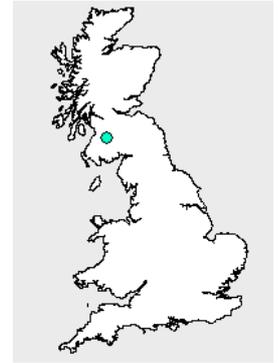


General Information

River Name	Nith	Catchment Area (km ²)	155
Station Name	Hall Bridge	SAAR (mm) 61-90	1510
Station Number	79003	Mean Annual Rain (mm) 62-91	1545
Grid Reference	NS684129	Mean Annual PE (mm) 62-91	467
EA Region	SEPA-SW	Observed flow record	1961 to 2005



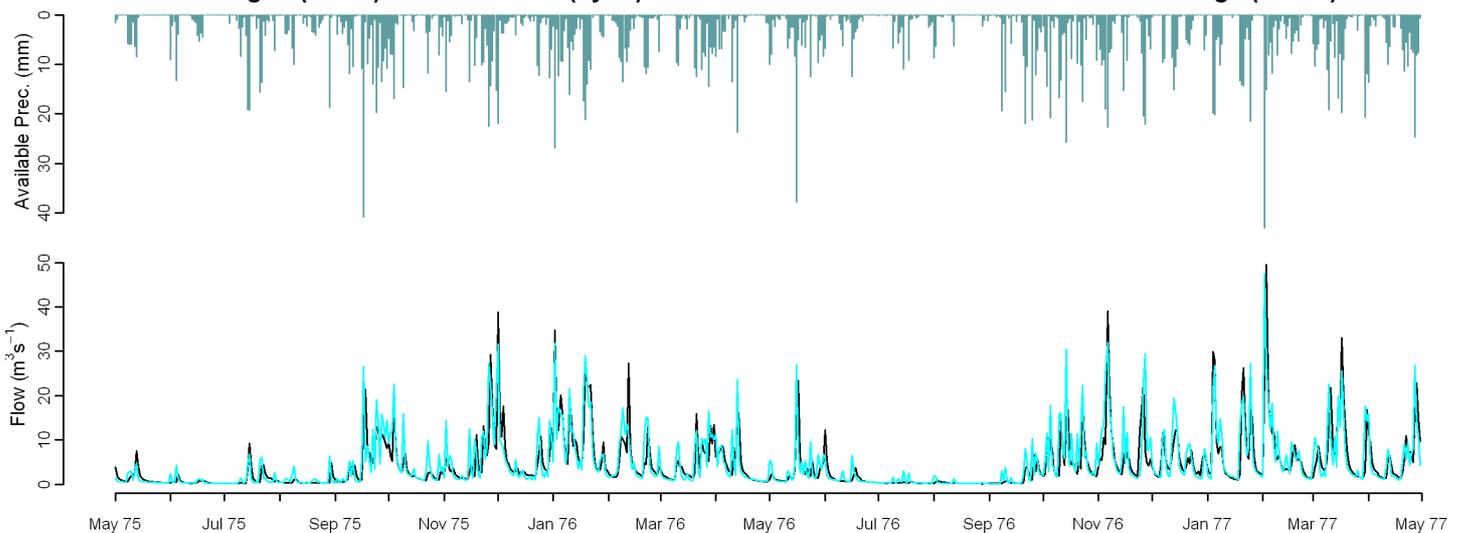
Observed Data

Comparison of gauged and simulated flow

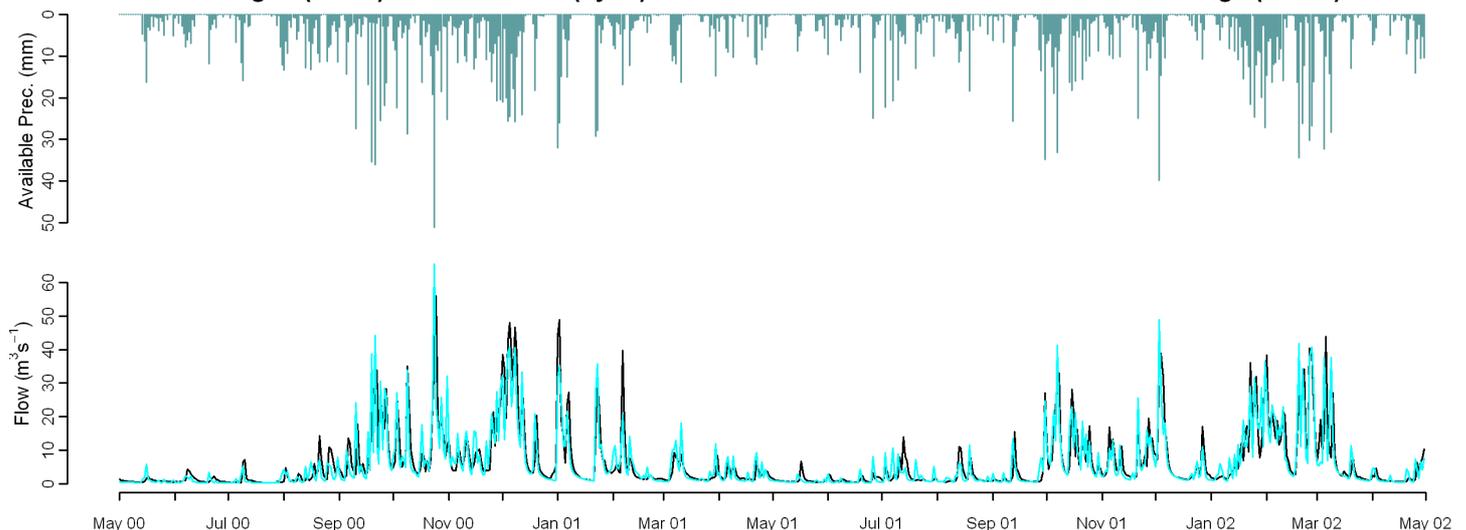
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-4.3	-6.8	-2.9	-4.8	-11.5	-12.4	-5.1	-3.7	-0.3	0.7	-0.1	-1.7	-5.4	0.69
Performance Band	1	1	1	1	2	2	1	1	1	1	1	1	1	1
