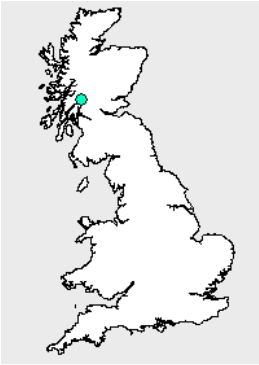


General Information

River Name	Falloch	Catchment Area (km2)	80
Station Name	Glen Falloch	SAAR (mm) 61-90	2839
Station Number	85003	Mean Annual Rain (mm) 62-91	2881
Grid Reference	NN321197	Mean Annual PE (mm) 62-91	442
EA Region	SEPA-SW	Observed flow record	1970 to 2005



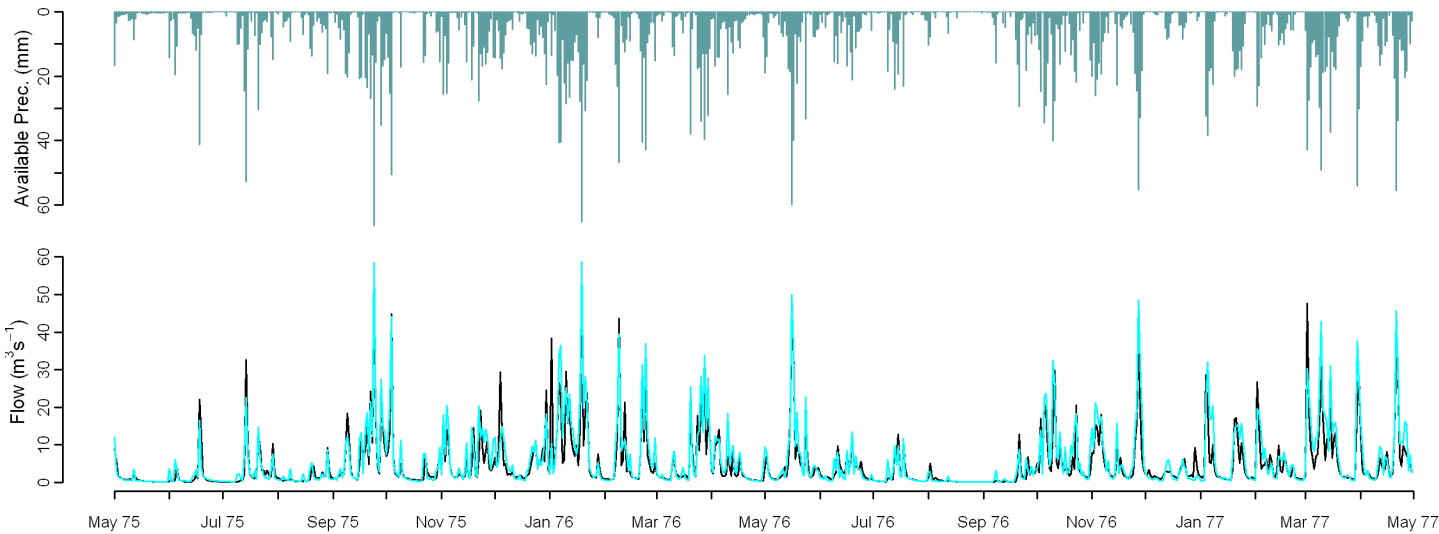
Observed Data

Comparison of gauged and simulated flow

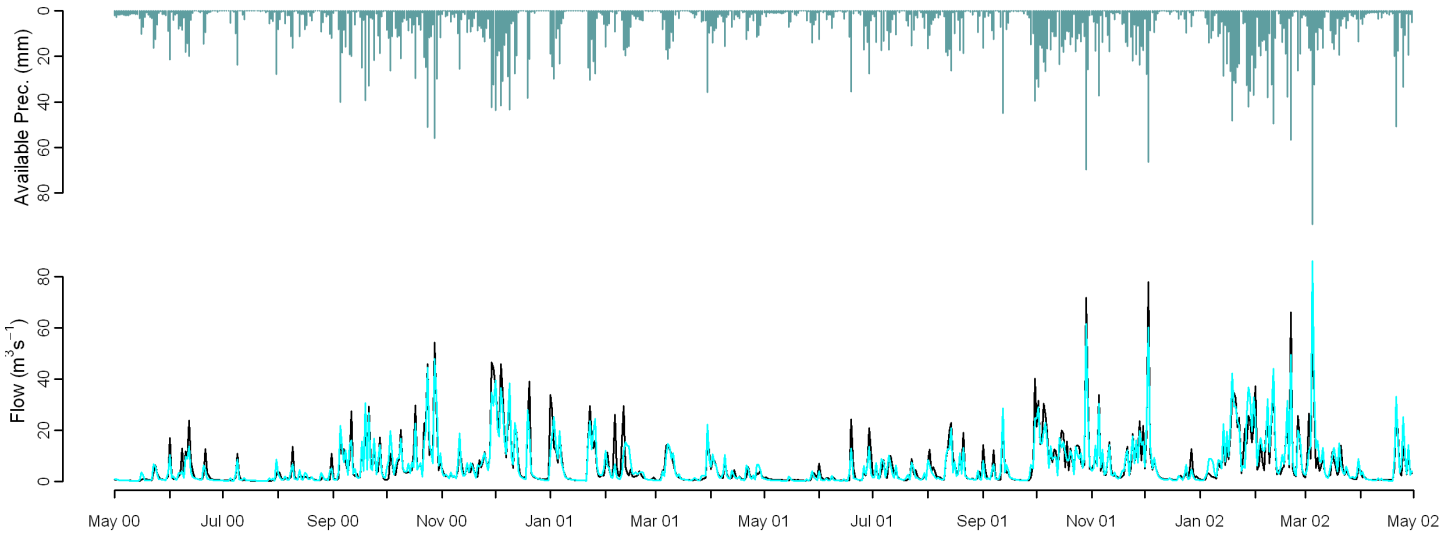
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	12.6	15.8	15.4	18.8	23.6	12.3	-3.2	-8.2	0.0	10.1	16.5	18.9	13.6	0.78
Performance Band	2	2	2	2	2	2	1	1	1	2	2	2	2	1
FAO (1962-1991)	21.4	25.2	28.1	26.2	40.1	22.7	0.6	-7.4	1.5	16.2	24.6	27.4	23.8	0.74
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-19.9	-11.4	17.9	27.2	10.6	-11.9	-13.3	-12.4	-10.5					
Performance Band	1	1	2	2	1									
FAO (1962-1991)	-23.8	-14.3	20.6	36.9	20.0	-9.6	-14.1	-16.6	-18.5					

