

General Information

River Name	Barle	Catchment Area (km2)	128
Station Name	Brushford	SAAR (mm) 61-90	1590
Station Number	45011	Mean Annual Rain (mm) 62-91	1613
Grid Reference	SS927258	Mean Annual PE (mm) 62-91	575
EA Region	EA-SW	Observed flow record	1968 to 2005



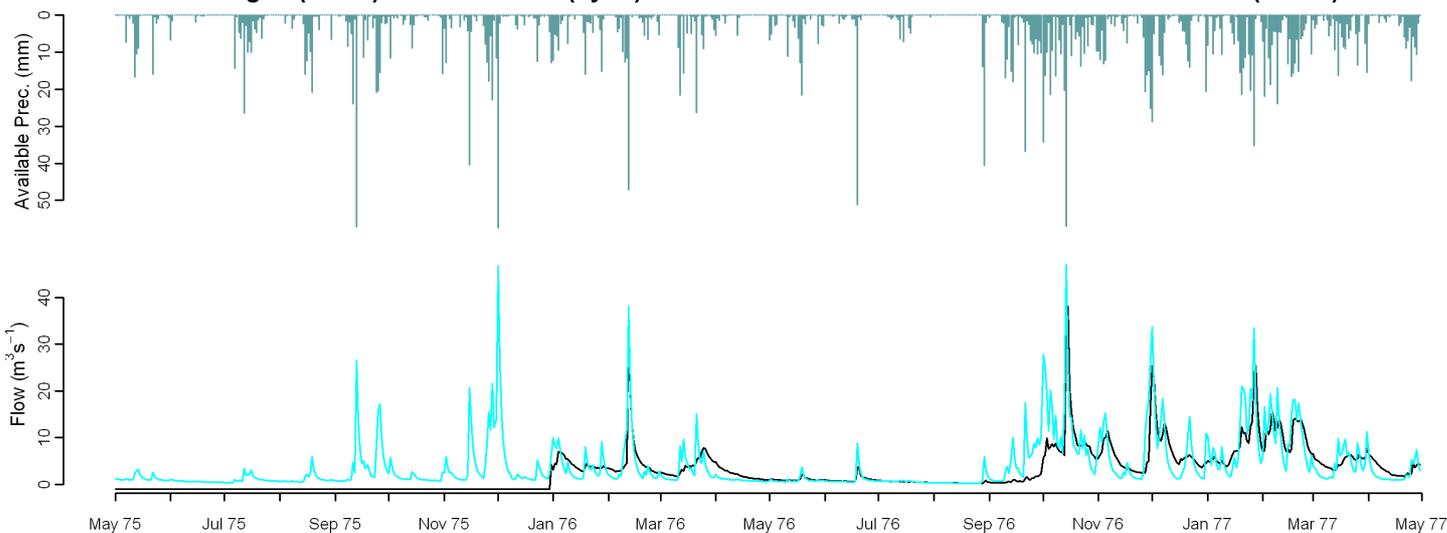
Observed Data

Comparison of gauged and simulated flow

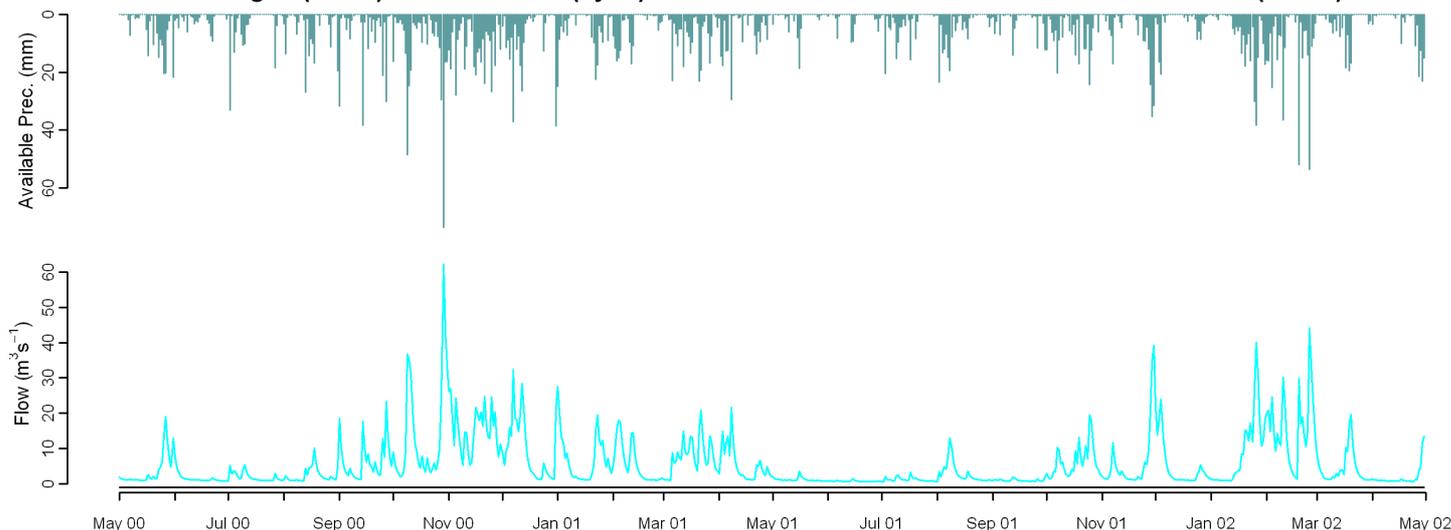
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-1.2	-10.1	-5.7	-9.1	-28.6	-25.9	6.7	14.2	25.3	20.3	10.3	-1.0	-0.4	0.55
Performance Band	1	1	1	1	1	2	1	1	2	3	2	2	1	2
MORECS (1962-1991)	7.0	-0.3	3.1	0.2	-33.2	-15.0	8.3	-1.4	30.3	38.7	19.8	9.7	12.8	0.39
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-6.0	-31.6	-41.7	-0.3	22.9									
Performance Band	1	1	2	2	3									
MORECS (1962-1991)	-9.7	-39.2	-44.7	5.6	44.5									

