

General Information

River Name	Dove	Catchment Area (km ²)	883
Station Name	Marston on Dove	SAAR (mm) 61-90	936
Station Number	28018	Mean Annual Rain (mm) 62-91	941
Grid Reference	SK235288	Mean Annual PE (mm) 62-91	587
EA Region	EA-M	Observed flow record	1962 to 2006



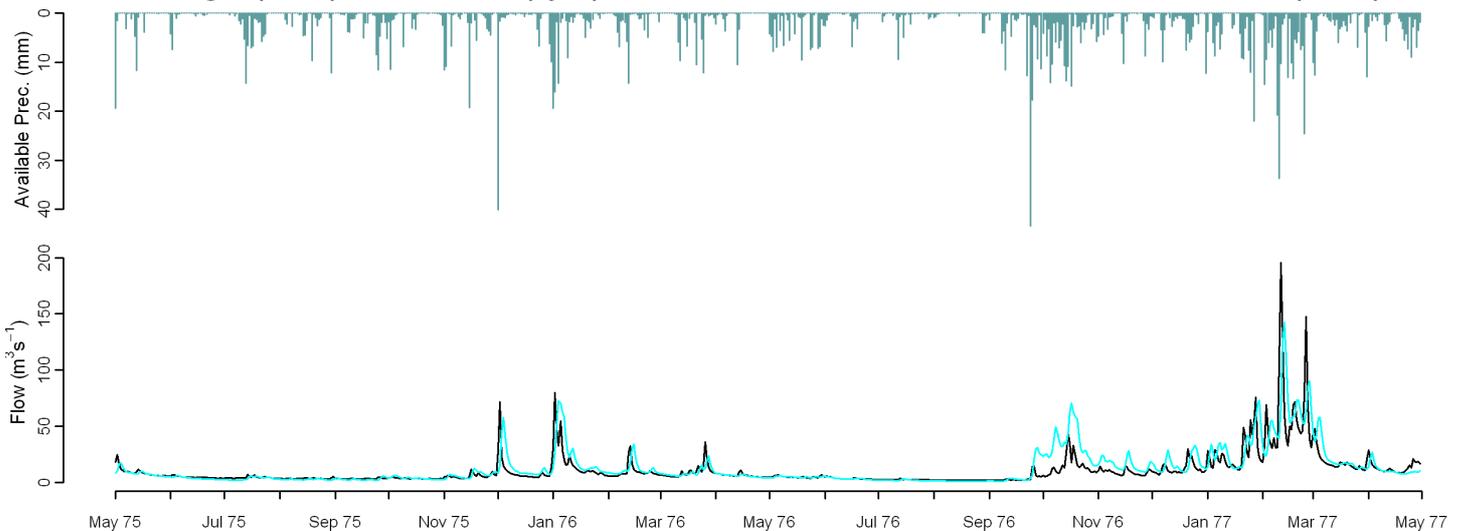
Observed Data

Comparison of gauged and simulated flow

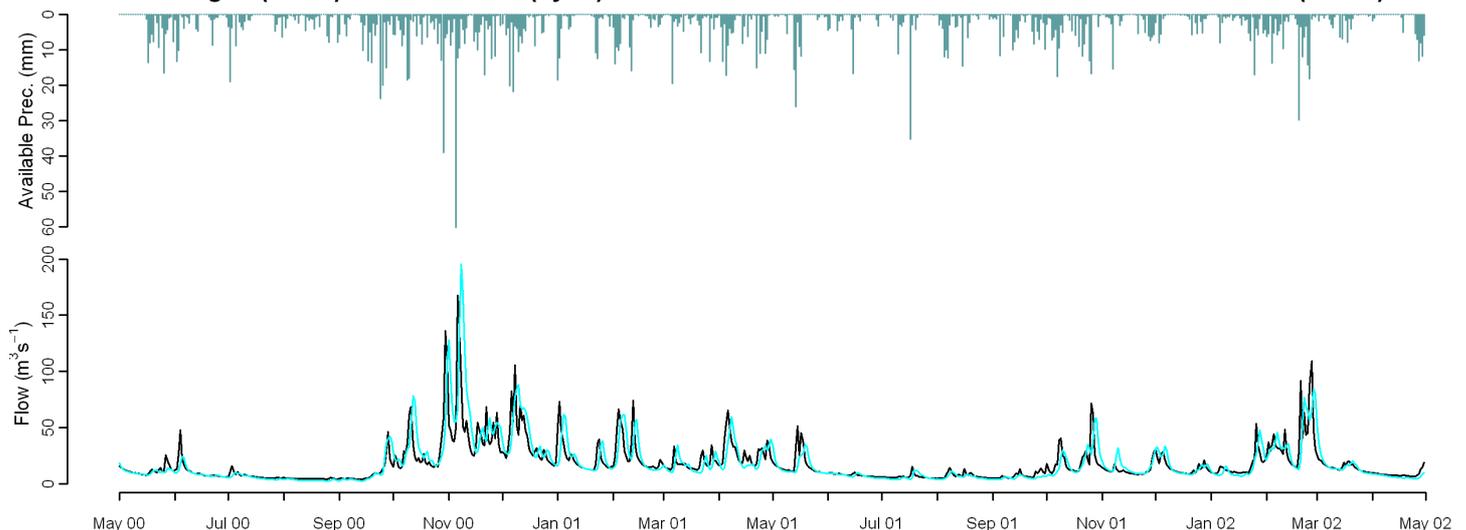
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	3.3	9.4	6.2	-0.3	-11.2	-23.0	-16.7	-11.0	-2.3	-4.4	12.5	20.1	14.8	0.38
Performance Band	1	2	1	1	1	2	2	2	2	2	1	1	2	3
MORECS (1962-1991)	-0.3	9.5	5.5	-0.5	-8.1	-27.6	-23.1	-23.3	-13.1	-12.4	7.3	12.7	13.7	0.34
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	-15.2	-8.8	-6.3	4.9	16.9									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-19.8	-14.4	-10.0	1.5	11.7									

