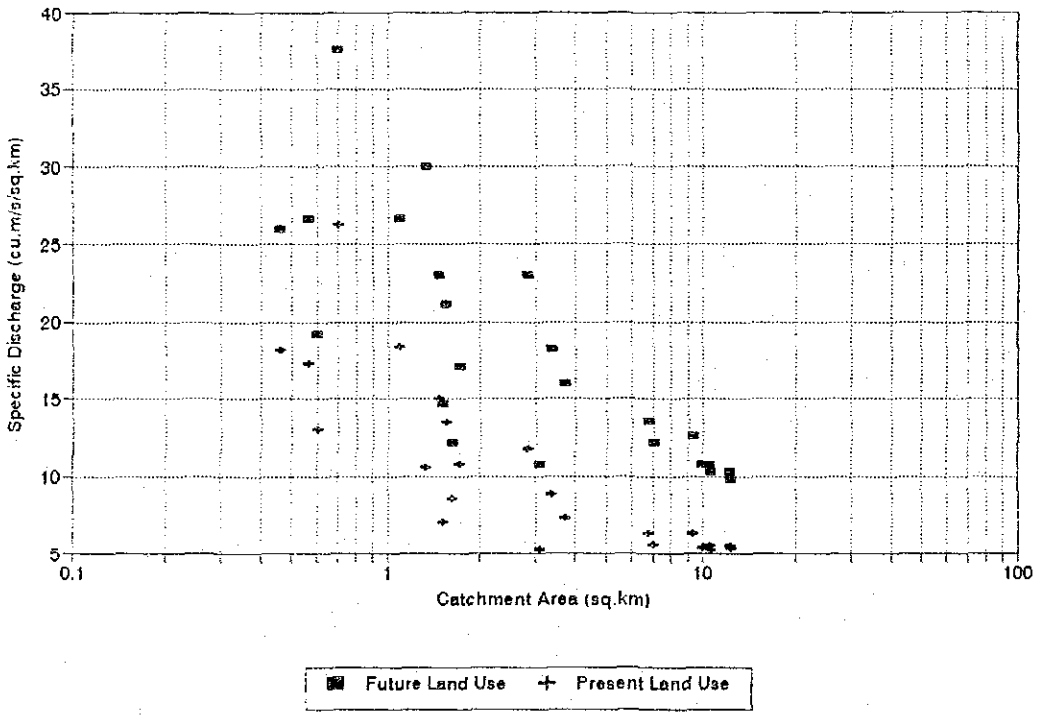


Figure 3.22 Débit Spécifique à Sousse (T=1/100) (3/4)

Oued Hammam Basin

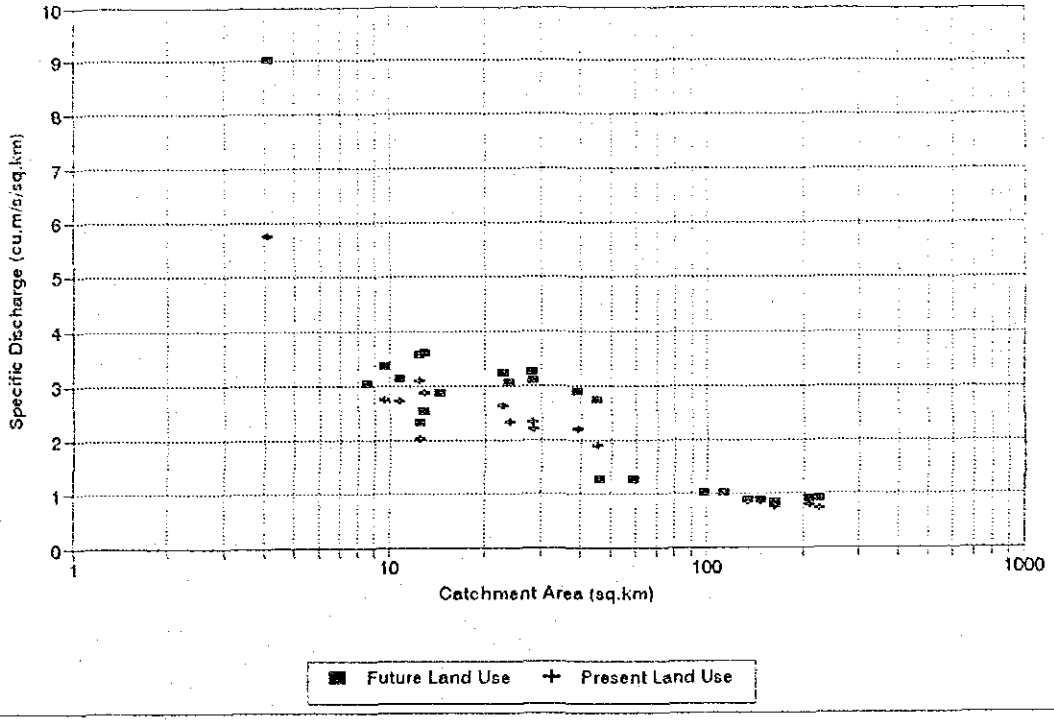


Figure 3.22 Débit Spécifique à Sousse (T=1/100) (4/4)

