

General Information

River Name	Evan Water	Catchment Area (km2)	80
Station Name	Beattock	SAAR (mm) 61-90	
Station Number	78999	Mean Annual Rain (mm) 62-91	1594
Grid Reference		Mean Annual PE (mm) 62-91	430
EA Region		Observed flow record	1995 to 2008



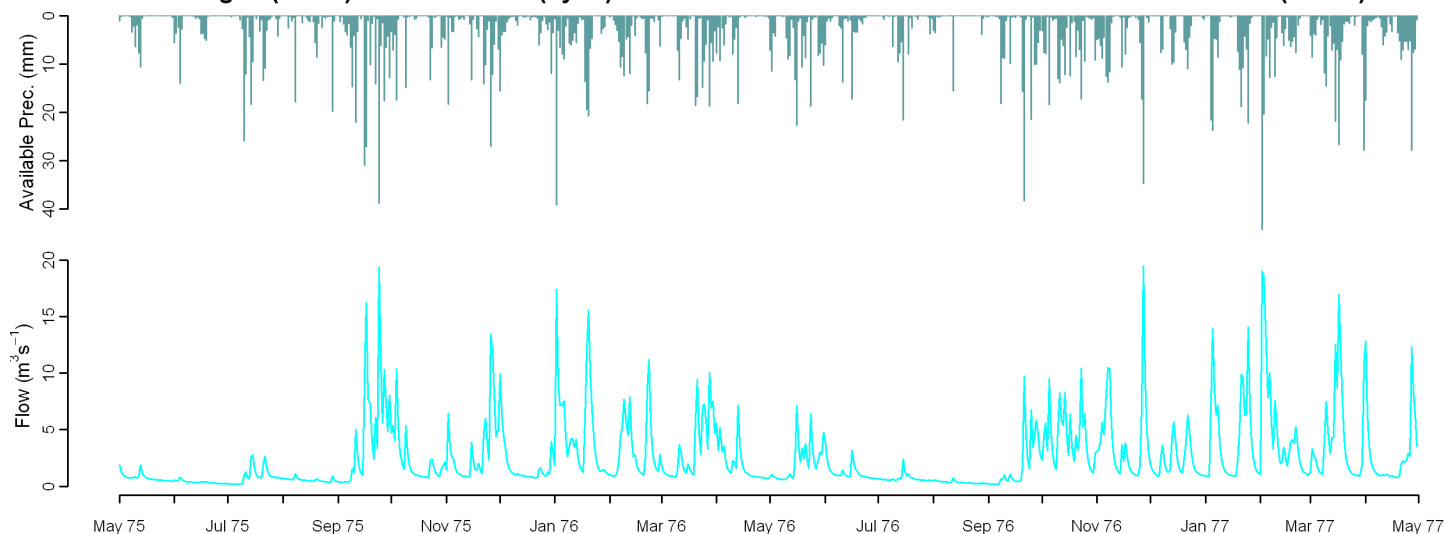
Observed Data

Comparison of gauged and simulated flow

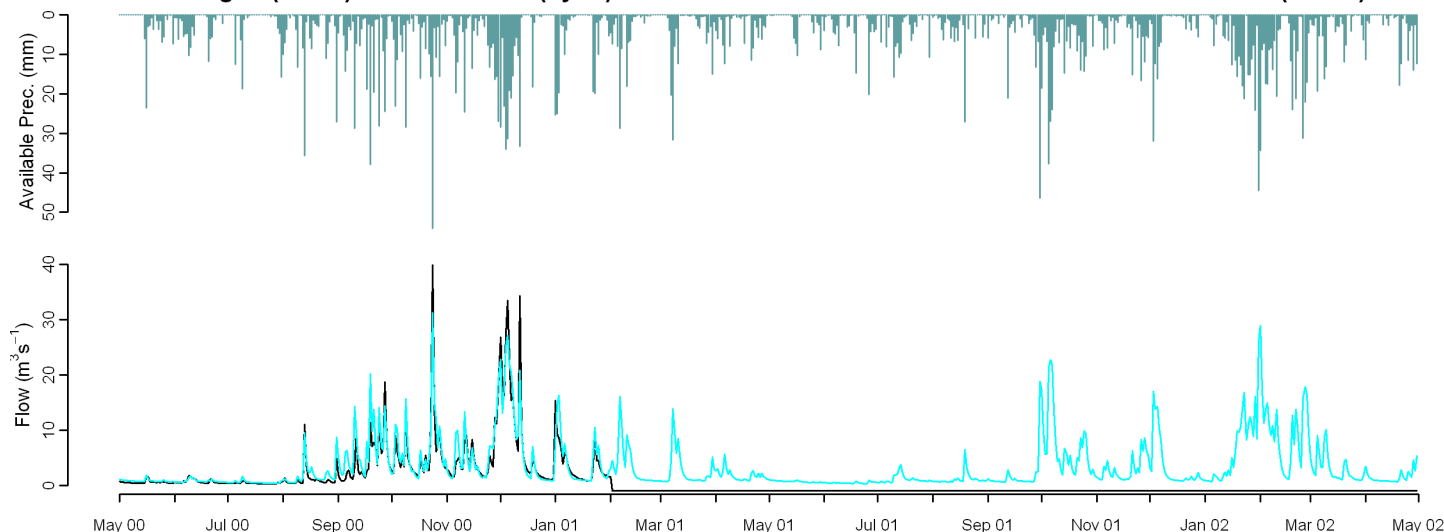
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	16.6	13.4	12.7	3.9	23.6	12.1	25.2	15.2	28.4	34.3	18.9	14.6	6.3	0.74
Performance Band	1	2	3	1	3	3	3	2	2	2	2	1	2	1
MORECS (1962-1991)														
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	15.9	9.4	-15.3	4.4	14.9									
Performance Band	1	1	2	2	1									
MORECS (1962-1991)														