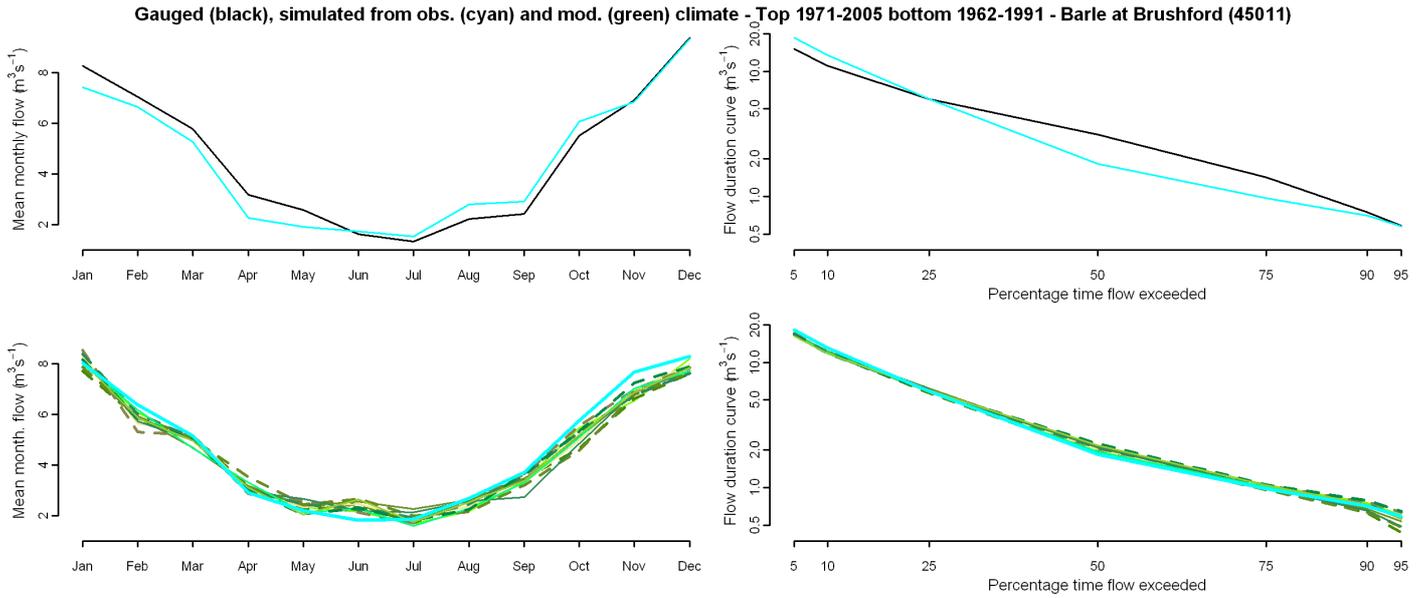
Gauged (black) and simulated (cyan) flows from observed climate - Barle at Brushford (45011)



Gauged (black) and simulated (cyan) flows from observed climate - Barle at Brushford (45011)



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	-5	-3	-2	-2	-3	-4	-1	-5	-4	-3
January	1	-4	8	5	3	1	1	8	0	-2	2
April	6	4	7	3	9	19	6	4	9	1	10
July	-9	-1	-3	-5	13	13	16	10	-7	-3	-6
October	-5	-13	-14	0	-13	-16	-10	-9	-9	-7	-10
Q90	6	-12	-8	8	-7	-12	-9	4	0	6	3
Q75	7	0	1	7	0	-3	2	4	2	6	6
Q50	19	3	11	13	10	5	16	14	5	18	16
Q25	1	-3	3	3	3	1	0	5	-2	-2	1
Q5	-12	-7	-8	-6	-8	-9	-9	-7	-9	-11	-11
RP2	-3	-4	-2	-2	-4	-2	-1	-4	1	-1	-1
RP10	0	-5	-3	4	3	6	2	-5	-2	4	6

Climate change graphs for 2050s

