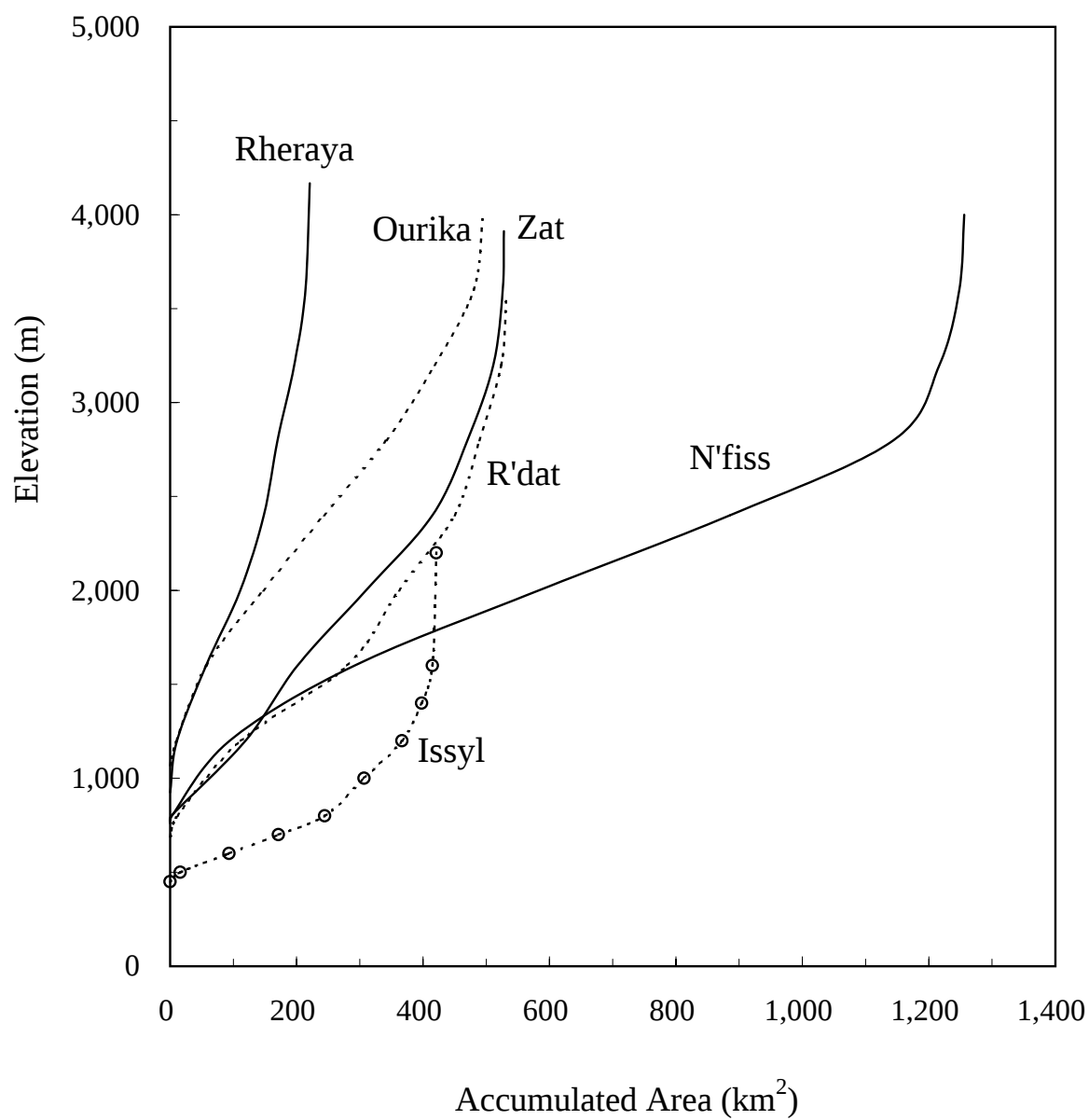
