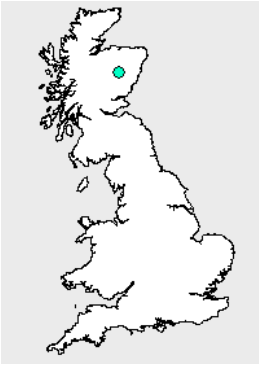


General Information

River Name	Dee	Catchment Area (km2)	690
Station Name	Polhollick	SAAR (mm) 61-90	1230
Station Number	12003	Mean Annual Rain (mm) 62-91	1275
Grid Reference	NO344965	Mean Annual PE (mm) 62-91	444
EA Region	SEPA-NE	Observed flow record	1975 to 2005



Observed Data

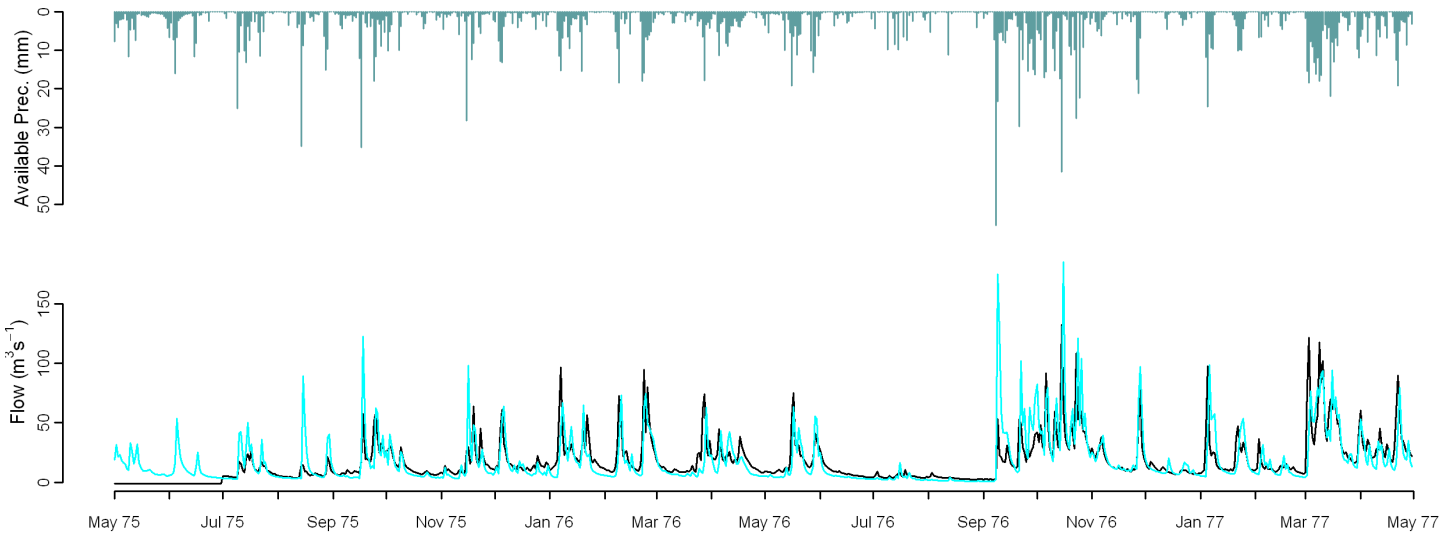
Comparison of gauged and simulated flow

Model used: CLASSIC

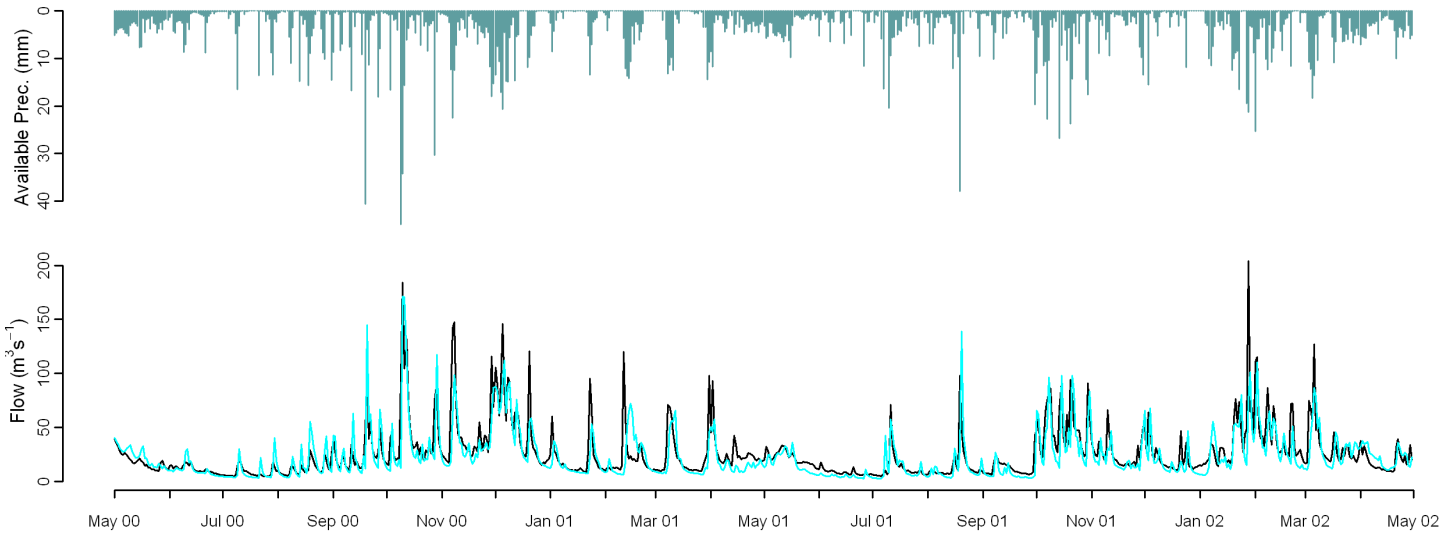
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-7.9	-16.5	-13.4	-14.8	-8.0	-5.0	-7.8	1.0	9.7	3.1	-4.0	-9.1	-8.1	0.43
Performance Band	1	2	2	2	1	1	1	1	1	1	1	1	1	2
FAO (1962-1991)	-2.4	-9.3	-6.3	-10.4	-6.2	-5.9	0.8	7.3	13.2	11.1	1.9	1.3	-4.1	0.40

