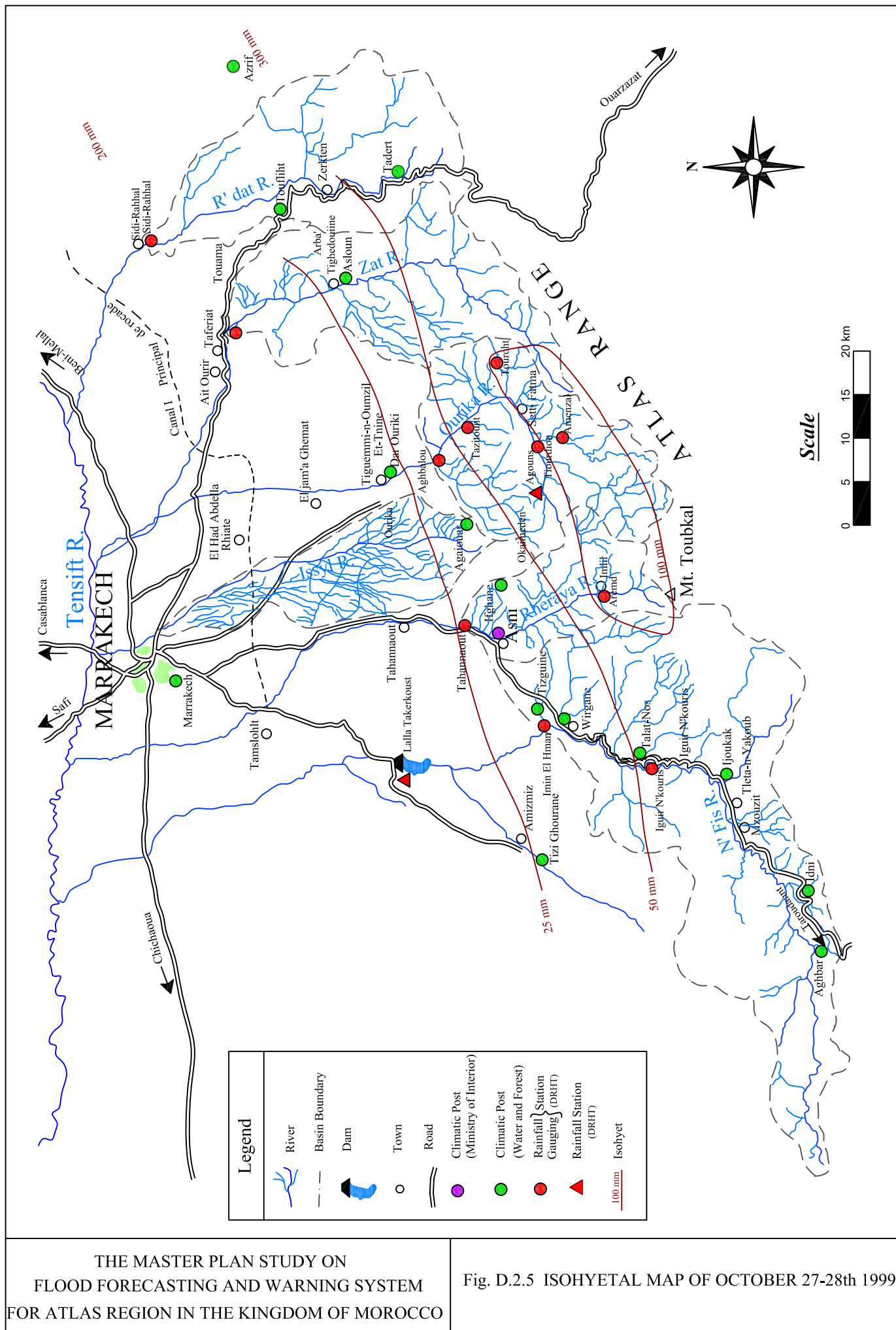
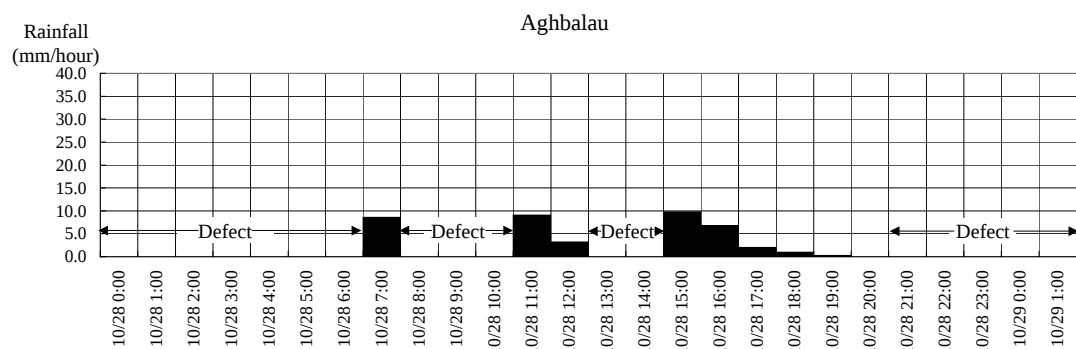
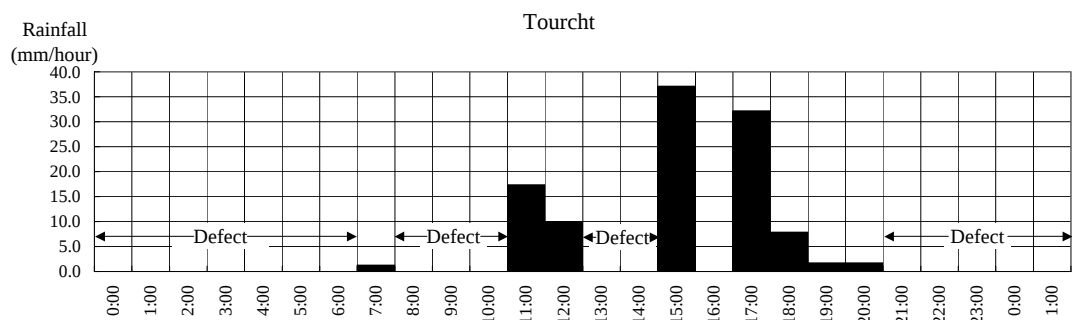
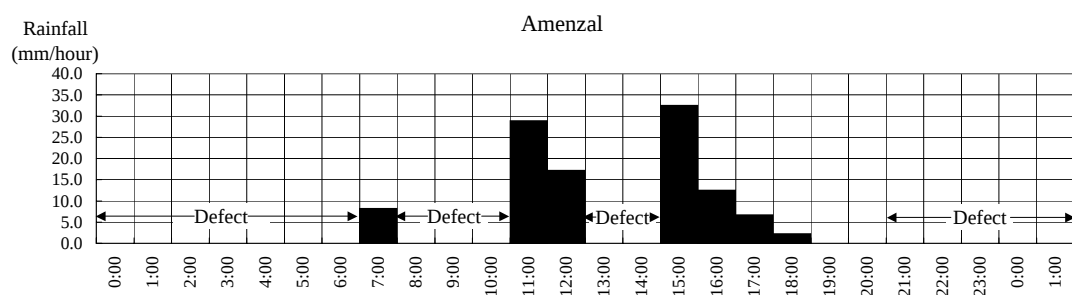
