

General Information

River Name	Midford Brook	Catchment Area (km ²)	147
Station Name	Midford	SAAR (mm) 61-90	964
Station Number	53005	Mean Annual Rain (mm) 62-91	977
Grid Reference	ST763611	Mean Annual PE (mm) 62-91	609
EA Region	EA-SW	Observed flow record	1962 to 2005



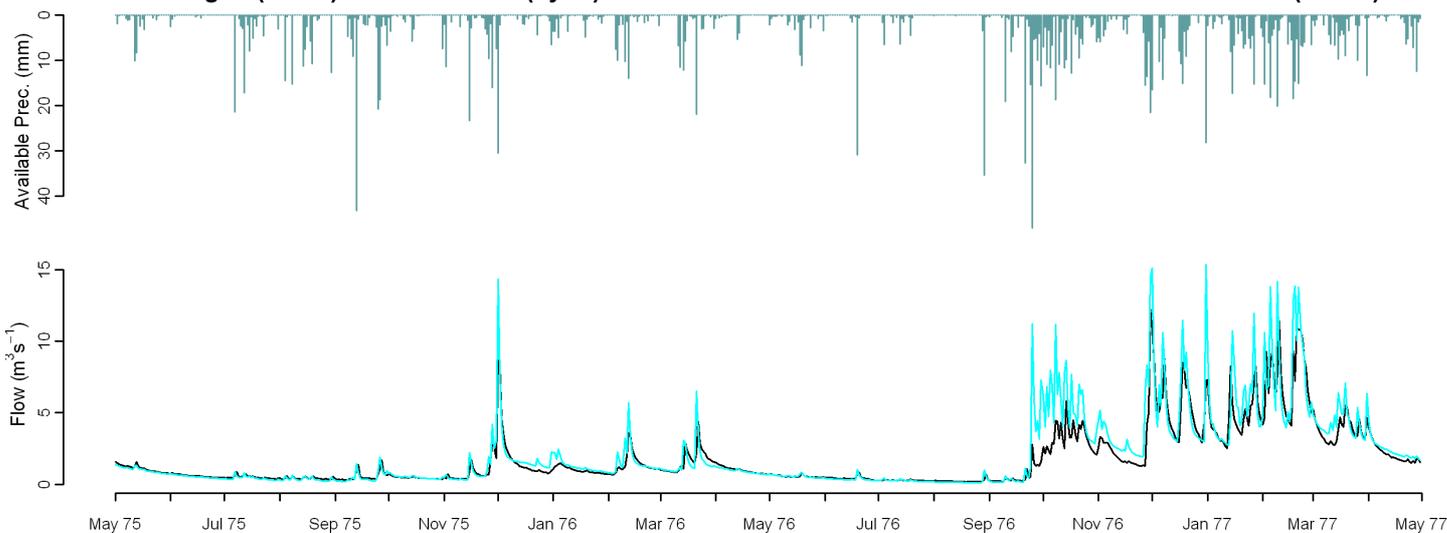
Observed Data

Comparison of gauged and simulated flow

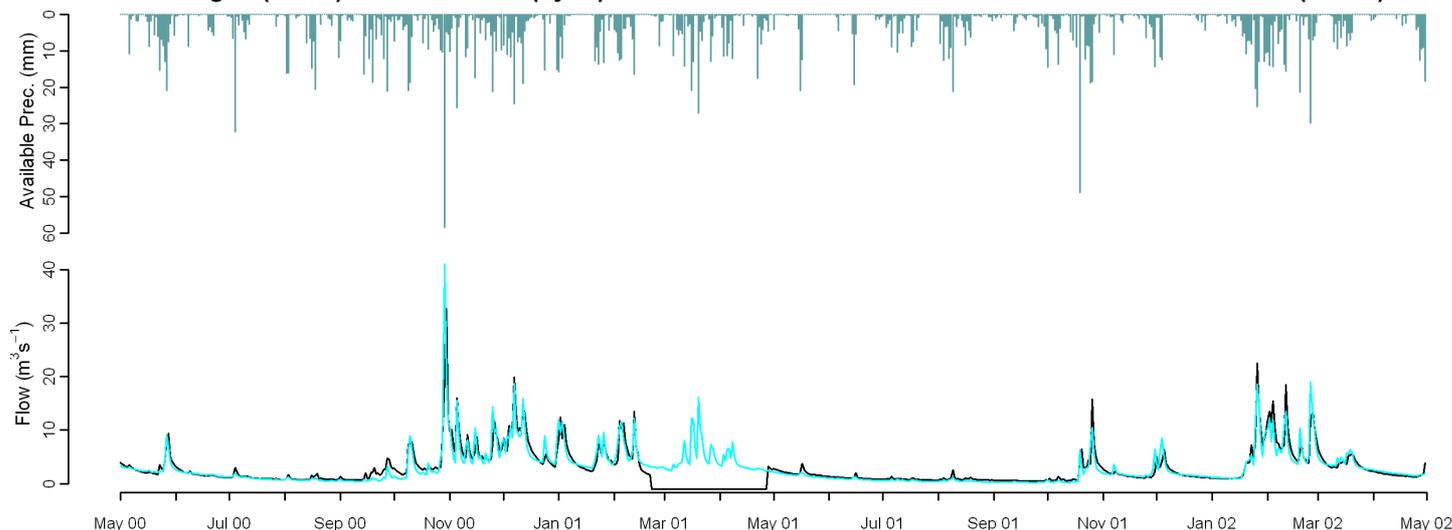
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-3.0	3.8	4.5	1.0	-10.2	-13.3	-21.5	-27.3	-31.9	-23.8	-10.3	2.3	5.8	0.77
Performance Band	1	1	1	1	2	2	2	2	2	2	1	1	1	1
MORECS (1962-1991)	-0.5	8.7	5.4	2.3	-6.8	-9.5	-16.8	-20.5	-20.0	-17.2	-1.3	3.0	7.4	0.74
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	-35.2	-23.4	-8.0	-0.3	4.5									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-26.7	-17.2	-4.3	1.5	6.2									

