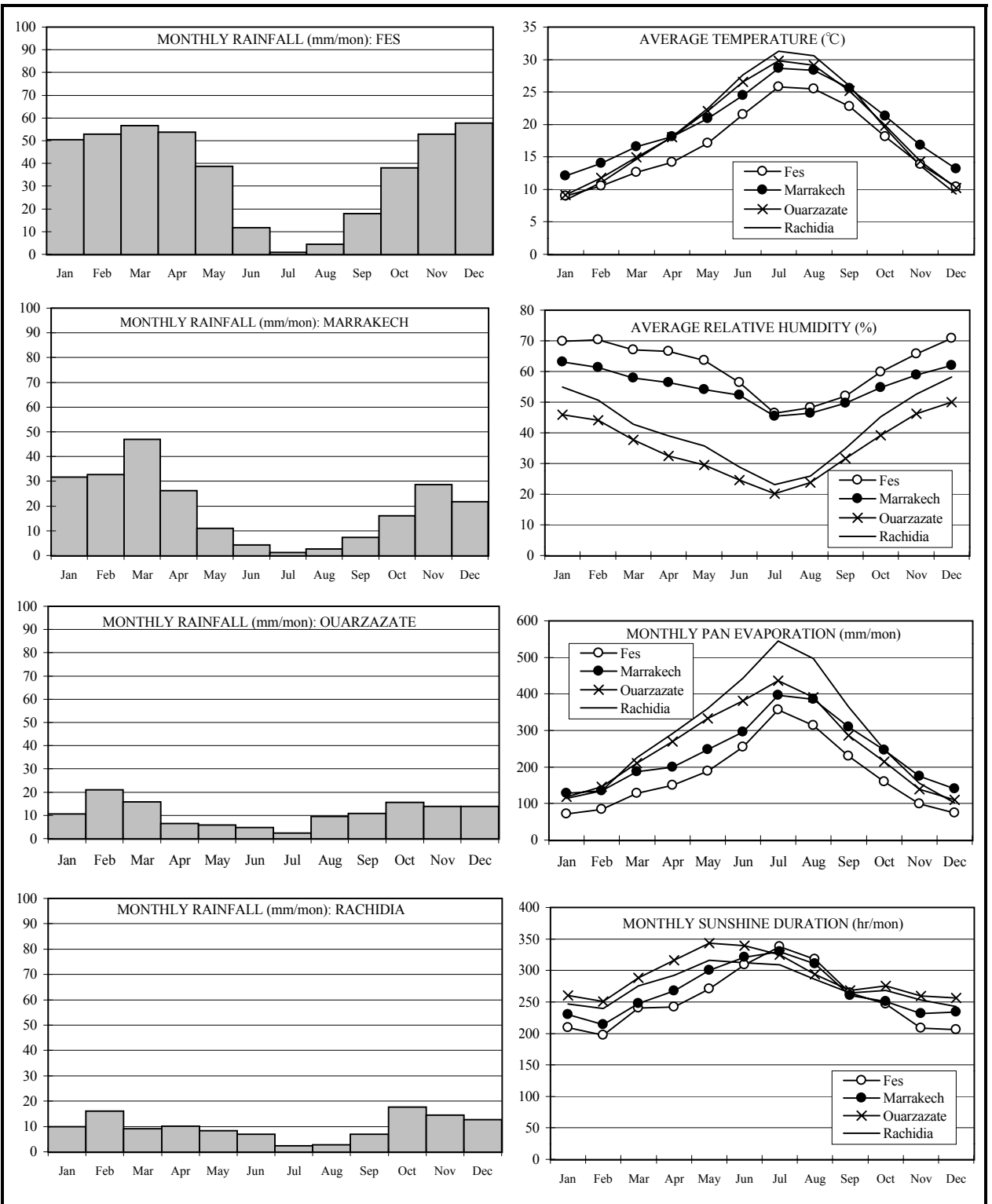


*L'étude de Faisabilité Pour Le Développement des Ressources En Eau  
Par Les Barrages Moyens Dans Le Milieu Rurale Au  
Royaume Maroc  
Rapport Final  
Volume III Rapport de Soutien (1) sur Étude de Base  
Rapport de Soutien II  
Hydrologie et Reduction des  
Inondations*

***Figures***

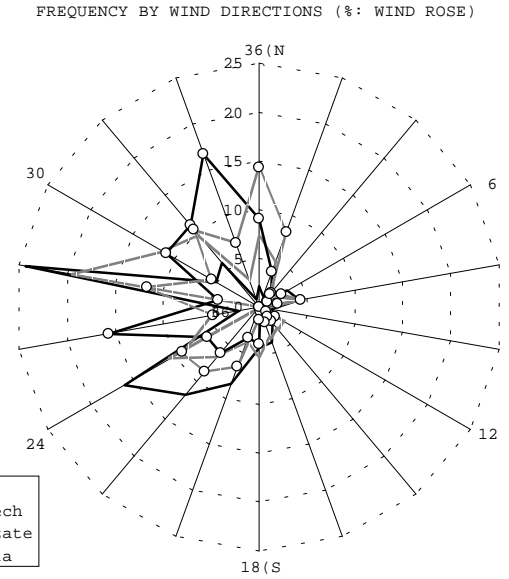
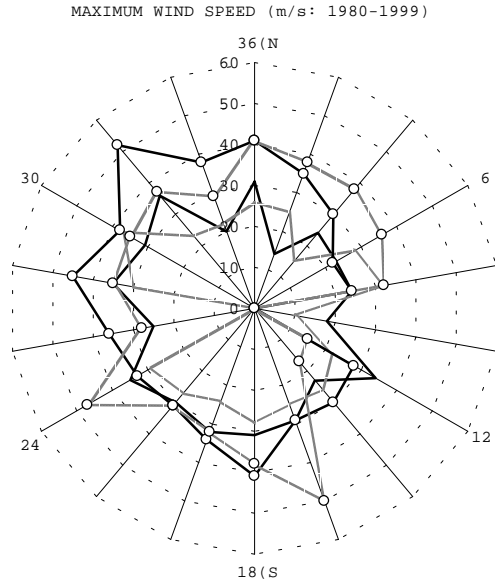


FEASIBILITY STUDY ON  
 WATER RESOURCES DEVELOPMENT  
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Figure II.2.3.1

