

## 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



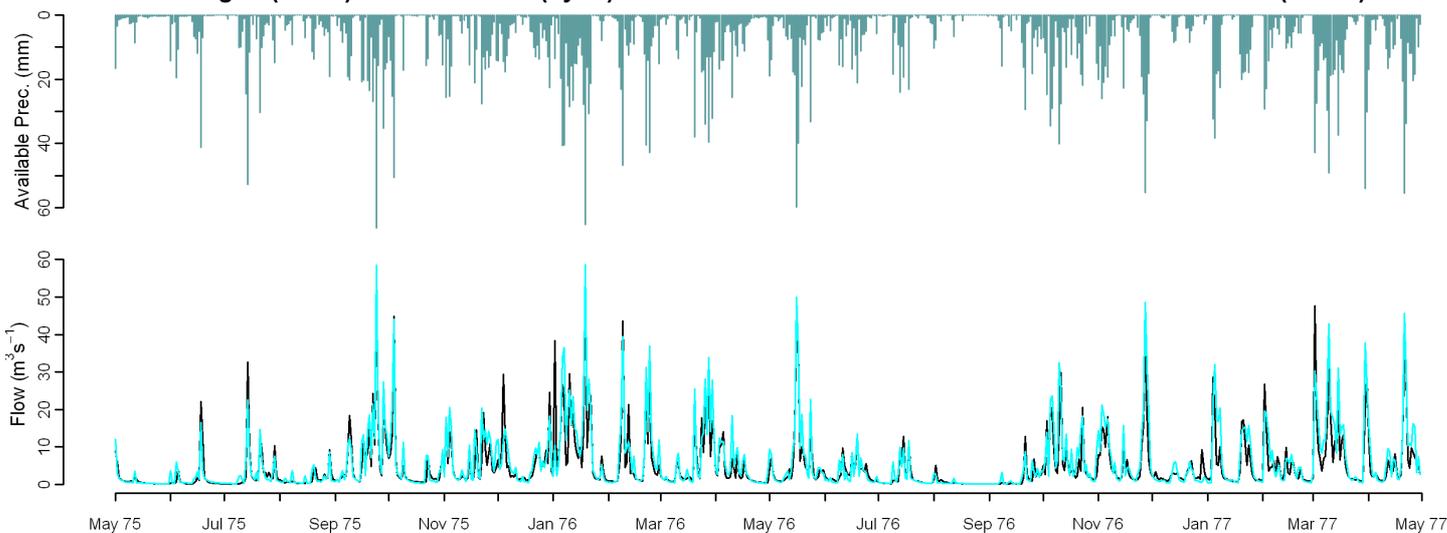
## Observed Data

## Comparison of gauged and simulated flow

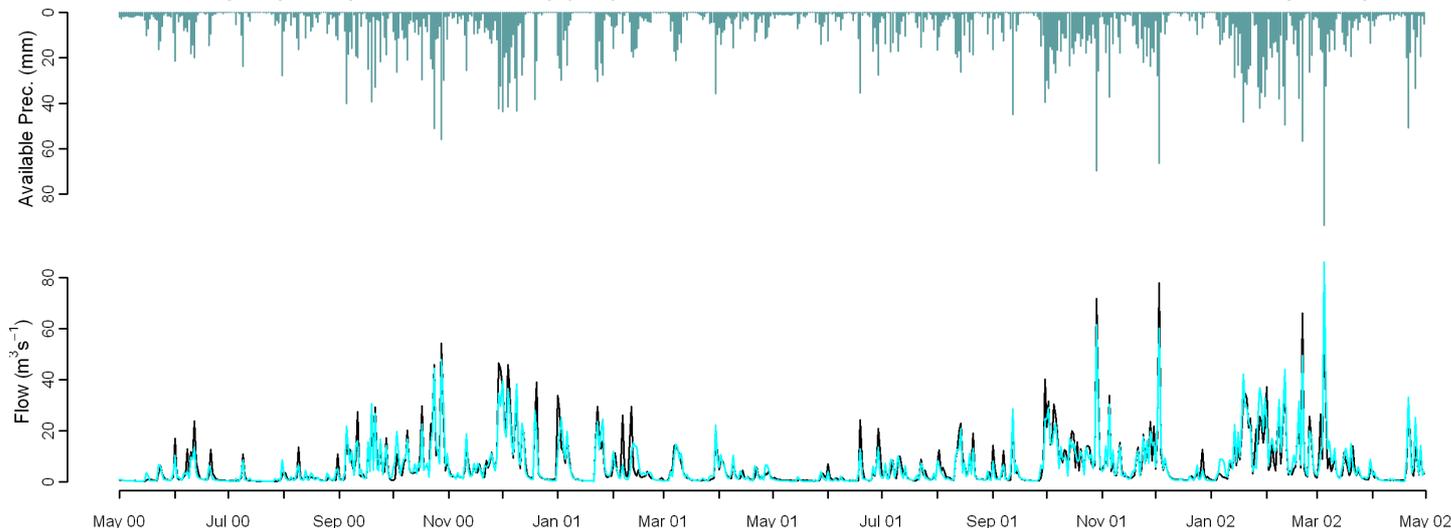
## Model used: PDM

	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					

