

General Information

River Name	Liddel Water	Catchment Area (km2)	207
Station Name	Newcastleton	SAAR (mm) 61-90	
Station Number	77304	Mean Annual Rain (mm) 62-91	1328
Grid Reference		Mean Annual PE (mm) 62-91	487
EA Region		Observed flow record	1993 to 2008



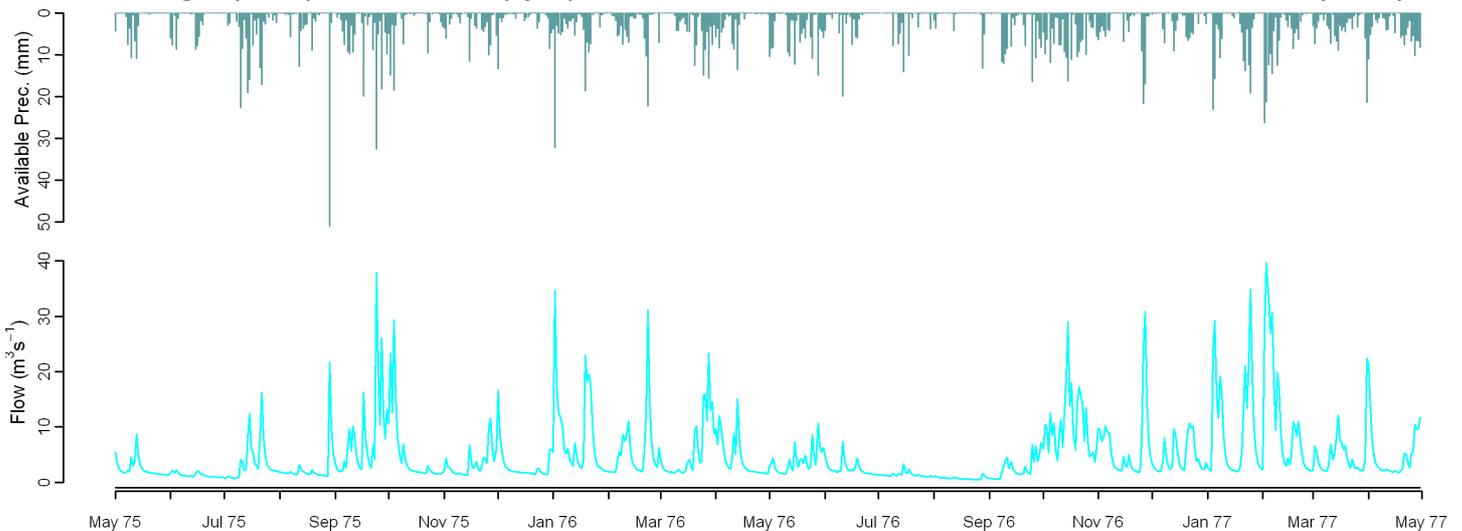
Observed Data

Comparison of gauged and simulated flow

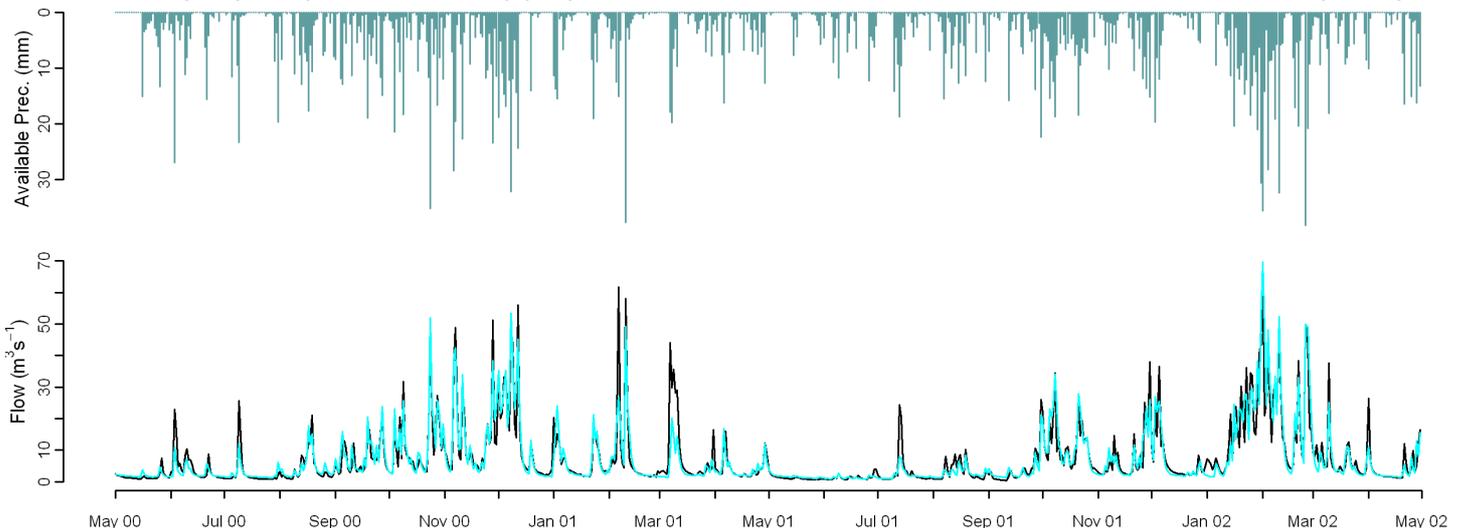
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	0.9	3.5	-7.7	-8.6	-8.0	-4.3	-5.8	-0.6	-0.7	12.1	13.0	4.7	5.3	0.76
Performance Band	1	1	1	1	1	1	1	1	2	1	1	1	2	1
MORECS (1962-1991)														
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	40.7	18.5	-14.8	3.1	-0.1									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)														

