

General Information

River Name	Ettrick Water	Catchment Area (km2)	38
Station Name	Brockhoperig	SAAR (mm) 61-90	1746
Station Number	21017	Mean Annual Rain (mm) 62-91	1824
Grid Reference	NT234132	Mean Annual PE (mm) 62-91	429
EA Region	SEPA-SE	Observed flow record	1965 to 2005



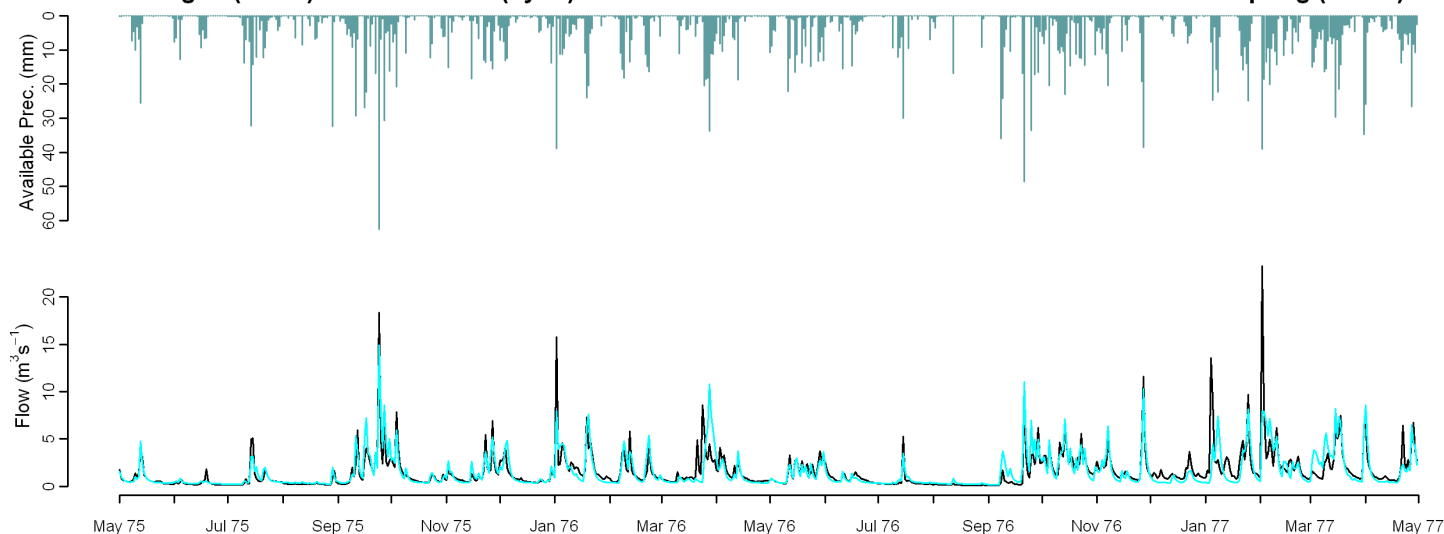
Observed Data

Comparison of gauged and simulated flow

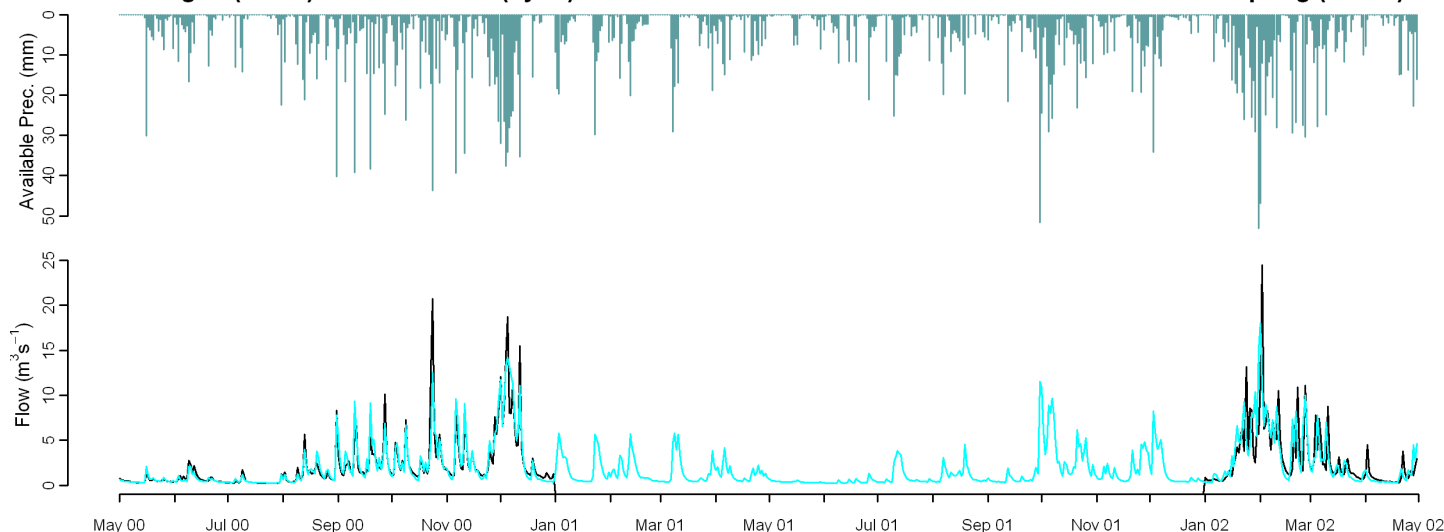
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-4.0	-6.4	-3.2	0.0	-7.1	-12.2	-9.3	0.3	-1.8	-1.7	-4.7	-1.4	-4.4	0.75
Performance Band	1	1	1	1	1	2	1	1	1	1	1	1	1	1
MORECS (1962-1991)	-2.9	-3.4	-4.5	4.9	-6.1	-10.5	-8.0	1.4	-2.2	0.2	-4.5	-0.2	-4.8	0.71
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	12.9	-19.1	-25.0	1.2	2.9									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	12.1	-21.3	-24.9	3.8	5.4									

