

General Information

River Name	Boyd	Catchment Area (km2)	48
Station Name	Bitton	SAAR (mm) 61-90	805
Station Number	53017	Mean Annual Rain (mm) 62-91	809
Grid Reference	ST681698	Mean Annual PE (mm) 62-91	680
EA Region	EA-SW	Observed flow record	1973 to 2005



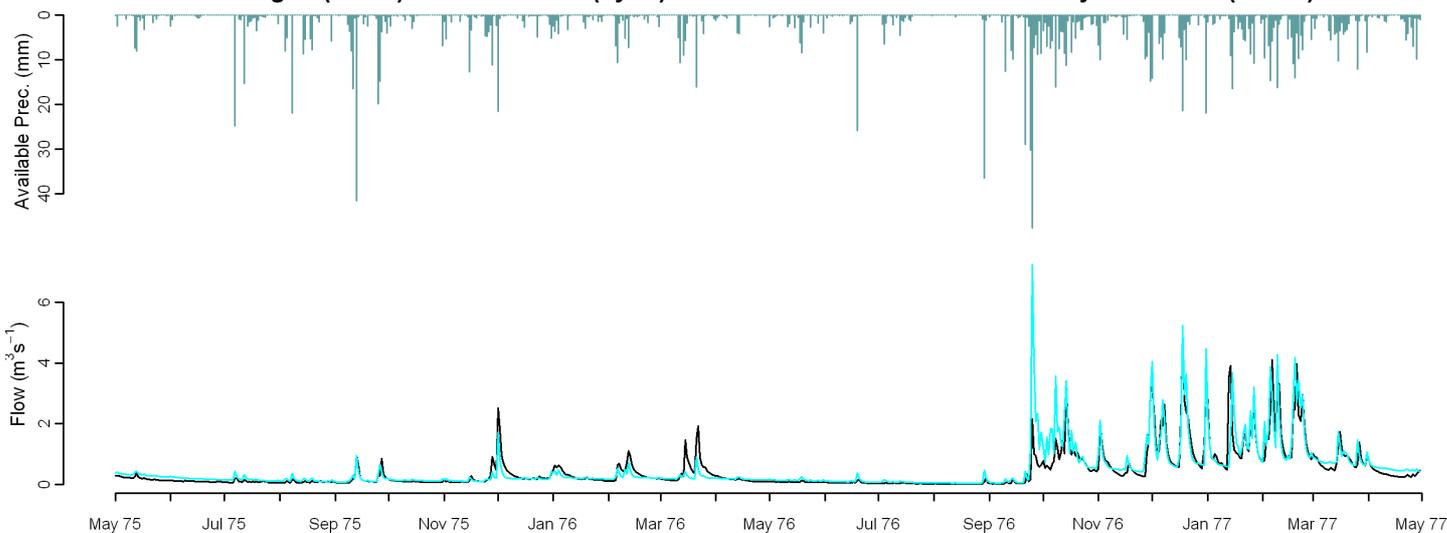
Observed Data

Comparison of gauged and simulated flow

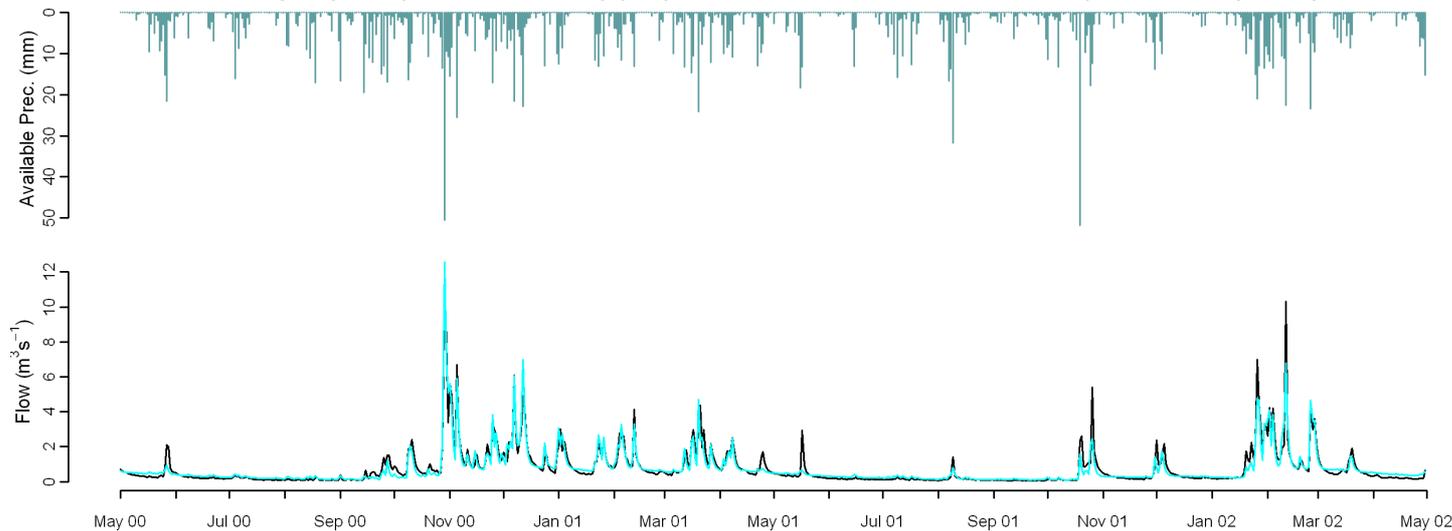
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-10.0	-9.8	-6.5	-14.1	-13.9	-3.8	7.0	32.9	12.2	-8.6	-20.3	-16.7	-13.2	0.75
Performance Band	2	2	1	2	2	1	1	2	2	1	2	2	2	1
MORECS (1962-1991)	-13.0	-15.1	-9.6	-17.2	-9.6	-7.8	8.6	34.6	6.8	-9.0	-19.8	-23.7	-19.7	0.71
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	33.7	26.8	8.8	-19.0	-15.6									
Performance Band	1	1	2	2	1									
MORECS (1962-1991)	30.2	27.3	2.6	-23.5	-20.2									