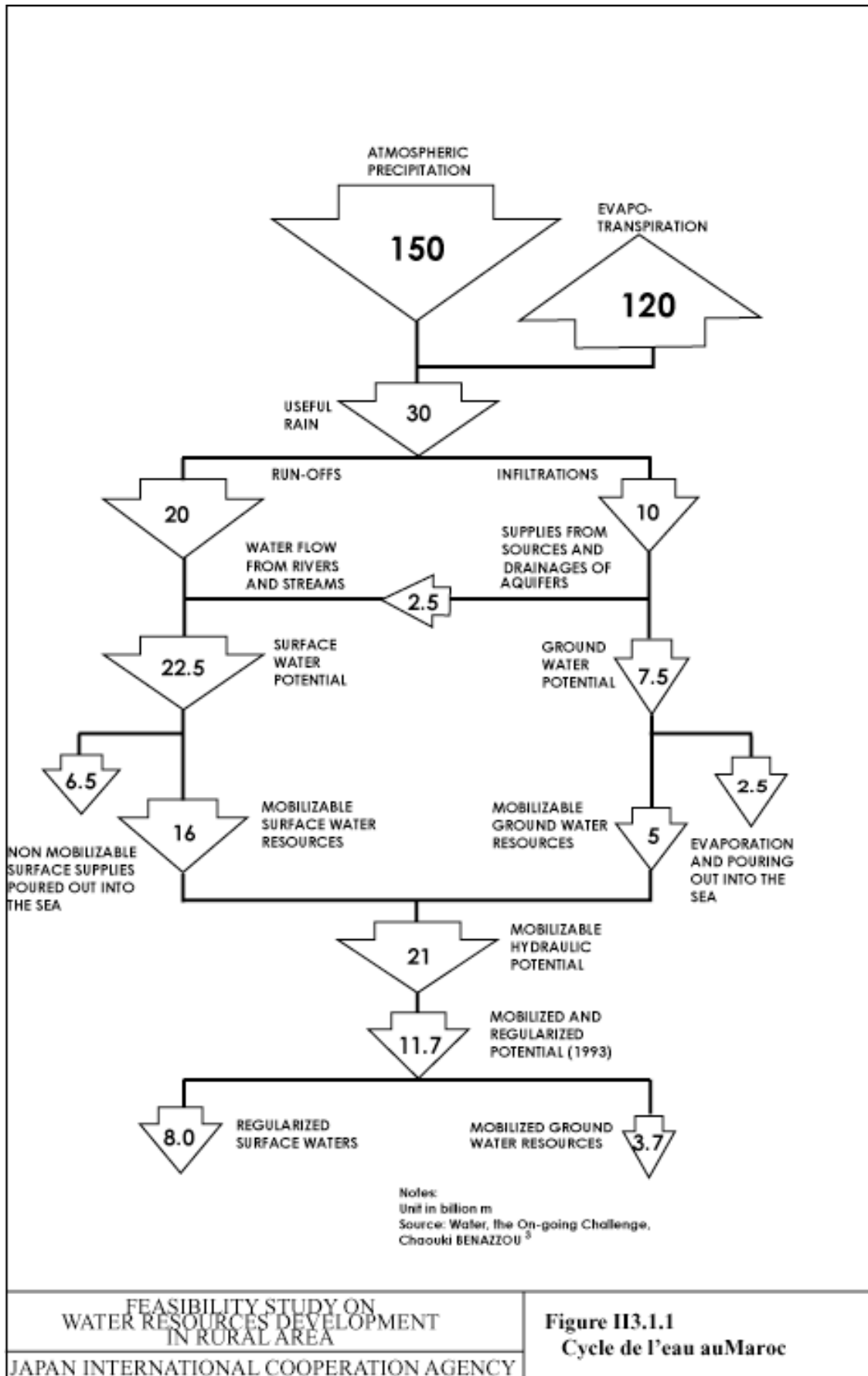
Conditions Météorologiques aux  
 Stations Représentatives



— Fes  
- - - Marrakech  
○ Ouarzazate  
□ Rachidia

Wind rose	Maximum wind speed by directions (m/s)			
	Fes	Marrakech	Ouarzazate	Rachidia
36(N)	31	26	41	41
2	14	25	35	38
4	24	15	30	38
6	23	28	22	36
8	24	32	24	32
10	18	10	0	0
12	34	22	28	15
14	23	26	30	17
16	29	25	29	50
18(S)	31	28	41	38
20	32	24	34	32
22	30	27	31	31
24	35	29	33	47
26	25	0	36	28
28	35	30	45	35
30	31	37	38	35
32	36	23	52	37
34	20	22	38	29

Wind rose	Frequency by wind directions of monthly max. speed (%)			
	Fes	Marrakech	Ouarzazate	Rachidia
36(N)	2.1	7.1	9.0	14.3
2	1.3	5.0	3.8	8.2
4	1.3	2.1	1.9	1.7
6	3.4	2.1	1.0	2.6
8	4.2	4.2	1.9	4.3
10	1.3	0.8	0.0	0.0
12	2.1	2.9	1.9	0.9
14	2.1	2.9	1.9	1.3
16	3.8	3.4	0.5	1.7
18(S)	4.2	5.0	3.8	1.3
20	8.4	3.8	3.3	6.5
22	11.8	6.7	6.2	8.7
24	16.0	10.5	6.2	9.1
26	2.1	0.0	15.7	4.8
28	24.4	19.3	4.3	11.7
30	5.0	11.3	11.0	5.6
32	5.9	9.7	11.0	10.4
34	0.8	2.9	16.7	6.9



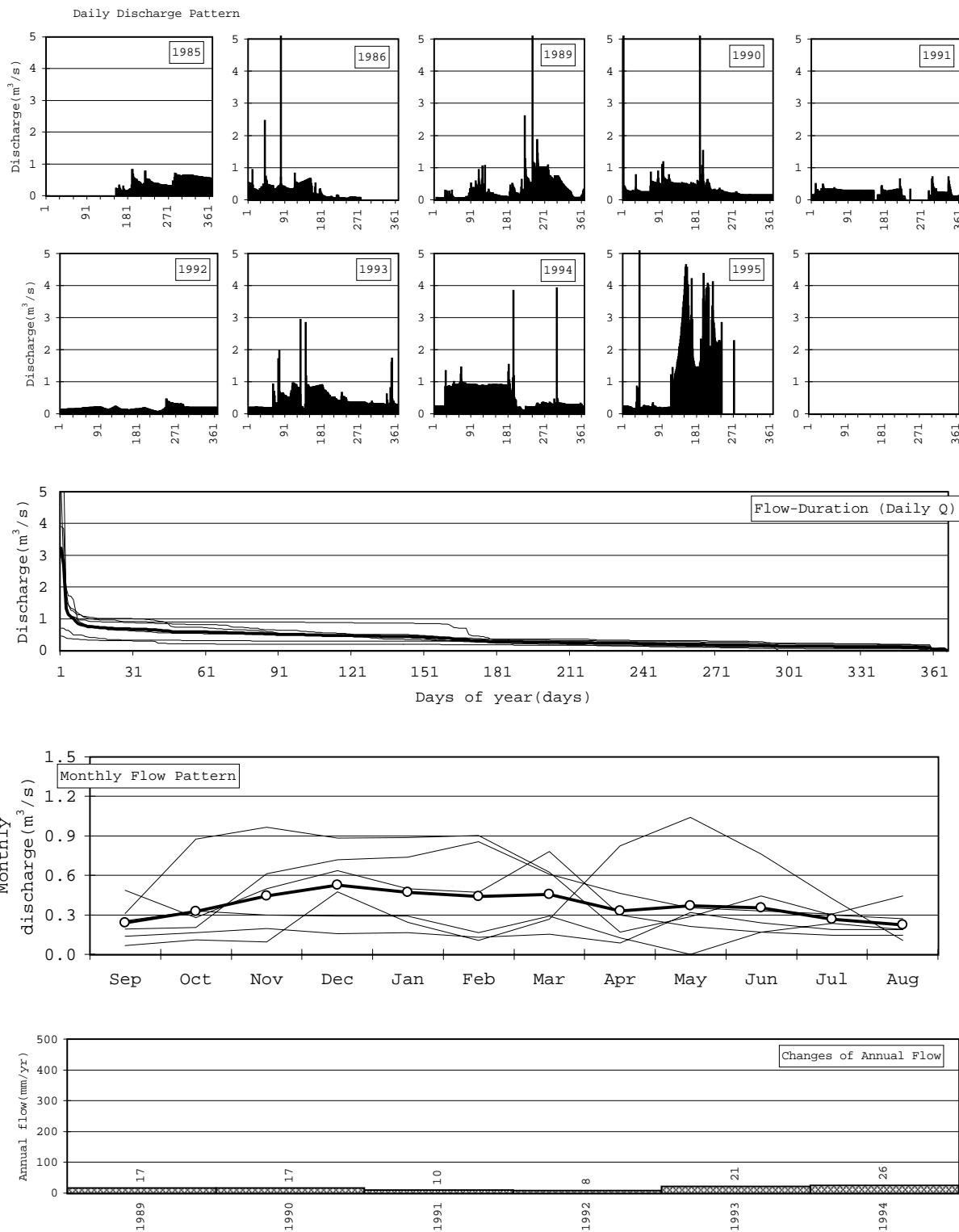
FEASIBILITY STUDY ON  
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Figure II3.1.1  
 Cycle de l'eau au Maroc