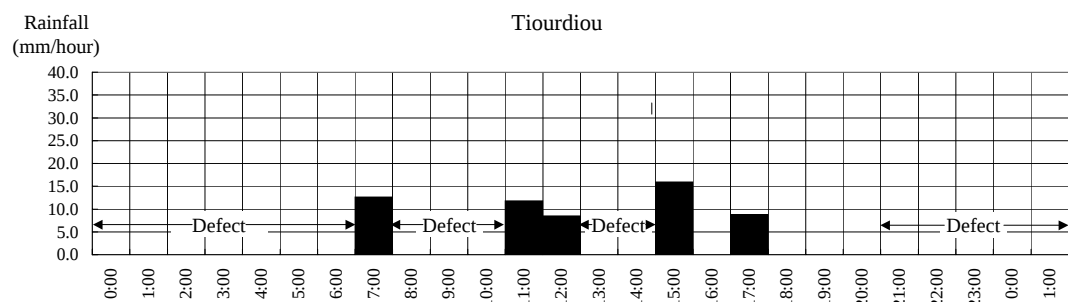
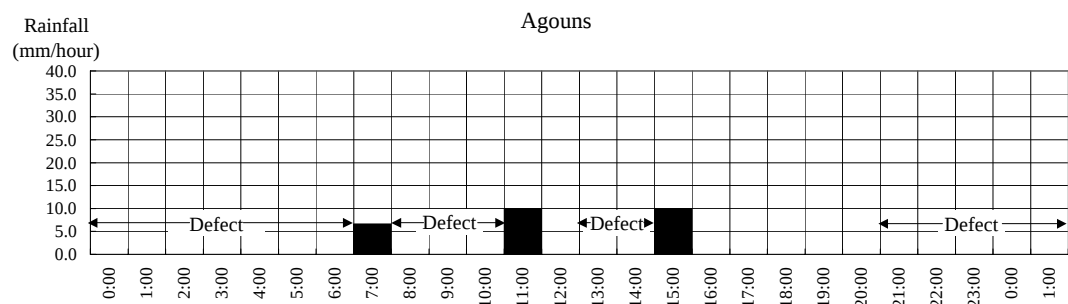
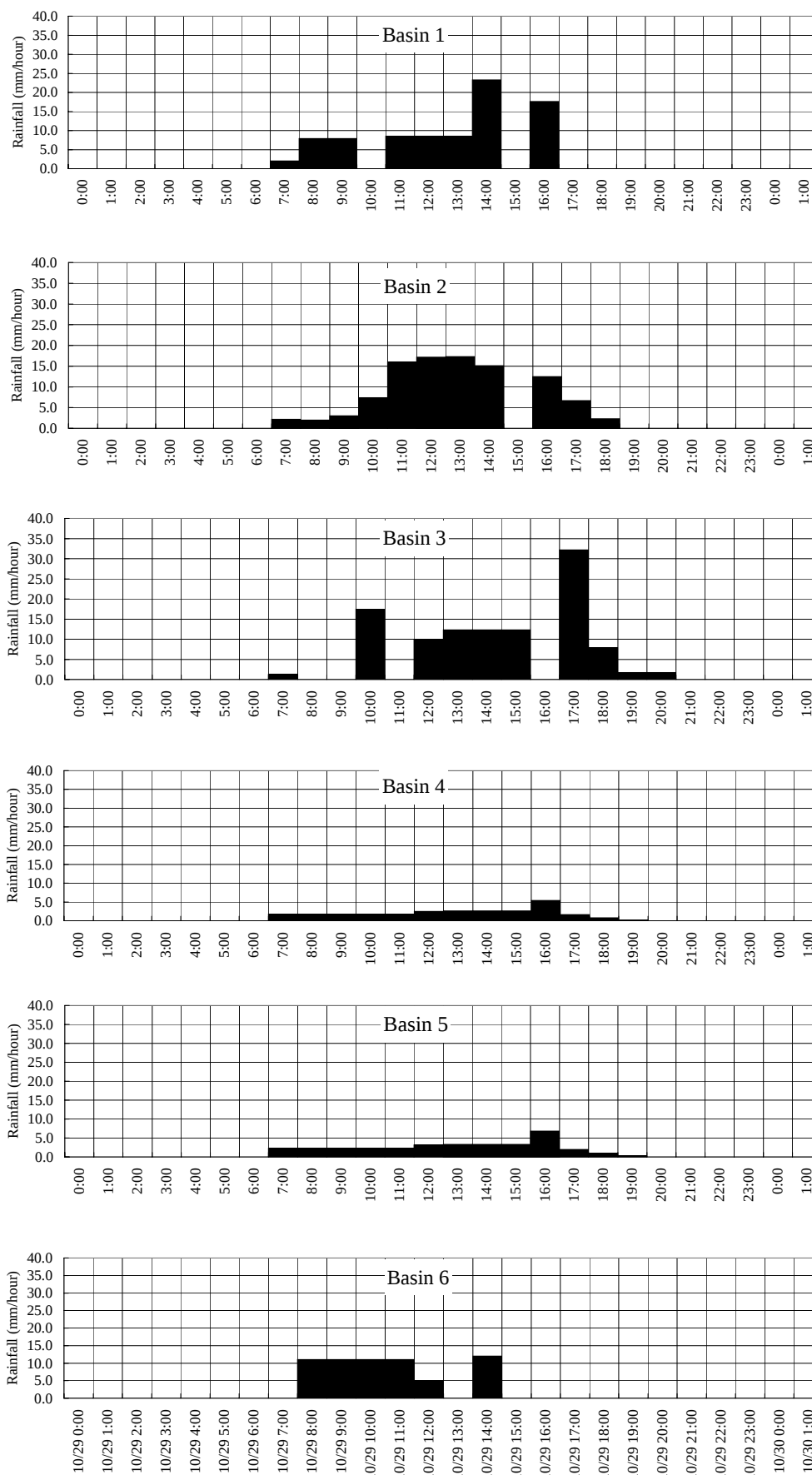
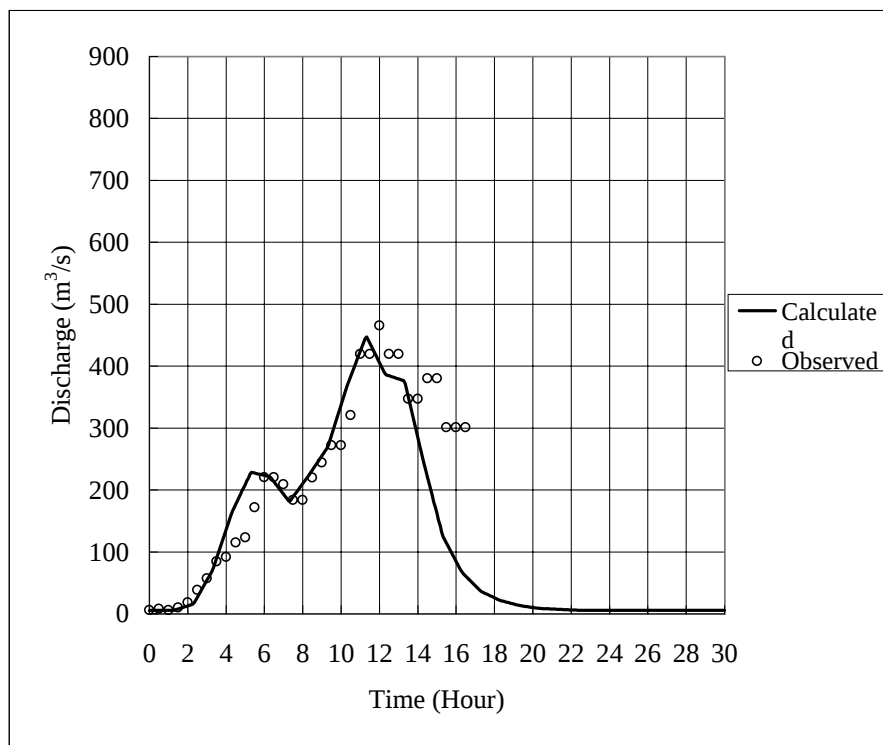