Oued Hamdoun Basin

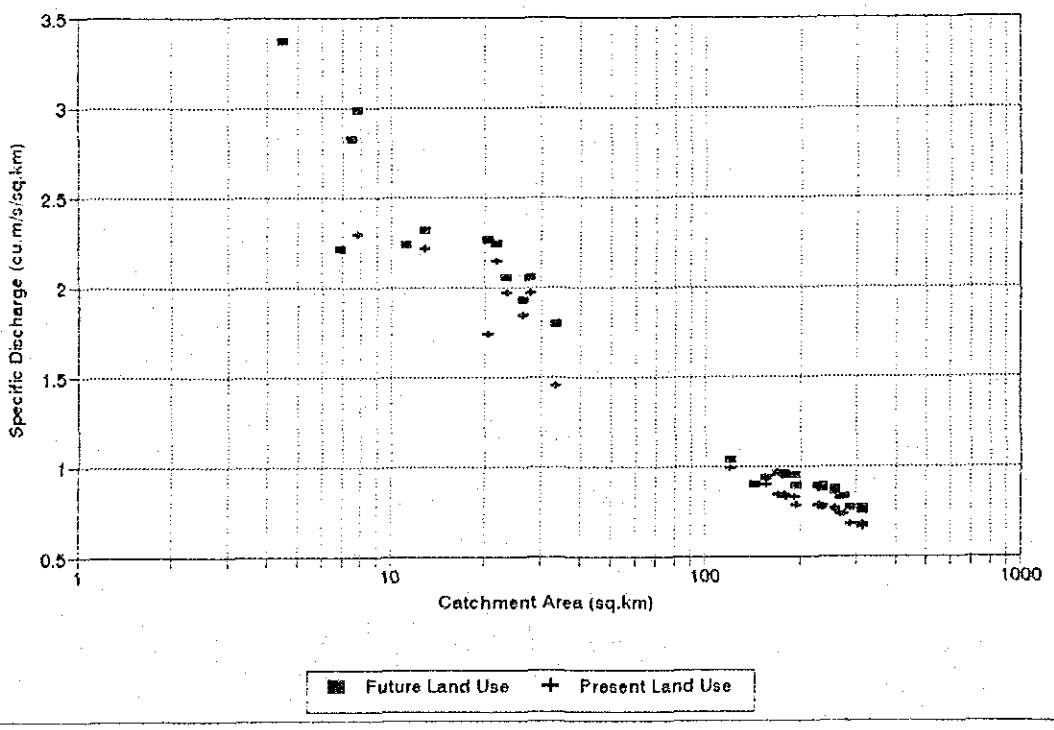


Figure 3.23 Pluie de projet à Sousse (par la méthode des blocks alternatifs) (1/2)
(example : developed in 60-min increment for 100-year 24-hour)

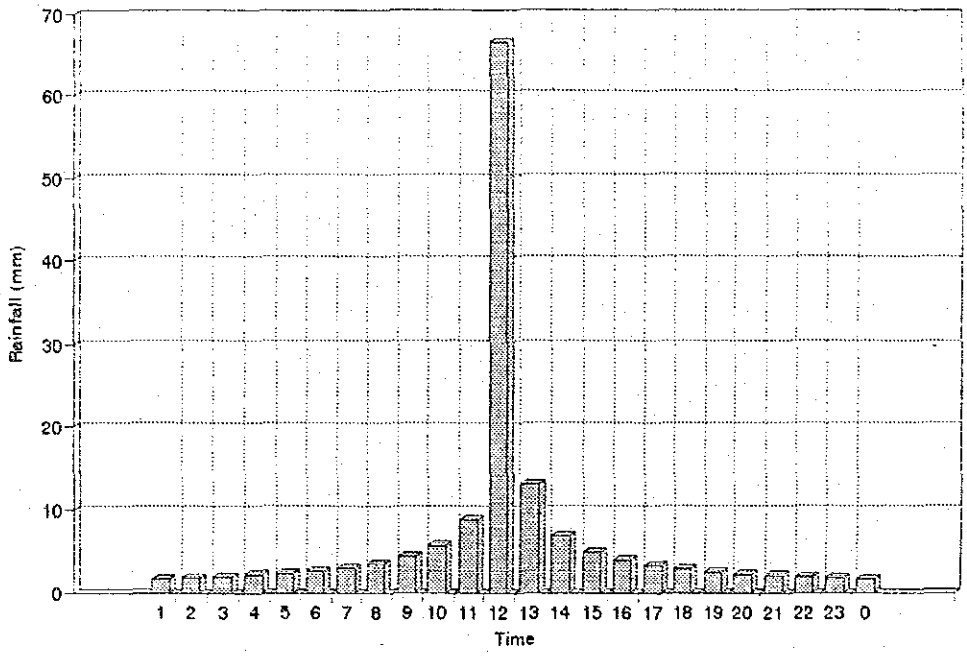
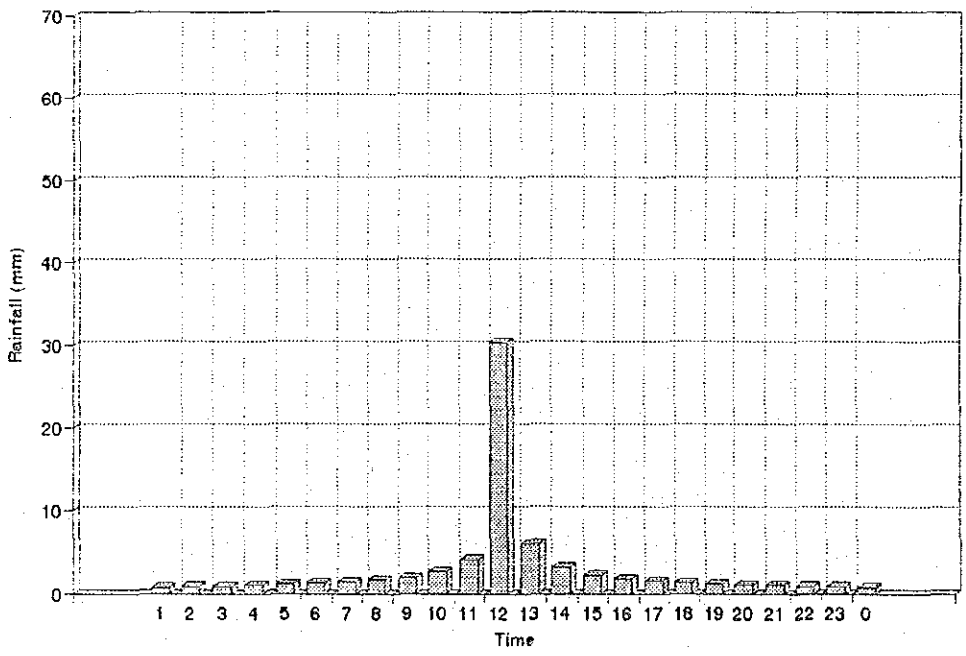