FAO (1962-1991)	1.8	-1.0	-0.5	5.0	-4.3	0.1	5.3	-0.3	1.8	7.3	6.4	4.4	2.6	0.65
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-11.9	-12.1	-9.8	-1.2	-2.5	-6.6	-9.4	-13.1	-17.6					
Performance Band	1	1	1	1	1									
FAO (1962-1991)	-8.3	-8.6	-4.0	7.1	2.1	-1.4	-5.3	-7.1	-8.2					

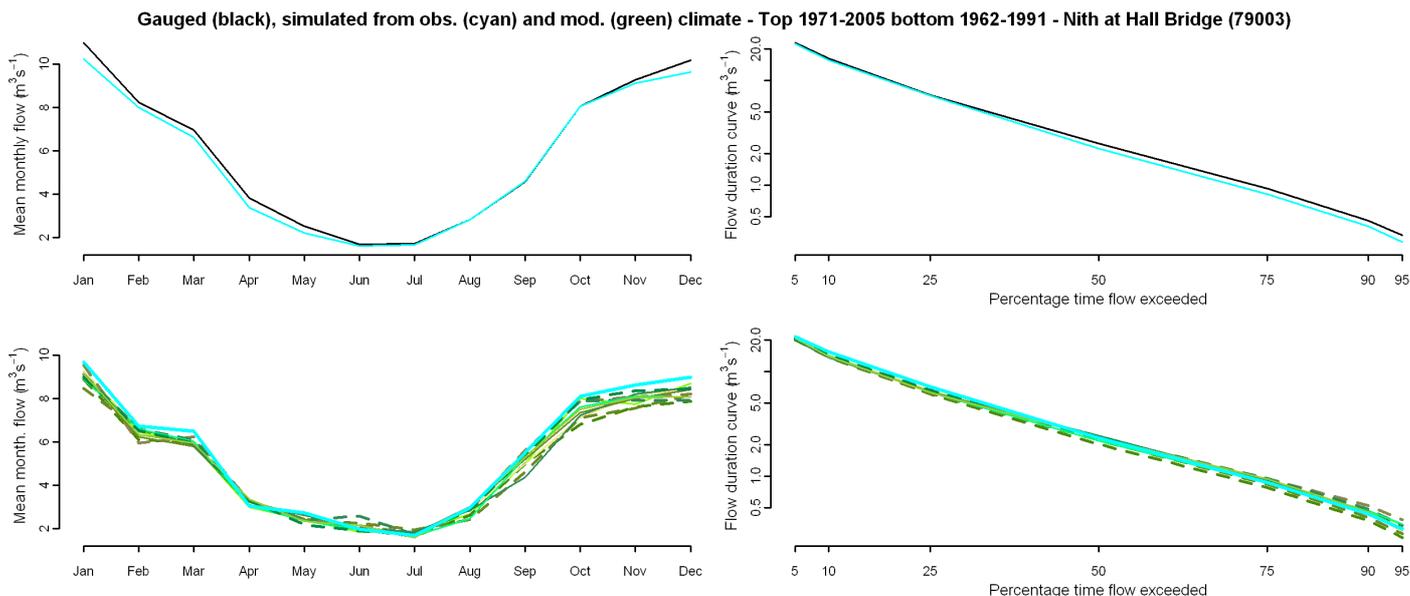
Gauged (black) and simulated (cyan) flows from observed climate - Nith at Hall Bridge (79003)



Gauged (black) and simulated (cyan) flows from observed climate - Nith at Hall Bridge (79003)



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

Climate change graphs for 2050s