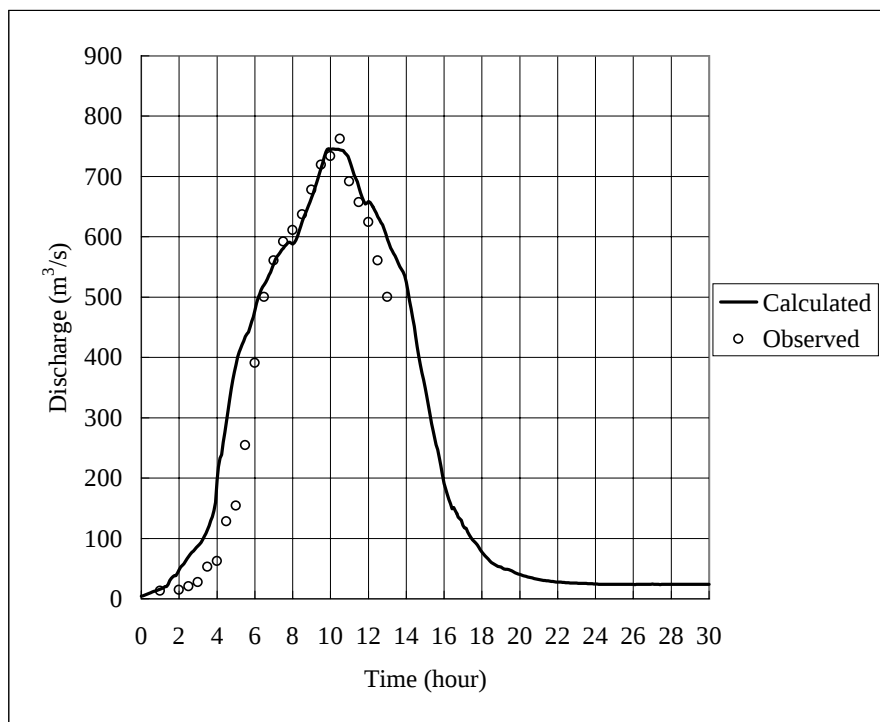


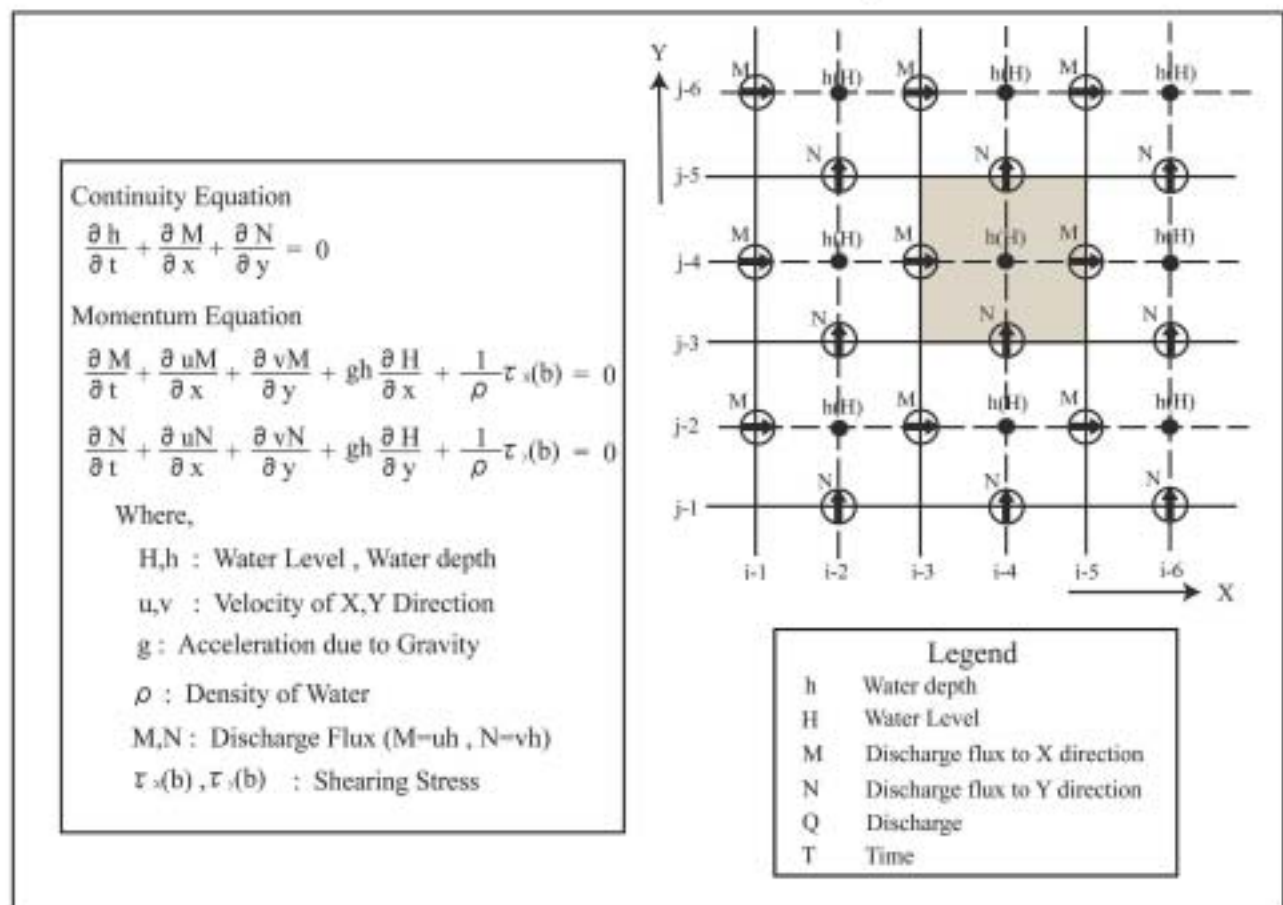
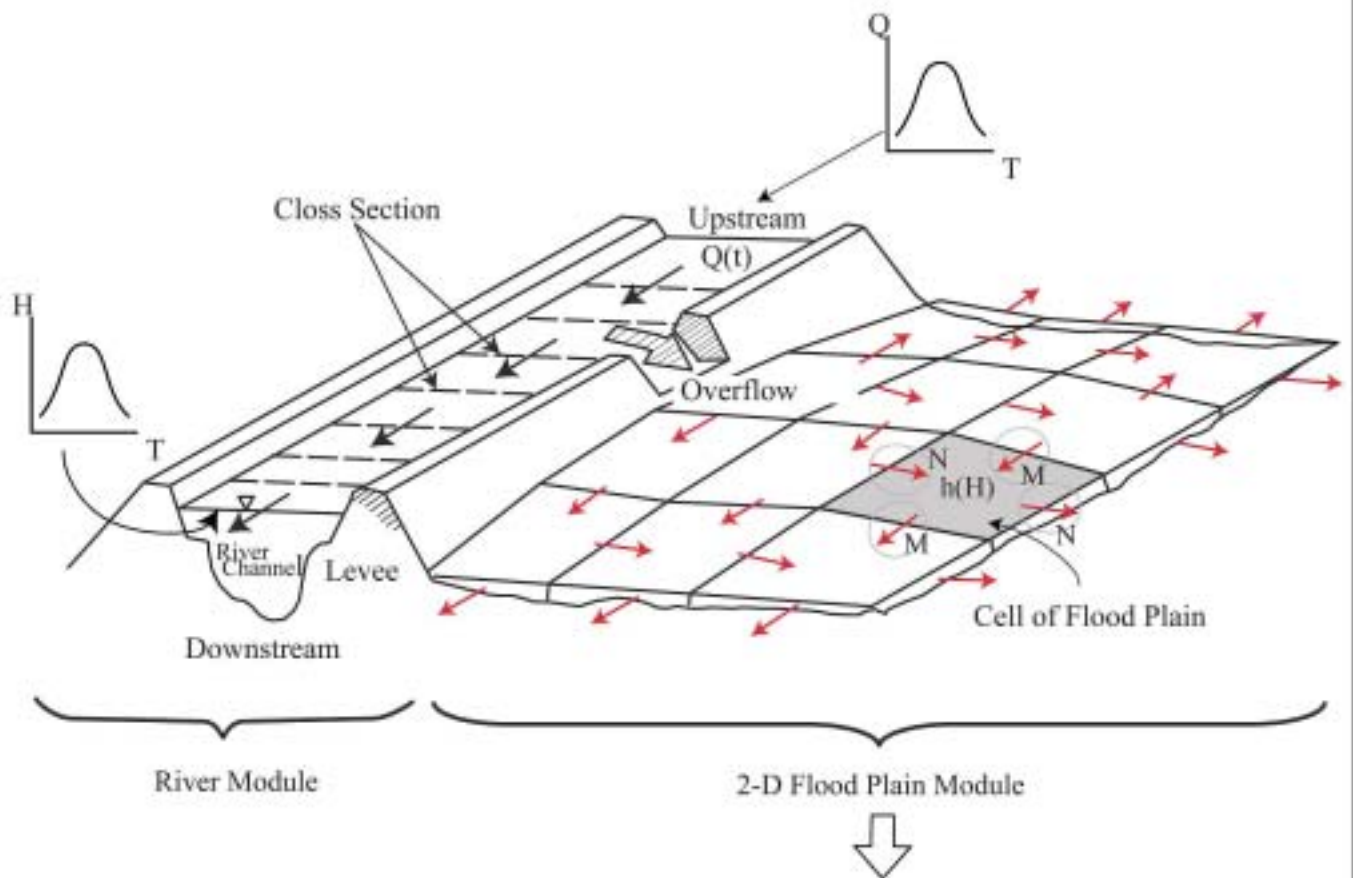


