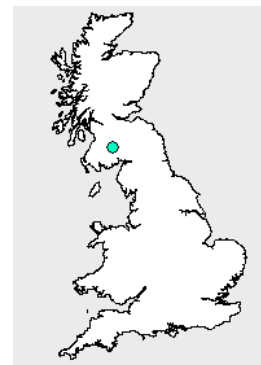


General Information

River Name	Nith	Catchment Area (km2)	471
Station Name	Drumlanrig	SAAR (mm) 61-90	1485
Station Number	79006	Mean Annual Rain (mm) 62-91	1504
Grid Reference	NX858994	Mean Annual PE (mm) 62-91	450
EA Region	SEPA-SW	Observed flow record	1967 to 2005



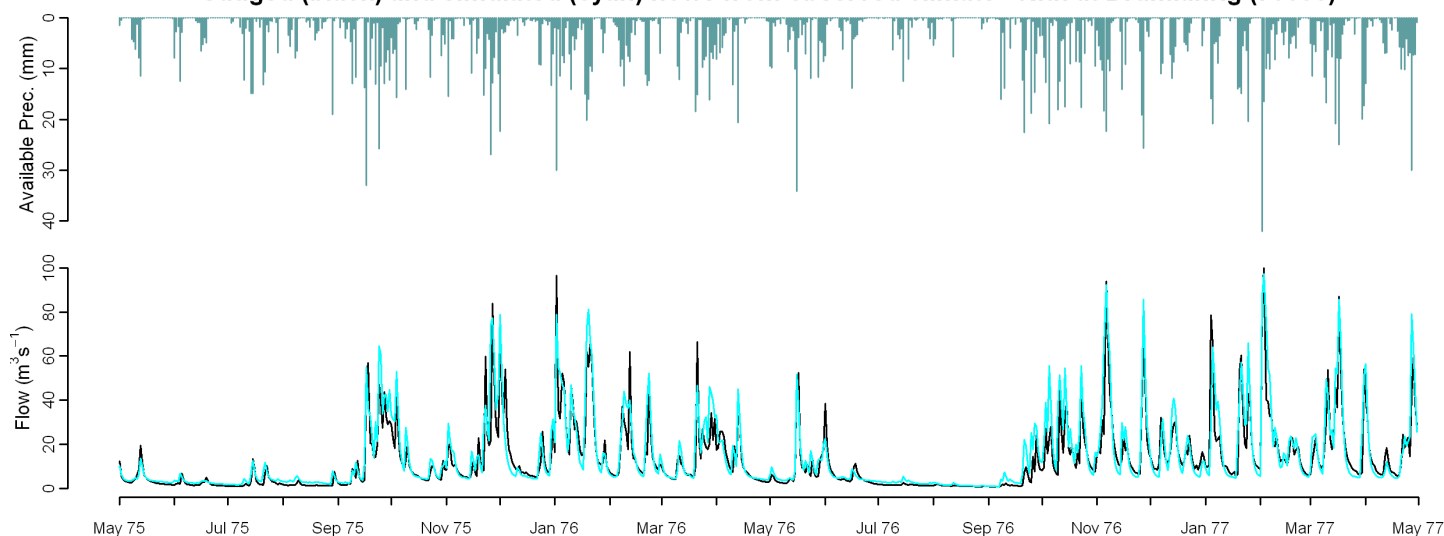
Observed Data

Comparison of gauged and simulated flow

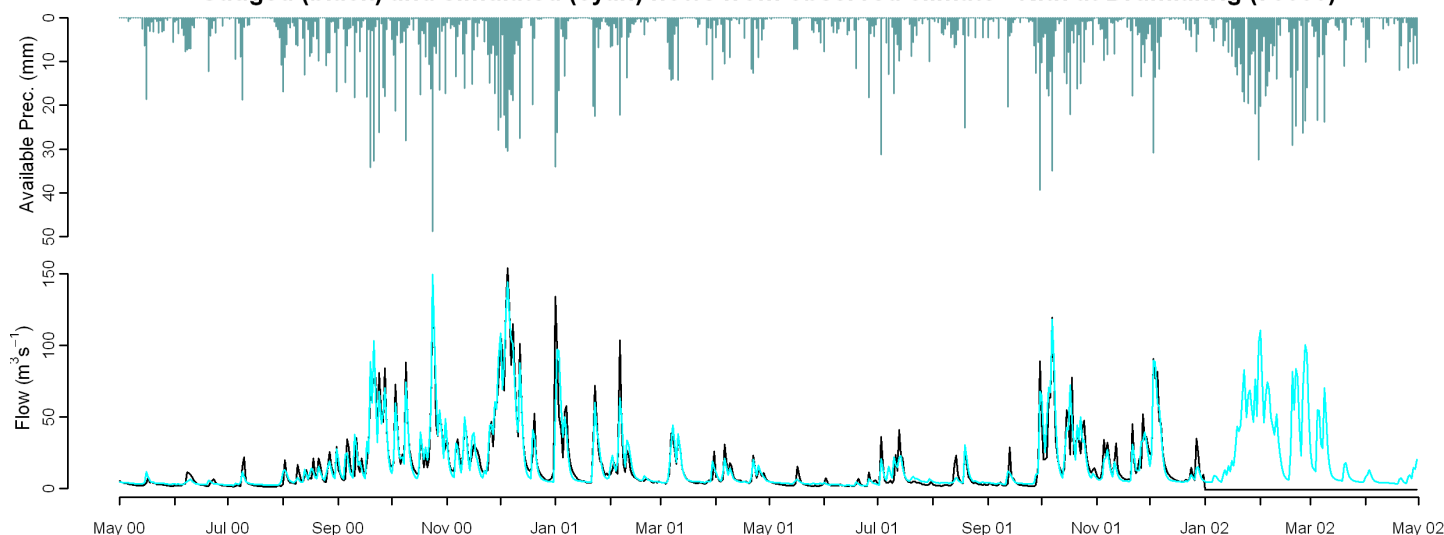
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	0.6	-3.3	0.9	-1.5	-6.7	-4.1	-0.3	7.4	8.8	9.0	7.0	1.2	-1.8	0.84
Performance Band	1	1	1	1	1	1	1	2	1	2	1	1	1	1
MORECS (1962-1991)	2.6	0.5	0.9	1.8	-5.7	-5.5	1.3	7.9	11.2	10.6	5.2	3.7	1.5	0.82
	Q90	Q75	Q50	Q25	Q5									
MORECS (1971-2005)	54.7	15.7	-16.7	3.2	3.8									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	52.7	16.5	-13.6	6.6	4.5									