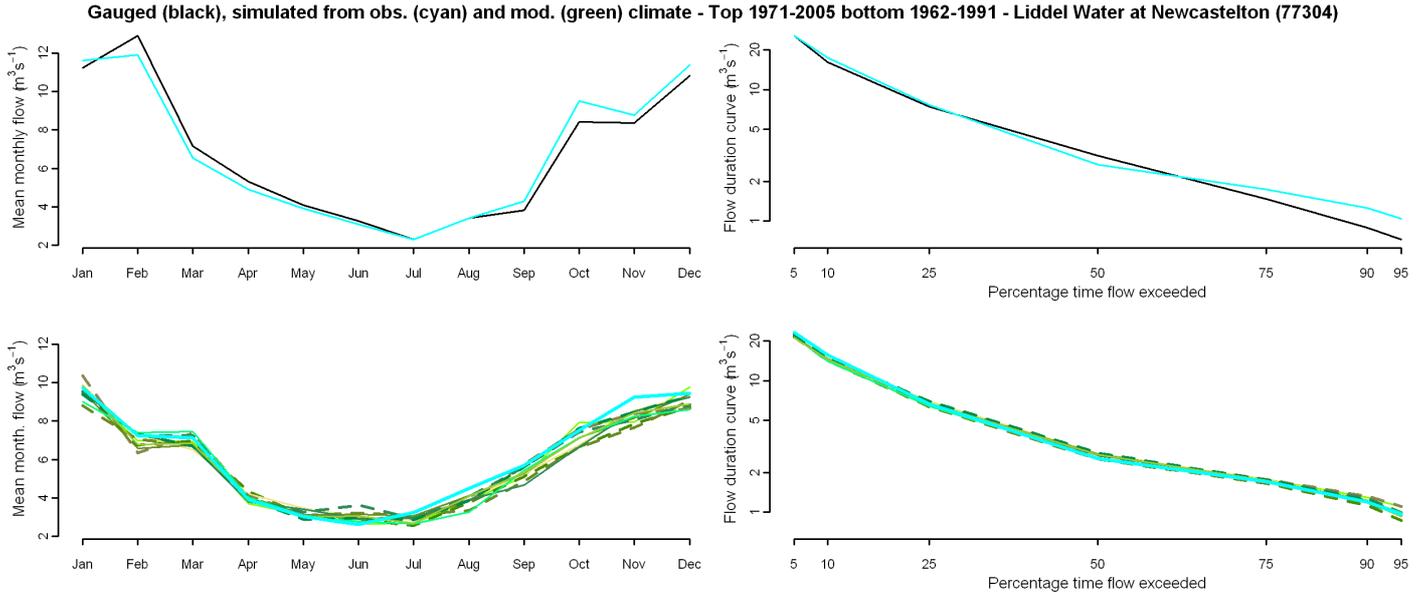
Gauged (black) and simulated (cyan) flows from observed climate - Liddel Water at Newcastleton (77304)



Gauged (black) and simulated (cyan) flows from observed climate - Liddel Water at Newcastleton (77304)



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

Climate change graphs for 2050s