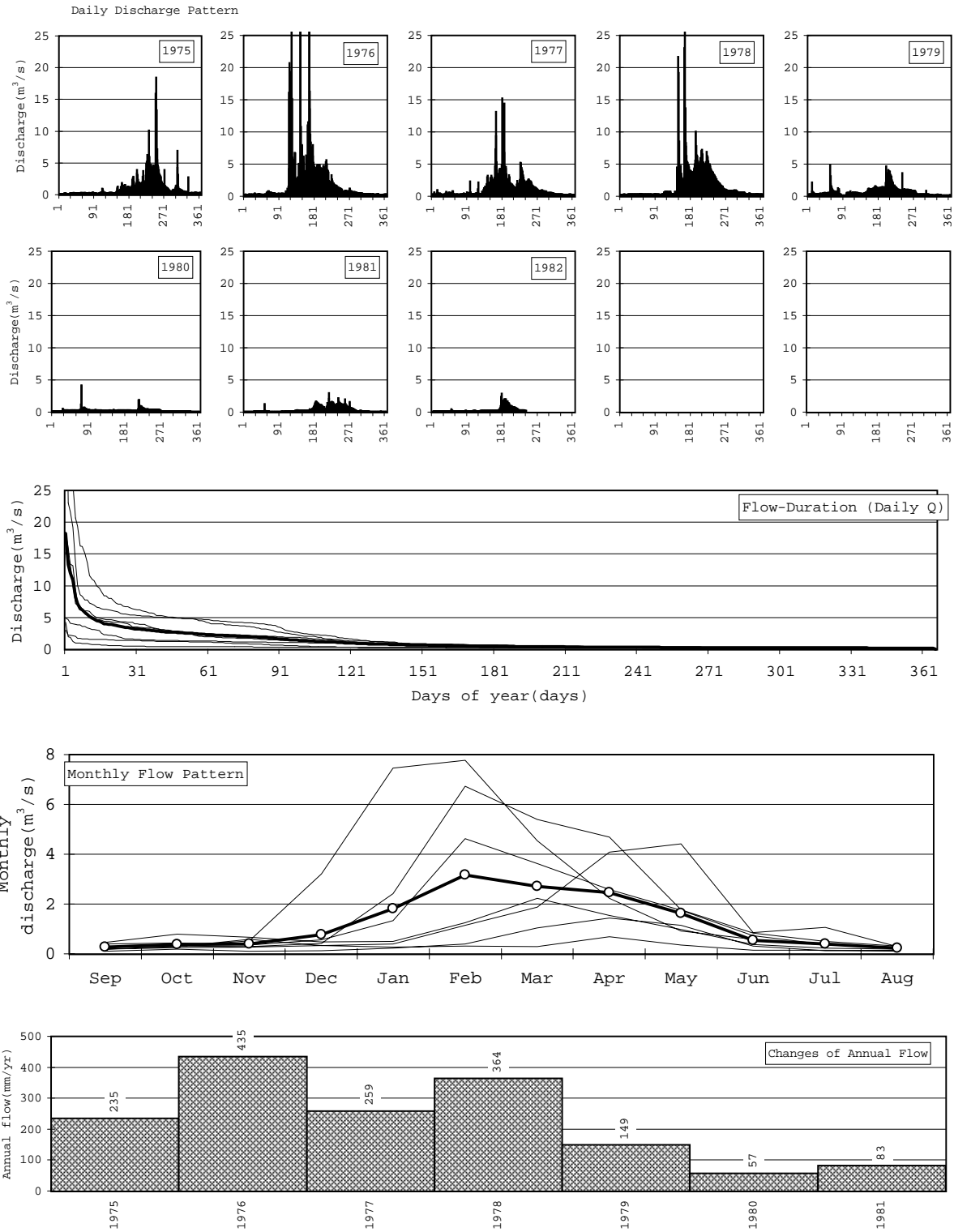
NO.1: NECKOR DAM (710 KM<sup>2</sup>), REFERENCE STATION: TAKENFOUST (292 KM<sup>2</sup>)



FEASIBILITY STUDY ON  
 WATER RESOURCES DEVELOPMENT  
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Figure II.3.3.2 (1/25)  
 Caractéristiques des  
 écoulements aux sites de barrage

NO.2: TIZIMELLAL DAM (170 KM<sup>2</sup>), REFERENCE STATION: TAMCHACHETE (138 KM<sup>2</sup>)

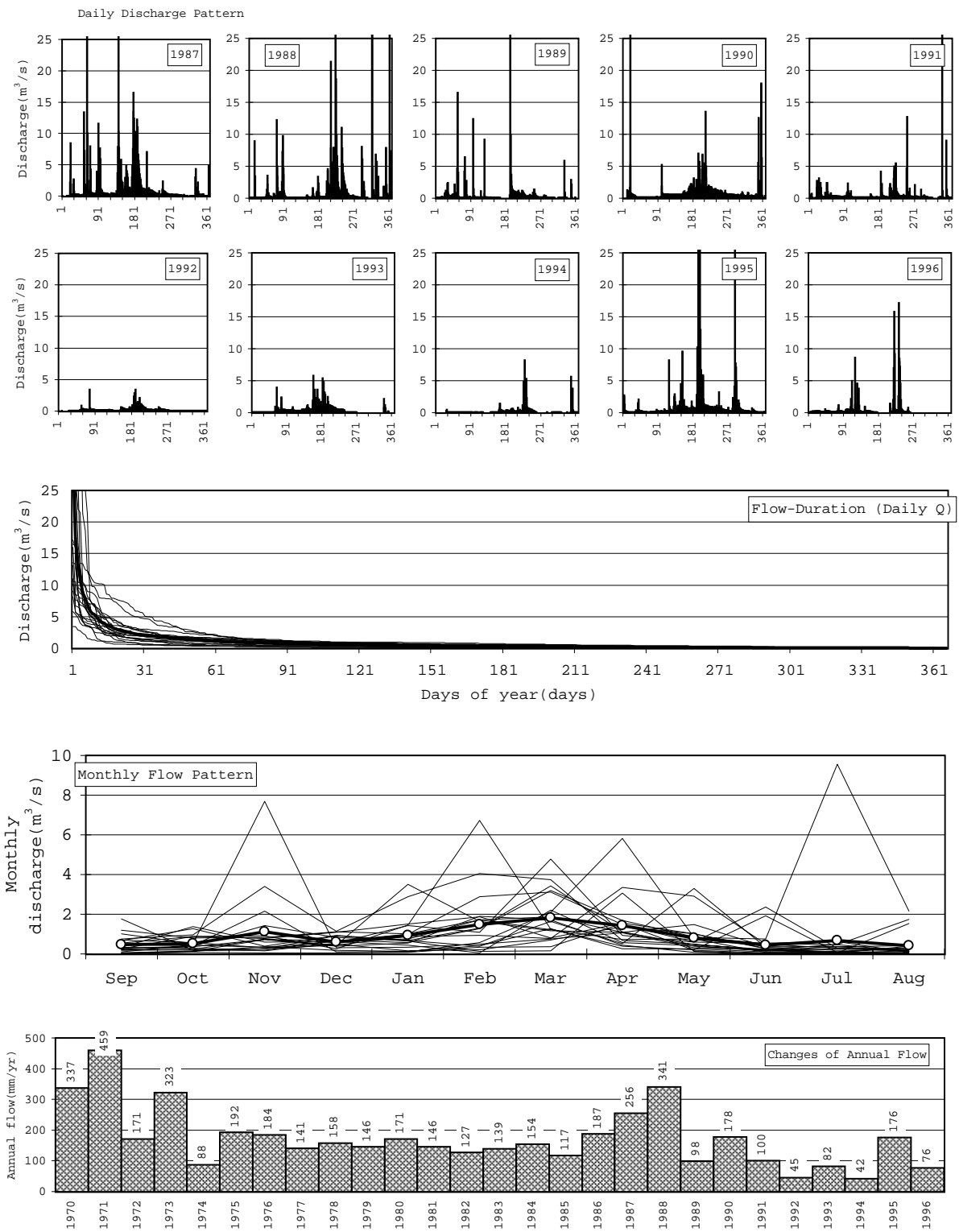


FEASIBILITY STUDY ON  
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Figure II.3.3.2 (2/25)  
Caractéristiques des  
écoulements aux sites de barrage

NO.3: AIT BADDOU DAM (194 KM<sup>2</sup>), REFERENCE STATION: AIT SEGMINE (461 KM<sup>2</sup>)