Figure 3.23 Pluie de projet à Sousse (par la méthode des blocks alternatifs) (2/2)
(example : developed in 60-min increment for 10-year 24-hour)



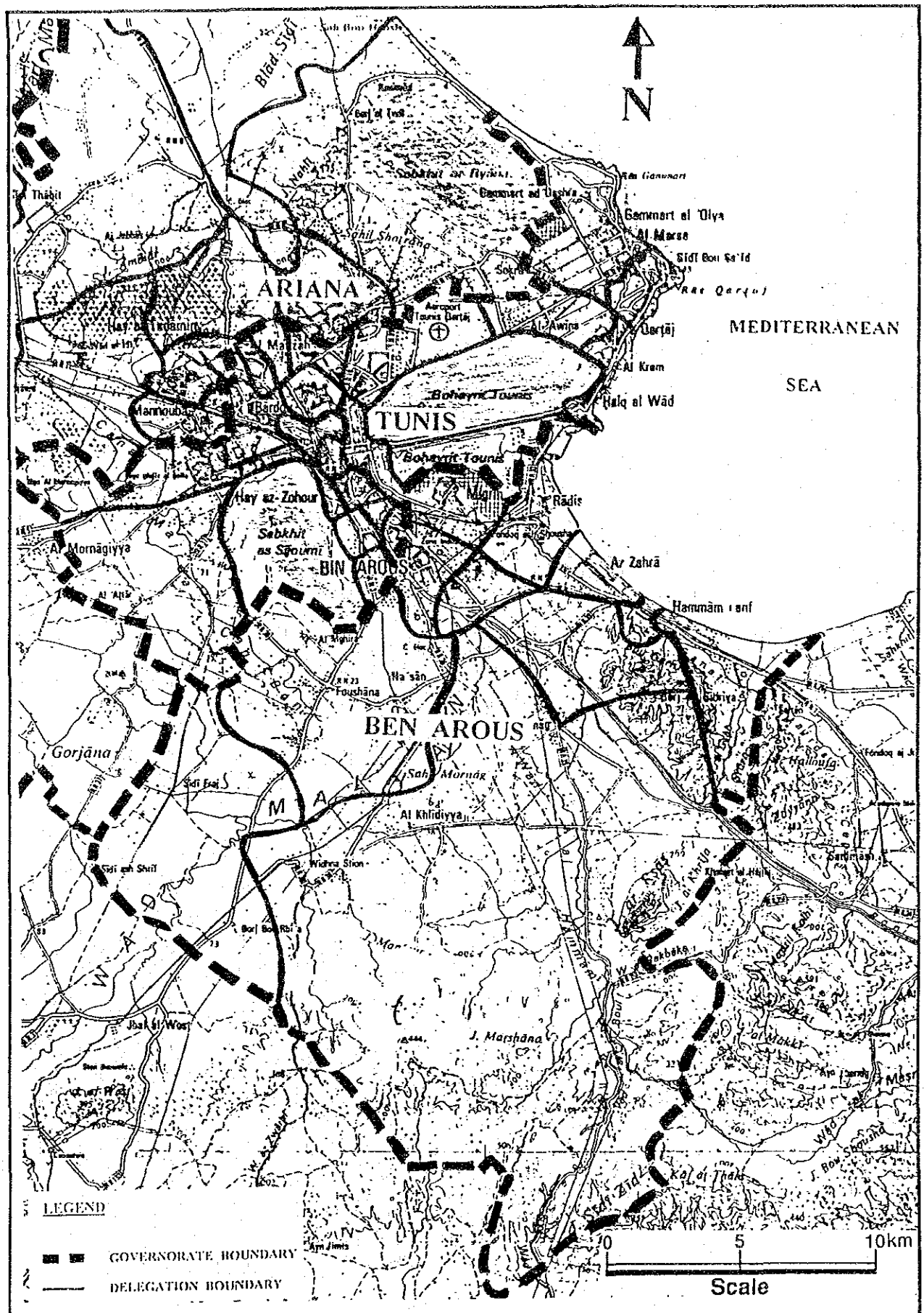


Figure 4.1 Grand Tunis - Structure Administrative

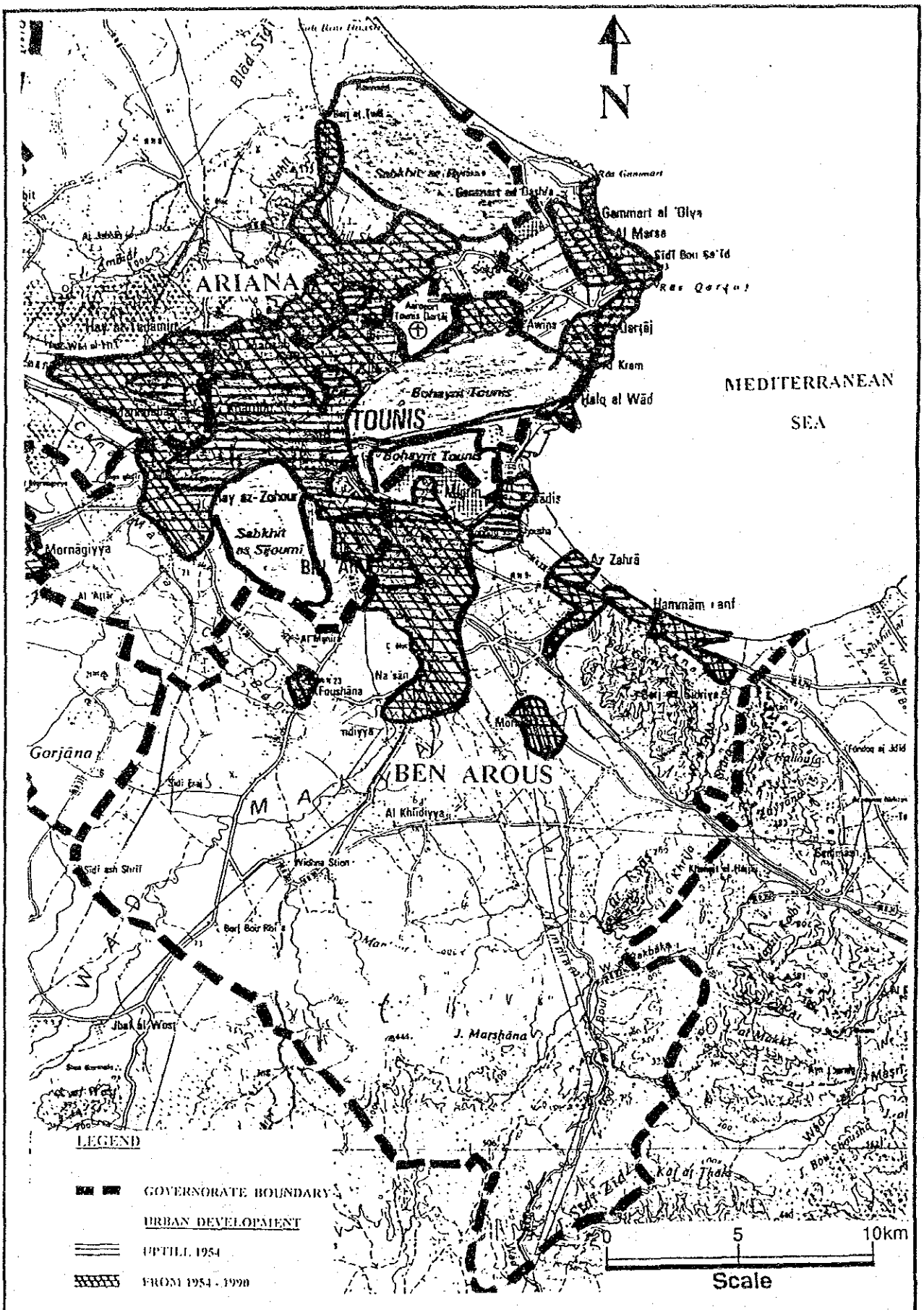


Figure 4.2 Evolution de Développement Urbain (1954 - 1990)

