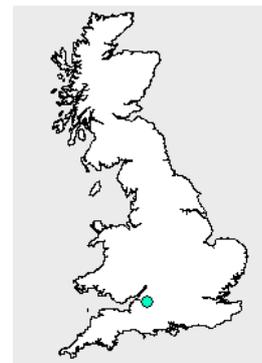


General Information

River Name	Avon	Catchment Area (km ²)	1552
Station Name	Bathford	SAAR (mm) 61-90	818
Station Number	53018	Mean Annual Rain (mm) 62-91	807
Grid Reference	ST785670	Mean Annual PE (mm) 62-91	605
EA Region	EA-SW	Observed flow record	1969 to 2005



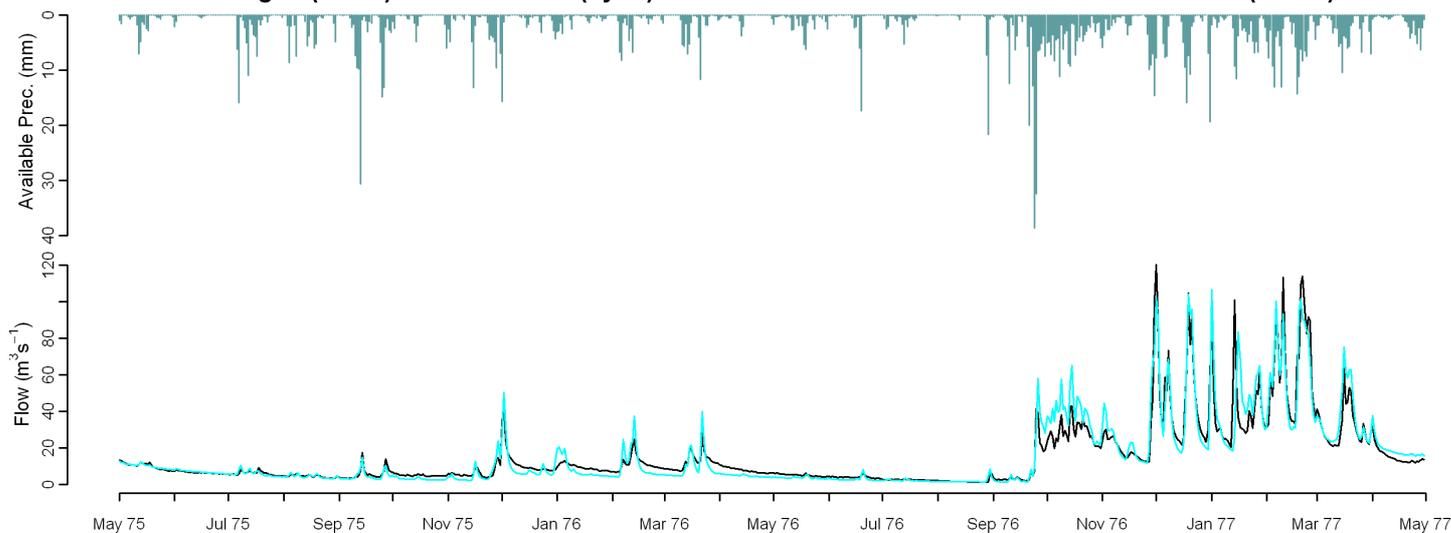
Observed Data

Comparison of gauged and simulated flow

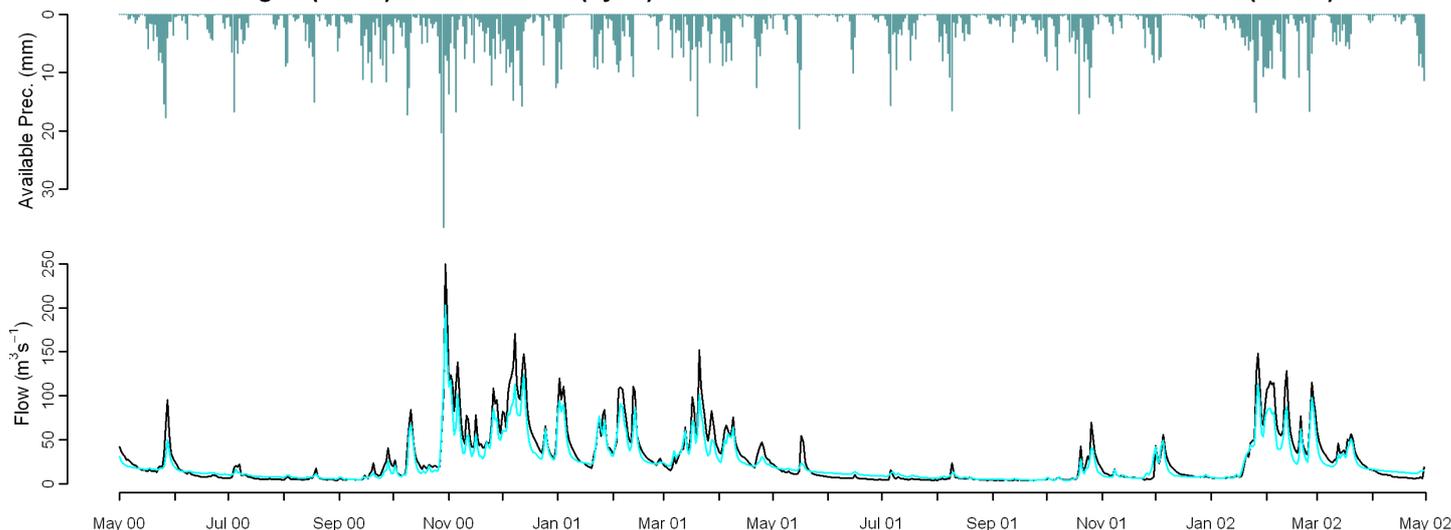
Model used: CLASSIC

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-3.0	-7.6	-2.8	1.0	-3.7	0.1	3.1	16.0	8.4	-4.9	-4.7	-4.2	-5.9	0.89
Performance Band	1	1	1	1	1	1	1	2	1	1	1	1	1	1
FAO (1962-1991)	4.7	4.0	-1.1	6.3	1.9	5.3	6.5	12.4	5.2	0.7	7.9	10.9	5.5	0.87
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	5.1	6.7	2.1	-2.5	-2.5	-27.0	-29.8	-29.8	-28.9					
Performance Band	1	1	1	1	1									
FAO (1962-1991)	-2.9	1.4	1.1	3.8	10.9	-20.9	-27.5	-29.4	-30.2					

Gauged (black) and simulated (cyan) flows from observed climate - Avon at Bathford (53018)

