

General Information

River Name	Eastburn Beck	Catchment Area (km2)	43
Station Name	Crosshills	SAAR (mm) 61-90	1131
Station Number	27084	Mean Annual Rain (mm) 62-91	1106
Grid Reference	SE021452	Mean Annual PE (mm) 62-91	538
EA Region	EA-NE	Observed flow record	1988 to 2005



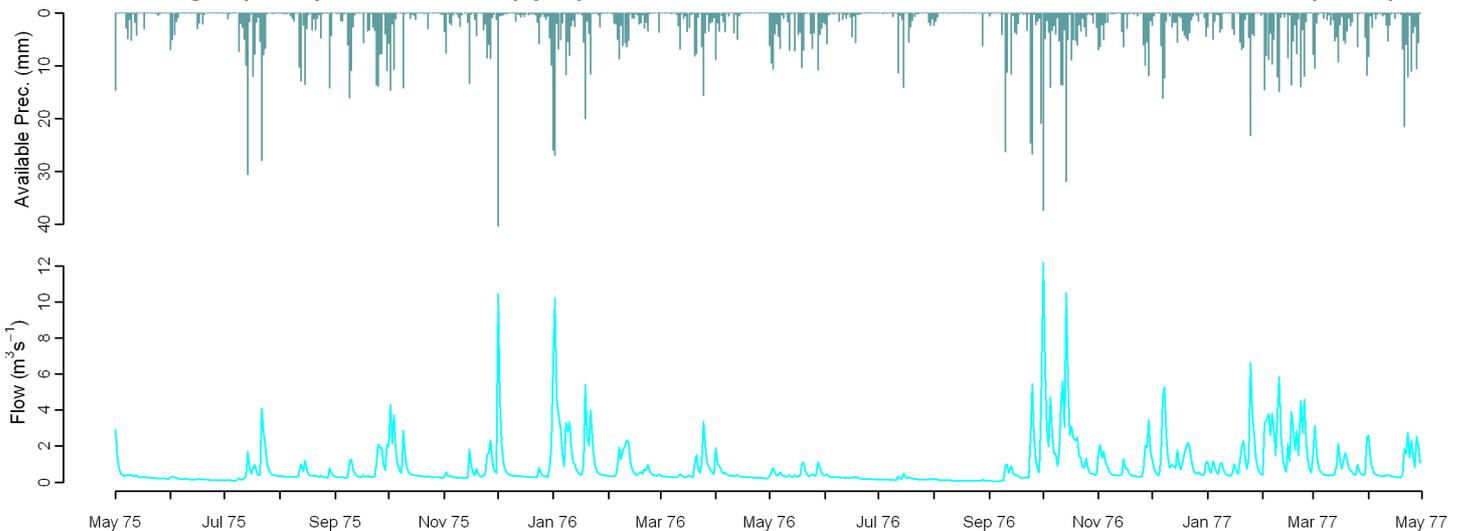
Observed Data

Comparison of gauged and simulated flow

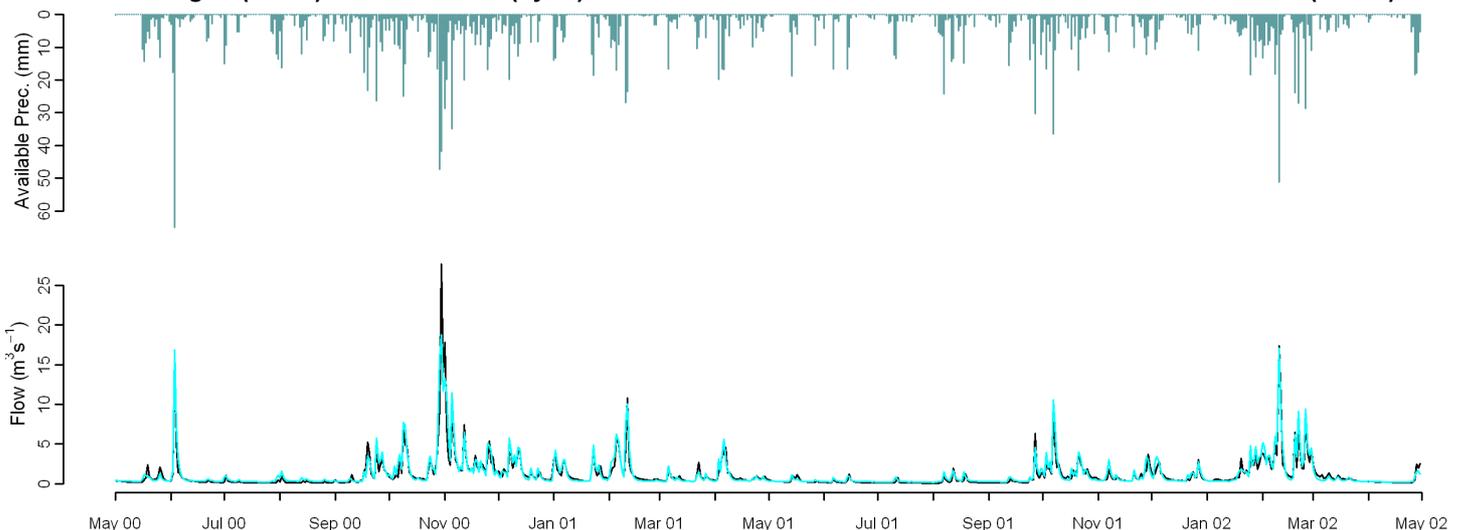
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	8.7	7.6	4.3	-7.0	-5.1	5.6	23.6	42.7	29.2	22.6	12.7	11.5	9.8	0.84
Performance Band	1	2	2	1	1	1	1	3	2	2	1	1	2	1
MORECS (1962-1991)	14.7	10.9	5.8	-1.2	3.2	47.9	40.7	39.8	14.1	24.7	15.6	18.1	11.9	0.83
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	109.4	65.0	0.0	-2.2	16.3									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	106.1	92.6	12.1	10.7	18.3									