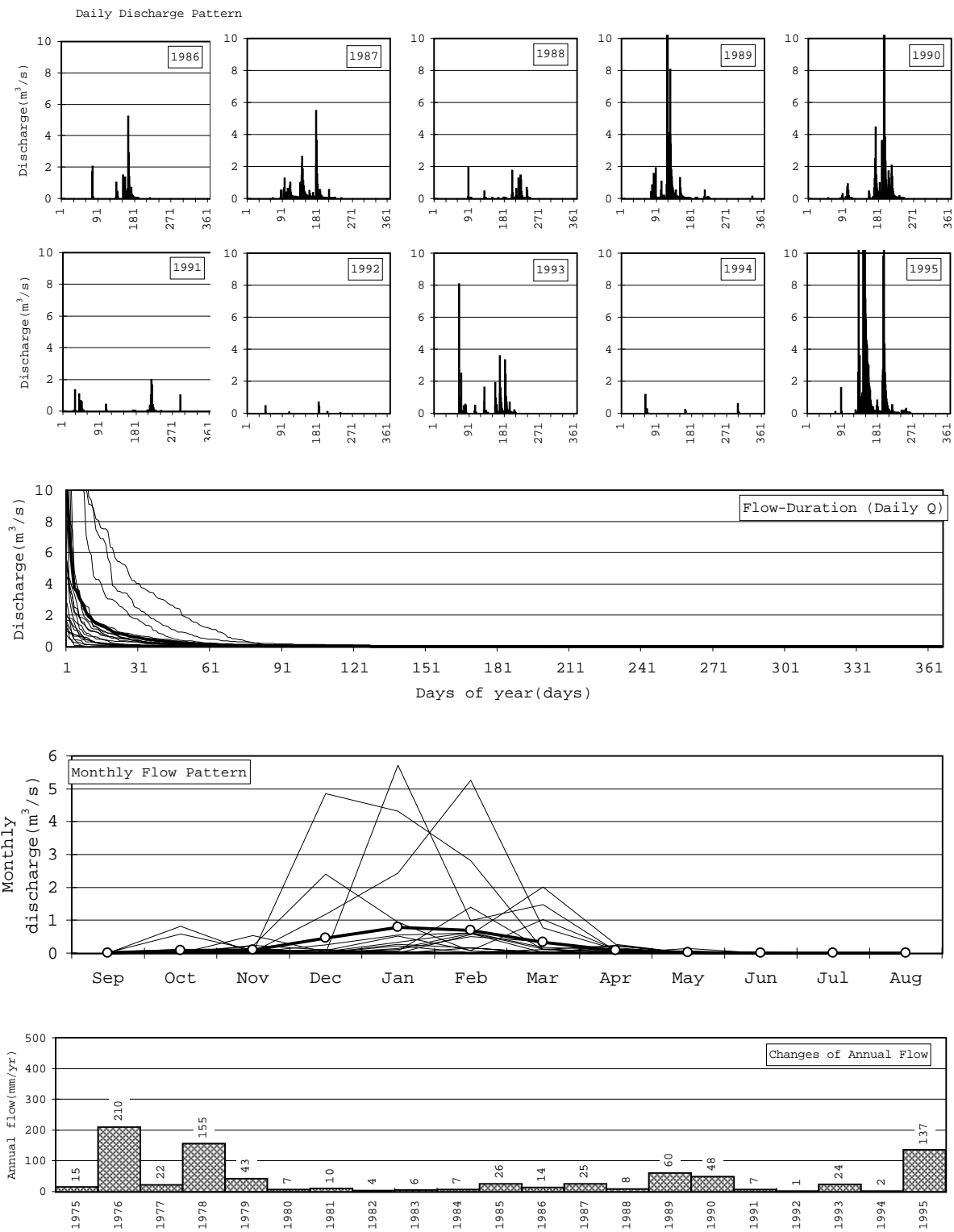


FEASIBILITY STUDY ON  
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Figure II.3.3.2 (3/25)  
 Caractéristiques des  
 écoulements aux sites de barrage



NO.4: AIN KWACHIYA DAM (162 KM<sup>2</sup>), REFERENCE STATION: CHEIKH REGUIG (518 KM<sup>2</sup>)

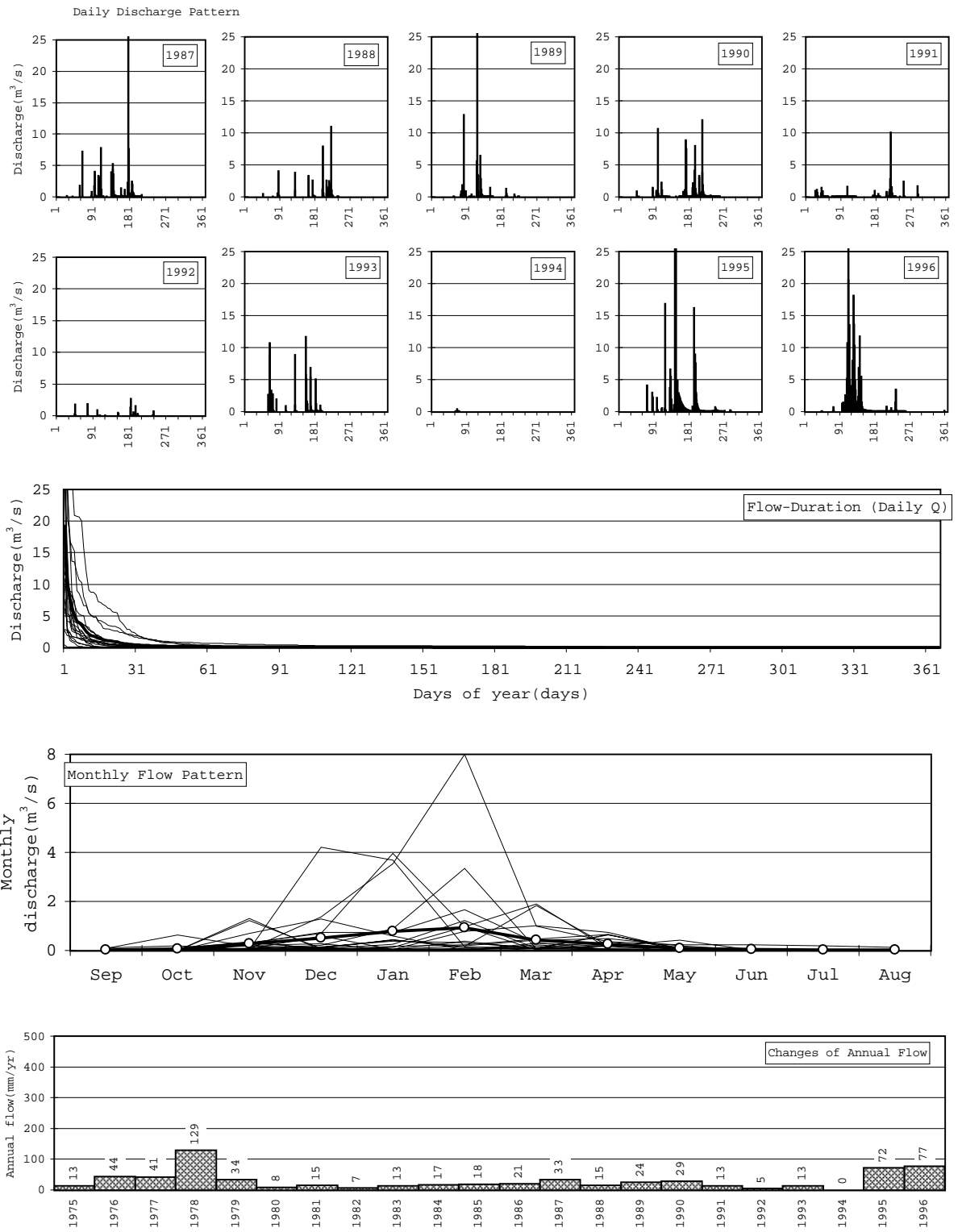


FEASIBILITY STUDY ON  
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Figure II.3.3.2 (4/25)  
Caractéristiques des  
écoulements aux sites de barrage

