

General Information

River Name	Dove	Catchment Area (km ²)	8
Station Name	Hollinsclough	SAAR (mm) 61-90	1339
Station Number	28033	Mean Annual Rain (mm) 62-91	1342
Grid Reference	SK063668	Mean Annual PE (mm) 62-91	597
EA Region	EA-M	Observed flow record	1965 to 2005



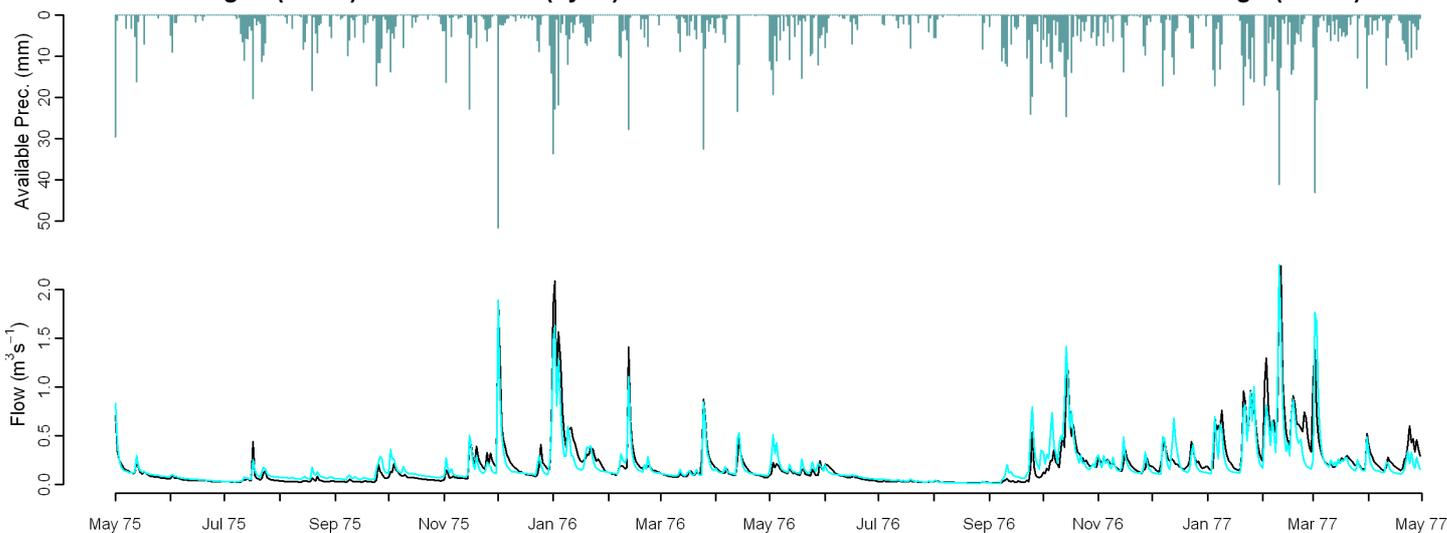
Observed Data

Comparison of gauged and simulated flow

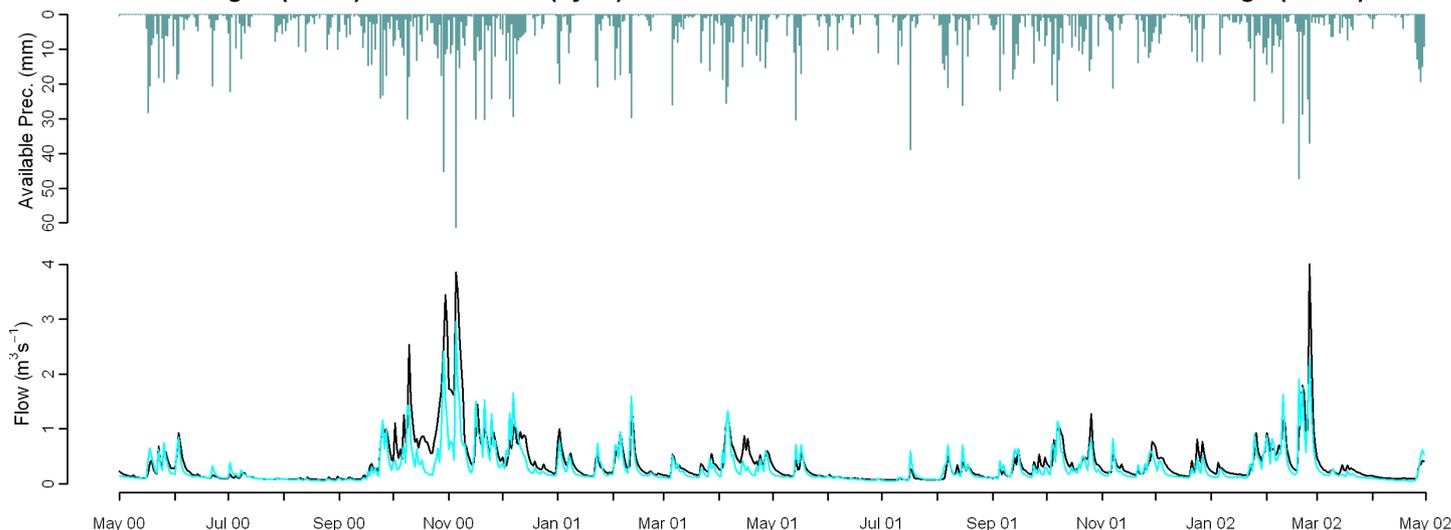
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-10.7	-13.5	-13.7	-13.7	-17.4	-16.0	-4.3	1.7	9.3	4.4	-7.7	-13.5	-11.1	0.72
Performance Band	2	2	2	1	2	2	1	1	1	1	2	2	1	1
MORECS (1962-1991)	-5.3	-9.5	-12.0	-11.0	-10.7	-14.9	1.3	6.5	14.4	14.4	0.3	-6.4	-6.9	0.71
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	2.6	-2.1	-19.5	-19.0	-3.1									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	24.7	10.7	-13.8	-12.9	3.2									

