

General Information

River Name	Liddel Water	Catchment Area (km2)	319
Station Name	Rowanburnfoot	SAAR (mm) 61-90	1293
Station Number	77003	Mean Annual Rain (mm) 62-91	1311
Grid Reference	NY415759	Mean Annual PE (mm) 62-91	487
EA Region	SEPA-SW	Observed flow record	1973 to 2005



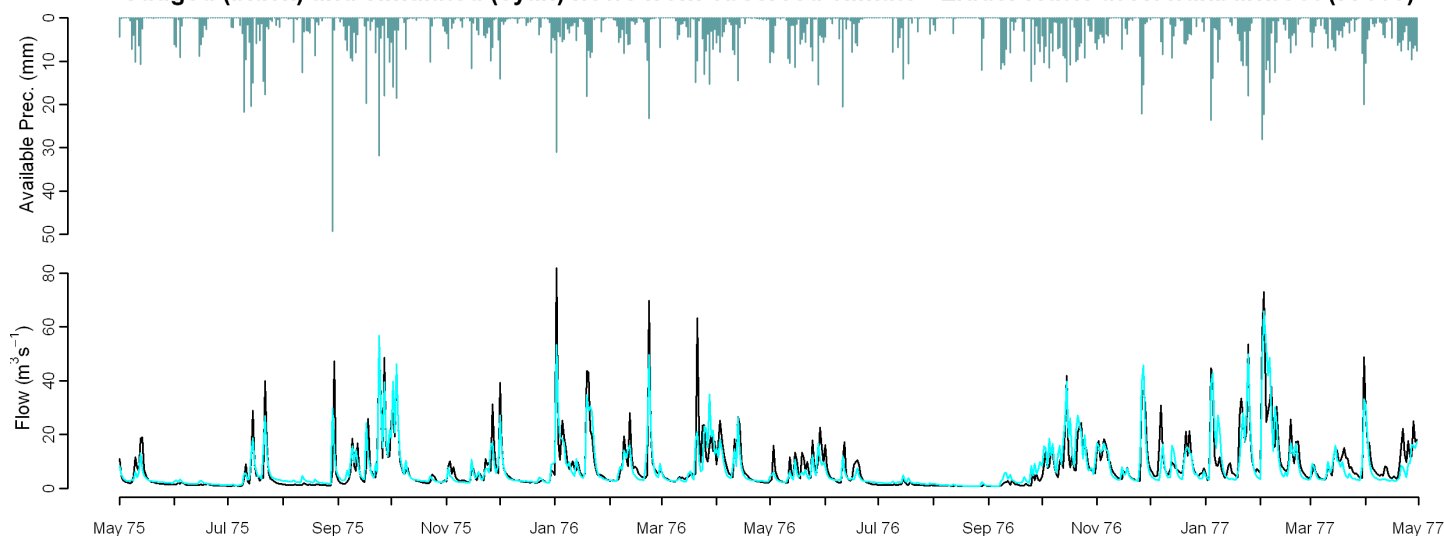
Observed Data

Comparison of gauged and simulated flow

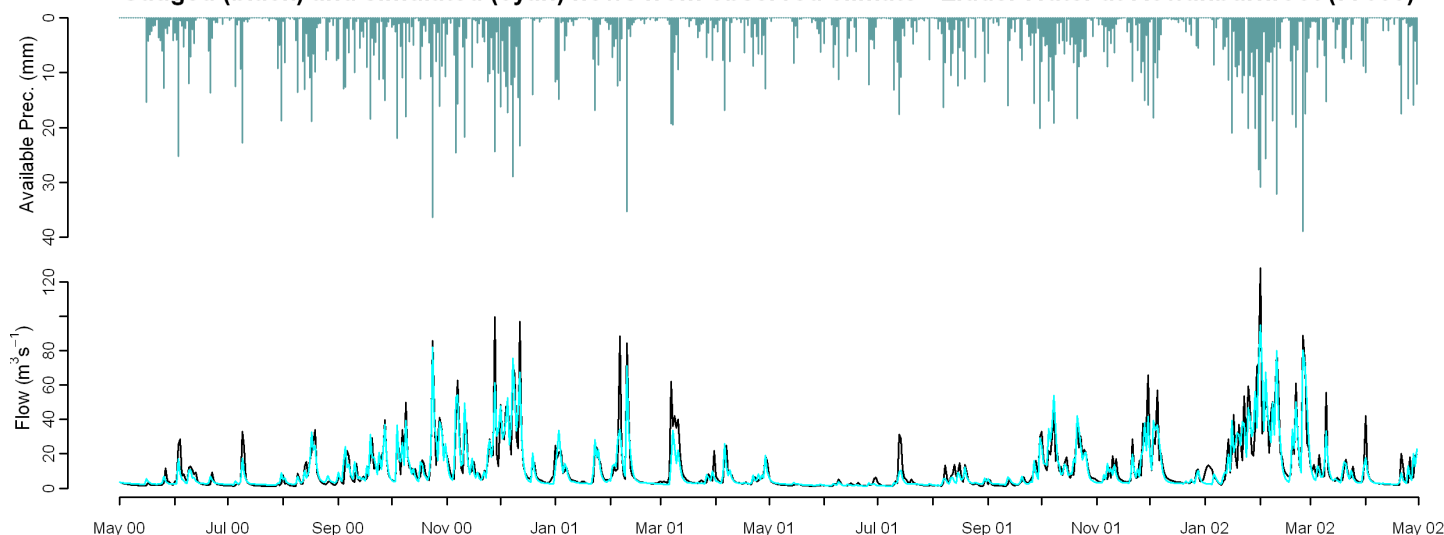
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-5.2	-5.0	-6.7	-10.2	-14.0	-16.8	-11.9	-4.2	-1.9	1.7	0.2	-2.5	-2.3	0.78
Performance Band	1	1	2	1	2	2	2	1	1	1	1	1	1	1
MORECS (1962-1991)	-6.1	-7.4	-7.3	-8.3	-17.0	-21.7	-14.4	-3.2	-0.3	-0.1	-3.2	-2.0	-3.8	0.78
	Q90	Q75	Q50	Q25	Q5									
MORECS (1971-2005)	32.3	10.7	-19.5	-5.8	-1.8									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	30.7	9.0	-23.2	-8.9	-3.6									