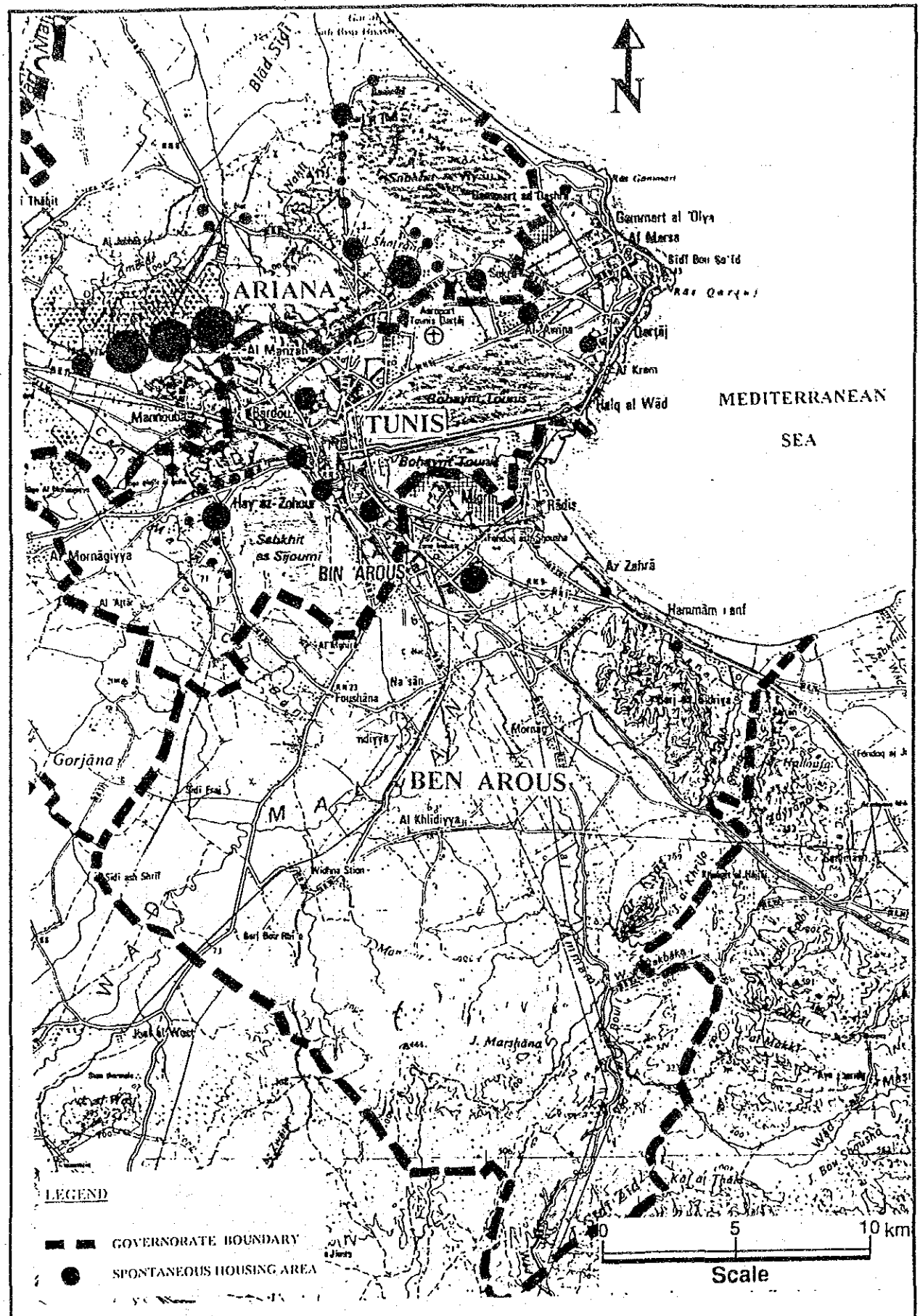


Figure 4.3 Zones d'Habitat Spontanné dans le Grand Tunis

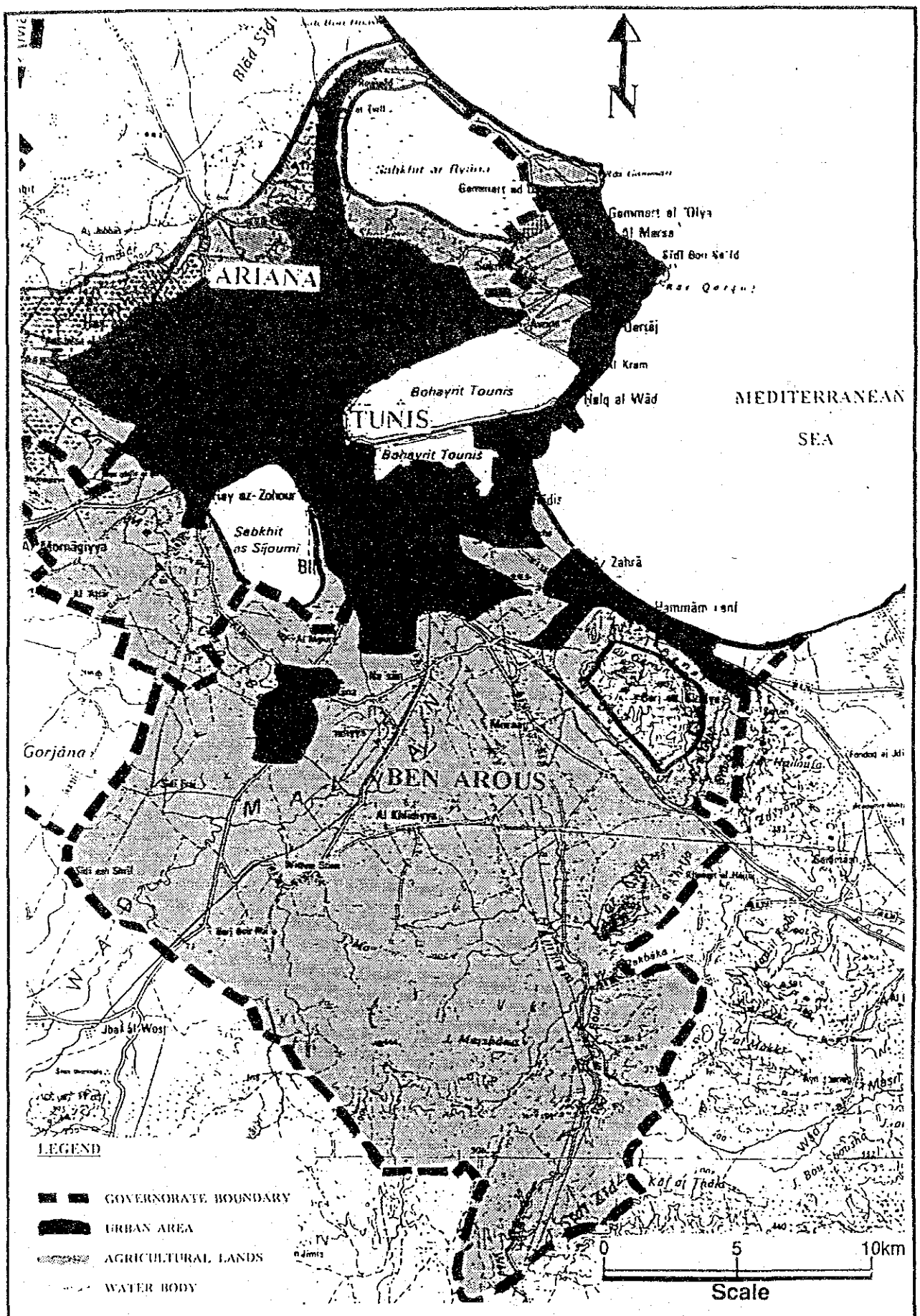