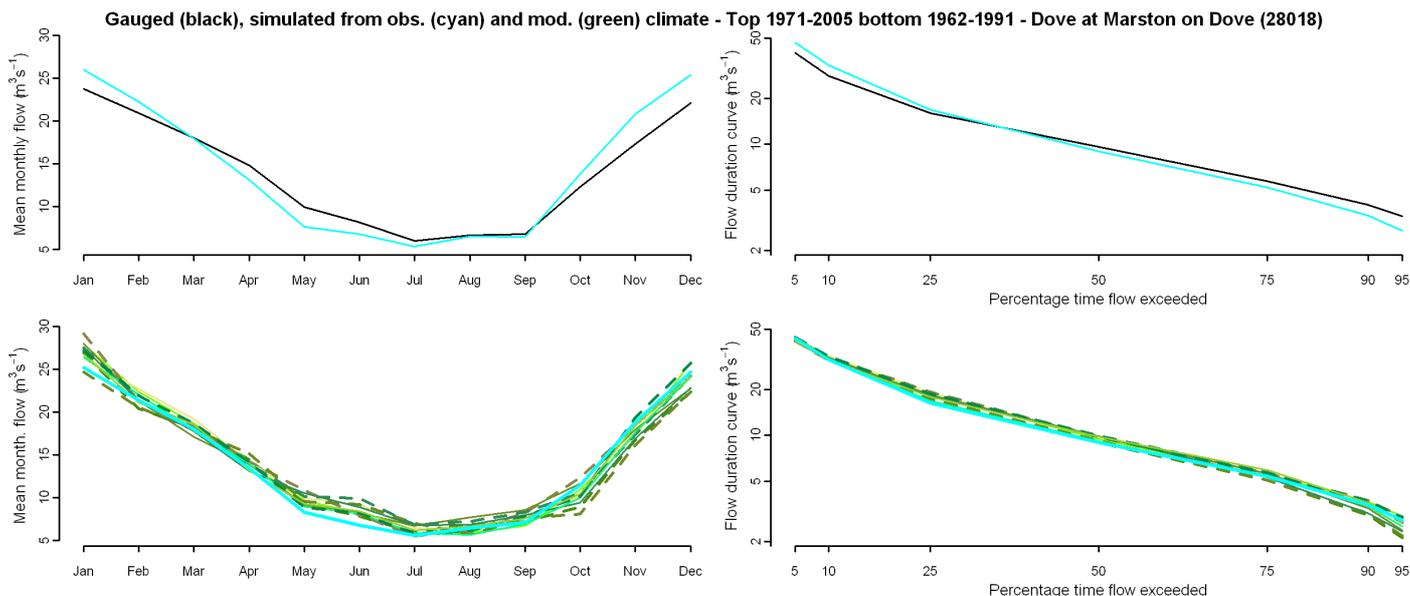
Gauged (black) and simulated (cyan) flows from observed climate - Dove at Marston on Dove (28018)



Gauged (black) and simulated (cyan) flows from observed climate - Dove at Marston on Dove (28018)



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

Climate change graphs for 2050s