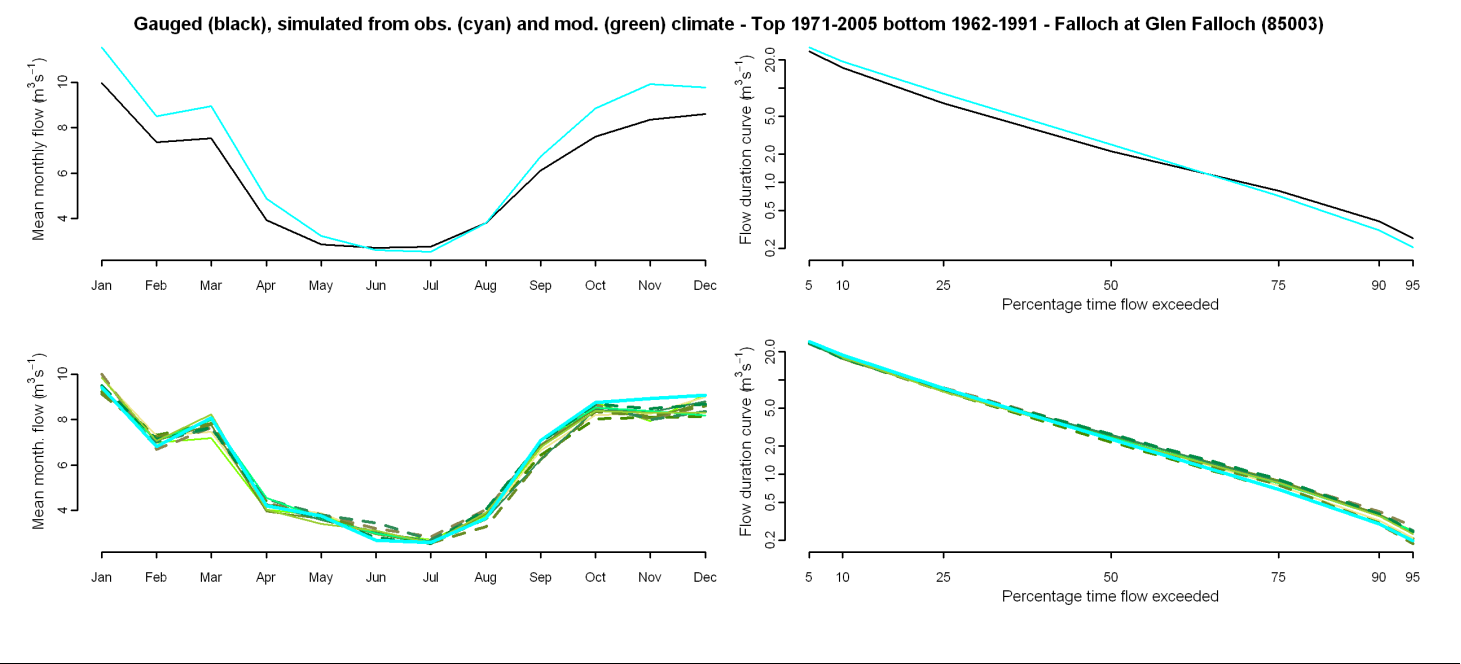
Gauged (black) and simulated (cyan) flows from observed climate - Falloch at Glen Falloch (85003)



Gauged (black) and simulated (cyan) flows from observed climate - Falloch at Glen Falloch (85003)



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	-3	-3	1	-3	-3	-2	-1	-2	-2	-2
January	5	-1	5	7	1	2	-1	-1	-8	0	4
April	-3	3	-2	5	-3	0	1	6	8	-2	-8
July	3	-1	-3	11	0	-4	2	2	-1	-5	-3
October	-1	-6	-7	-1	-4	-5	-2	-5	-5	-4	-2
Q90	27	5	9	39	24	0	20	26	23	27	22
Q75	19	0	10	25	21	9	17	22	15	25	16
Q50	11	-5	4	14	7	2	11	11	4	12	1
Q25	-3	-7	-2	1	-7	-7	-6	-3	-4	-3	-9
Q5	-6	0	-2	-4	-3	-2	-3	-3	-1	-4	0
RP2	6	2	-8	4	1	1	2	3	1	3	1
RP10	-6	-10	-15	-6	-7	-8	-13	-7	-11	-7	-9

Climate change graphs for 2050s