Figure 4.4 Occupation de Terrains Actuelle dans le Grand Tunis

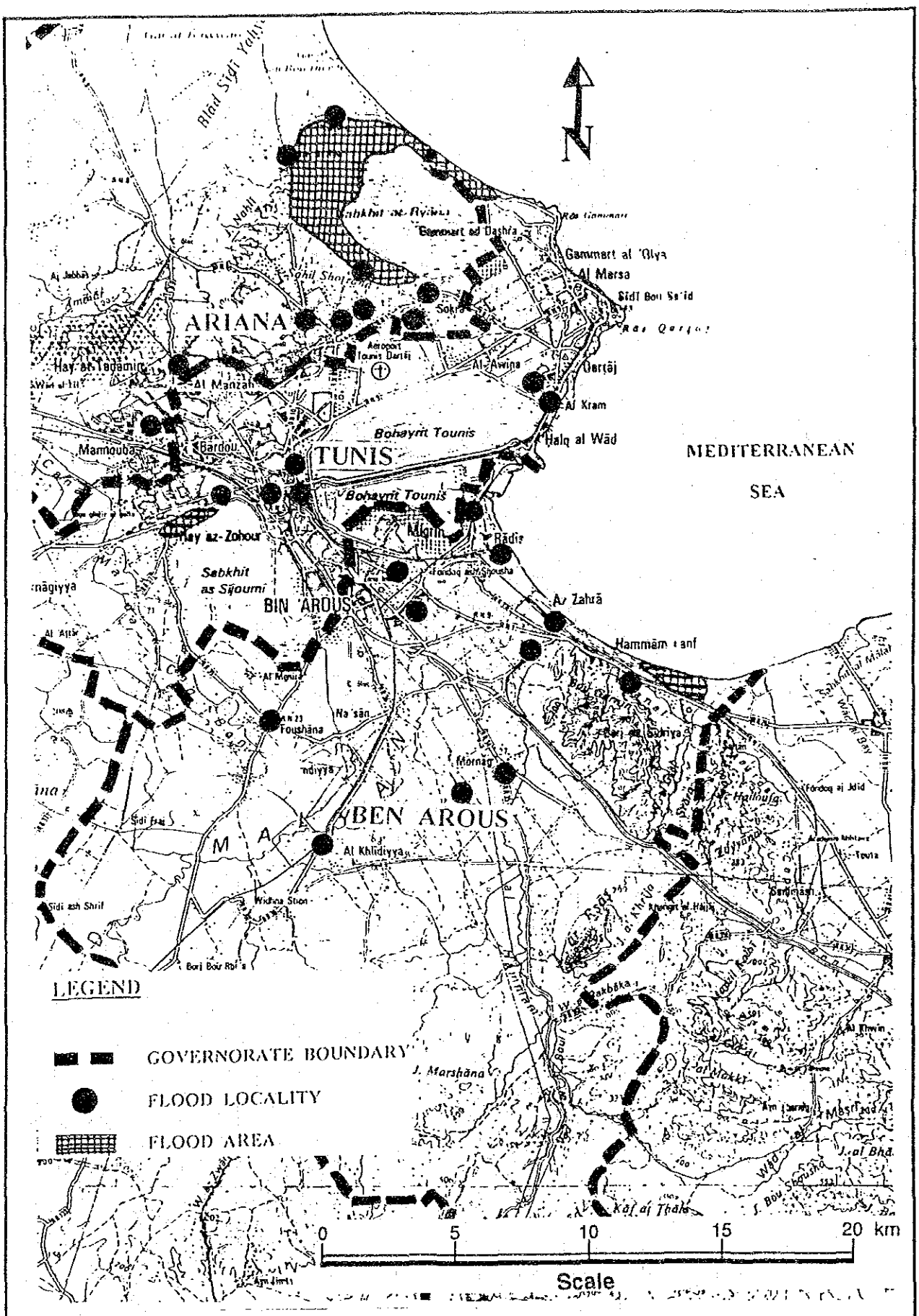


Figure 4.5 Localisation des Zones Inondables dans le Grand Tunis