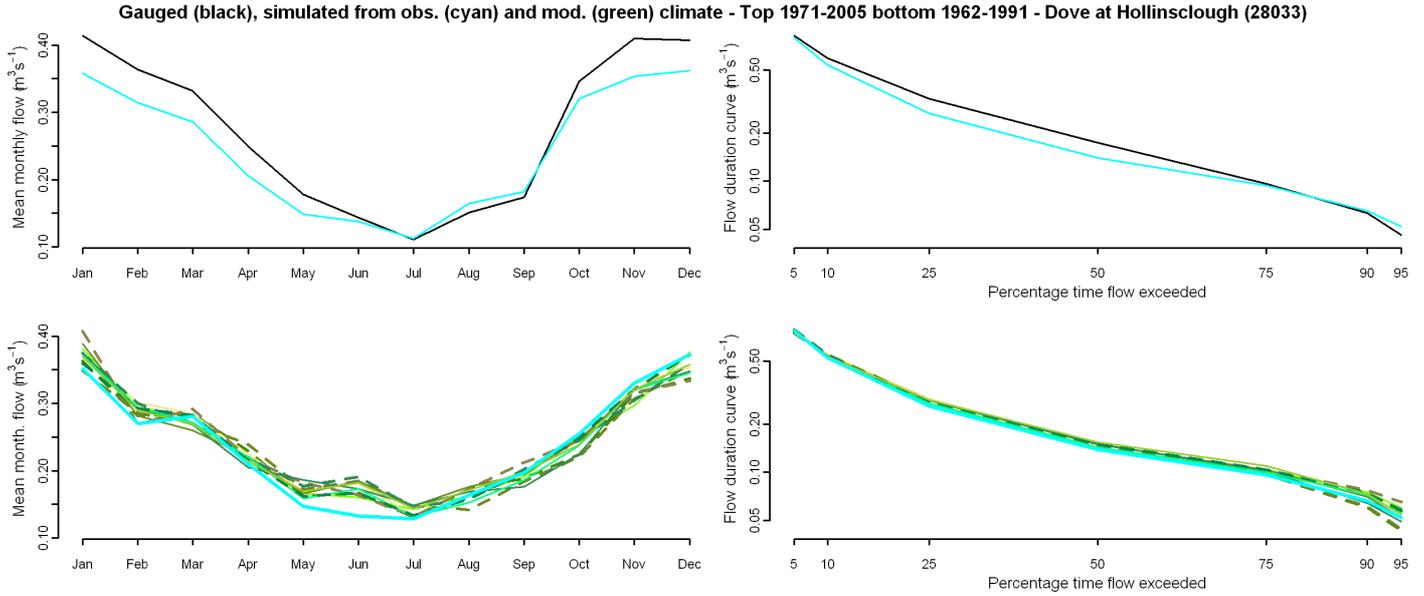
Gauged (black) and simulated (cyan) flows from observed climate - Dove at Hollinsclough (28033)



Gauged (black) and simulated (cyan) flows from observed climate - Dove at Hollinsclough (28033)



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

Climate change graphs for 2050s