NO.5: N'FIFIKH/AIN KSOB DAM (300 KM<sup>2</sup>), REFERENCE STATION: FEDDANE TABA (606 KM<sup>2</sup>)

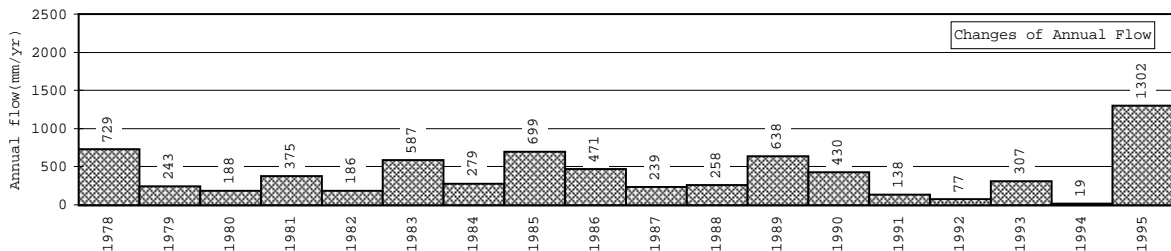
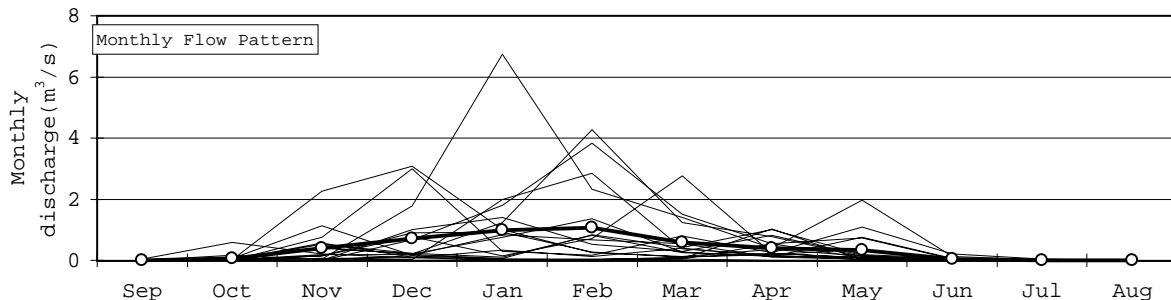
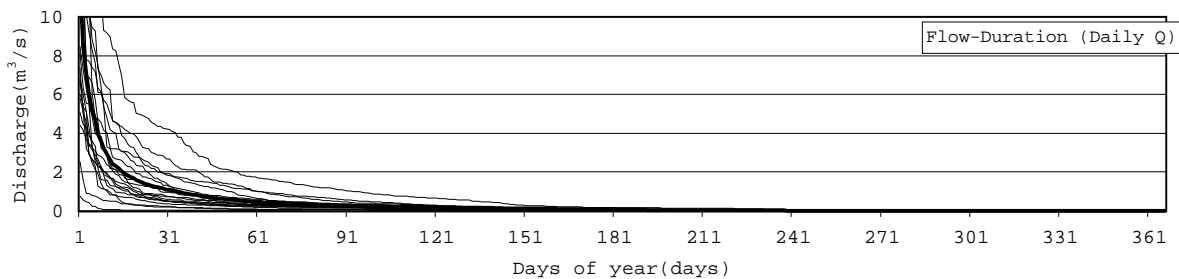
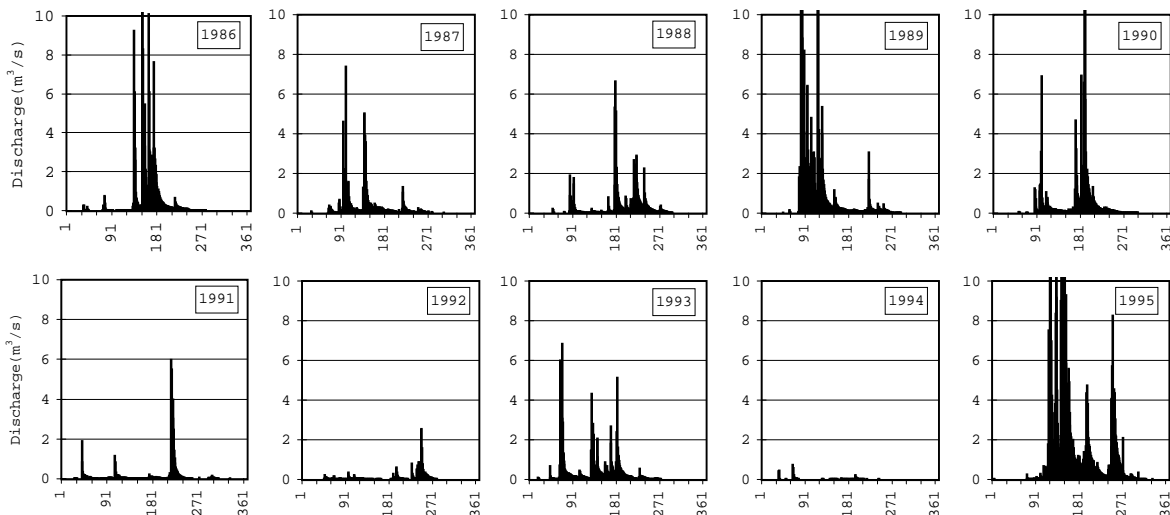


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Figure II.3.3.2 (5/25)  
Caractéristiques des  
écoulements aux sites de barrage

NO.6: TAZARANE DAM (30 KM<sup>2</sup>), REFERENCE STATION: TABOUDA (861 KM<sup>2</sup>)

