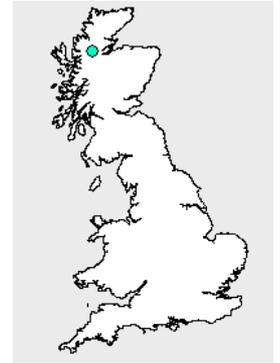


General Information

River Name	Meig	Catchment Area (km ²)	121
Station Name	Glenmeannie	SAAR (mm) 61-90	2141
Station Number	4005	Mean Annual Rain (mm) 62-91	2064
Grid Reference	NH286528	Mean Annual PE (mm) 62-91	460
EA Region	SEPA-NW	Observed flow record	1986 to 2005



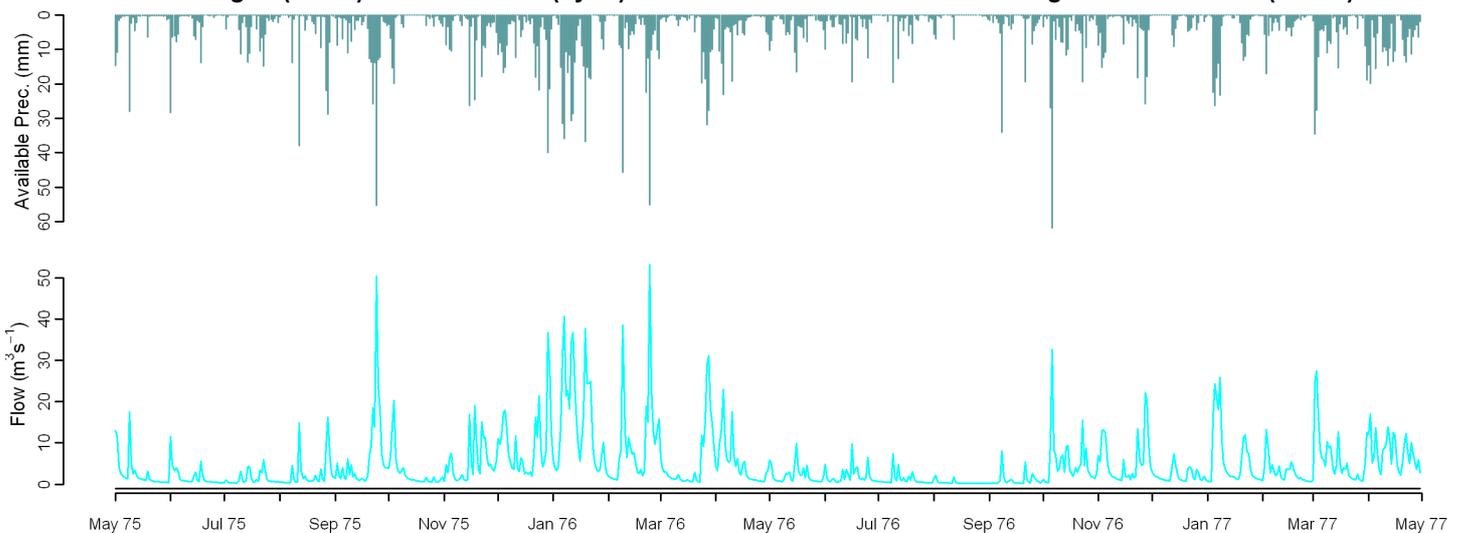
Observed Data

Comparison of gauged and simulated flow

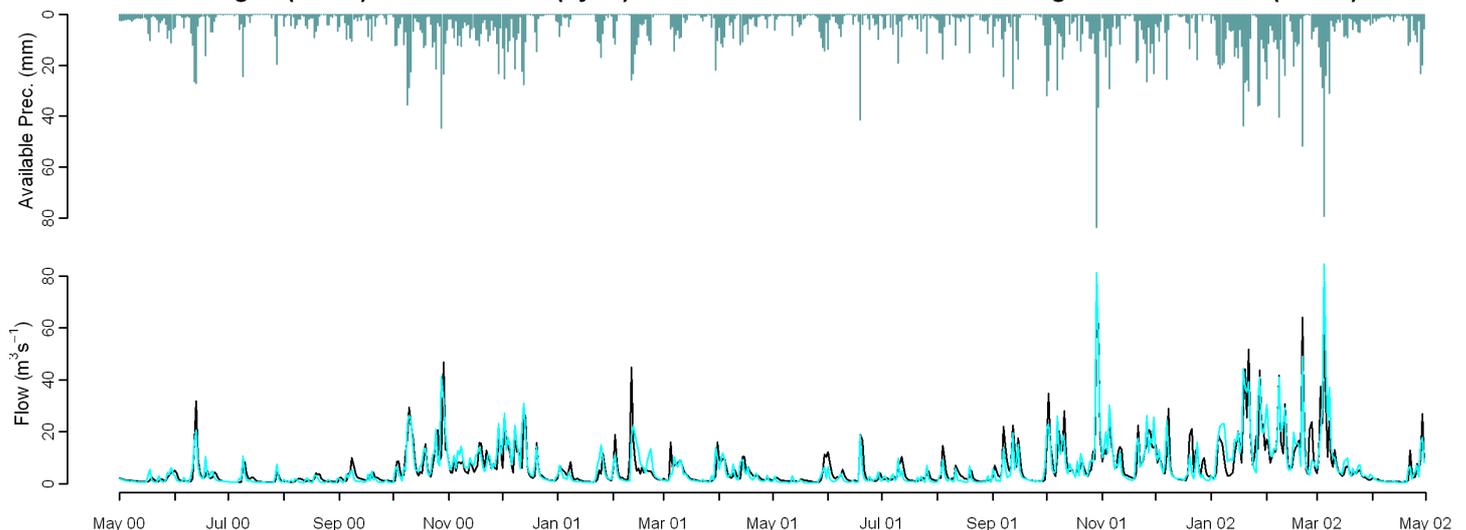
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	2.0	11.4	10.0	8.3	1.3	-12.3	-21.2	-28.5	-24.8	-14.5	1.8	8.4	5.9	0.76
Performance Band	1	2	1	1	1	2	2	2	2	2	1	1	1	1
FAO (1962-1991)	2.7	8.9	14.6	10.4	-6.1	-19.3	-9.3	-34.6	-26.3	-12.4	6.7	13.1	4.6	0.75
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-30.9	-25.5	-8.0	4.3	9.3	-4.5	-6.3	-9.9	-13.9					
Performance Band	2	1	1	1	1									
FAO (1962-1991)	-26.8	-25.5	-11.2	6.3	8.2	-7.1	-3.2	-1.4	-0.1					