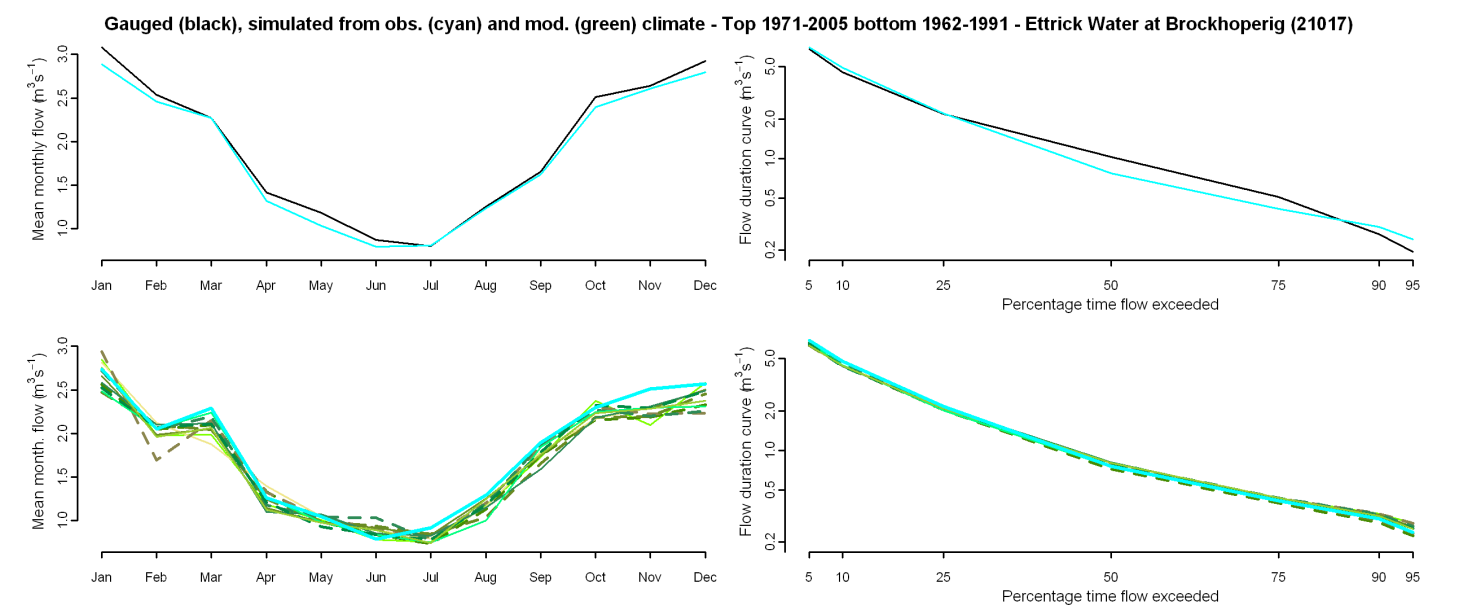
Gauged (black) and simulated (cyan) flows from observed climate - Ettrick Water at Brockhoperig (21017)



Gauged (black) and simulated (cyan) flows from observed climate - Ettrick Water at Brockhoperig (21017)



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	-3	-4	-3	0	-4	-4	-4	-1	-4	-4	-4
January	5	-6	4	4	-3	-6	-8	-1	-10	-11	5
April	-5	1	15	10	-10	-1	-12	-5	-1	-3	-13
July	-16	-12	-15	-8	-8	-12	-8	-14	-17	-17	-19
October	4	1	-8	4	-2	-3	5	-4	-1	4	-1
Q90	10	-5	1	11	5	-3	2	7	3	1	5
Q75	6	-3	2	6	2	-1	2	5	0	1	5
Q50	7	-3	5	7	5	0	6	5	-1	4	7
Q25	-4	-4	-2	-1	-4	-5	-1	-2	-6	-4	-3
Q5	-8	-5	-8	-7	-9	-8	-7	-5	-4	-7	-9
RP2	-3	-5	-6	-3	2	-3	-8	1	-2	-4	-4
RP10	-6	-9	-11	-7	10	-12	-15	0	-8	-2	-5

Climate change graphs for 2050s

