

## General Information

River Name	Till	Catchment Area (km2)	648
Station Name	Etal	SAAR (mm) 61-90	826
Station Number	21031	Mean Annual Rain (mm) 62-91	848
Grid Reference	NT927396	Mean Annual PE (mm) 62-91	521
EA Region	EA-NE	Observed flow record	1961 to 1980



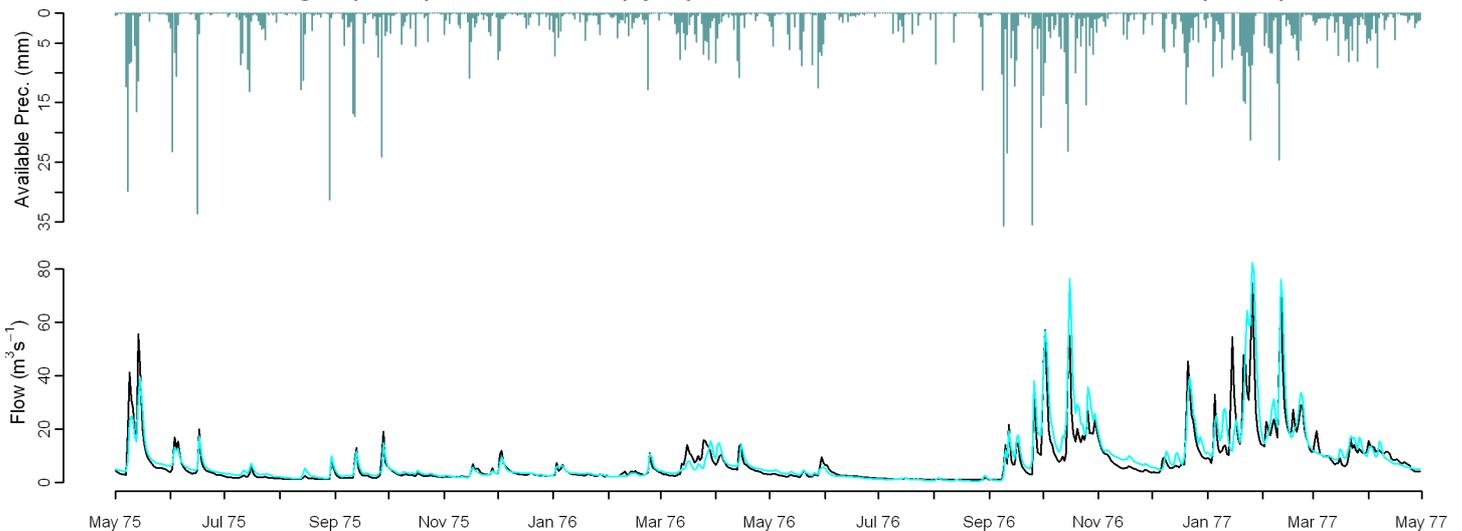
## Observed Data

## Comparison of gauged and simulated flow

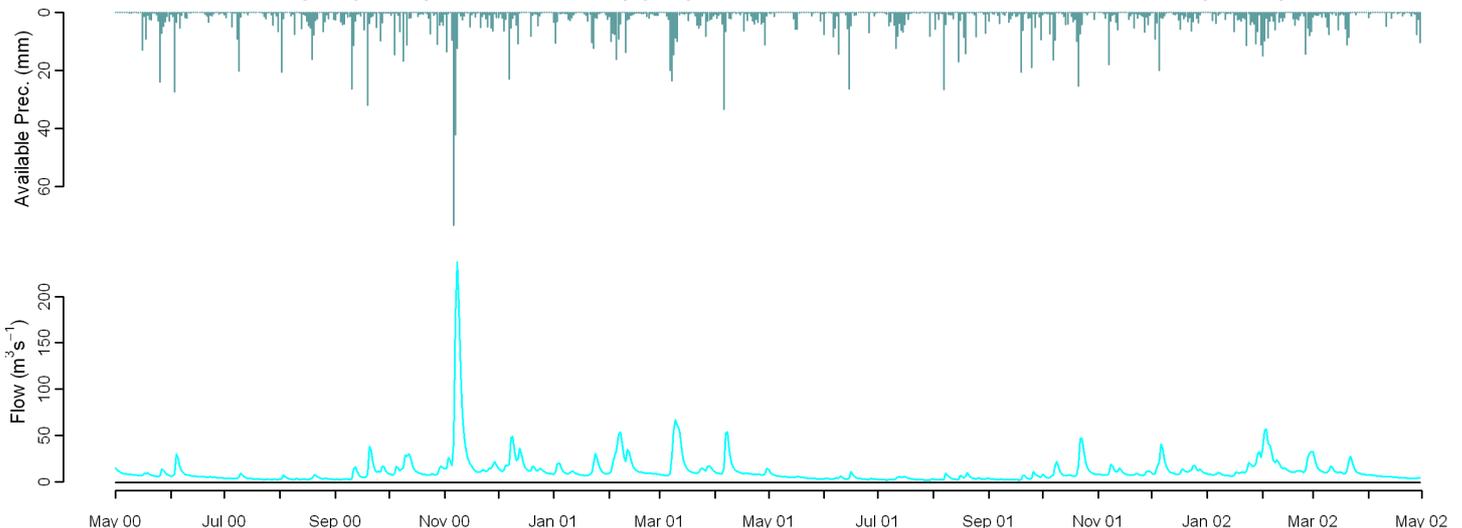
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	8.5	12.5	14.1	6.6	8.5	-5.7	-6.0	12.1	-1.6	6.6	-0.2	-4.1	10.0	0.71
Performance Band	1	2	1	1	1	2	2	1	1	2	1	1	1	1
MORECS (1962-1991)	1.2	9.2	5.4	-1.6	-5.4	-10.4	-11.3	-3.9	-8.4	-20.4	5.9	-3.2	7.0	0.70
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	-0.8	7.9	8.8	7.9	13.0									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-9.0	-7.3	-6.3	-2.9	7.6									

