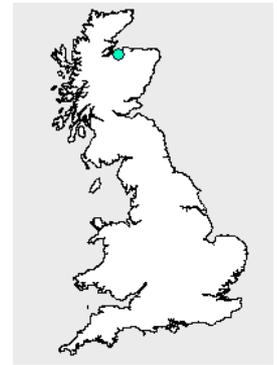


General Information

River Name	Divie	Catchment Area (km ²)	165
Station Name	Dunphail	SAAR (mm) 61-90	869
Station Number	7005	Mean Annual Rain (mm) 62-91	889
Grid Reference	NJ005480	Mean Annual PE (mm) 62-91	519
EA Region	SEPA-NW	Observed flow record	1977 to 2005



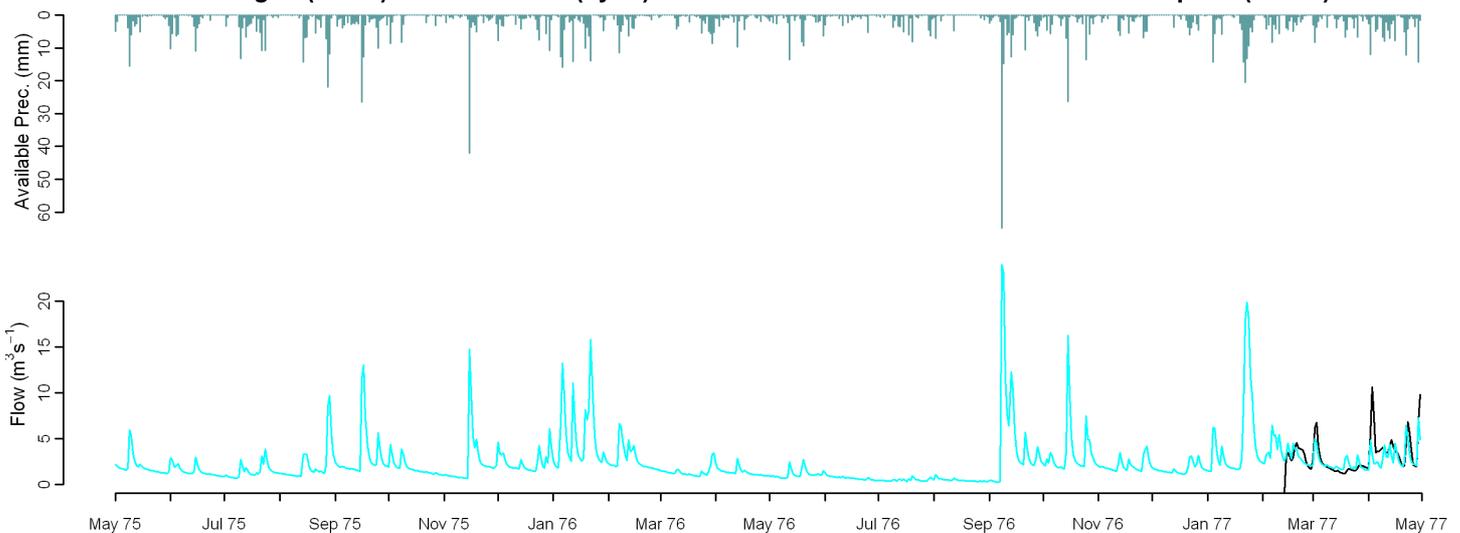
Observed Data

Comparison of gauged and simulated flow

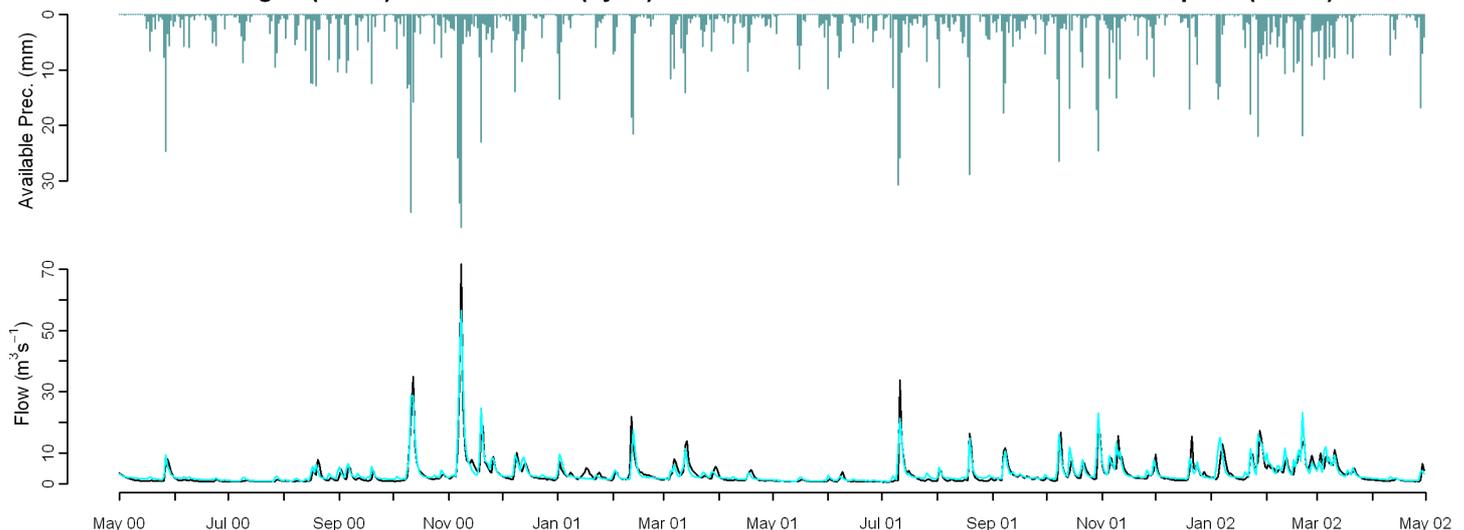
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	7.5	1.0	-0.7	-9.4	-8.2	-0.8	6.7	20.5	26.0	30.9	18.4	4.1	9.3	0.68
Performance Band	1	1	1	1	2	1	1	2	2	3	2	1	2	1
MORECS (1962-1991)	7.0	0.1	-1.9	-6.7	-5.8	-4.2	-3.9	19.9	22.0	26.9	23.0	0.4	7.9	0.59
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	48.1	46.1	21.6	-0.5	1.4									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	51.8	42.9	20.5	0.9	0.0									