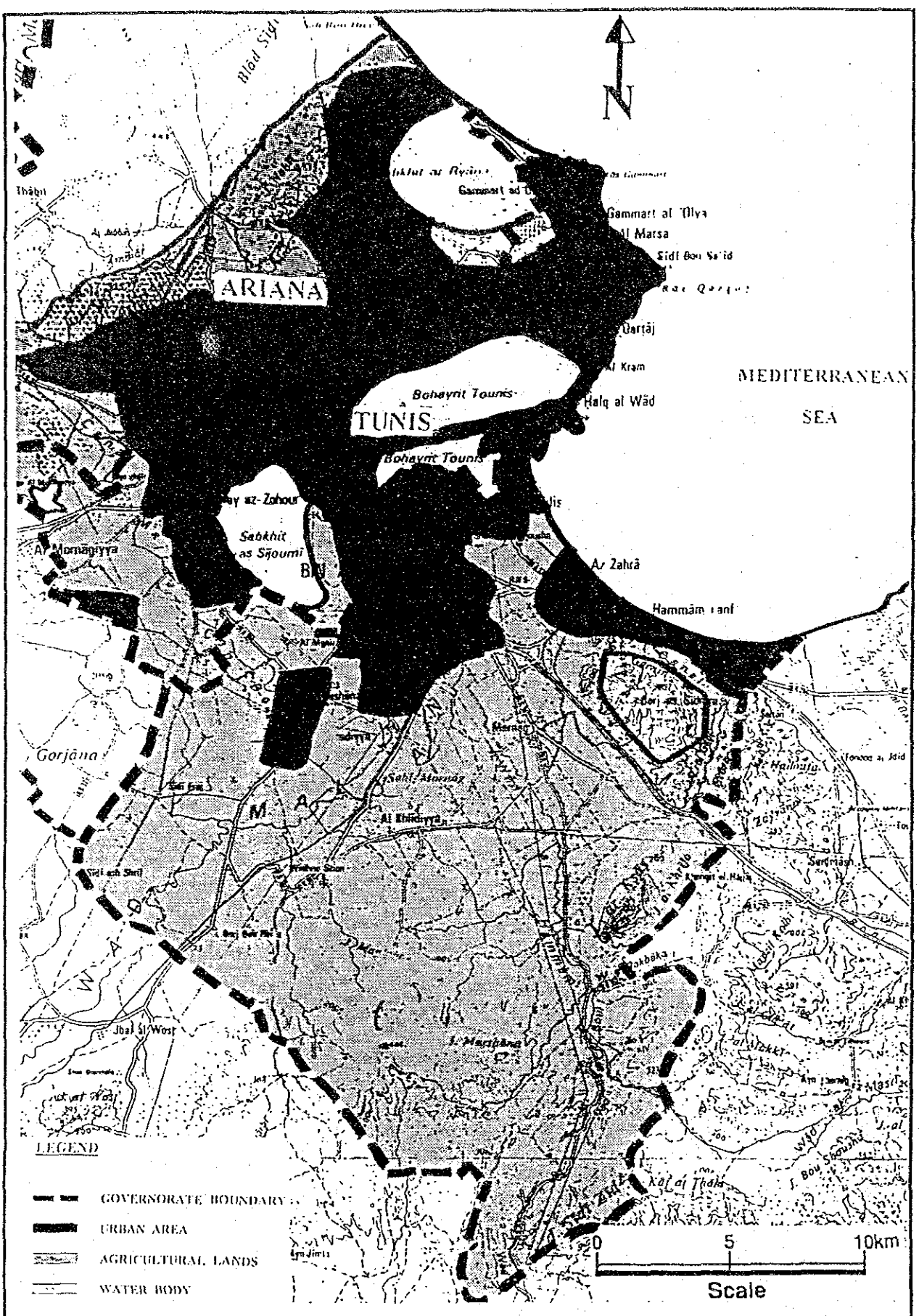


Figure 4.6 Plan de Développement Urbain Proposé pour le Grand Tunis

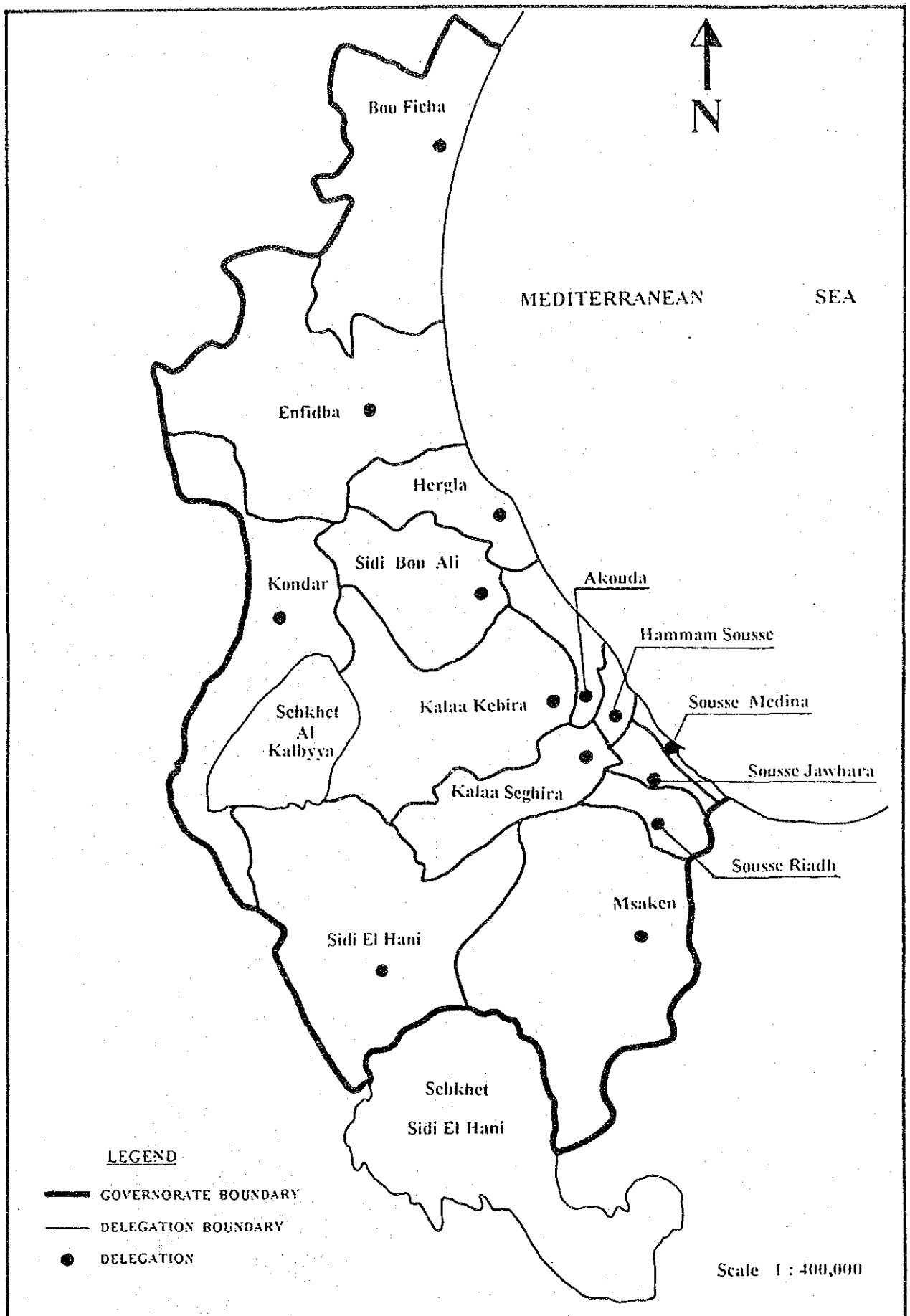