Daily Discharge Pattern

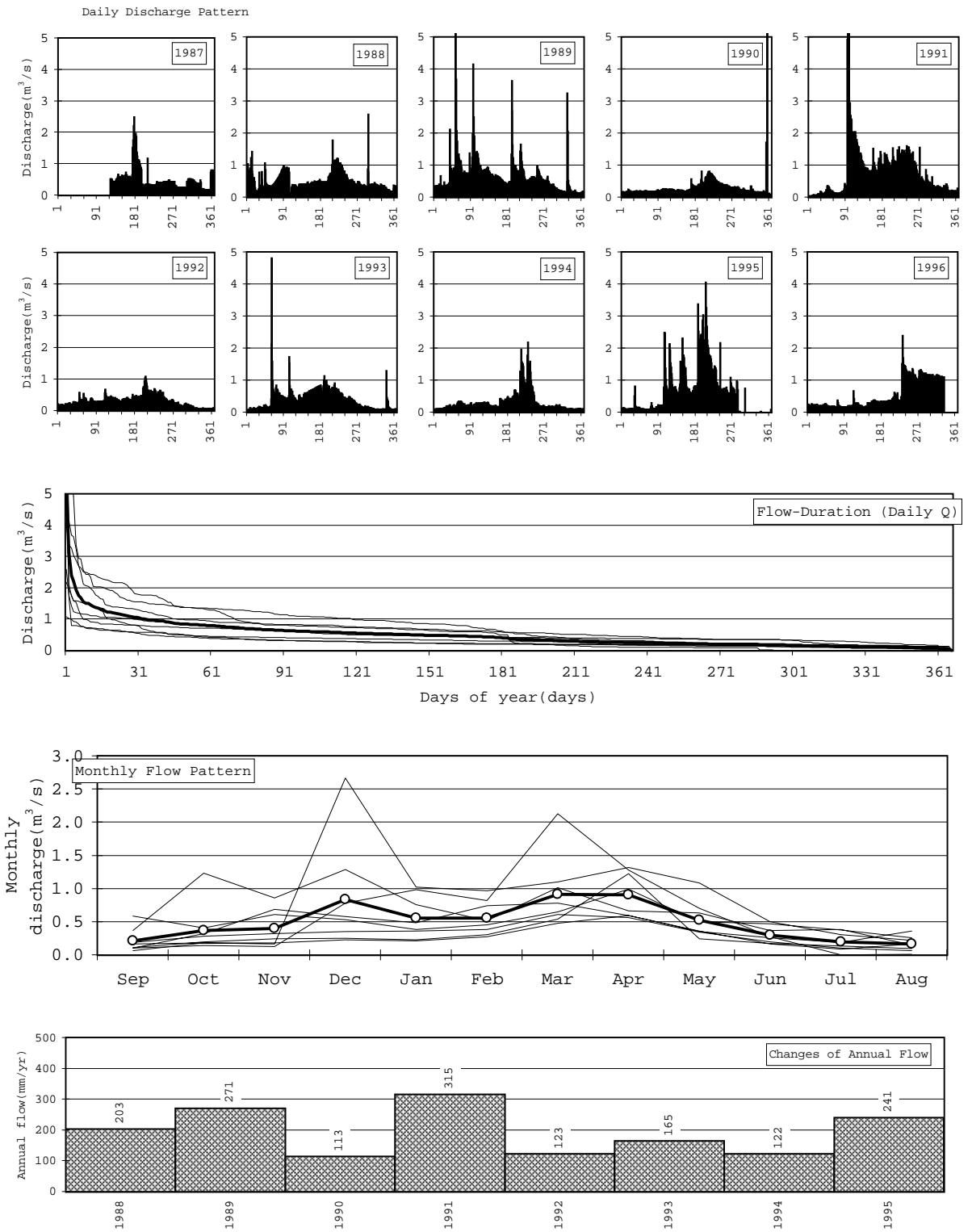


FEASIBILITY STUDY ON  
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Figure II.3.3.2 (6/25)  
Caractéristiques des  
écoulements aux sites de barrage

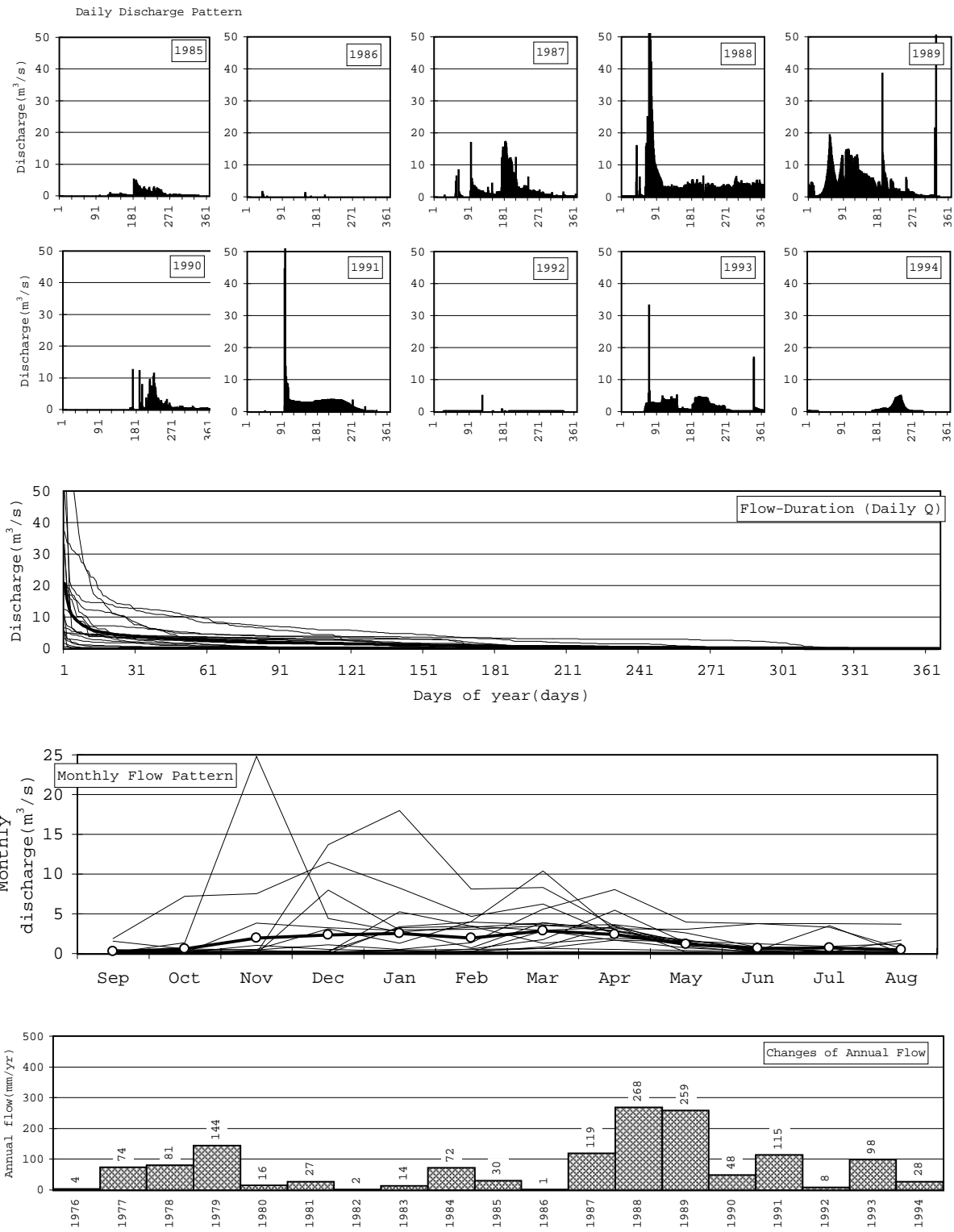
NO.7: AMEZMIZ DAM (80 KM<sup>2</sup>), REFERENCE STATION: SIDI HSSAIN (115 KM<sup>2</sup>)



FEASIBILITY STUDY ON  
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Figure II.3.3.2 (7/25)  
 Caractéristiques des  
 écoulements aux sites de barrage

NO.8: BOULAOUANE DAM (565 KM<sup>2</sup>), REFERENCE STATION: ILLLOUDJANE (436 KM<sup>2</sup>)