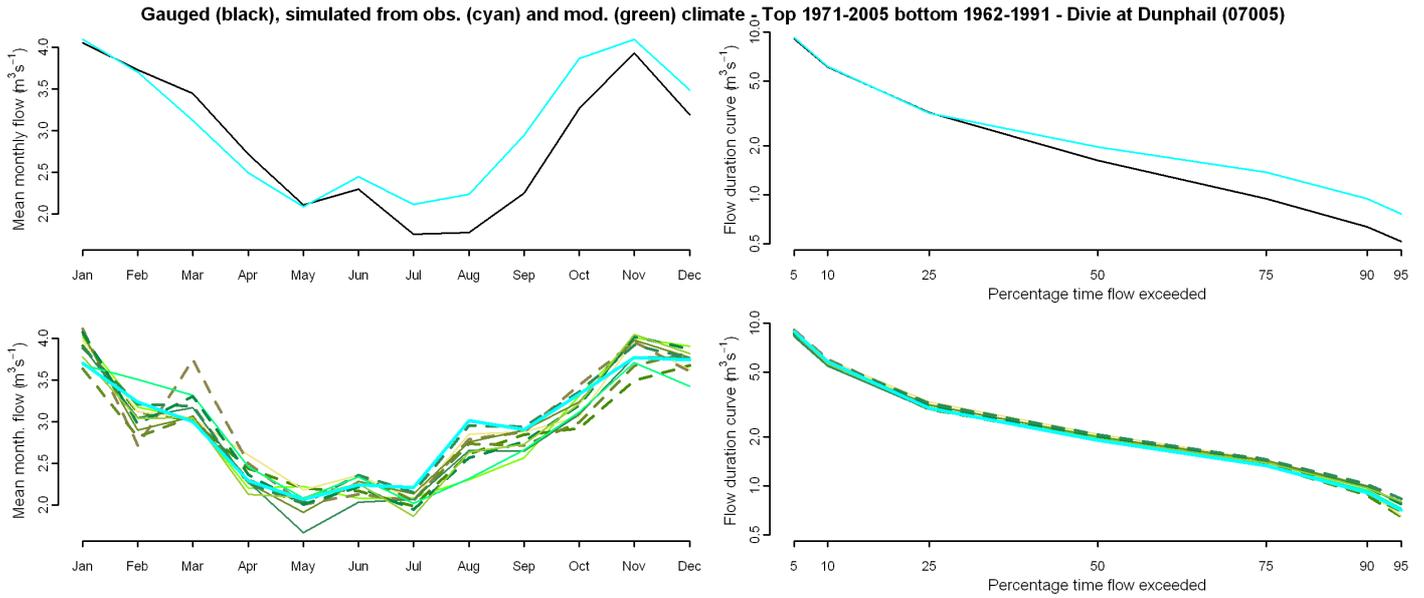
Gauged (black) and simulated (cyan) flows from observed climate - Divie at Dunphail (07005)



Gauged (black) and simulated (cyan) flows from observed climate - Divie at Dunphail (07005)



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	0	1	5	3	-1	-2	-2	2	-2	2	0
January	8	8	9	12	9	2	4	3	-3	9	4
April	-6	6	13	7	-2	-3	-3	4	2	3	-8
July	-4	-9	1	-3	-2	-9	-3	-2	-8	-11	-14
October	-1	-7	-6	11	-2	-10	-3	-2	-3	-2	5
Q90	6	-3	1	9	6	-3	5	11	0	5	8
Q75	5	2	9	5	6	-1	3	8	-1	3	4
Q50	6	3	9	4	4	1	1	8	1	3	2
Q25	3	1	10	4	3	-2	-2	6	-1	1	0
Q5	-5	-2	-2	2	-6	-5	-6	-2	-3	-2	-2
RP2	-9	-7	-1	3	-5	-6	-4	-17	-1	-1	-4
RP10	-12	-17	-16	-14	-10	-16	-5	-10	-10	-2	-4

Climate change graphs for 2050s

