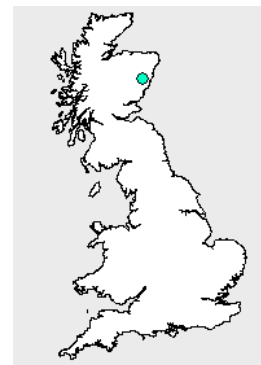


General Information

River Name	Feugh	Catchment Area (km2)	229
Station Name	Heugh Head	SAAR (mm) 61-90	1129
Station Number	12008	Mean Annual Rain (mm) 62-91	1159
Grid Reference	NO687928	Mean Annual PE (mm) 62-91	496
EA Region	SEPA-NE	Observed flow record	1985 to 2005



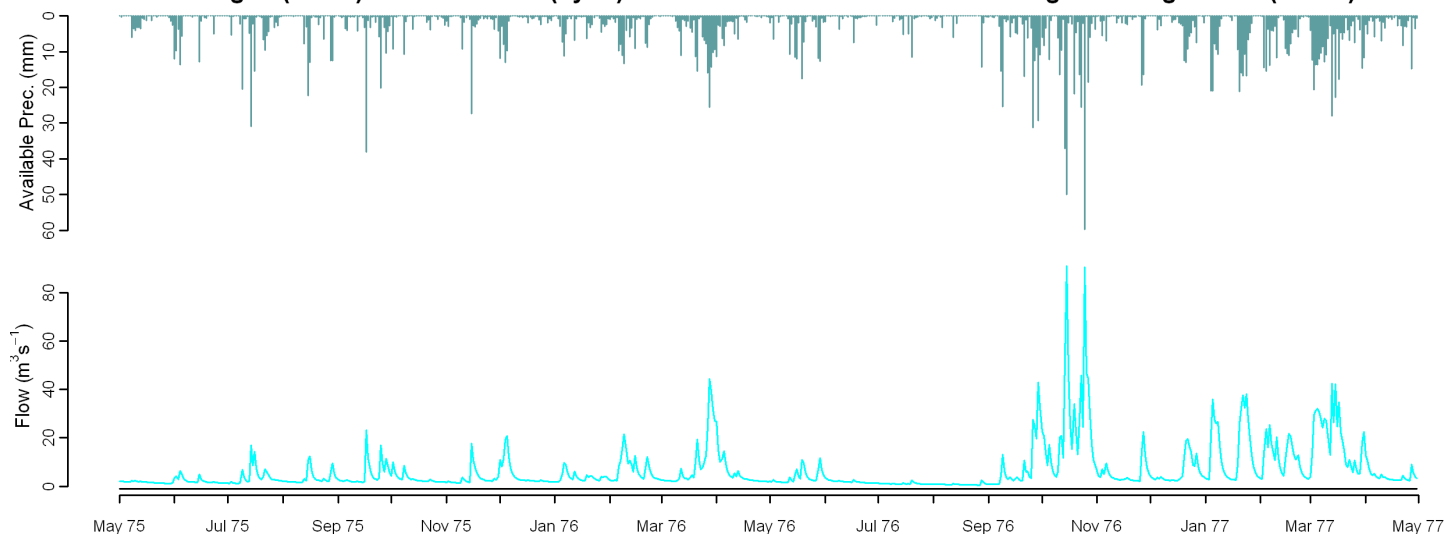
Observed Data

Comparison of gauged and simulated flow

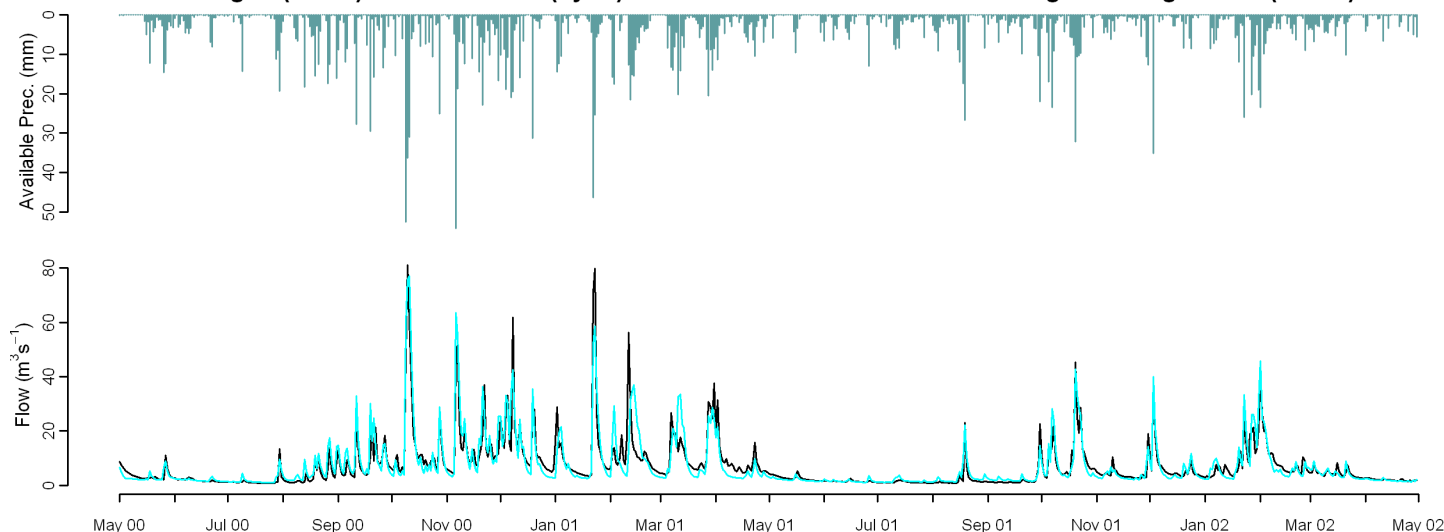
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	5.5	3.2	4.6	-2.6	-9.7	-10.2	2.0	14.9	24.3	23.4	12.8	6.5	9.4	0.69
Performance Band	1	1	2	1	2	2	2	2	1	3	1	1	1	1
MORECS (1962-1991)	10.7	6.8	20.9	-7.3	-10.1	-5.2	9.7	10.1	14.4	12.4	17.0	20.3	20.3	0.53
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	25.0	5.5	-12.6	-2.9	24.3									
Performance Band	1	1	1	2	1									
MORECS (1962-1991)	32.8	7.1	-9.3	1.1	31.8									

