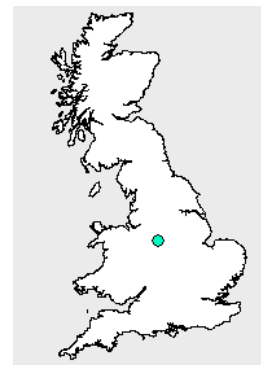


General Information

River Name	Dove	Catchment Area (km2)	399
Station Name	Rocester Weir	SAAR (mm) 61-90	1021
Station Number	28008	Mean Annual Rain (mm) 62-91	1026
Grid Reference	SK112397	Mean Annual PE (mm) 62-91	587
EA Region	EA-M	Observed flow record	1962 to 2005



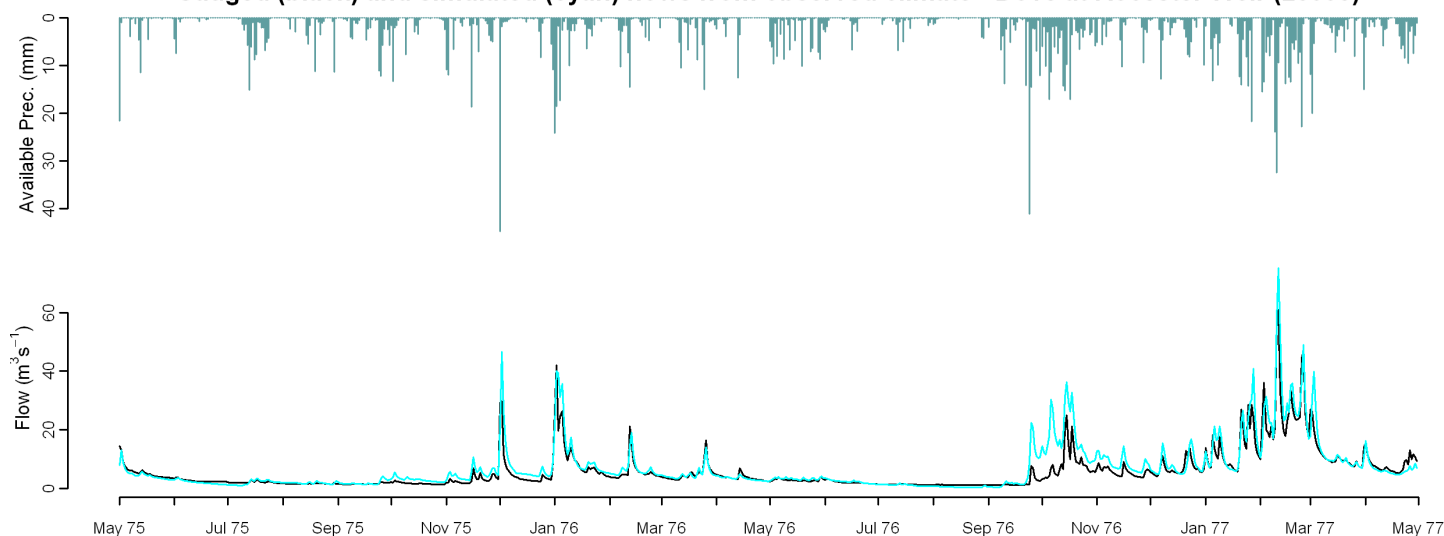
Observed Data

Comparison of gauged and simulated flow

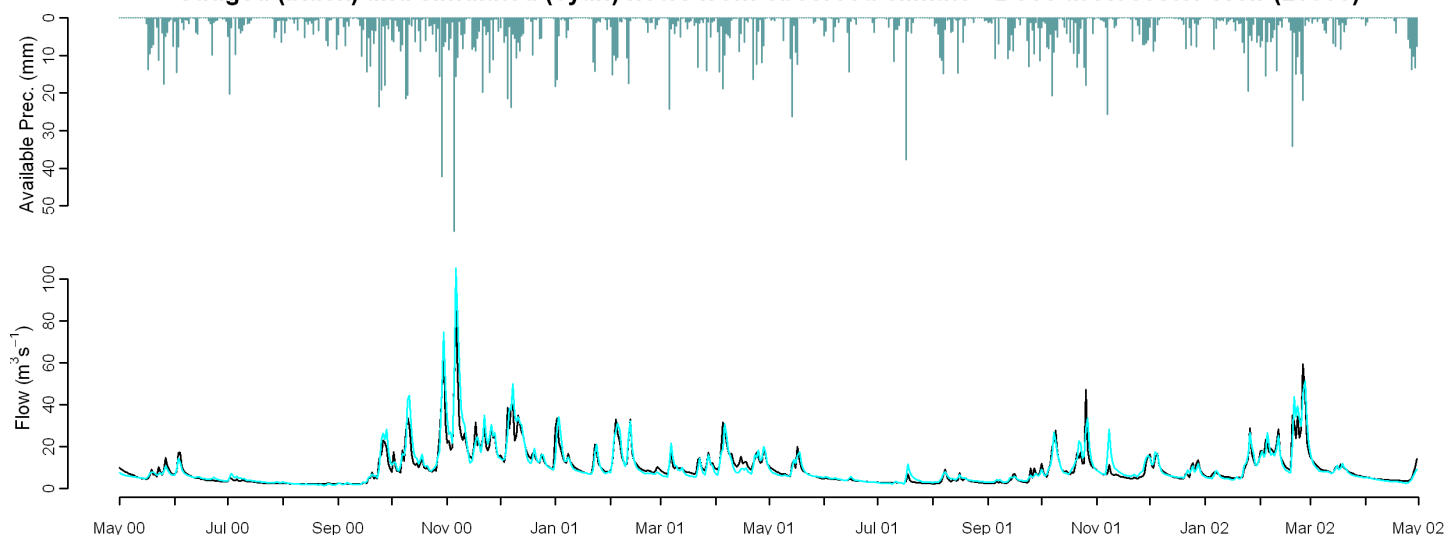
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	6.8	5.2	1.0	-4.7	-10.9	-13.0	2.6	13.8	20.9	25.8	26.5	19.8	12.2	0.78
Performance Band	1	1	1	1	1	2	1	2	2	2	2	2	2	1
MORECS (1962-1991)	5.9	5.9	0.4	-3.0	-8.0	-13.6	0.7	8.0	18.8	25.5	25.3	18.3	12.5	0.76
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	6.5	14.4	5.0	0.5	11.4									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	5.1	19.1	5.4	0.1	9.1									

