

General Information

River Name	Avon	Catchment Area (km ²)	1478
Station Name	East Mills	SAAR (mm) 61-90	806
Station Number	43003	Mean Annual Rain (mm) 62-91	814
Grid Reference	SU158144	Mean Annual PE (mm) 62-91	593
EA Region	EA-SW	Observed flow record	1965 to 2002



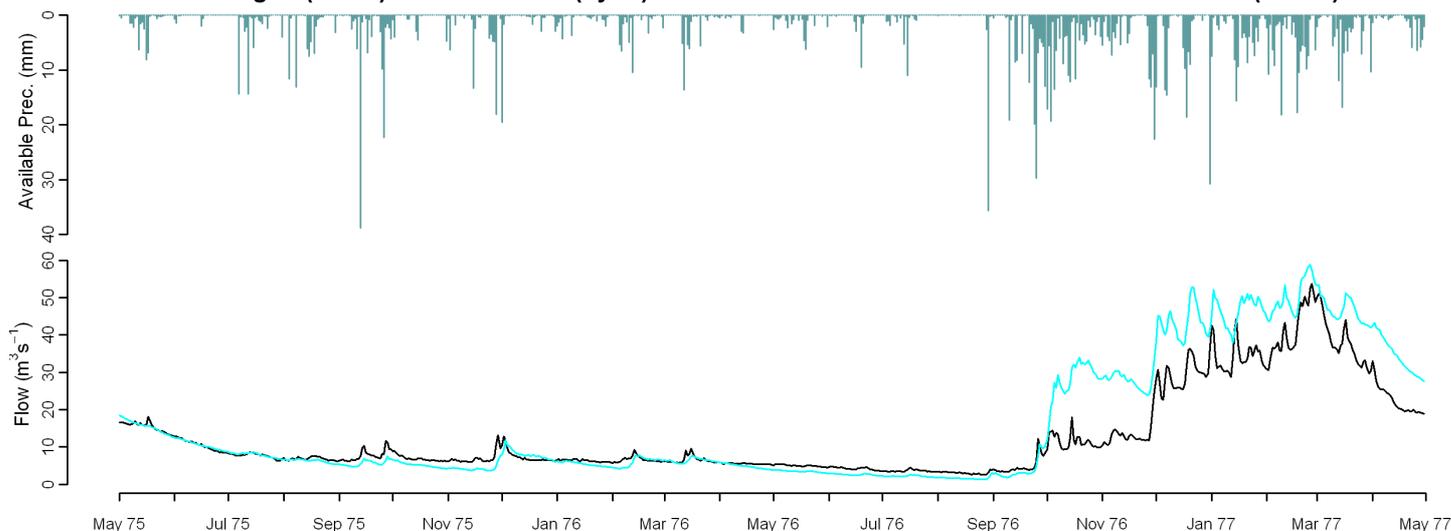
Observed Data

Comparison of gauged and simulated flow

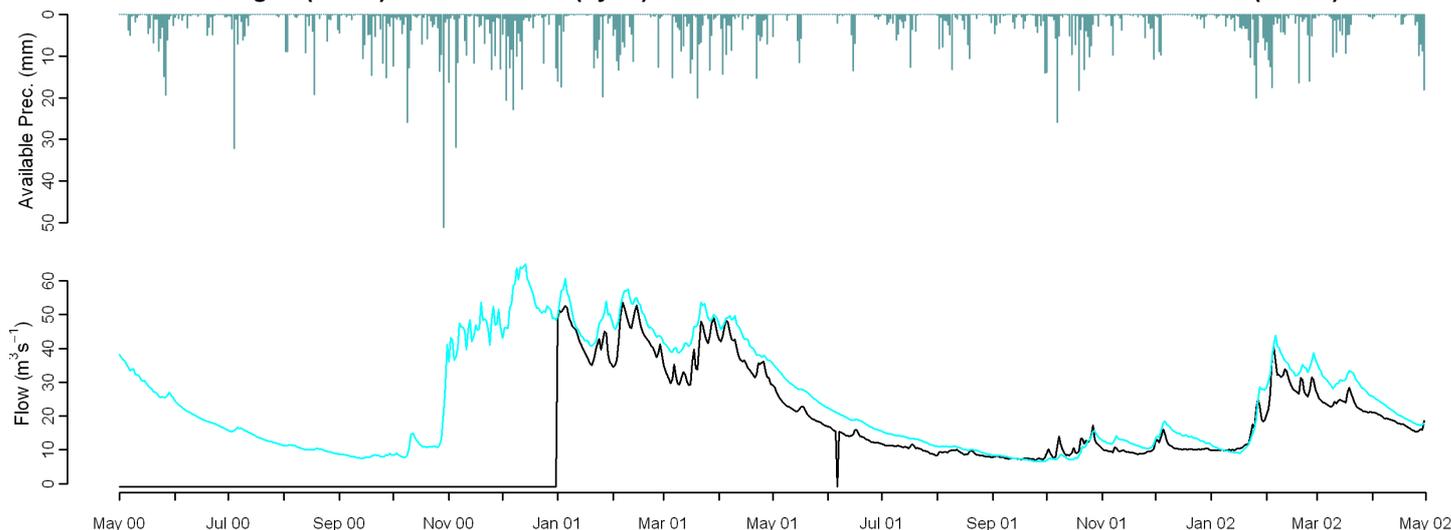
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	8.4	14.7	11.5	17.4	15.3	8.4	0.9	-1.8	-10.0	-16.4	-7.1	7.9	13.4	0.81
Performance Band	1	2	1	2	2	1	1	1	2	2	1	1	1	1
MORECS (1962-1991)	5.5	17.4	10.1	14.2	12.4	3.3	-1.6	-4.9	-12.6	-20.1	-9.4	1.8	10.3	0.77
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-19.1	-10.2	7.1	25.5	14.7									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-22.8	-14.7	0.2	16.7	10.4									