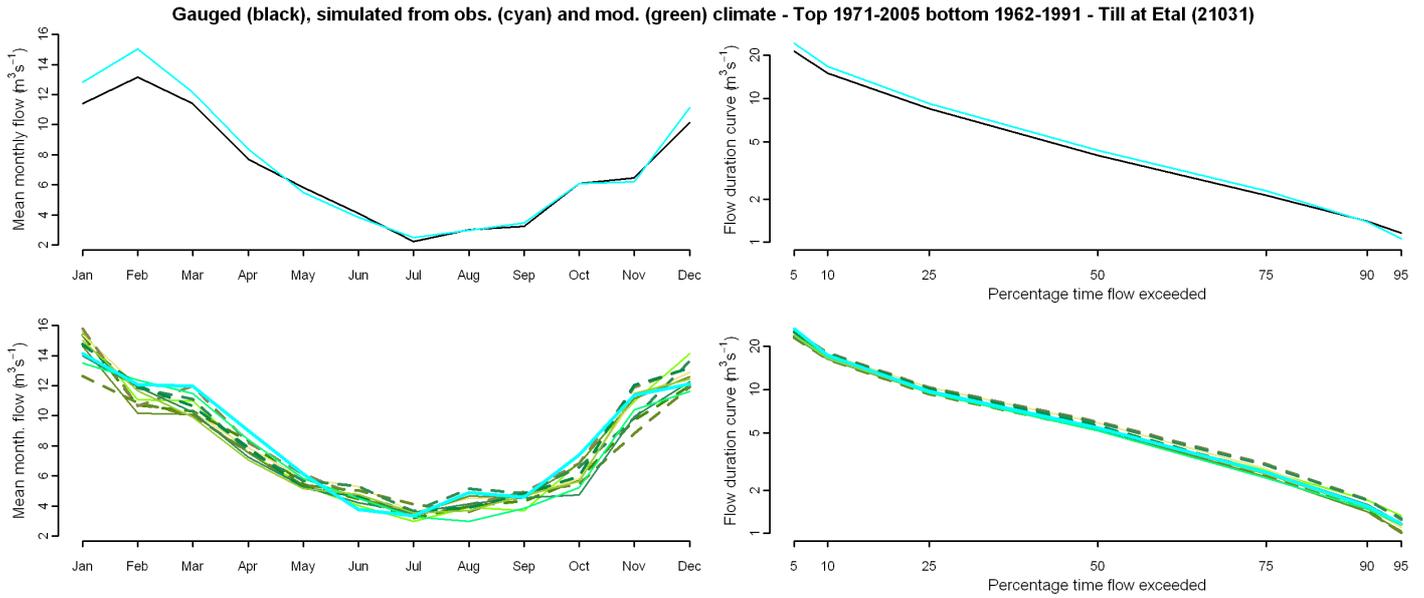
Gauged (black) and simulated (cyan) flows from observed climate - Till at Etal (21031)



Gauged (black) and simulated (cyan) flows from observed climate - Till at Etal (21031)



Comparison of gauged and simulated flow (observed and modelled climate)



Percentage difference between flow simulated from observed climate and Future Flows Climate

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	-2	-6	1	3	-6	-7	-9	2	-7	-1	-8
January	12	2	9	12	3	-5	-2	7	-3	5	6
April	-15	-15	-6	-4	-14	-16	-18	-6	-5	-11	-18
July	-8	3	10	2	1	18	7	10	-3	6	7
October	-4	-21	-20	-4	-12	-24	-26	-12	-26	-19	-22
Q90	13	-6	-1	9	-14	-9	-1	10	-7	-6	-1
Q75	4	0	5	14	-10	-5	-2	13	-10	-2	-3
Q50	-1	1	8	12	-4	-2	-2	10	-5	3	-1
Q25	-1	-3	6	8	-2	-3	-2	7	-3	3	-2
Q5	-7	-13	-7	-3	-7	-10	-12	-2	-8	-5	-13
RP2	-11	-14	-11	-10	-9	-20	-17	-16	-8	-11	-8
RP10	-20	-21	-19	-21	-6	-25	-22	-17	-18	-12	0

Climate change graphs for 2050s