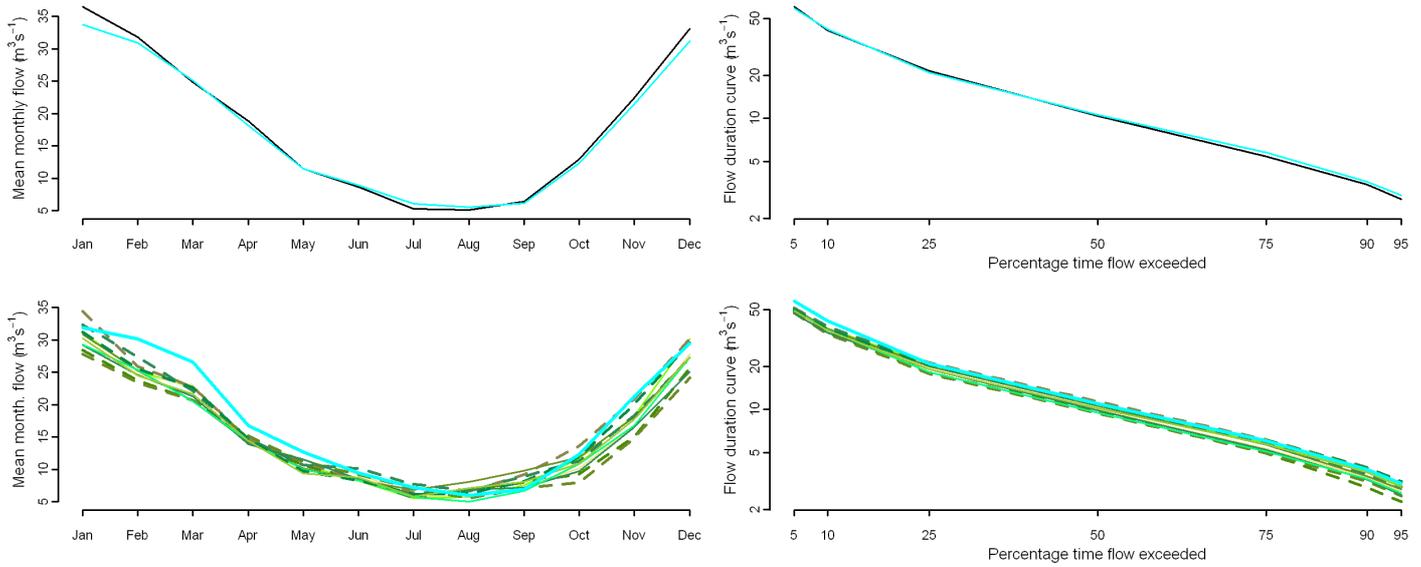


Gauged (black) and simulated (cyan) flows from observed climate - Avon at Bathford (53018)



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

Gauged (black), simulated from obs. (cyan) and mod. (green) climate - Top 1971-2005 bottom 1962-1991 - Avon at Bathford (53018)



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

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	-7	-16	-10	-1	-10	-17	-13	-3	-13	-8	-10
January	1	-11	-5	5	0	-13	-9	2	-7	-2	-2
April	-13	-18	-11	-9	-15	-10	-15	-9	-12	-14	-12
July	-19	-21	-14	-8	-8	-3	-13	8	-18	-16	-18
October	-3	-25	-17	15	-10	-35	-18	-5	-13	-5	-10
Q90	-4	-27	-11	5	-13	-19	-14	-6	-13	0	-5
Q75	-4	-21	-12	4	-10	-20	-13	-3	-16	-4	-6
Q50	-3	-15	-9	6	-7	-15	-10	1	-13	-3	-8
Q25	-1	-15	-8	3	-7	-16	-9	1	-12	-4	-9
Q5	-15	-17	-14	-10	-13	-18	-19	-10	-14	-16	-15
RP2	-9	-13	-12	-3	-10	-11	-5	-6	-5	-8	-6
RP10	-9	-9	-11	7	-1	3	10	-1	-2	5	-4

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Avon at Bathford (53018)