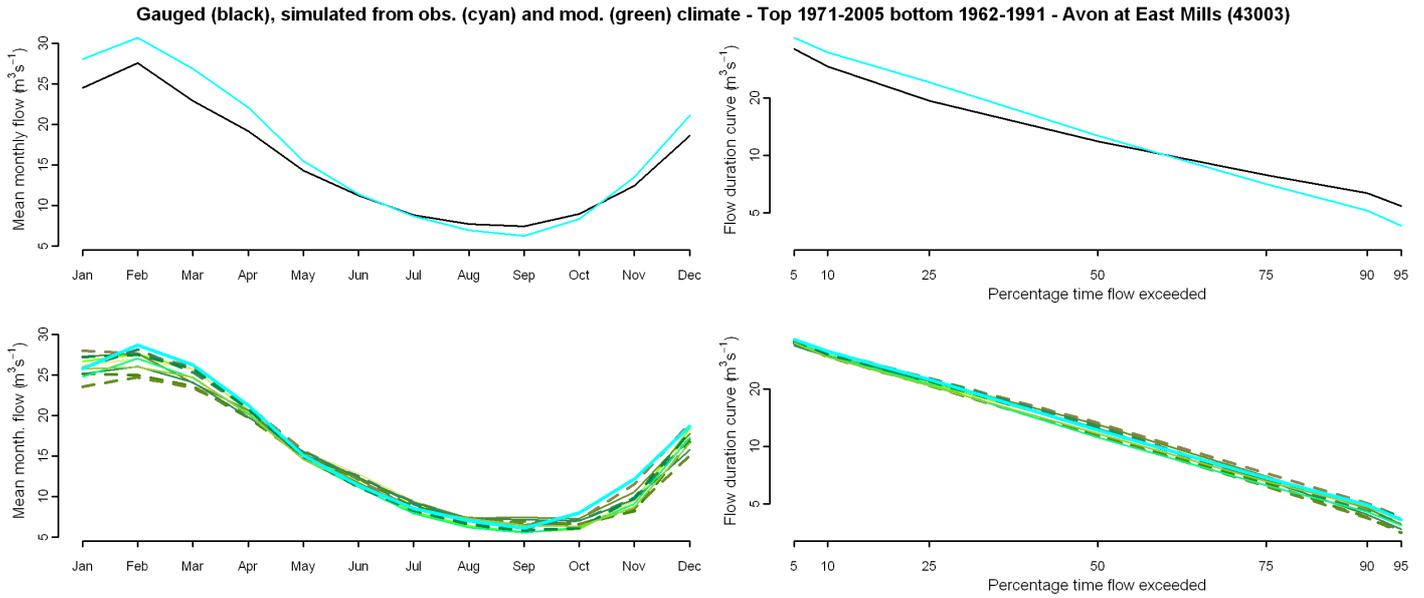
Gauged (black) and simulated (cyan) flows from observed climate - Avon at East Mills (43003)



Gauged (black) and simulated (cyan) flows from observed climate - Avon at East Mills (43003)



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	-2	-8	-5	1	-7	-4	-5
January	3	-4	3	10	6	-10	-5	3	-2	6	0
April	-2	-8	1	4	-2	-5	-4	4	-1	-1	-5
July	3	3	16	5	1	10	11	11	-3	-2	0
October	-21	-17	-19	-6	-15	-17	-10	-9	-23	-23	-18
Q90	-4	-15	-5	4	-8	-16	-10	-7	-8	-4	-3
Q75	0	-7	-1	8	-3	-12	-3	-2	-9	-5	-4
Q50	2	-8	1	12	3	-8	1	7	-9	0	-5
Q25	-4	-9	-1	3	-3	-10	-2	3	-6	-3	-8
Q5	-1	-3	-1	-1	-7	-6	-8	-2	-2	-3	-5
RP2	-1	0	-6	2	-8	-2	-6	-6	2	-1	-1
RP10	5	11	0	0	2	5	-3	-1	2	1	2

Climate change graphs for 2050s