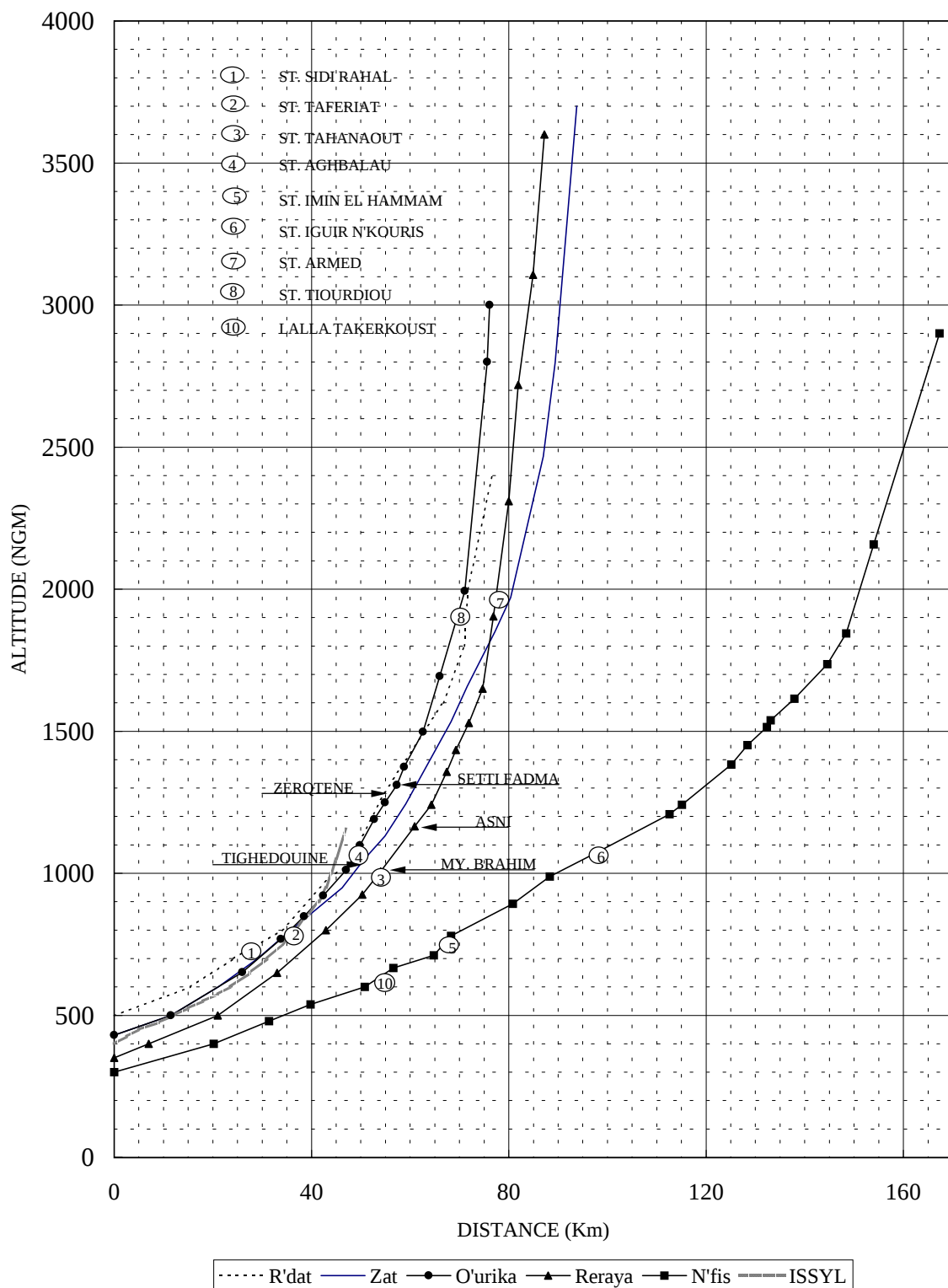