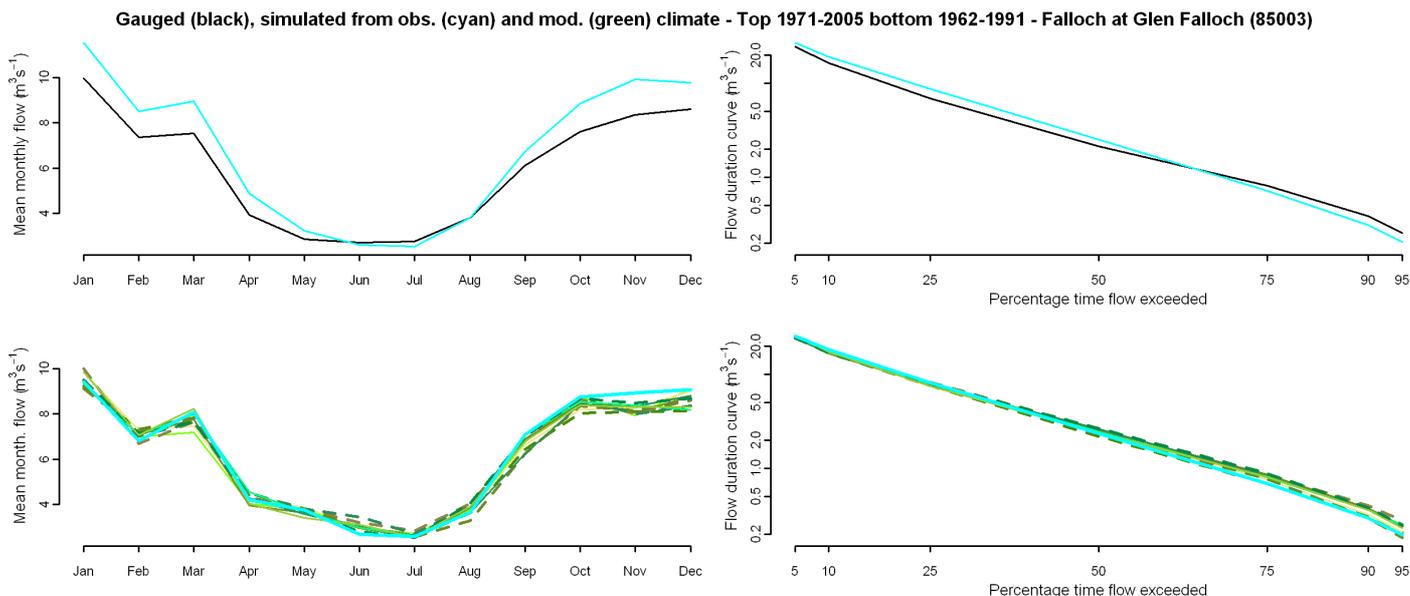
Gauged (black) and simulated (cyan) flows from observed climate - Falloch at Glen Falloch (85003)



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

## Climate change graphs for 2050s