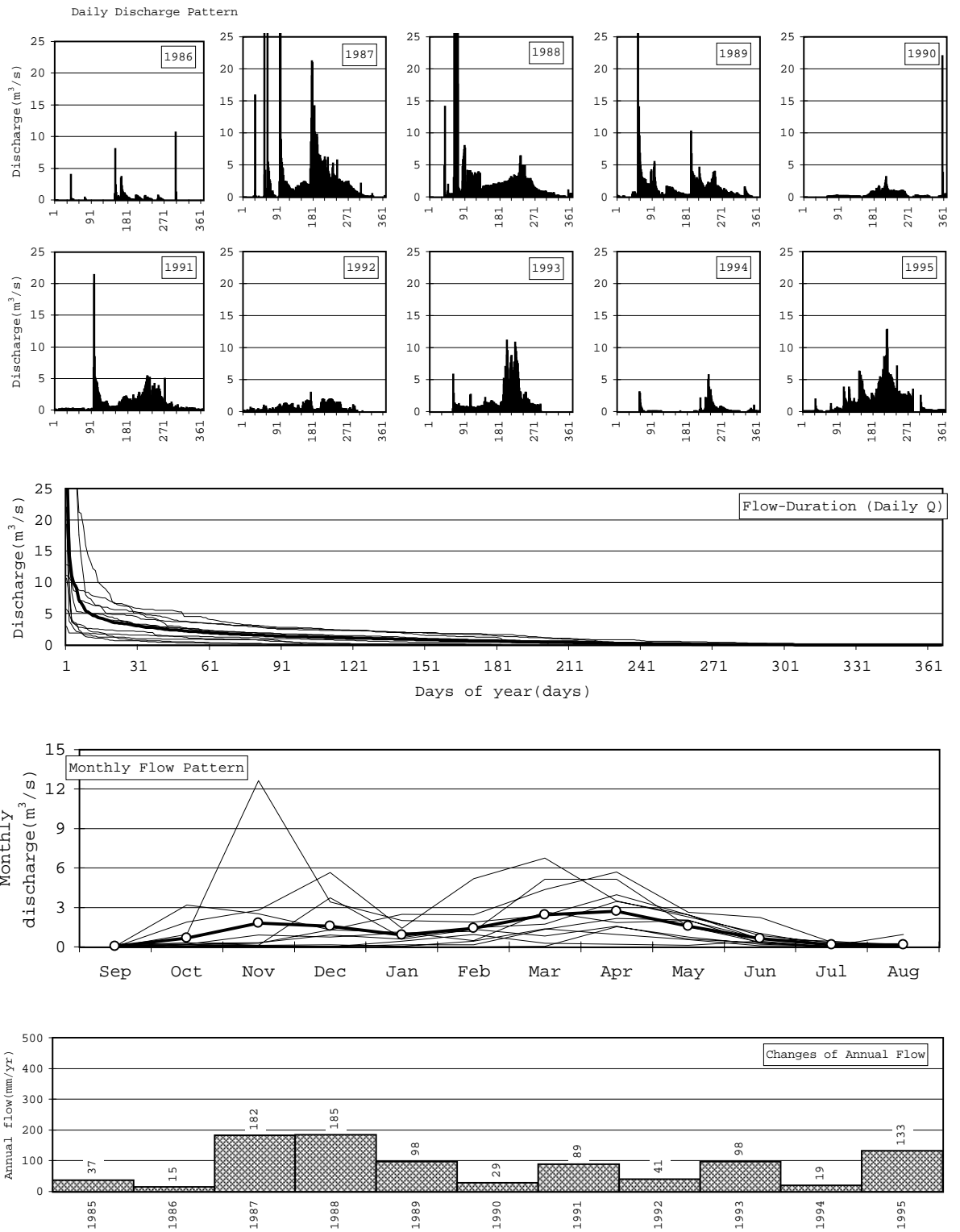


FEASIBILITY STUDY ON  
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Figure II.3.3.2 (8/25)  
Caractéristiques des  
écoulements aux sites de barrage

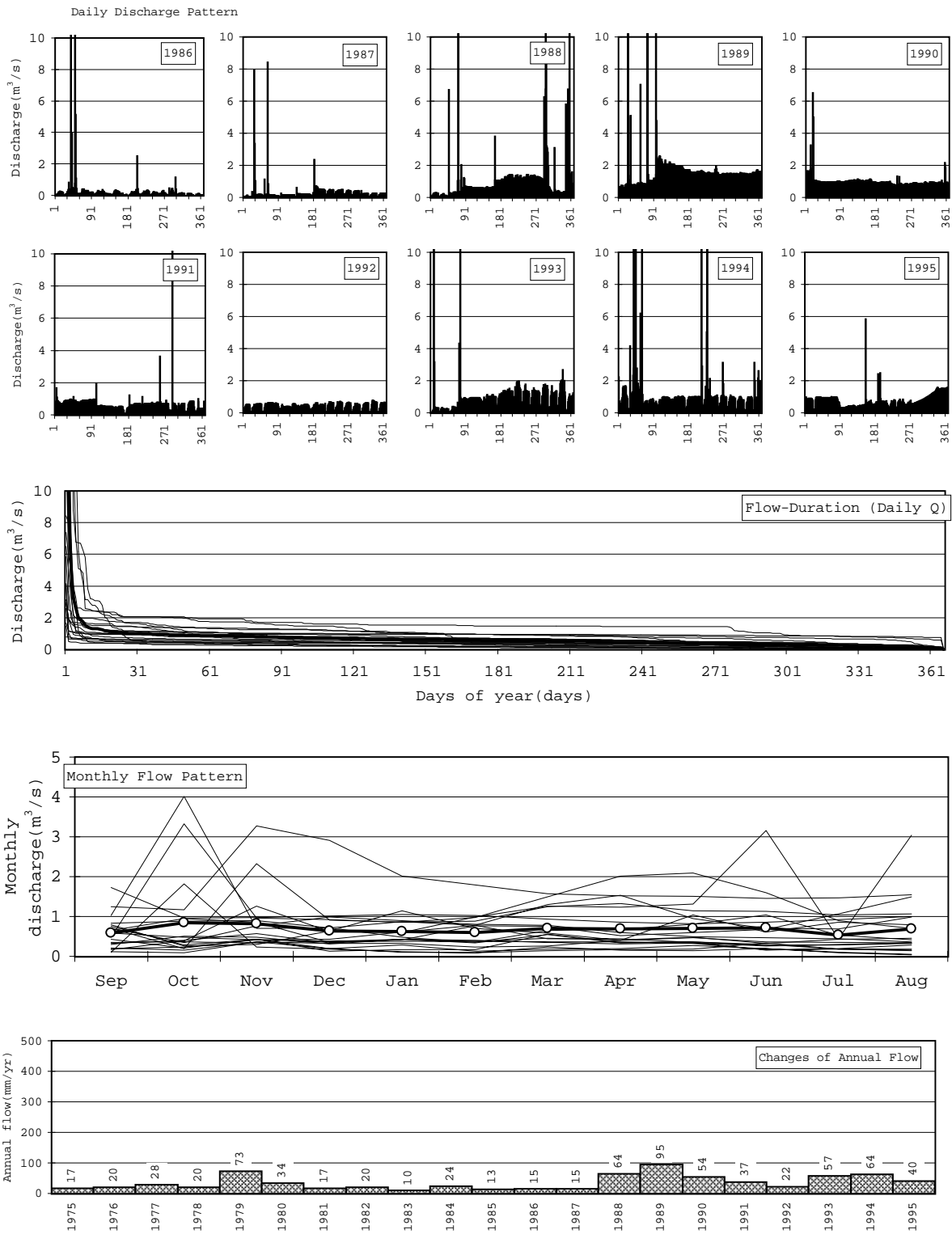
NO.9: TASCOURT DAM (439 KM<sup>2</sup>), REFERENCE STATION: SIDI BOUATHMANE (510 KM<sup>2</sup>)



FEASIBILITY STUDY ON  
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Figure II.3.3.2 (9/25)  
Caractéristiques des  
écoulements aux sites de barrage

NO.10: TIMKIT DAM (592 KM<sup>2</sup>), REFERENCE STATION: AIT BOUIJANE (702 KM<sup>2</sup>)