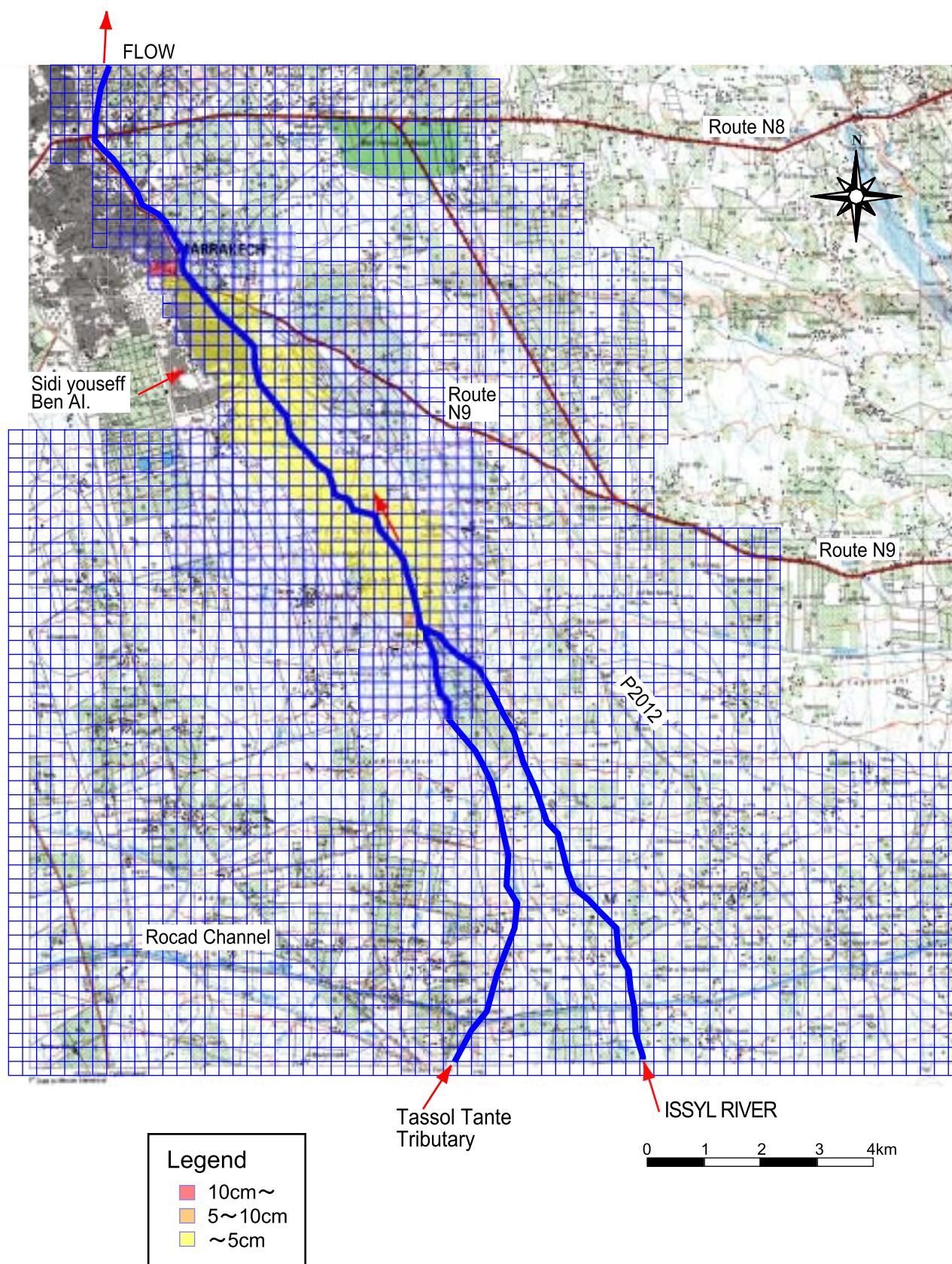
Tioudiou



Aghbalou

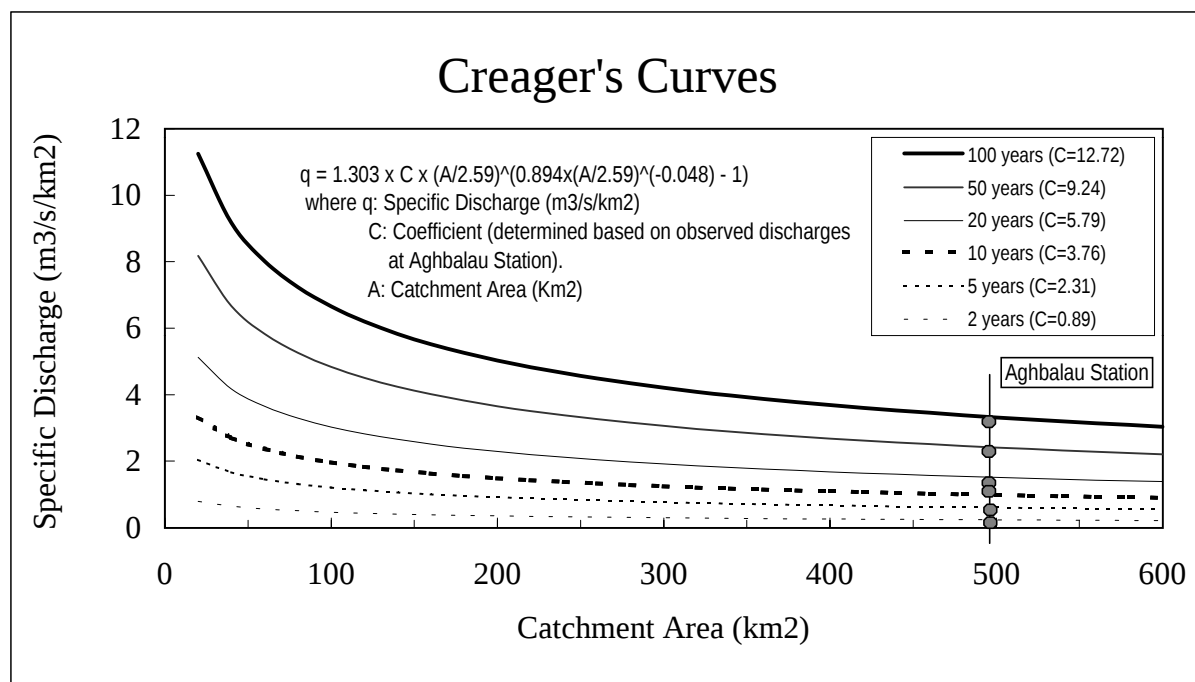






THE MASTER PLAN STUDY ON
FLOOD FORECASTING AND WARNING SYSTEM
FOR ATLAS REGION IN KINGDOM OF MOROCCO

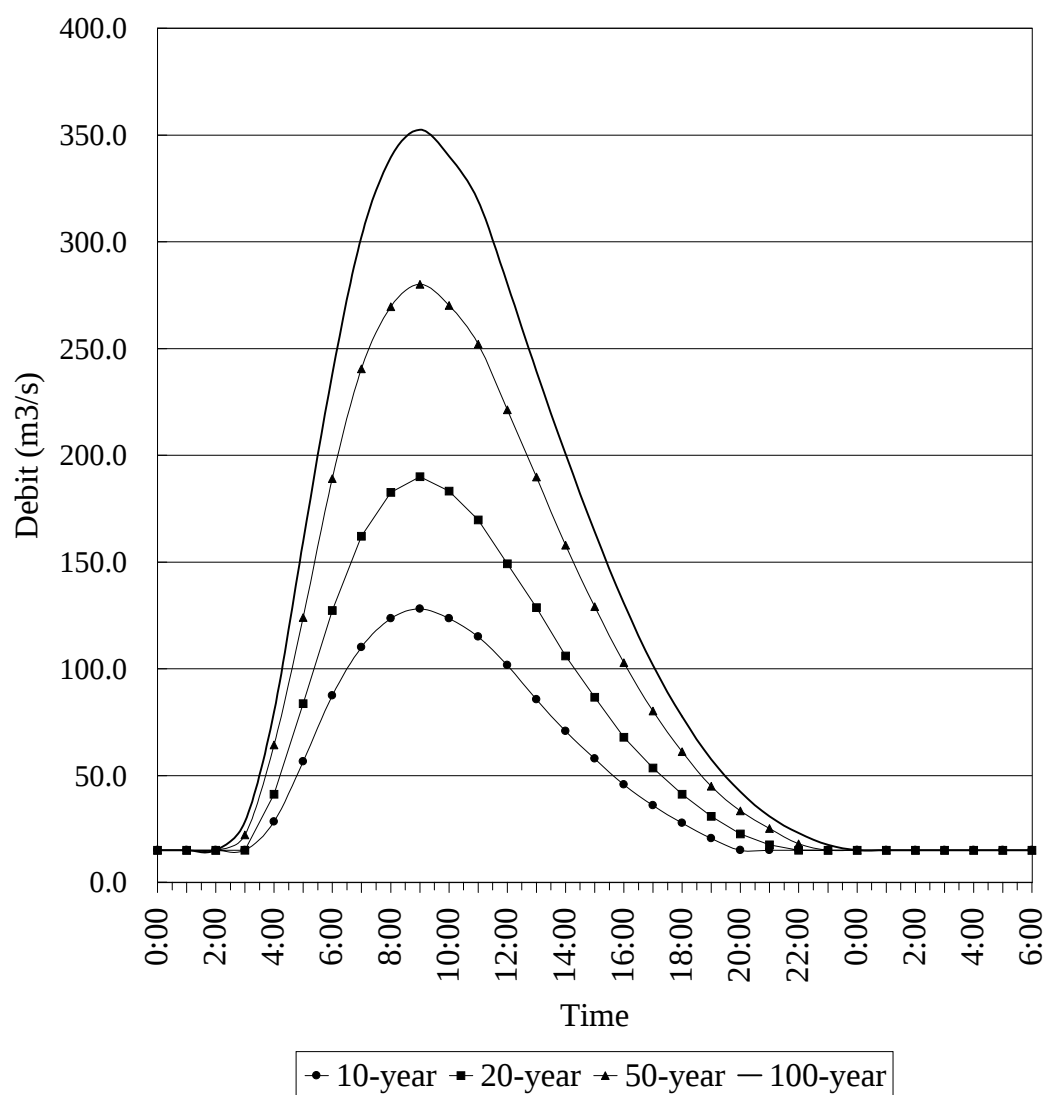
Fig. D.2.10 SIMULATION RESULT OF ISSYL
RIVER
(PEAK DISCHARGE=90m³/s)



Estimation of Probable Discharge by Return Period

Location	Catchment Area (km²)	100 years		50 years		20 years		10 years		5 years		2 years	
		(m³/s/km²)	(m³/s)	(m³/s/km²)	(m³/s)	(m³/s/km²)	(m³/s)	(m³/s/km²)	(m³/s)	(m³/s/km²)	(m³/s)	(m³/s/km²)	(m³/s)
Aghbalau Station	495	3.33	1,650	2.42	1,200	1.52	750	0.99	490	0.61	300	0.23	115
Before confluence with Tarzaza R.	390	3.73	1,460	2.71	1,060	1.70	660	1.10	430	0.68	260	0.26	105
Before confluence with Tighzit R.	365	3.85	1,400	2.80	1,020	1.75	640	1.14	420	0.70	260	0.27	100
Tazzitount Station	347	3.94	1,370	2.86	990	1.79	620	1.16	400	0.72	250	0.28	95
Before confluence with Wigrane R.	266	4.44	1,180	3.23	860	2.02	540	1.31	350	0.81	220	0.31	80
Setti Fadma	223	4.80	1,070	3.48	780	2.18	490	1.42	320	0.87	190	0.34	70
Tiourdiou Station	134	5.93	790	4.31	580	2.70	360	1.75	240	1.08	140	0.42	60
Amenzal Station	49	8.58	420	6.24	310	3.91	190	2.54	120	1.56	75	0.60	30

Note: The probable discharges at Aghbalau Station were estimated by DRHT using observed data.