FIGURE 4.7 ADMINISTRATIVE STRUCTURE OF GREATER SOUSSE

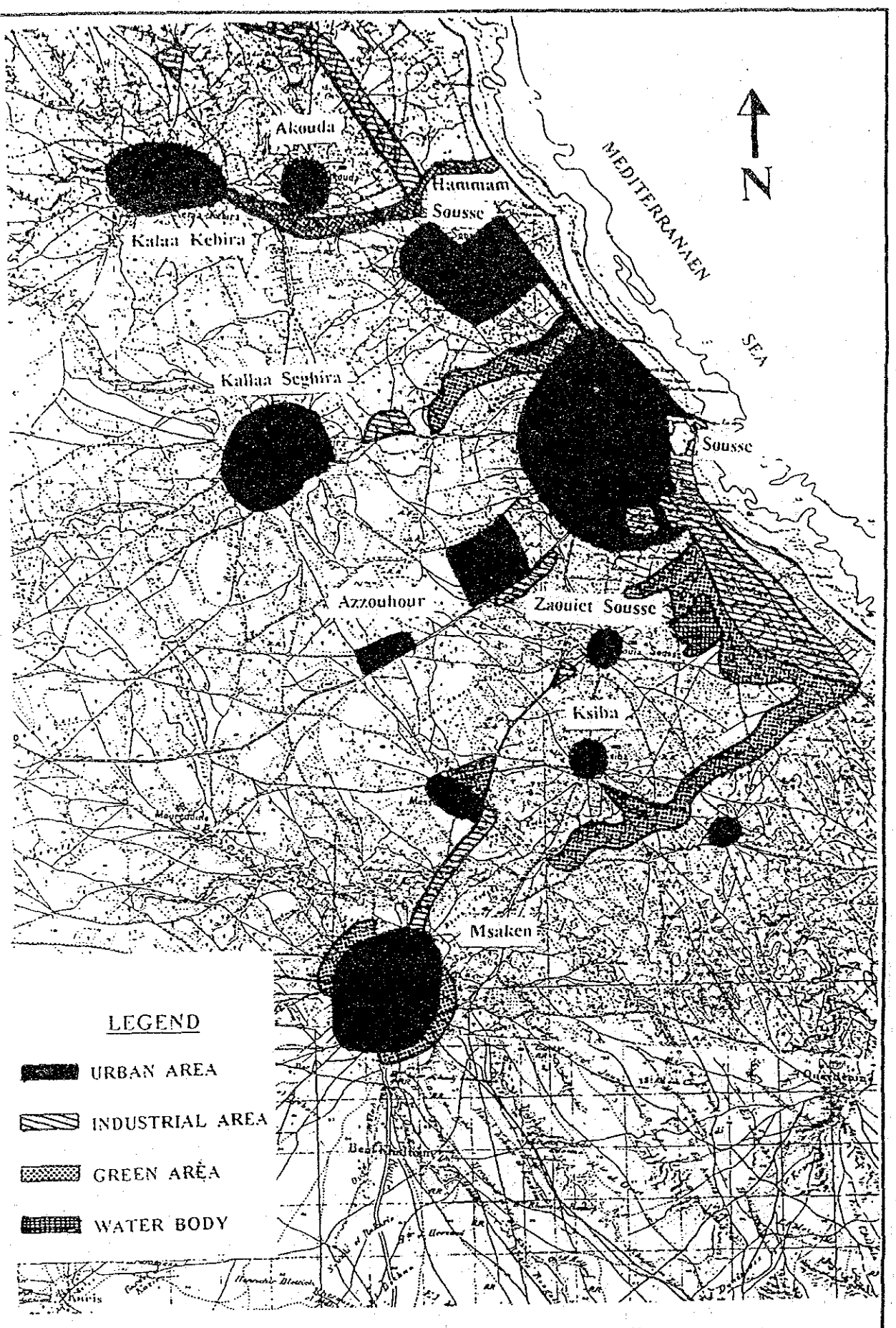


Figure 4.8 Occupation de Terrains Actuelle