

General Information

River Name	Camel	Catchment Area (km ²)	209
Station Name	Denby	SAAR (mm) 61-90	1341
Station Number	49001	Mean Annual Rain (mm) 62-91	1345
Grid Reference	SX017682	Mean Annual PE (mm) 62-91	616
EA Region	EA-SW	Observed flow record	1964 to 2005



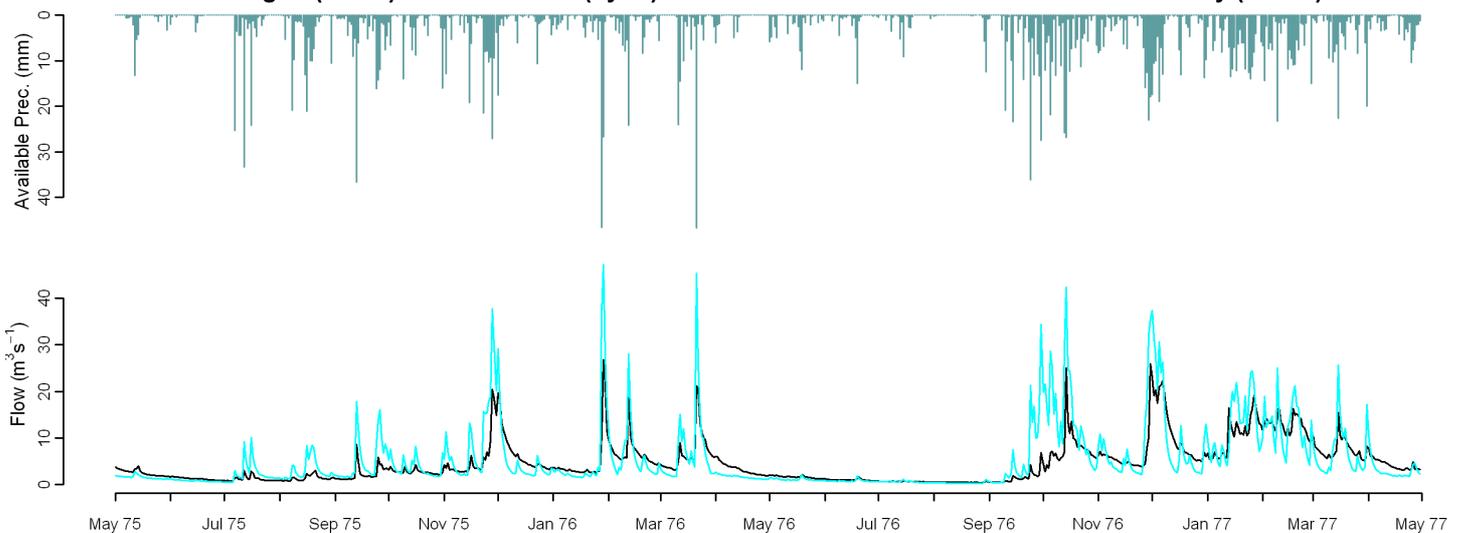
Observed Data

Comparison of gauged and simulated flow

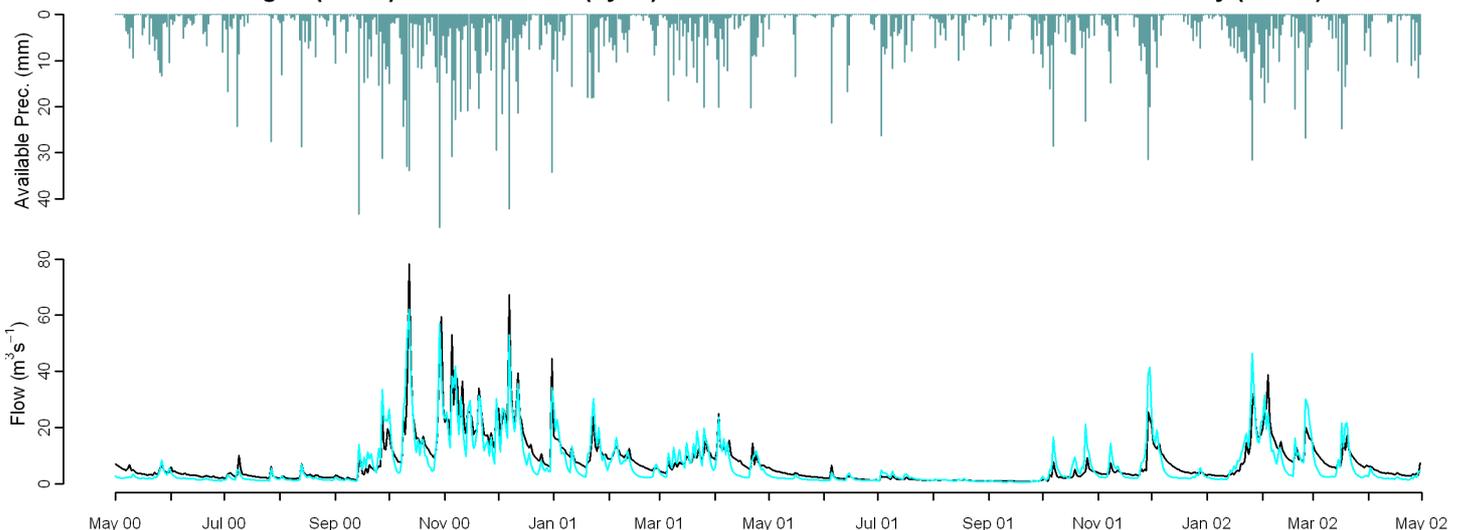
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-2.2	-6.0	-11.9	-13.6	-23.4	-25.1	-15.0	4.3	17.1	31.1	27.6	11.1	-0.6	0.63
Performance Band	1	1	2	2	2	2	2	2	2	3	2	1	1	2
MORECS (1962-1991)	0.2	-3.2	-13.0	-11.3	-25.8	-24.2	-5.2	11.7	19.2	31.2	28.5	13.2	3.5	0.59
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	-9.2	-20.2	-34.6	-7.0	24.7									
Performance Band	1	1	2	2	2									
MORECS (1962-1991)	-4.1	-16.7	-34.0	-7.8	23.6									