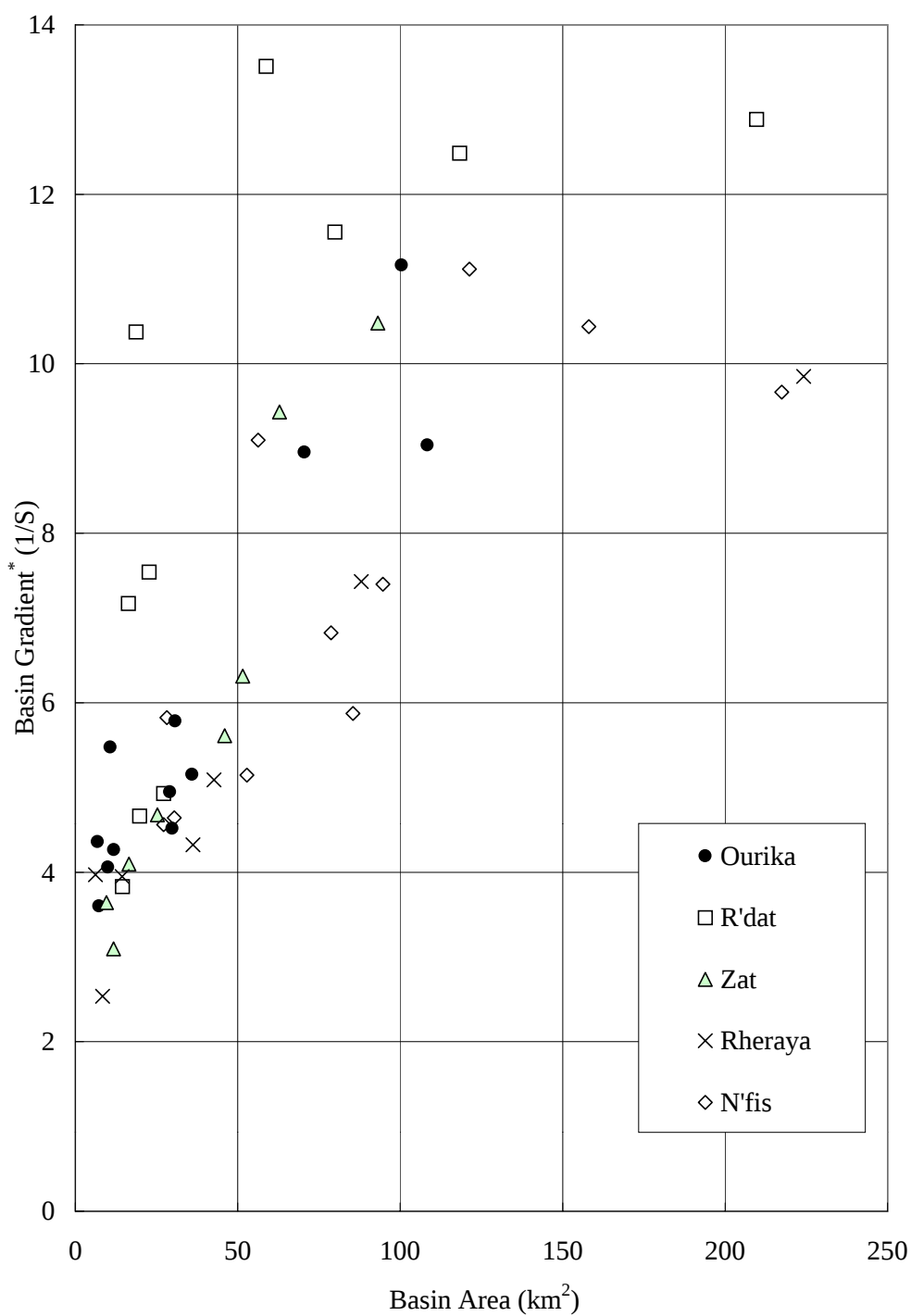
FIGURES



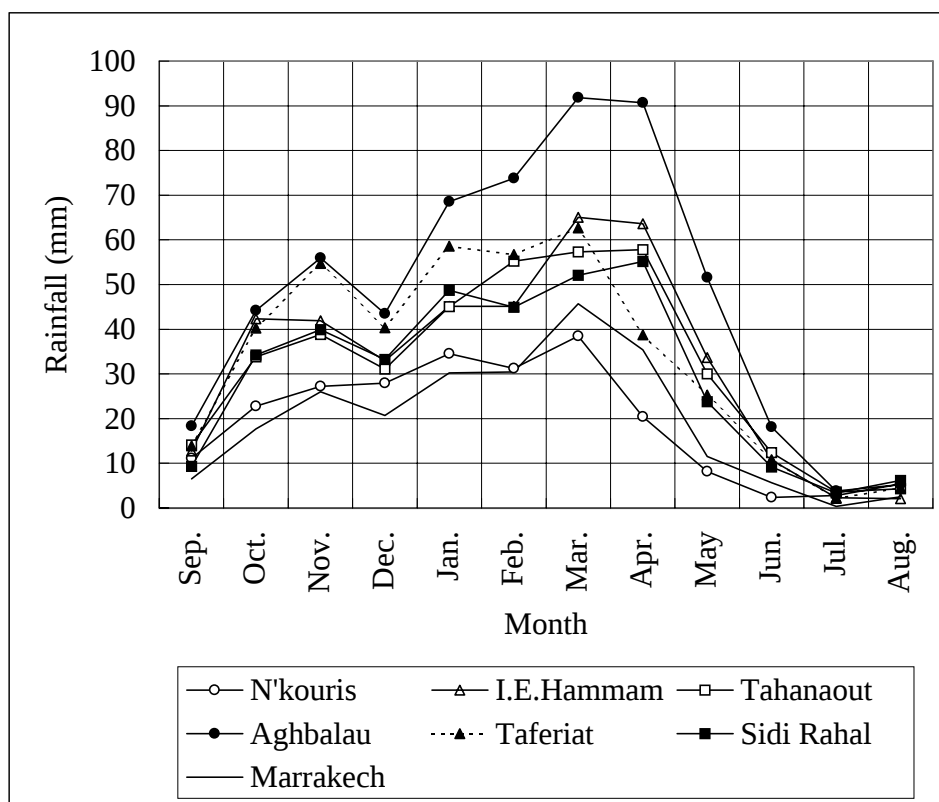


THE MASTER PLAN STUDY ON
FLOOD FORECASTING AND WARNING SYSTEM
FOR ATLAS REGION IN THE KINGDOM OF MOROCCO

Fig. C.1.3 PROFILE OF RIVERS

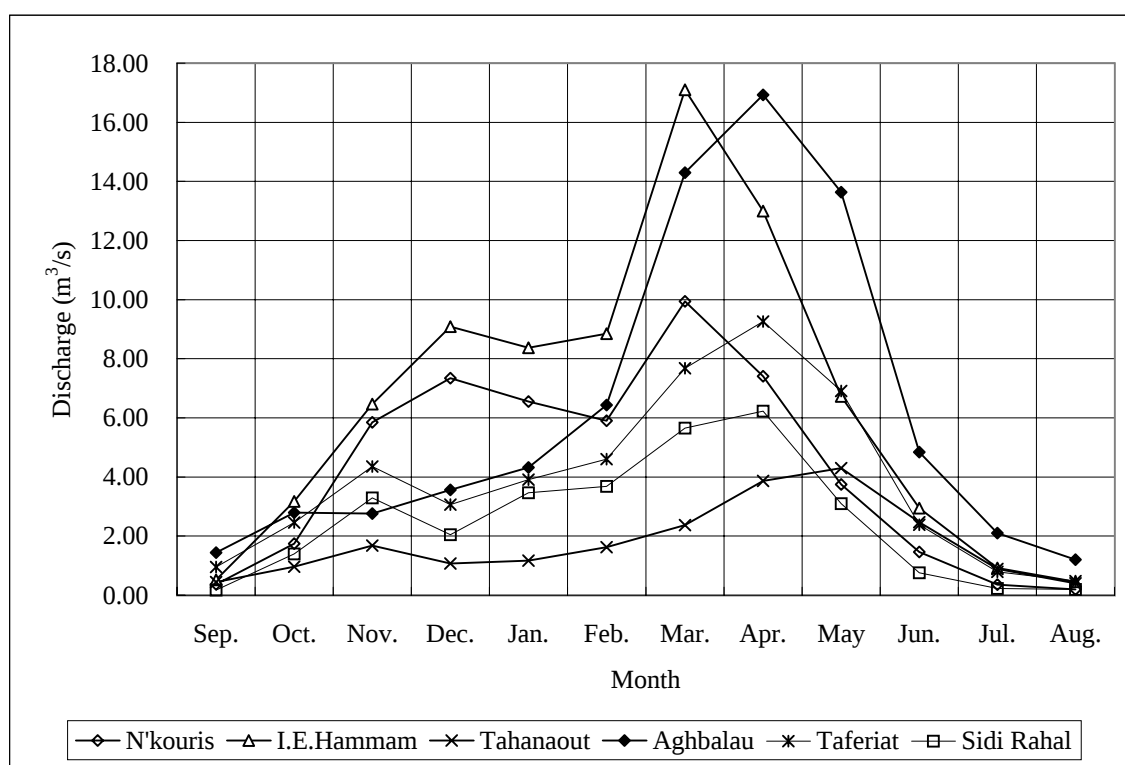


*Basin Gradient = Difference of Altitude Between Point of Confluence into Main River and Edge of Upstream of Basin / Difference of Length Between Those



		(mm)						
Month	Basin Station	N'fis		Rheray	Ourika	Zat	R'dat	Near
		N'kouris	I.E.Hammam	Tahanaout	Aghbalau	Taferiat	Sidi Rahal	Marrakech
Sep.		11	13	14	18	14	9	7