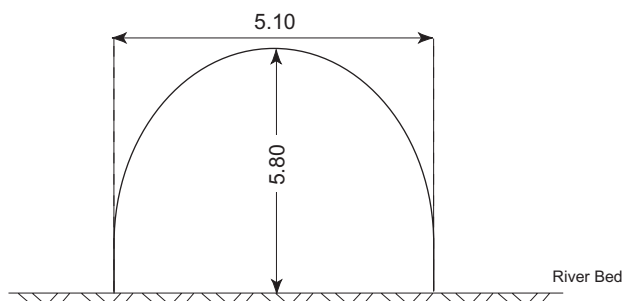
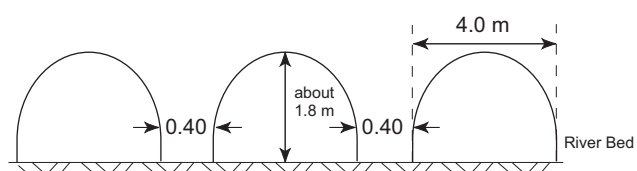
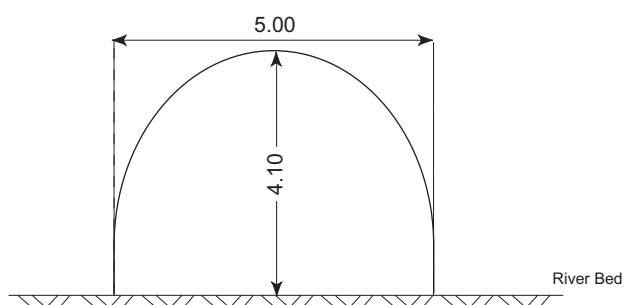
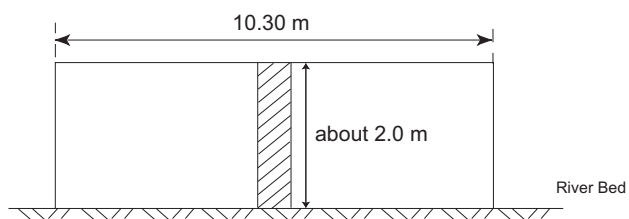