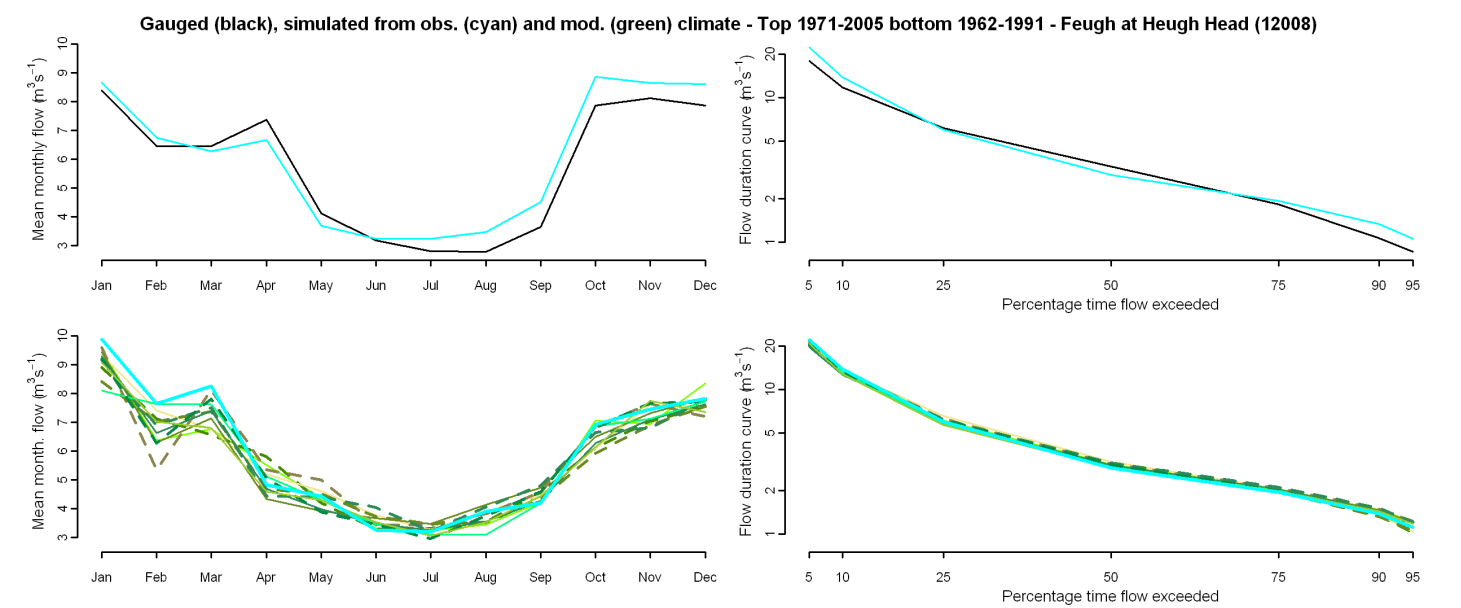
Gauged (black) and simulated (cyan) flows from observed climate - Feugh at Heugh Head (12008)



Gauged (black) and simulated (cyan) flows from observed climate - Feugh at Heugh Head (12008)



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	-1	-3	1	2	-5	-3	-4	-2	-3	-2	-5
January	0	-13	-2	-4	-7	-11	-7	-7	-20	-5	-6
April	12	19	10	14	-9	-4	-5	-4	11	5	-3
July	2	5	12	11	7	-4	2	1	-3	-10	-4
October	3	-9	-11	4	-5	-7	-3	-9	3	0	-4
Q90	7	-2	-1	9	2	-5	3	8	2	0	4
Q75	5	1	6	8	1	-1	3	7	1	0	1
Q50	7	2	11	8	1	2	5	8	2	4	1
Q25	3	-1	10	6	-4	-1	0	3	-2	3	-5
Q5	-7	-6	-9	-2	-8	-6	-10	-9	-7	-7	-7
RP2	-8	-9	-12	-8	-6	-9	-4	-4	-5	-5	-3
RP10	-13	-11	-11	-9	2	-11	-3	-8	-4	-5	-4

Climate change graphs for 2050s