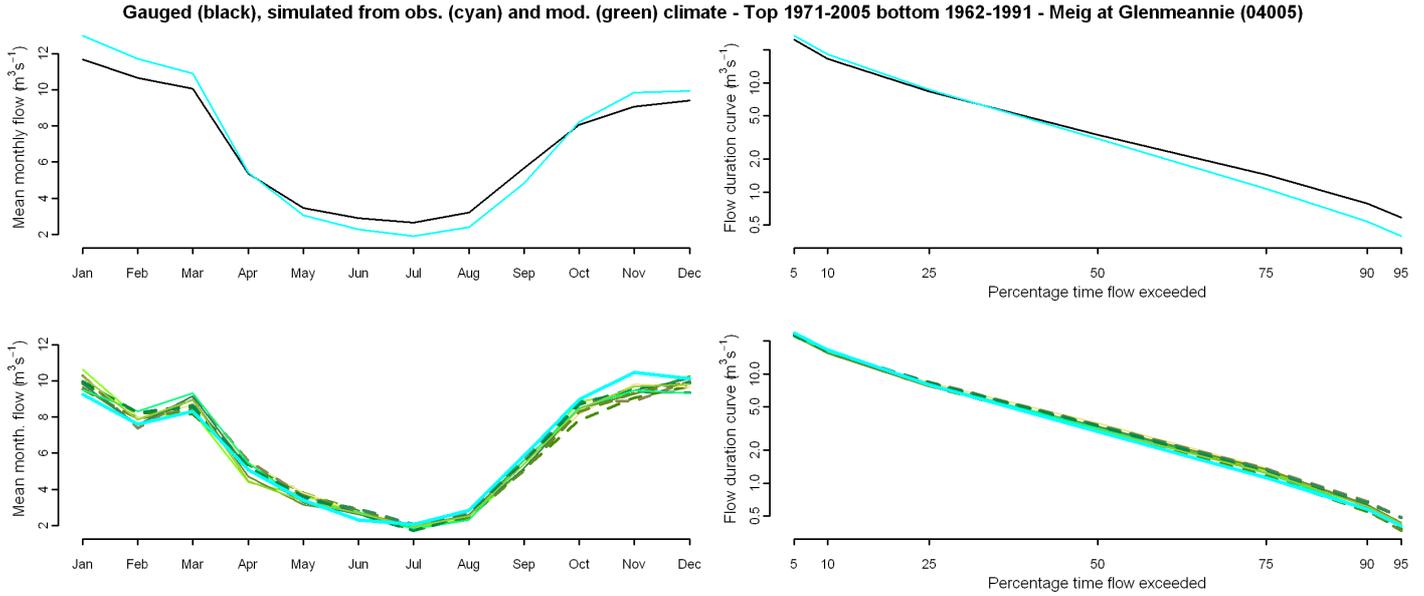
Gauged (black) and simulated (cyan) flows from observed climate - Meig at Glenmeannie (04005)



Gauged (black) and simulated (cyan) flows from observed climate - Meig at Glenmeannie (04005)



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	0	1	2	0	-1	0	2	0	0	1
January	13	12	9	9	7	7	4	6	0	5	17
April	-11	9	8	10	-6	2	1	5	6	6	-11
July	-8	-12	0	13	-7	-8	-3	0	-10	-14	-5
October	-1	-6	-9	2	-3	-8	0	1	-5	-3	1
Q90	6	-1	2	19	6	-3	5	15	0	7	8
Q75	16	8	20	22	17	9	10	18	9	12	12
Q50	7	5	18	15	10	10	7	13	6	11	4
Q25	-1	-1	4	5	-3	-1	-2	2	0	3	-3
Q5	-5	-4	-8	-5	-5	-5	-1	-4	-4	-7	-1
RP2	3	4	-2	-15	10	-1	-1	3	2	-1	11
RP10	-9	-7	-7	-13	-6	-12	-15	-9	-16	-8	-3

Climate change graphs for 2050s