Photos



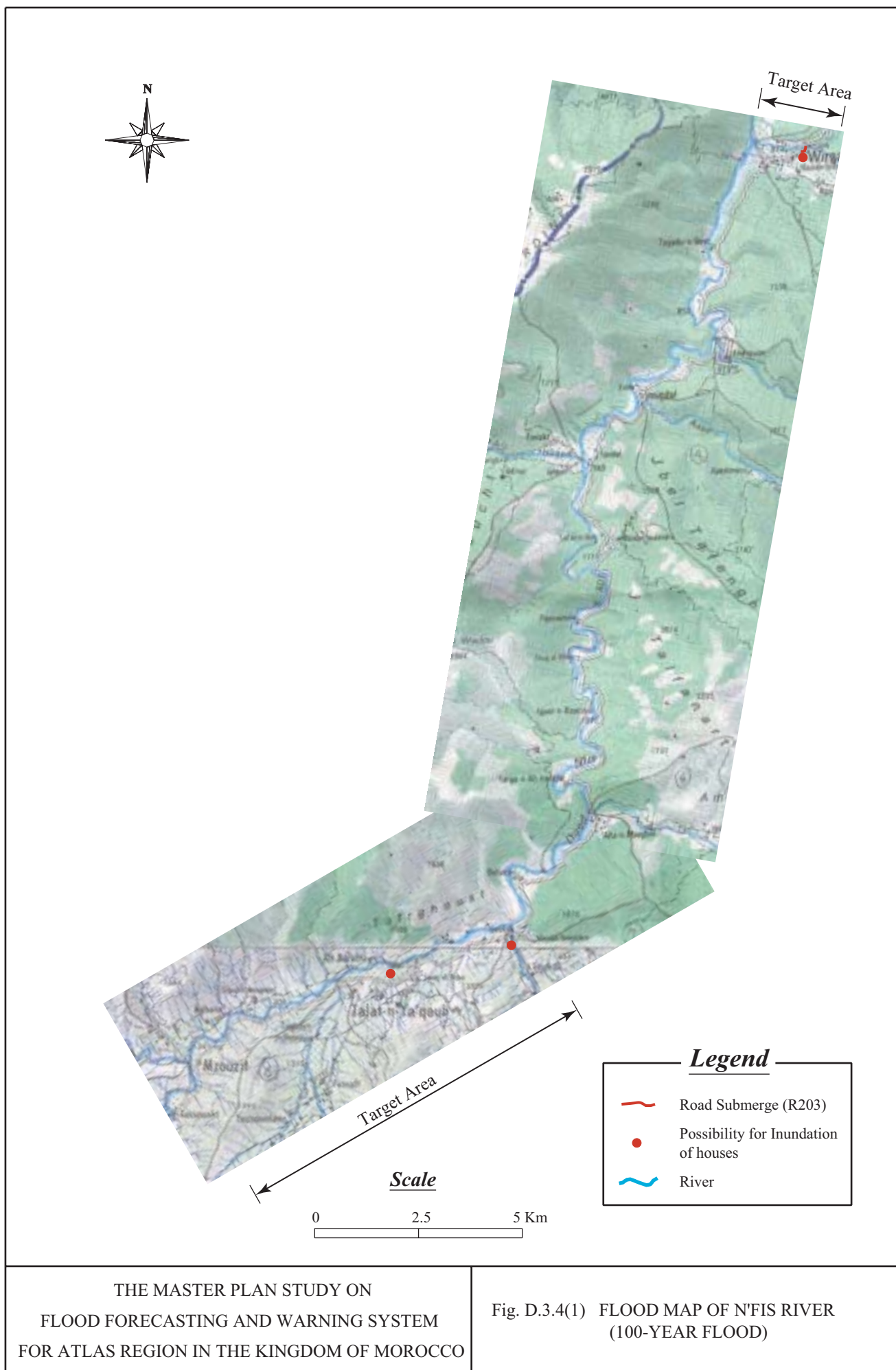
Memorial Bridge

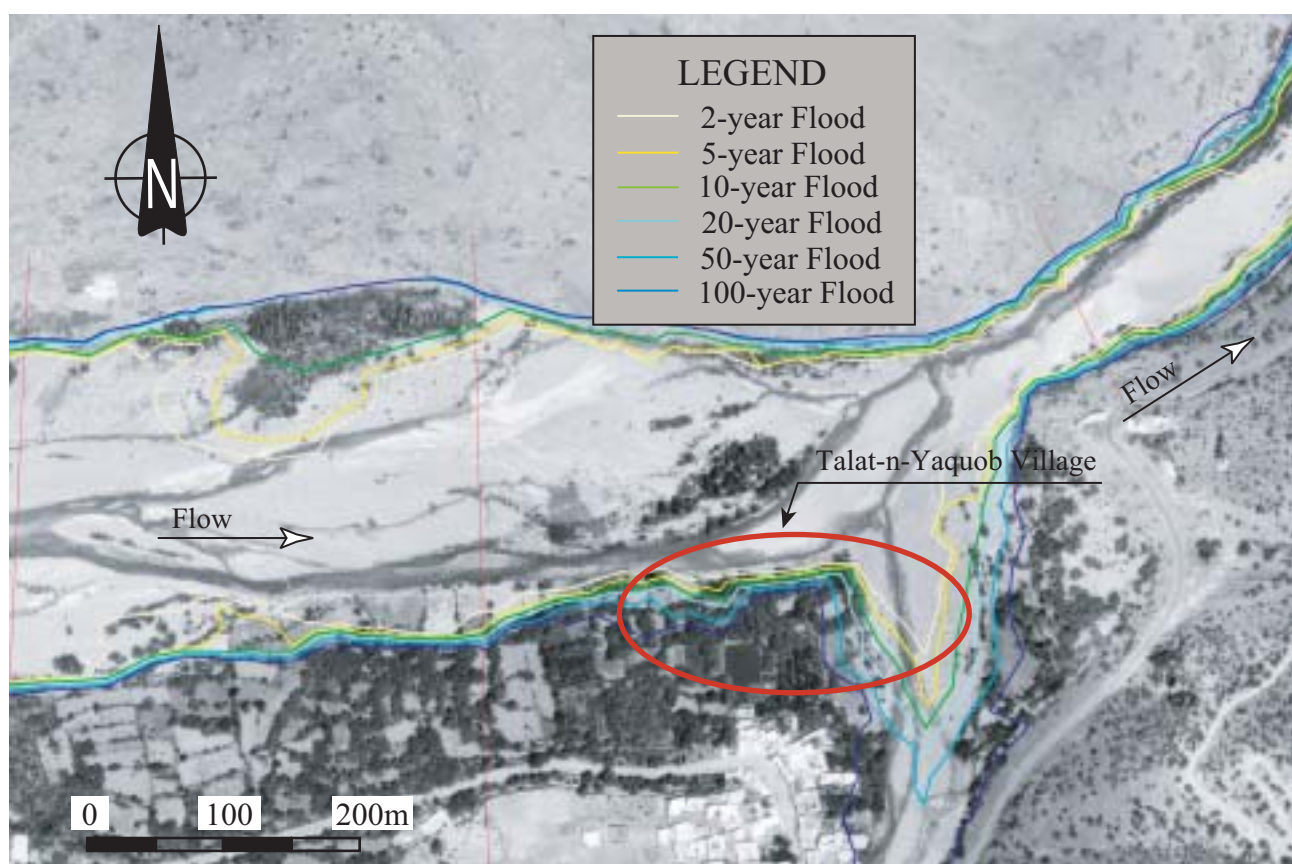
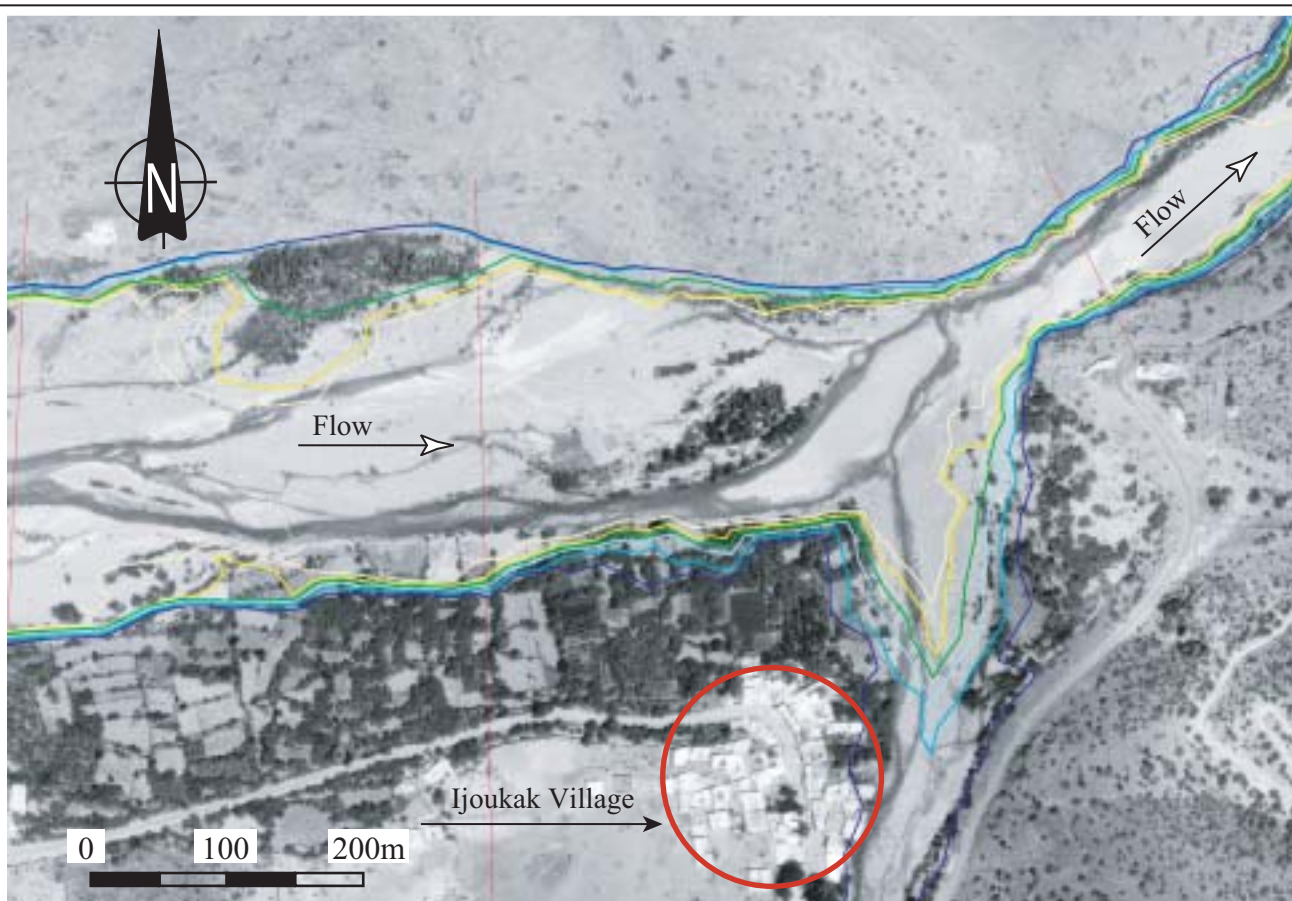
Shape of Soffit