dans le Grand Sousse Scale 1 : 100,000

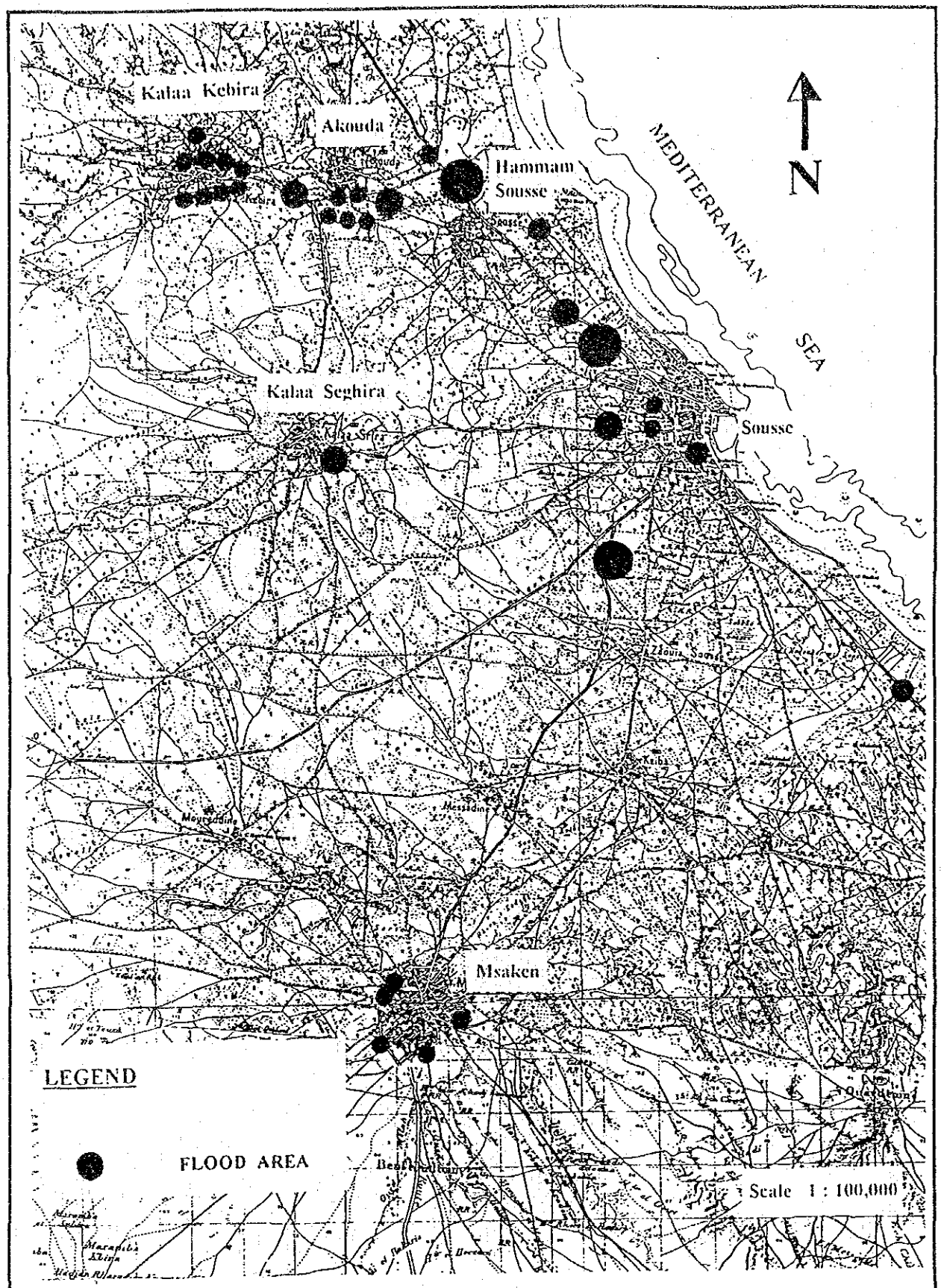


Figure 4.9 Localisation des Zones Inondables dans le Grand Sousse