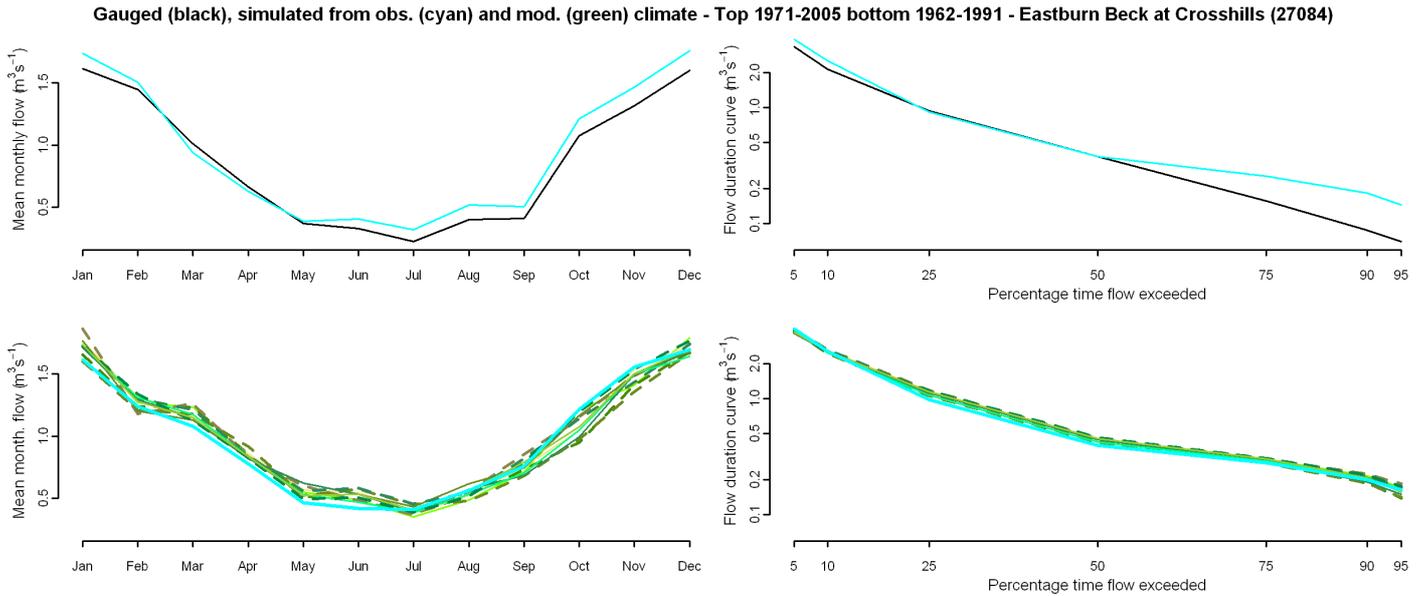
Gauged (black) and simulated (cyan) flows from observed climate - Eastburn Beck at Crosshills (27084)



Gauged (black) and simulated (cyan) flows from observed climate - Eastburn Beck at Crosshills (27084)



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	0	5	8	4	1	1	5	2	3	3
January	10	0	11	13	10	5	4	9	7	4	9
April	8	1	12	13	6	19	4	12	6	8	8
July	-13	2	1	-6	6	10	-4	9	-9	-8	-2
October	0	-16	-14	2	-4	-16	-7	-5	-11	-1	-11
Q90	9	-5	2	13	2	-7	-7	8	1	4	4
Q75	7	1	6	9	4	-1	0	10	3	7	8
Q50	13	7	13	15	12	7	12	14	6	15	14
Q25	17	8	18	23	13	9	14	18	10	18	15
Q5	-5	-8	-2	0	-5	-4	-8	0	-4	-6	-7
RP2	-4	0	-3	-2	4	1	2	3	9	-1	0
RP10	-7	11	-9	-9	1	-2	-1	-1	5	-5	2

Climate change graphs for 2050s