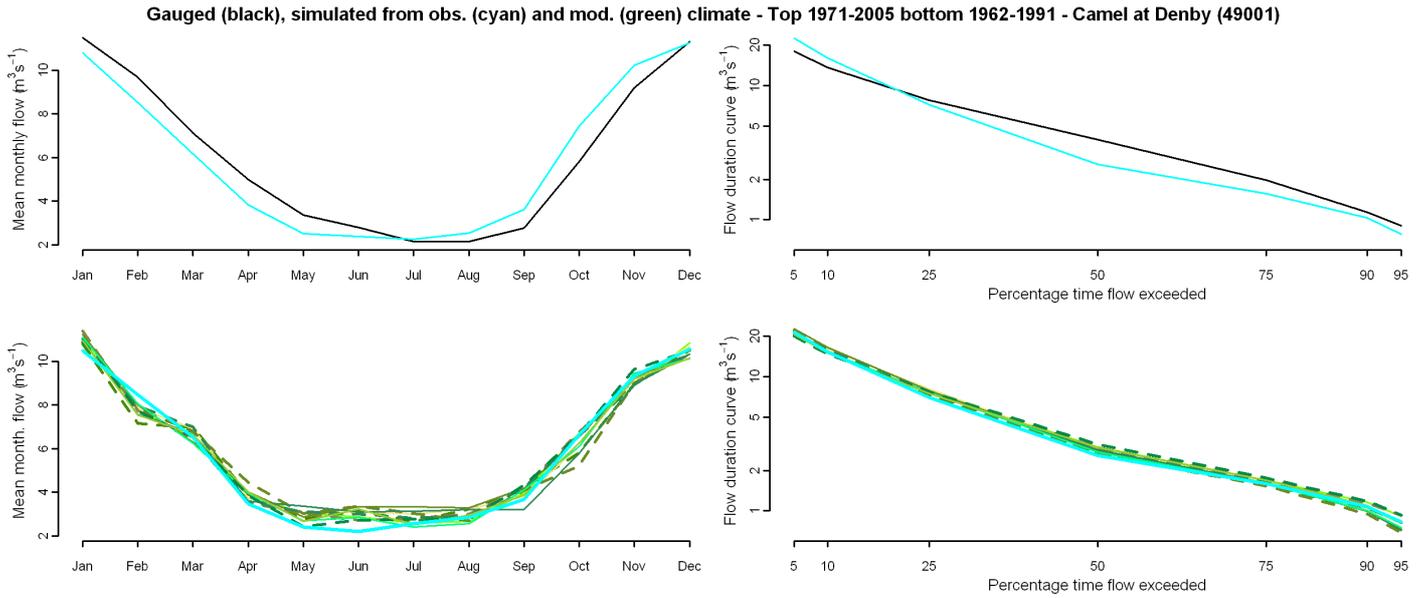
Gauged (black) and simulated (cyan) flows from observed climate - Camel at Denby (49001)



Gauged (black) and simulated (cyan) flows from observed climate - Camel at Denby (49001)



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	4	4	4	4	5	5	1	5	1	2	2
January	6	2	12	7	7	6	4	7	6	1	6
April	11	9	10	9	18	27	10	6	12	6	17
July	0	15	21	13	24	27	24	15	-2	4	-3
October	1	-4	-9	7	-7	-16	-6	-4	-7	0	-5
Q90	7	-7	-3	6	-10	-13	-8	-2	-8	5	1
Q75	6	1	4	7	-2	-4	2	3	-1	8	5
Q50	14	4	10	15	5	3	11	13	5	18	13
Q25	9	5	16	10	10	8	10	13	8	8	6
Q5	-3	4	-1	-3	4	4	-1	0	-4	-8	-3
RP2	3	-2	0	9	2	3	6	1	7	0	3
RP10	1	-1	8	14	4	10	12	1	15	9	0

Climate change graphs for 2050s