Oct.		23	42	34	44	40	34	18
Nov.		27	42	39	56	55	40	26
Dec.		28	33	31	43	40	33	21
Jan.		35	45	45	69	59	49	30
Feb.		31	45	55	74	57	45	30
Mar.		38	65	57	92	63	52	46
Apr.		20	64	58	91	39	55	35
May		8	34	30	52	25	24	12
Jun.		2	11	12	18	11	9	6
Jul.		3	2	4	4	2	3	0
Aug.		5	2	4	5	5	6	3
Oct.-Apr.(Rainy)		203	336	319	468	352	308	206
May-Sep.(Dry)		30	62	64	97	57	52	27
Annual		232	398	383	566	409	360	233

Data Source: DRHT



		(m ³ /s)					
Mont	Catchment Area (km ²)	848.0	1256.0	221.0	495.0	528.0	532.0
	Basin Station	N'fis	N'fis	Rheraya	Ourika	Zat	R'dat
		N'kouris	I.E.Hammam	Tahanaout	Aghbalau	Taferiat	Sidi Rahal
Sep.		0.36	0.52	0.45	1.44	0.95	0.17
Oct.		1.74	3.18	0.97	2.80	2.46	1.39
Nov.		5.85	6.46	1.68	2.77	4.35	3.29
Dec.		7.35	9.09	1.07	3.56	3.06	2.05
Jan.		6.55	8.37	1.17	4.33	3.92	3.46
Feb.		5.90	8.85	1.62	6.43	4.61	3.68
Mar.		9.94	17.10	2.37	14.29	7.68	5.66
Apr.		7.41	12.99	3.86	16.93	9.26	6.23
May		3.75	6.73	4.30	13.63	6.91	3.09
Jun.		1.47	2.95	2.47	4.84	2.39	0.76
Jul.		0.36	0.92	0.88	2.10	0.79	0.23
Aug.		0.19	0.45	0.40	1.20	0.48	0.20
Average		4.24	6.47	1.77	6.19	3.90	2.52
Record		'64-'94	'66-'98	'62-'97	'69-'96	'62-'97	'63-'96

Data Source: DRHT