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

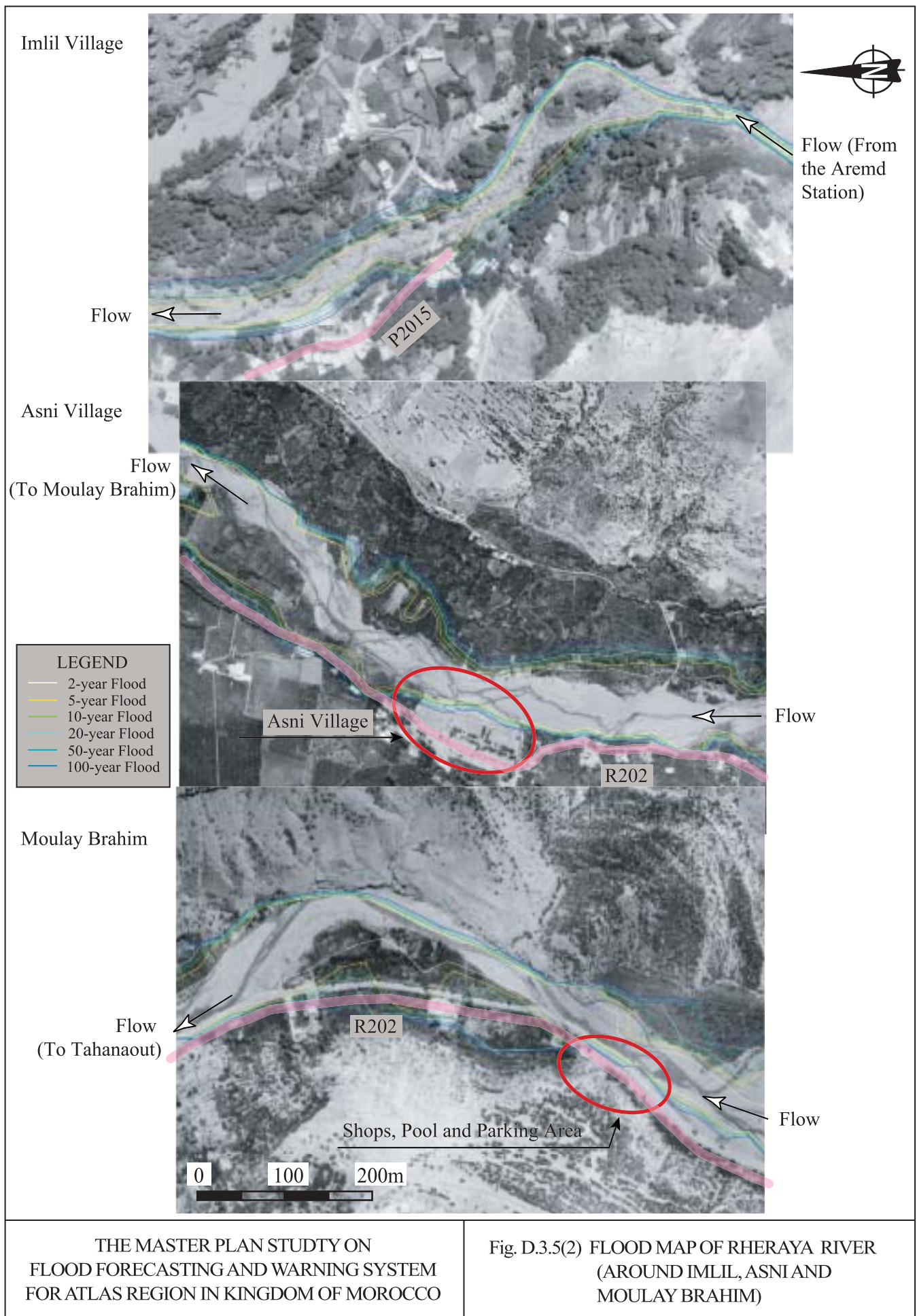
Fig. D.3.3 BRIDGES IN ISSYL RIVER

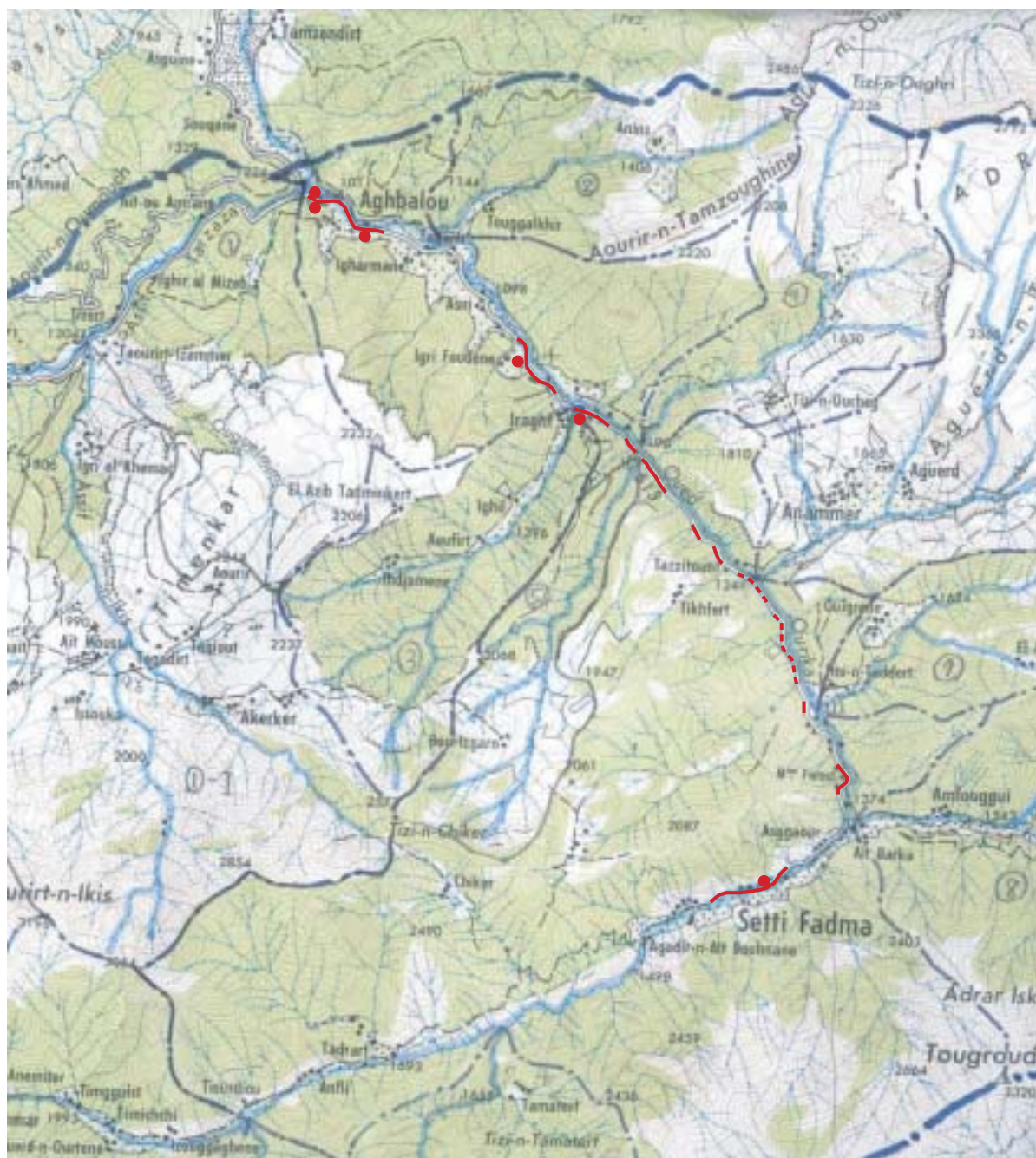




THE MASTER PLAN STUDY ON
FLOOD FORECASTING AND WARNING SYSTEM
FOR ATLAS REGION IN KINGDOM OF MOROCCO

Fig. D.3.4 (2) FLOOD MAP OF N'FIS RIVER
(AROUND IJOUKAK, TALAT-
n-YAQUOB VILLAGE)





Scale



Legend

-  Road Submerge (P2017)
-  Possibility for Inundation of houses
-  River

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

Fig. D.3.6 FLOOD MAP OF OURIKA RIVER
(100-YEAR FLOOD)