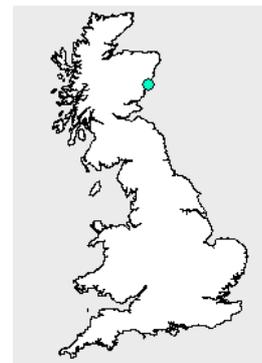


General Information

River Name	Bervie	Catchment Area (km ²)	123
Station Name	Inverbervie	SAAR (mm) 61-90	889
Station Number	13001	Mean Annual Rain (mm) 62-91	888
Grid Reference	NO826733	Mean Annual PE (mm) 62-91	509
EA Region	SEPA-NE	Observed flow record	1979 to 2005



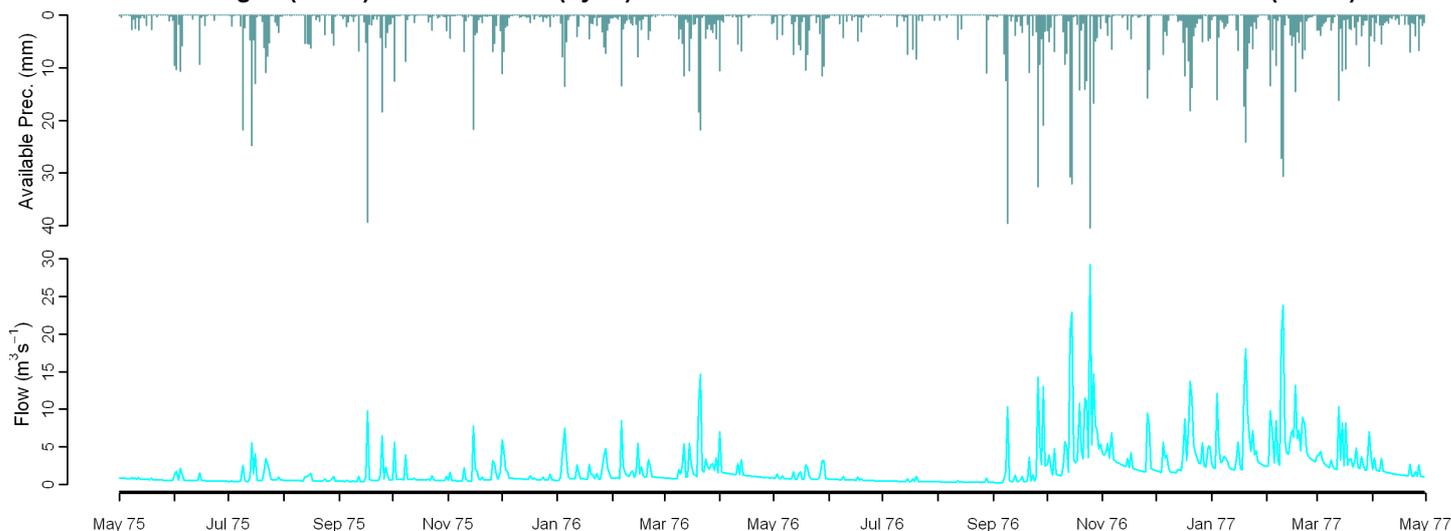
Observed Data

Comparison of gauged and simulated flow

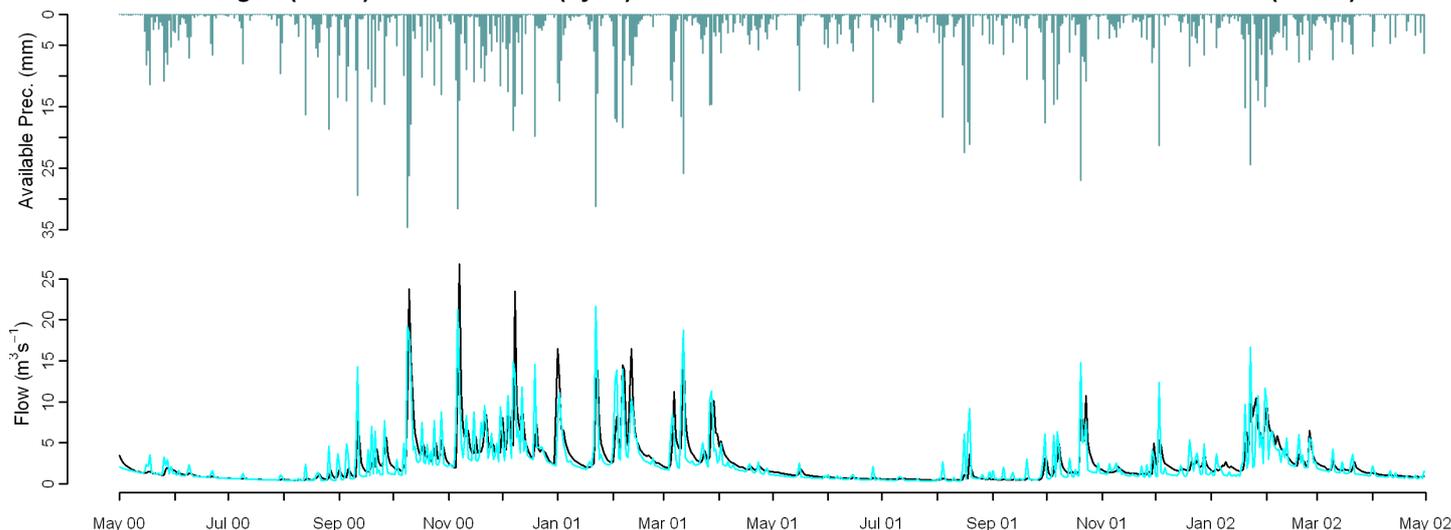
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-8.6	-9.9	-10.1	-14.7	-20.1	-13.4	-3.5	-2.2	4.3	6.8	-7.3	-5.9	-8.5	0.49
Performance Band	1	1	2	2	2	2	1	1	1	1	1	1	1	2
FAO (1962-1991)	-2.1	-3.6	-6.9	-10.5	-13.5	-5.0	2.5	1.5	6.7	13.6	2.4	-0.4	-0.2	0.44
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-6.6	-14.5	-18.2	-15.9	1.9	-7.2	-13.0	-15.5	-17.3					
Performance Band	1	1	2	2	1									
FAO (1962-1991)	4.6	-4.9	-8.8	-13.0	11.7	2.1	-4.2	-7.8	-10.8					