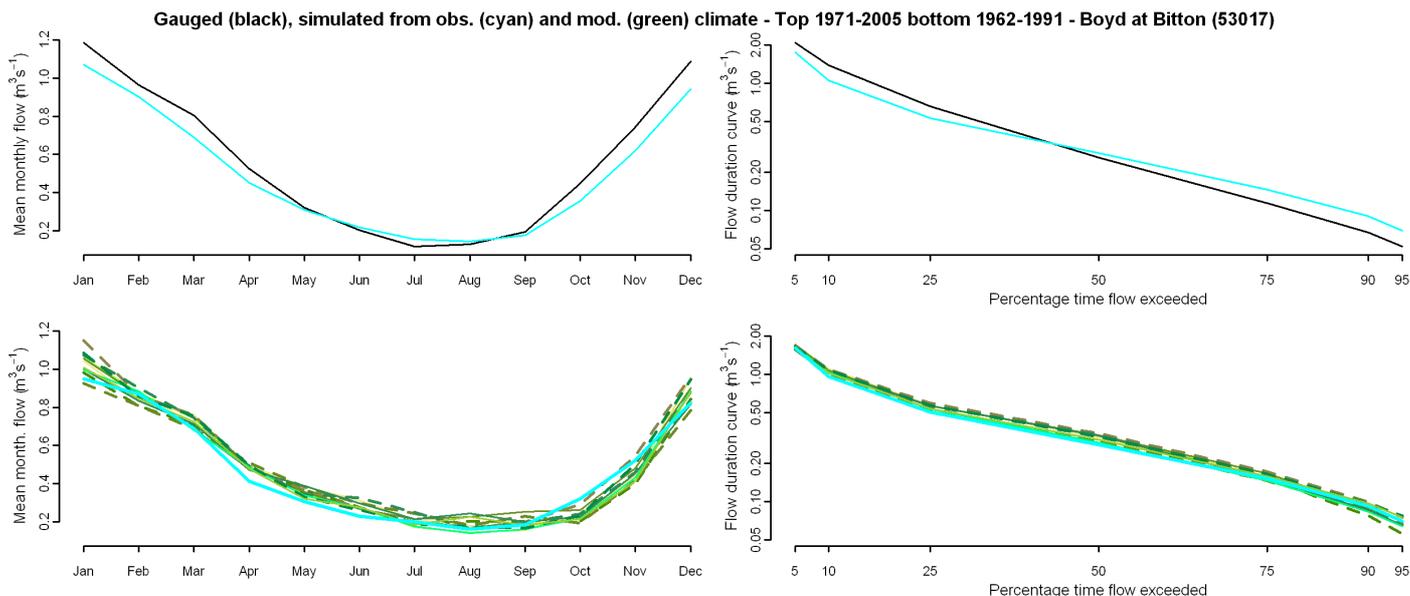
Gauged (black) and simulated (cyan) flows from observed climate - Boyd at Bitton (53017)



Gauged (black) and simulated (cyan) flows from observed climate - Boyd at Bitton (53017)



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	7	0	7	12	7	1	3	9	1	5	3
January	11	1	14	21	13	-1	4	16	7	11	7
April	17	12	24	22	17	23	17	22	20	19	17
July	-8	-8	9	3	3	21	9	27	-9	-4	-6
October	-22	-35	-29	-6	-26	-39	-28	-27	-33	-28	-32
Q90	-2	-18	0	9	-11	-9	-4	-4	-11	0	5
Q75	4	-2	4	16	3	-6	1	8	-5	4	5
Q50	16	6	14	24	14	6	18	21	4	13	8
Q25	12	3	13	19	10	4	11	15	6	12	5
Q5	1	-4	6	6	5	-4	-3	5	3	-1	-1
RP2	-3	-9	-4	-2	-6	-7	0	-5	0	-4	-2
RP10	-11	-8	-2	-2	-7	18	15	-2	-4	6	-5

Climate change graphs for 2050s