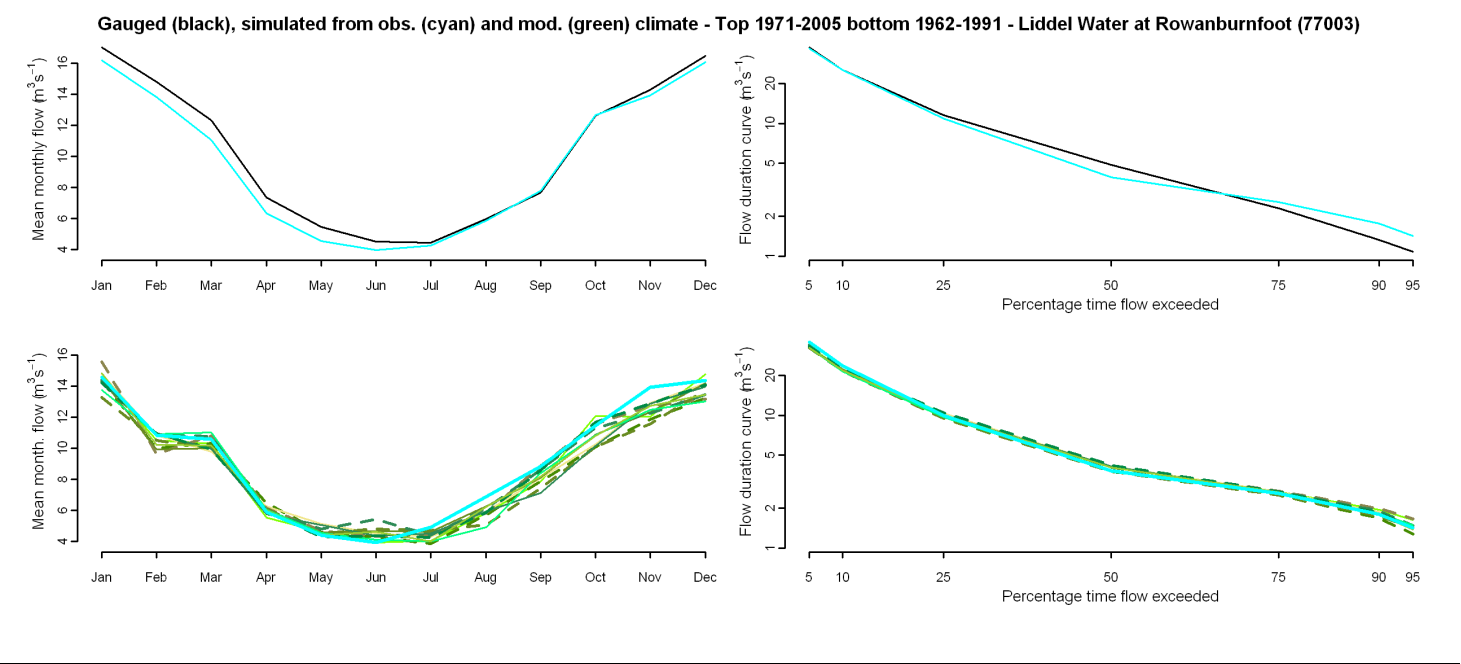
Gauged (black) and simulated (cyan) flows from observed climate - Liddel Water at Rowanburnfoot (77003)



Gauged (black) and simulated (cyan) flows from observed climate - Liddel Water at Rowanburnfoot (77003)



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

Climate change graphs for 2050s