	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20
MORECS (1971-2005)	-34.4	-27.7	-17.8	-1.5	-1.8	-6.1	-6.2	-3.9	-0.3
Performance Band	2	2	2	1	1				
FAO (1962-1991)	-28.8	-23.7	-12.7	3.9	4.1	7.7	6.4	5.7	5.2

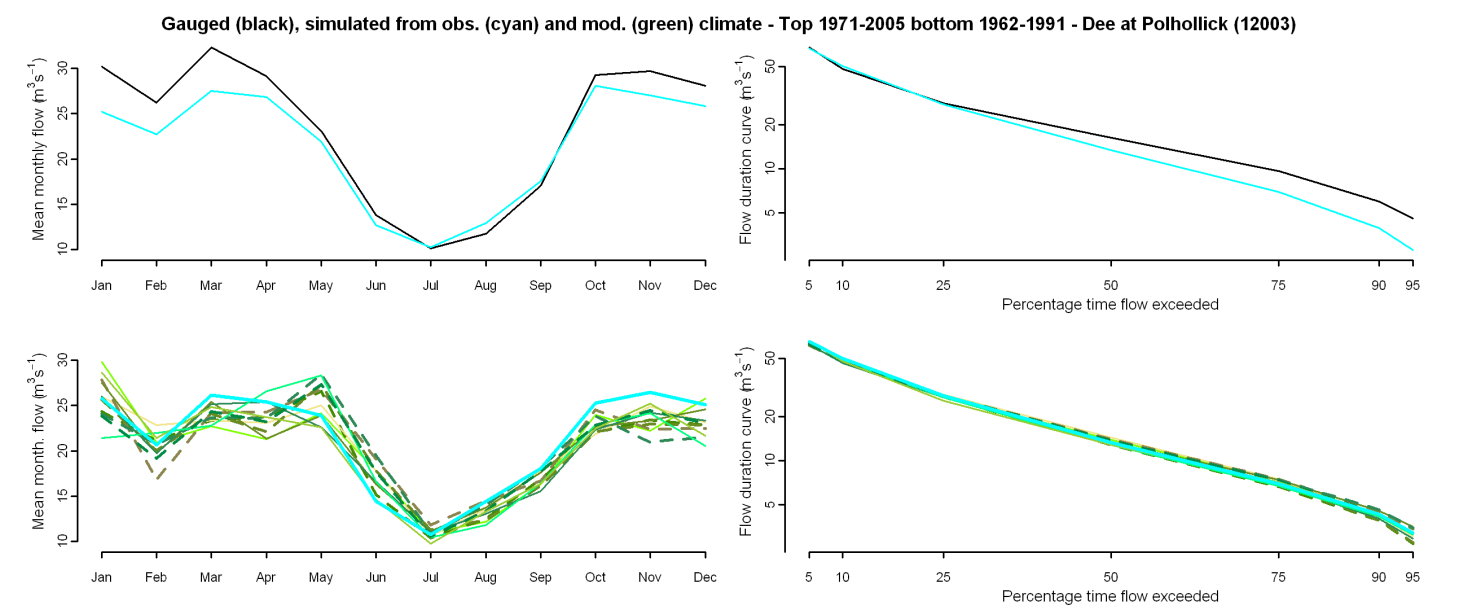
Gauged (black) and simulated (cyan) flows from observed climate - Dee at Polhollick (12003)



Gauged (black) and simulated (cyan) flows from observed climate - Dee at Polhollick (12003)



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

Climate change graphs for 2050s

