

General Information

River Name	Frome(Bristol)	Catchment Area (km2)	149
Station Name	Frenchay	SAAR (mm) 61-90	793
Station Number	53006	Mean Annual Rain (mm) 62-91	798
Grid Reference	ST637772	Mean Annual PE (mm) 62-91	680
EA Region	EA-SW	Observed flow record	1962 to 2005



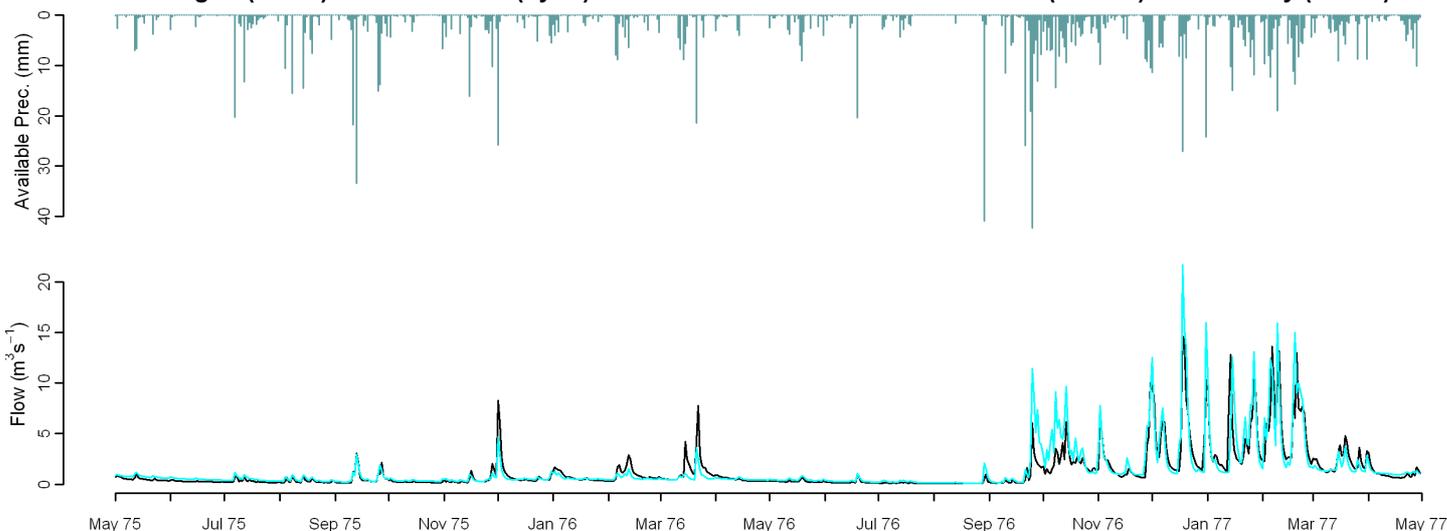
Observed Data

Comparison of gauged and simulated flow

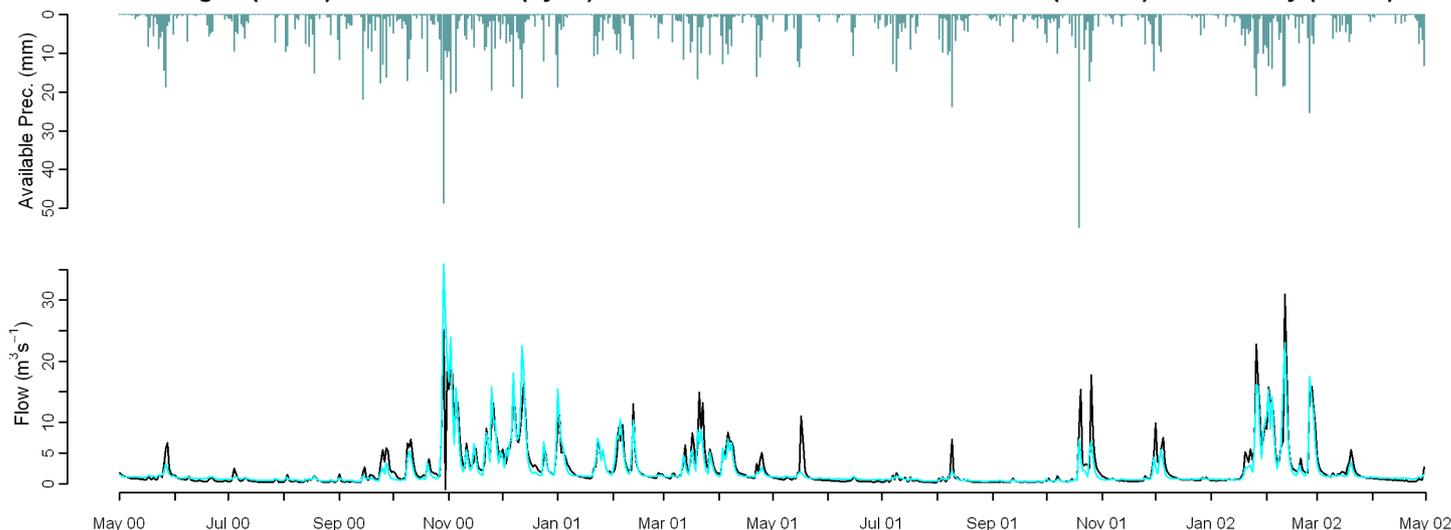
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-7.9	-5.5	-5.6	-17.5	-20.4	-8.8	1.8	29.4	7.6	-1.9	-18.7	-11.7	-6.4	0.78
Performance Band	2	1	1	2	2	2	1	2	2	1	2	2	1	1
MORECS (1962-1991)	-12.3	-10.0	-9.3	-17.8	-20.7	-15.9	-2.7	8.8	15.3	-1.7	-14.5	-22.8	-12.3	0.76
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	48.7	41.3	10.3	-27.9	-11.0									
Performance Band	2	2	2	1	1									
MORECS (1962-1991)	48.9	34.3	7.9	-30.1	-16.7									