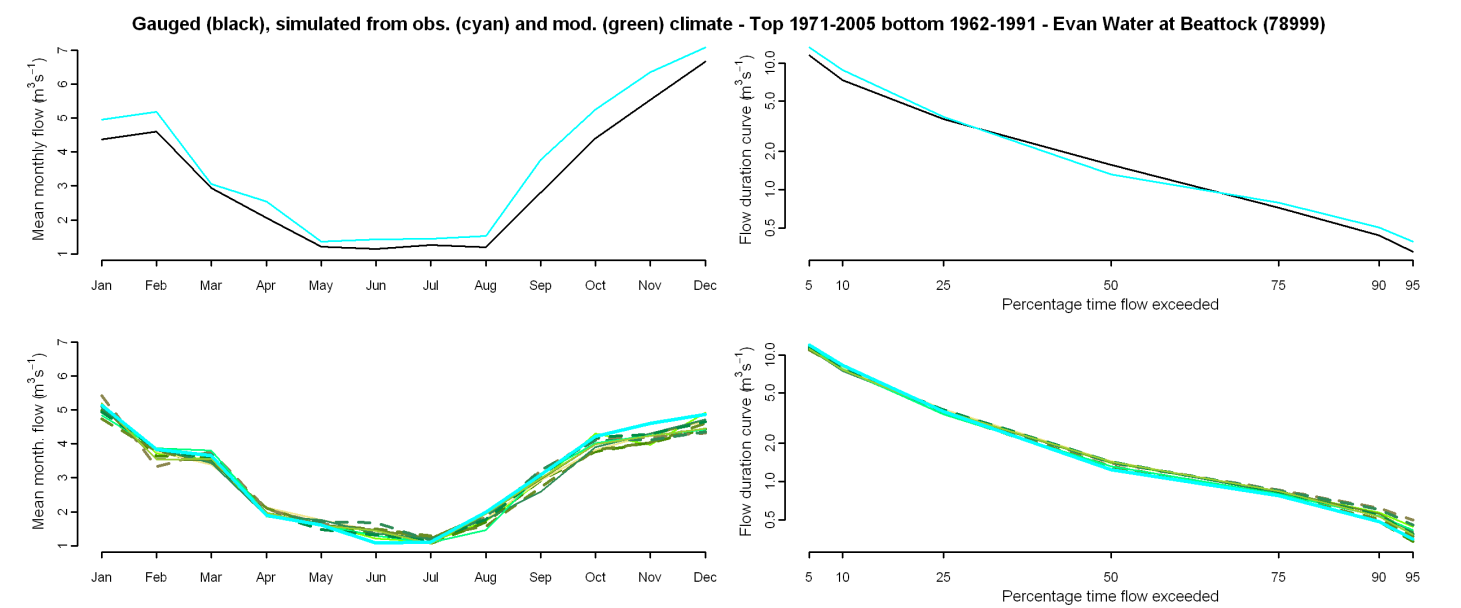
Gauged (black) and simulated (cyan) flows from observed climate - Evan Water at Beattock (78999)



Gauged (black) and simulated (cyan) flows from observed climate - Evan Water at Beattock (78999)



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	-1	-2	-1	3	-2	-3	-2	1	-2	-2	-2
January	1	-3	2	3	-1	-4	-5	-1	-6	-7	5
April	0	6	13	16	4	11	1	6	0	6	2
July	1	5	1	11	11	8	10	6	-1	-1	-5
October	2	-4	-13	2	-6	-8	2	-6	-4	2	-4
Q90	18	2	8	30	11	4	7	23	11	7	9
Q75	9	1	5	12	7	0	4	10	4	6	8
Q50	14	5	14	16	12	6	15	14	6	14	14
Q25	2	-1	2	4	-1	-2	2	1	-3	2	2
Q5	-7	-5	-8	-3	-5	-7	-6	-3	-4	-6	-8
RP2	-2	0	0	0	5	4	-1	4	6	-2	-1
RP10	-5	2	3	3	19	-3	-4	8	6	11	5

Climate change graphs for 2050s