Gauged (black) and simulated (cyan) flows from observed climate - Bervie at Inverbervie (13001)

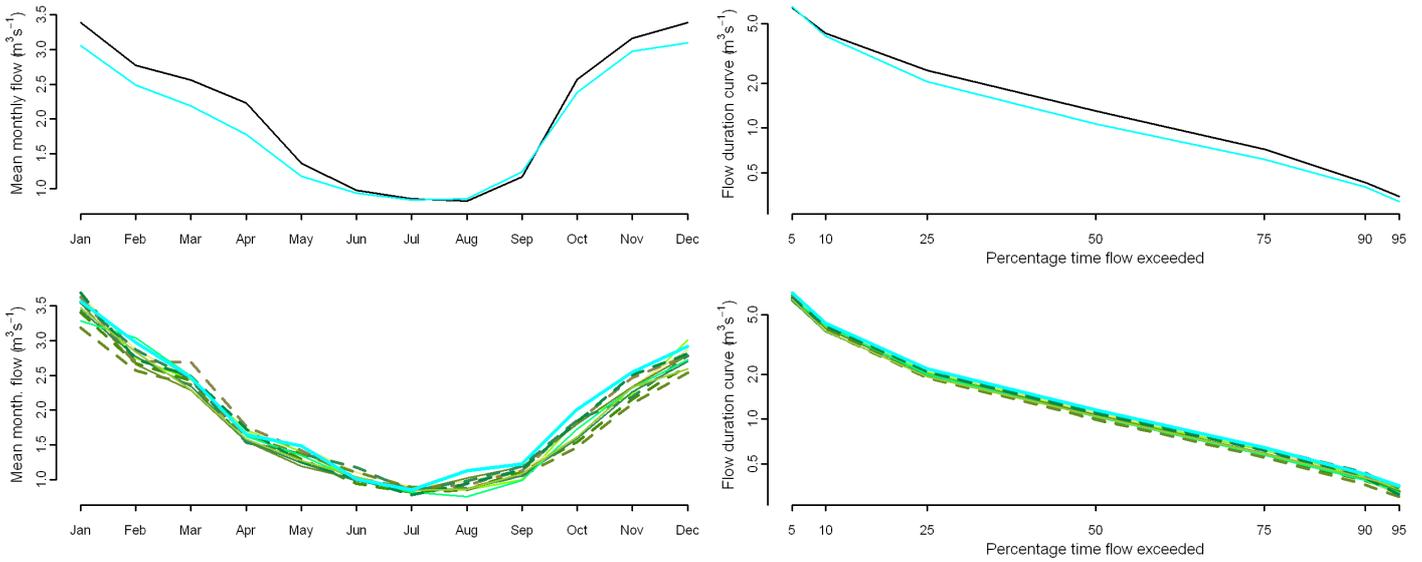


Gauged (black) and simulated (cyan) flows from observed climate - Bervie at Inverbervie (13001)



Comparison of gauged and simulated flow (observed and modelled climate)

Gauged (black), simulated from obs. (cyan) and mod. (green) climate - Top 1971-2005 bottom 1962-1991 - Bervie at Inverbervie (13001)



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	-9	-3	-1	-8	-11	-8	-4	-7	-4	-10
January	4	-6	7	5	2	-6	-2	2	-7	6	-1
April	2	0	0	8	-9	-3	-7	-6	-2	4	-7
July	-1	-3	5	1	-6	-7	-3	-4	-4	-10	-3
October	-6	-24	-20	-5	-14	-25	-19	-14	-16	-10	-10
Q90	-3	-9	-8	-1	-9	-16	-8	-1	-10	-8	-6
Q75	-3	-11	-1	-1	-11	-15	-9	-1	-11	-5	-10
Q50	-6	-13	-4	-2	-10	-14	-8	-5	-10	-6	-9
Q25	-4	-8	-1	1	-8	-12	-8	-4	-8	-3	-12
Q5	-4	-9	-4	-4	-9	-10	-11	-7	-8	-7	-12
RP2	-5	-11	-4	-4	-8	-9	-3	-4	-13	0	-9
RP10	-11	-15	-8	-7	-1	-15	-8	-10	-8	-14	-8

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Bervie at Inverbervie (13001)