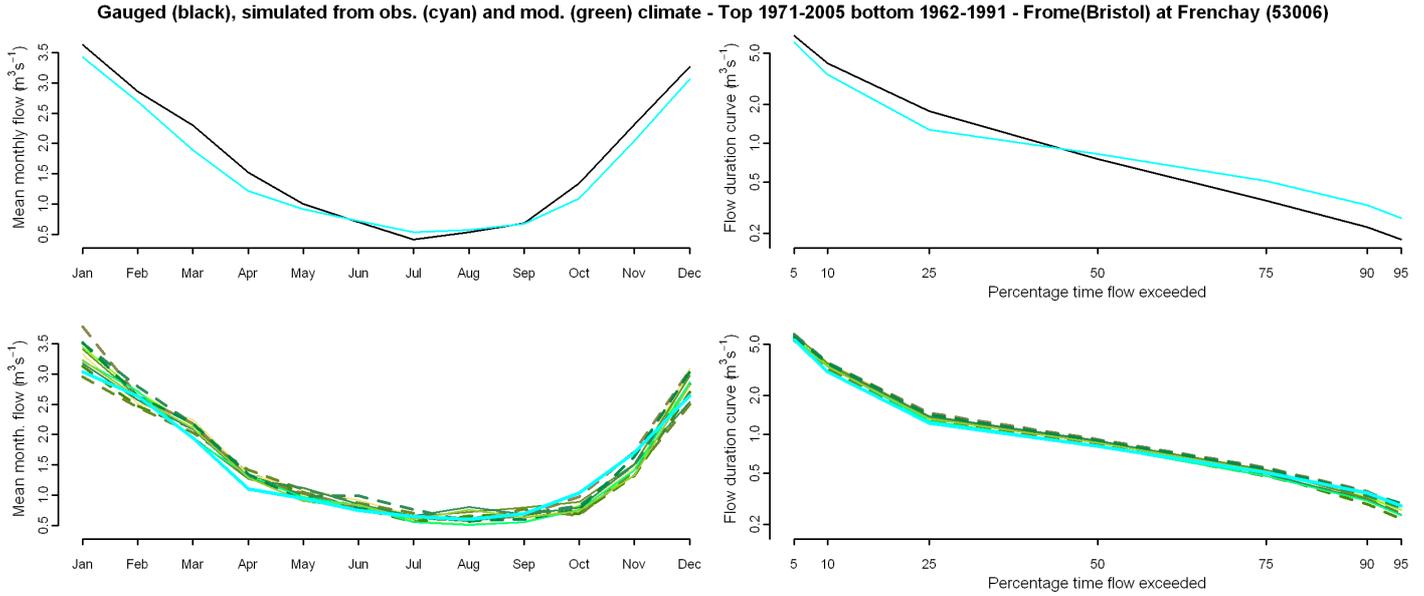
Gauged (black) and simulated (cyan) flows from observed climate - Frome(Bristol) at Frenchay (53006)



Gauged (black) and simulated (cyan) flows from observed climate - Frome(Bristol) at Frenchay (53006)



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	6	-1	6	11	5	-1	2	9	1	4	2
January	15	0	14	24	14	-1	3	18	8	12	8
April	18	14	27	23	17	29	19	23	22	20	20
July	-9	-11	4	1	-4	9	4	20	-10	-4	-7
October	-18	-32	-25	-2	-21	-34	-20	-22	-25	-25	-28
Q90	-7	-19	-4	5	-14	-13	-10	-3	-14	-2	0
Q75	2	-4	4	12	0	-7	-1	9	-6	5	2
Q50	9	1	9	15	7	2	10	13	1	8	5
Q25	15	4	15	23	10	4	14	18	5	14	8
Q5	4	-2	8	12	10	-1	0	12	4	2	1
RP2	-6	-10	-5	-4	-9	-9	-1	-6	-2	-7	-7
RP10	-11	-9	1	-3	-6	6	4	-4	-2	8	-4

Climate change graphs for 2050s