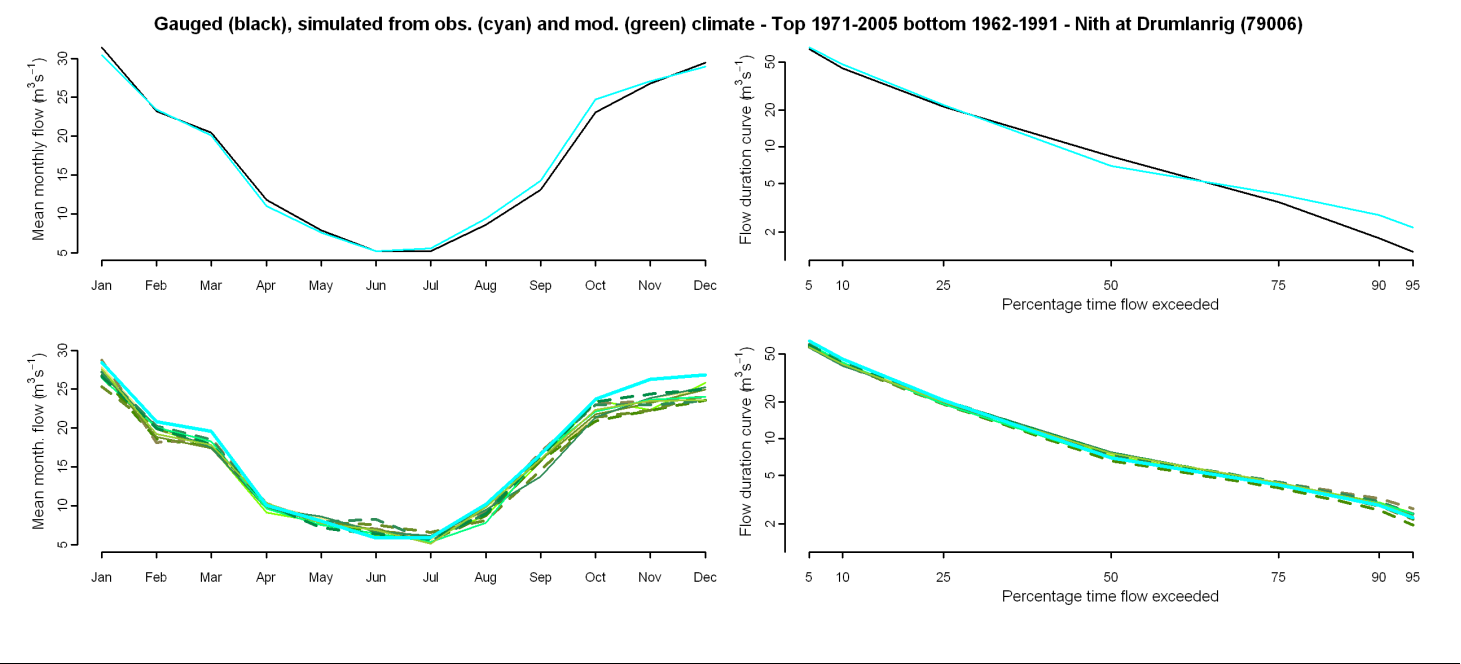
Gauged (black) and simulated (cyan) flows from observed climate - Nith at Drumlanrig (79006)



Gauged (black) and simulated (cyan) flows from observed climate - Nith at Drumlanrig (79006)



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

Climate change graphs for 2050s