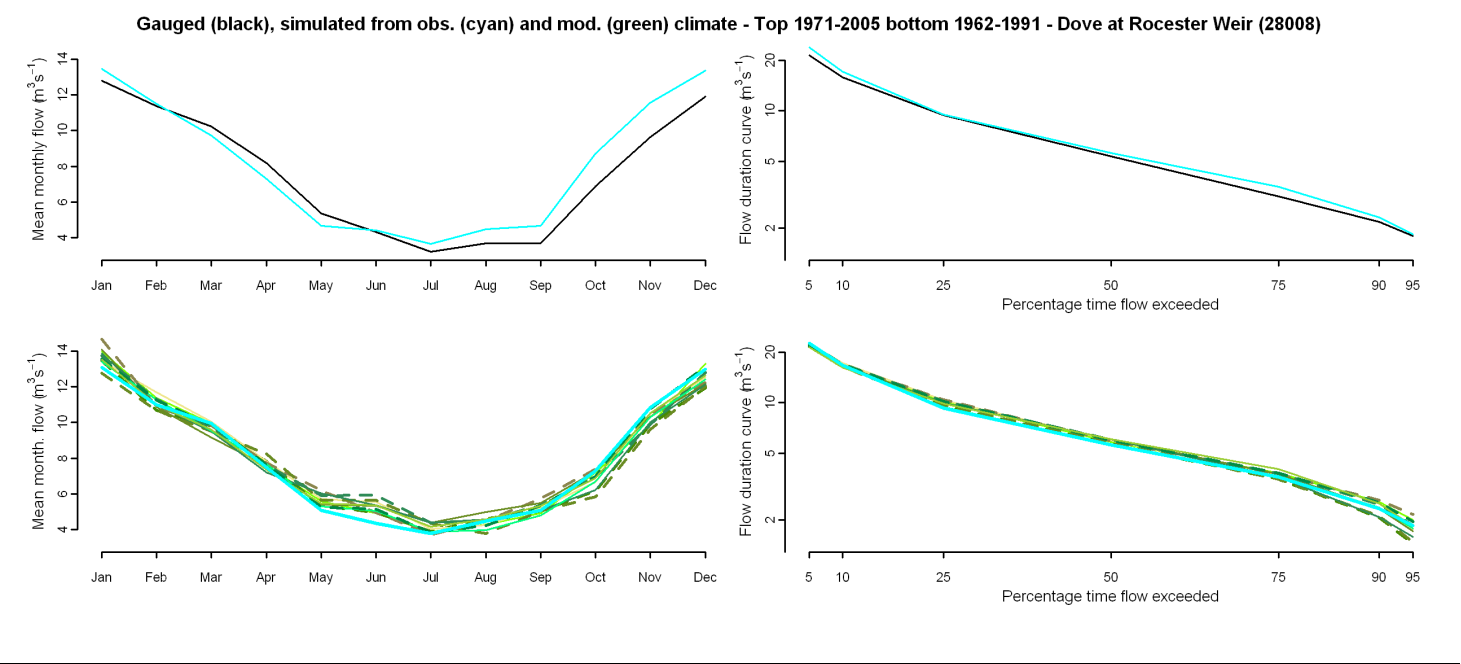
Gauged (black) and simulated (cyan) flows from observed climate - Dove at Rocester Weir (28008)



Gauged (black) and simulated (cyan) flows from observed climate - Dove at Rocester Weir (28008)



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	3	0	4	6	3	0	0	4	0	2	2
January	9	0	5	10	8	0	5	7	2	1	4
April	3	0	8	9	1	11	-3	4	3	3	0
July	5	13	14	2	16	17	17	18	5	0	10
October	1	-12	-8	8	-2	-16	-8	-1	-8	-3	-4
Q90	11	-12	1	13	-3	-11	-13	5	1	4	8
Q75	6	-2	2	5	1	-4	-1	7	-2	4	12
Q50	4	2	7	6	6	3	7	9	0	5	7
Q25	9	3	12	13	6	5	7	11	3	9	6
Q5	-2	-1	1	-1	-2	-4	-6	1	-3	-4	-6
RP2	-5	-1	-6	3	5	4	8	3	5	0	-2
RP10	-13	4	-18	-2	2	-3	-5	-6	17	-13	-1

Climate change graphs for 2050s