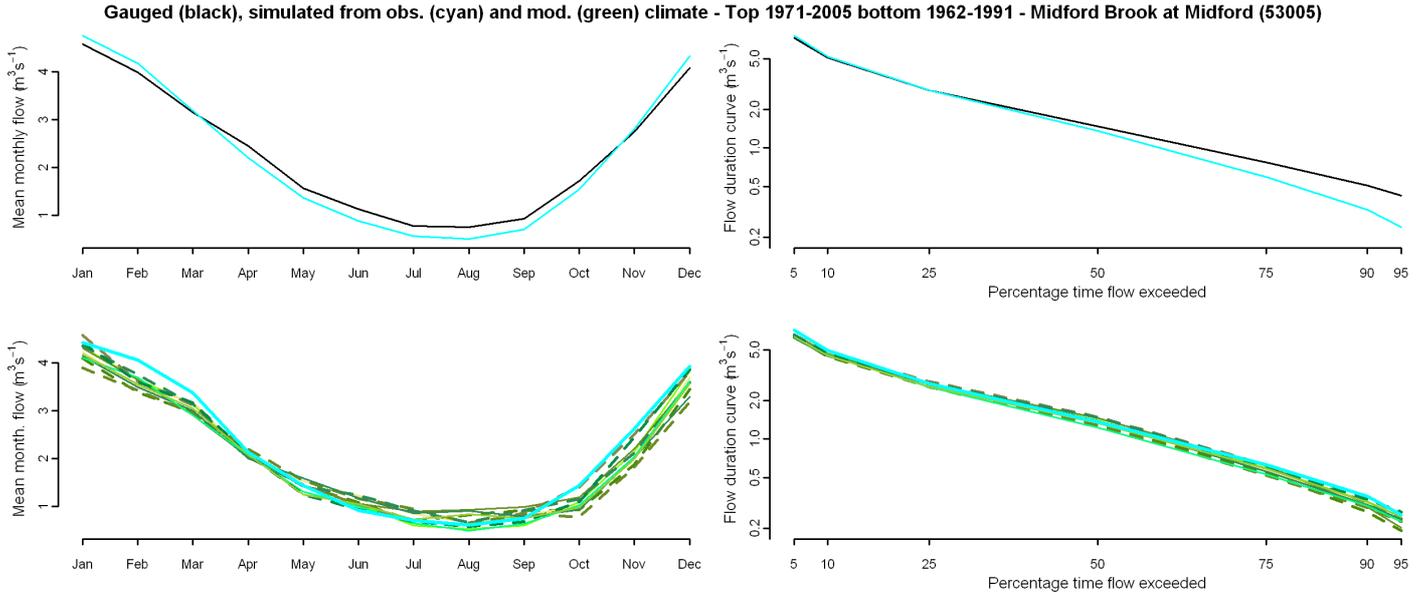
Gauged (black) and simulated (cyan) flows from observed climate - Midford Brook at Midford (53005)



Gauged (black) and simulated (cyan) flows from observed climate - Midford Brook at Midford (53005)



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	-5	-9	-5	0	-4	-10	-7	-2	-10	-7	-8
January	-2	-9	-2	4	-2	-11	-8	1	-6	-2	-5
April	-4	-7	1	0	-3	3	-2	0	0	-2	-1
July	-8	4	24	1	21	37	24	30	-4	-5	3
October	-21	-34	-28	2	-26	-45	-34	-20	-30	-26	-29
Q90	-10	-24	-14	-2	-24	-19	-12	-9	-17	-9	-10
Q75	-7	-15	-8	4	-9	-19	-11	1	-16	-6	-8
Q50	2	-5	-1	13	2	-6	2	9	-11	-1	-4
Q25	-1	-7	0	5	-2	-7	-1	3	-6	-1	-6
Q5	-11	-13	-8	-8	-8	-13	-14	-7	-11	-13	-12
RP2	-8	-9	-9	-5	-7	-11	-3	-3	-1	-2	-5
RP10	-16	-7	-11	-9	-13	5	12	-3	-3	5	-7

Climate change graphs for 2050s