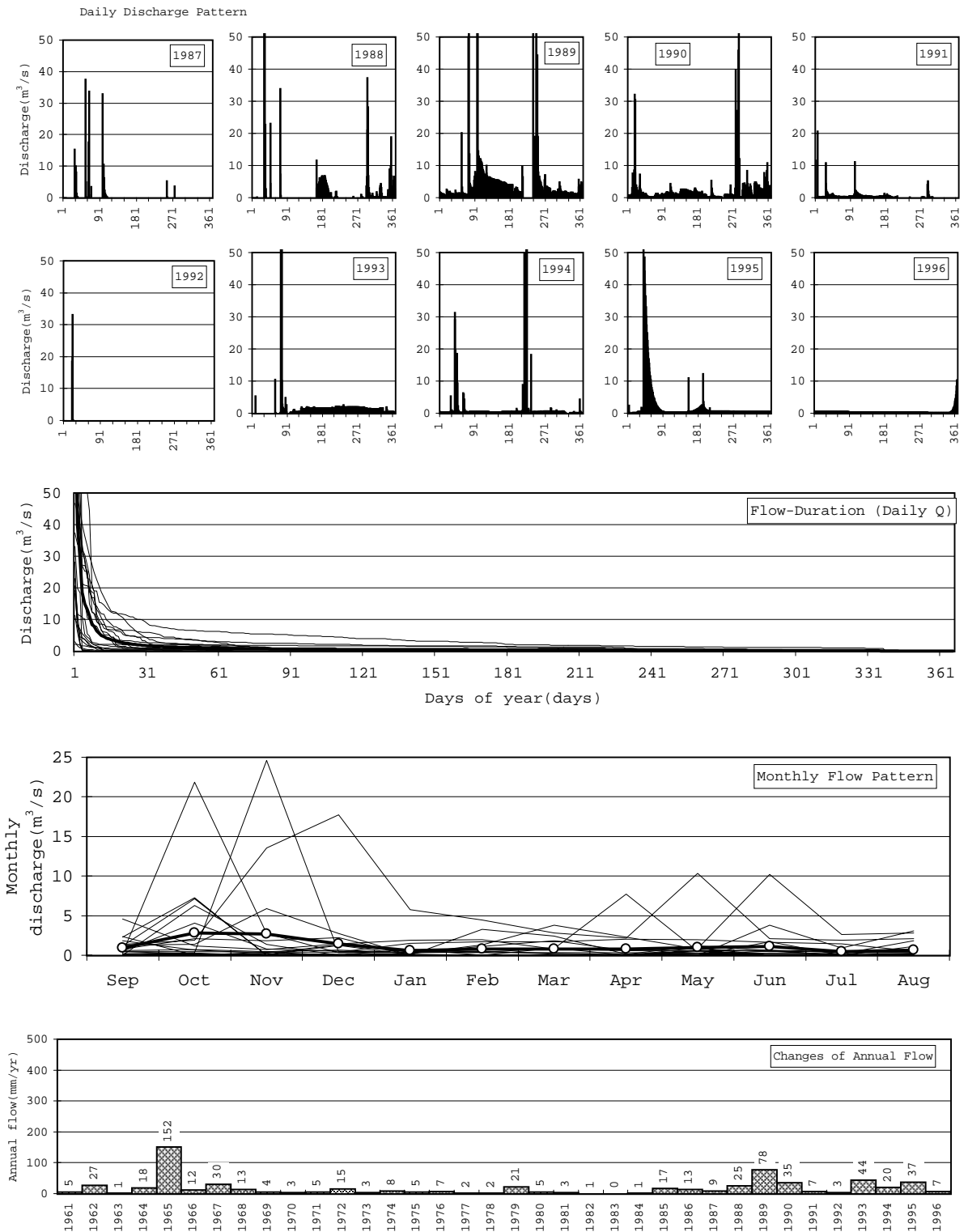


FEASIBILITY STUDY ON  
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Figure II.3.3.2 (10/25)  
Caractéristiques des  
écoulements aux sites de barrage

NO.11: TADIGHOUST DAM (2239 KM<sup>2</sup>), REFERENCE STATION: TADIGHOUST (2345 KM<sup>2</sup>)



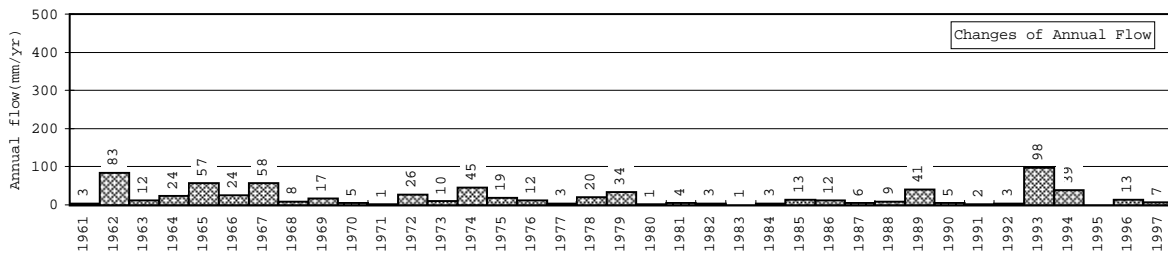
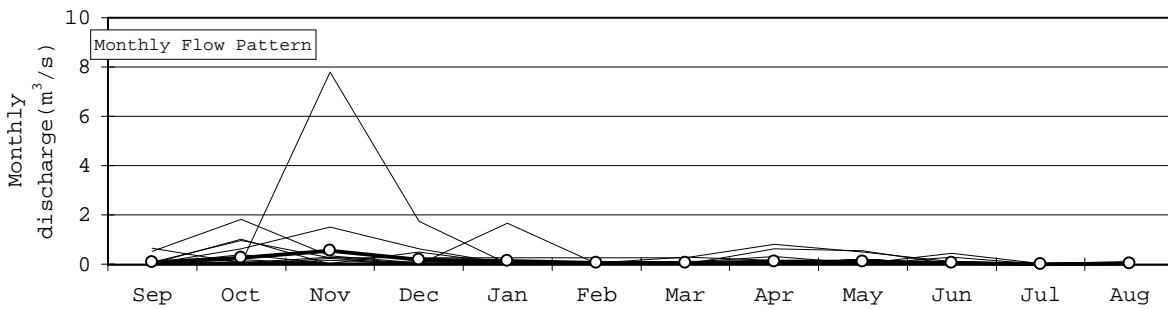
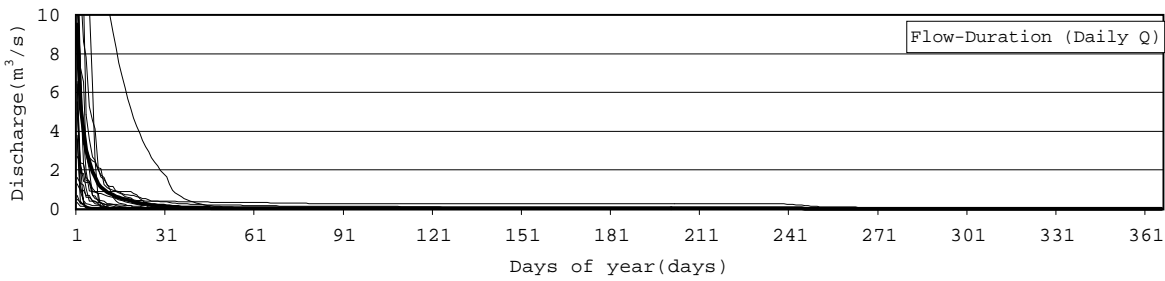
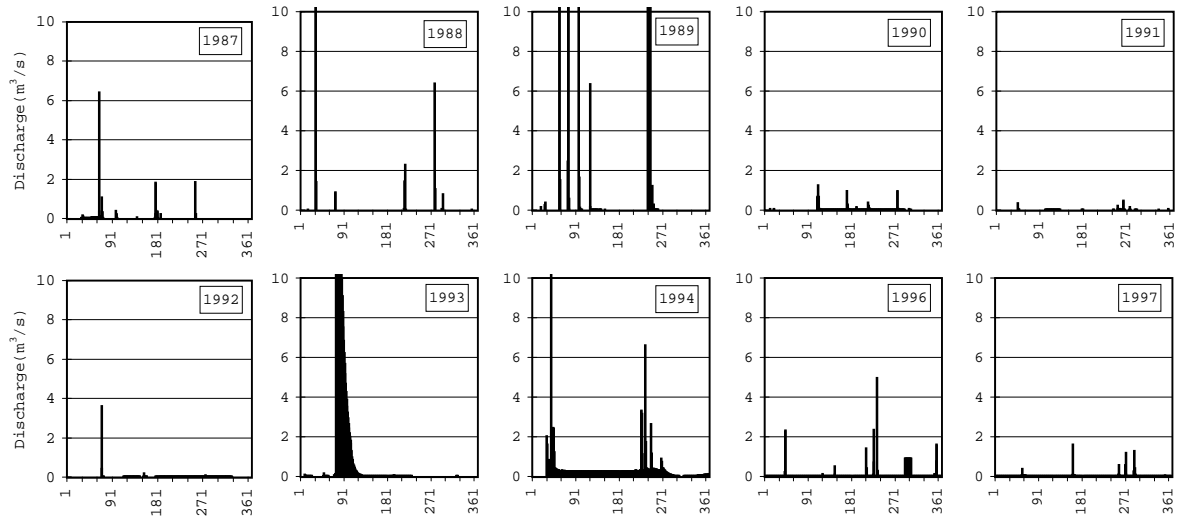
FEASIBILITY STUDY ON  
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Figure II.3.3.2 (11/25)  
 Caractéristiques des  
 écoulements aux sites de barrage



NO.12: TIOUZAGUINE DAM (258 KM<sup>2</sup>), REFERENCE STATION: TAZOUGUERT (2392 KM<sup>2</sup>)

Daily Discharge Pattern



FEASIBILITY STUDY ON  
WATER RESOURCES DEVELOPMENT  
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Figure II.3.3.2 (12/25)  
Caractéristiques des  
écoulements aux sites de barrage