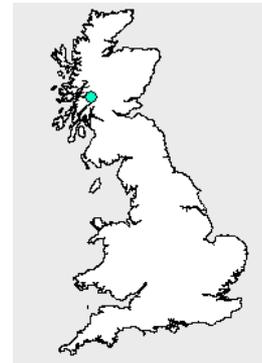


## General Information

River Name	Orchy	Catchment Area (km <sup>2</sup> )	251
Station Name	Glen Orchy	SAAR (mm) 61-90	2713
Station Number	89003	Mean Annual Rain (mm) 62-91	2690
Grid Reference	NN239310	Mean Annual PE (mm) 62-91	437
EA Region	SEPA-SW	Observed flow record	1977 to 2005



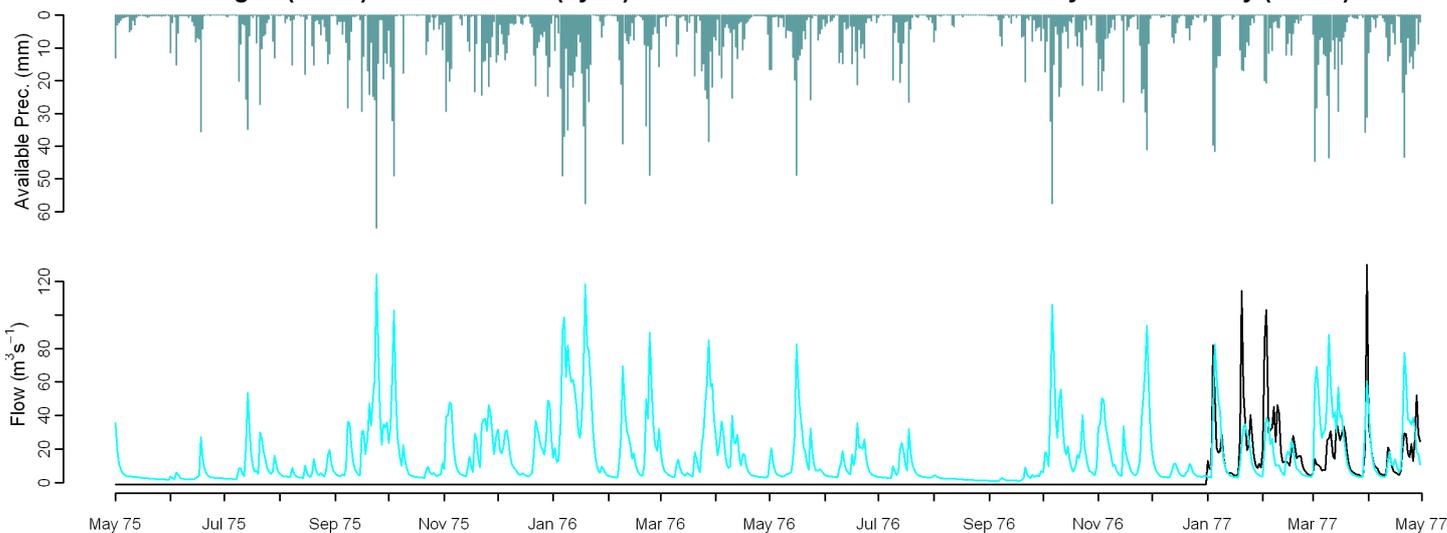
## Observed Data

## Comparison of gauged and simulated flow

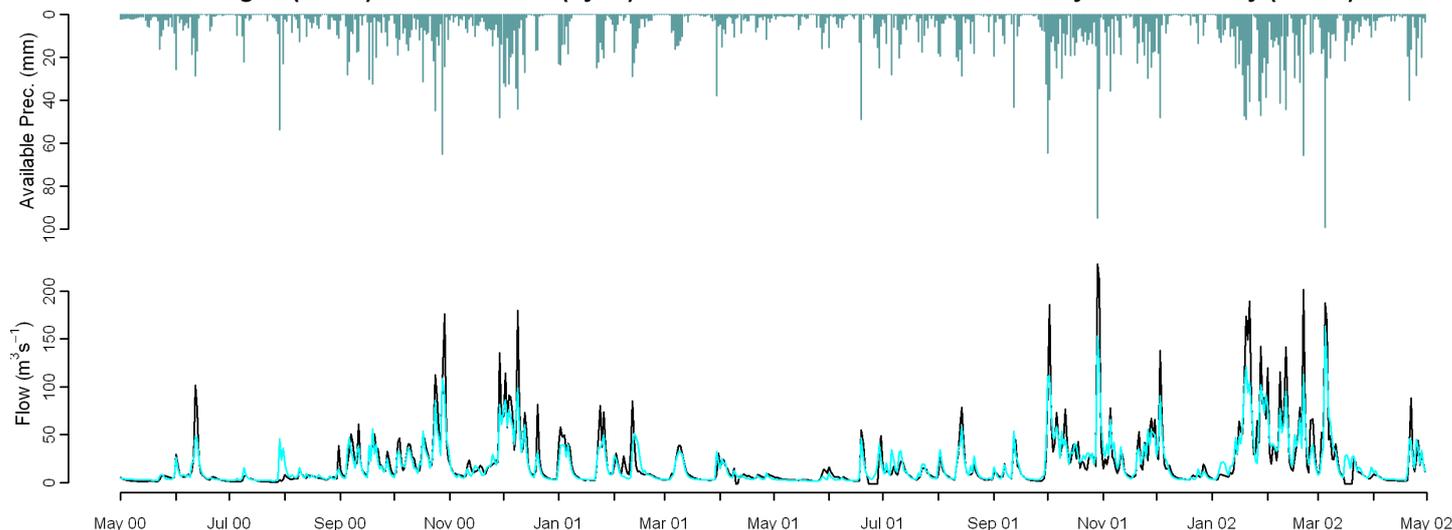
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-10.7	-17.6	-13.0	-12.0	1.9	-2.1	-8.6	-10.4	-7.7	-7.2	-11.0	-6.8	-14.2	0.72
Performance Band	1	2	2	1	1	1	2	2	1	1	2	1	2	1
MORECS (1962-1991)	-11.3	-22.7	-12.9	-11.5	4.0	-2.2	-5.3	-14.5	-8.8	-8.3	-5.1	-6.4	-14.0	0.70
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	33.7	-8.5	4.0	13.1	-19.6									
Performance Band	1	1	1	1	3									
MORECS (1962-1991)	30.4	-12.5	1.3	11.4	-19.6									

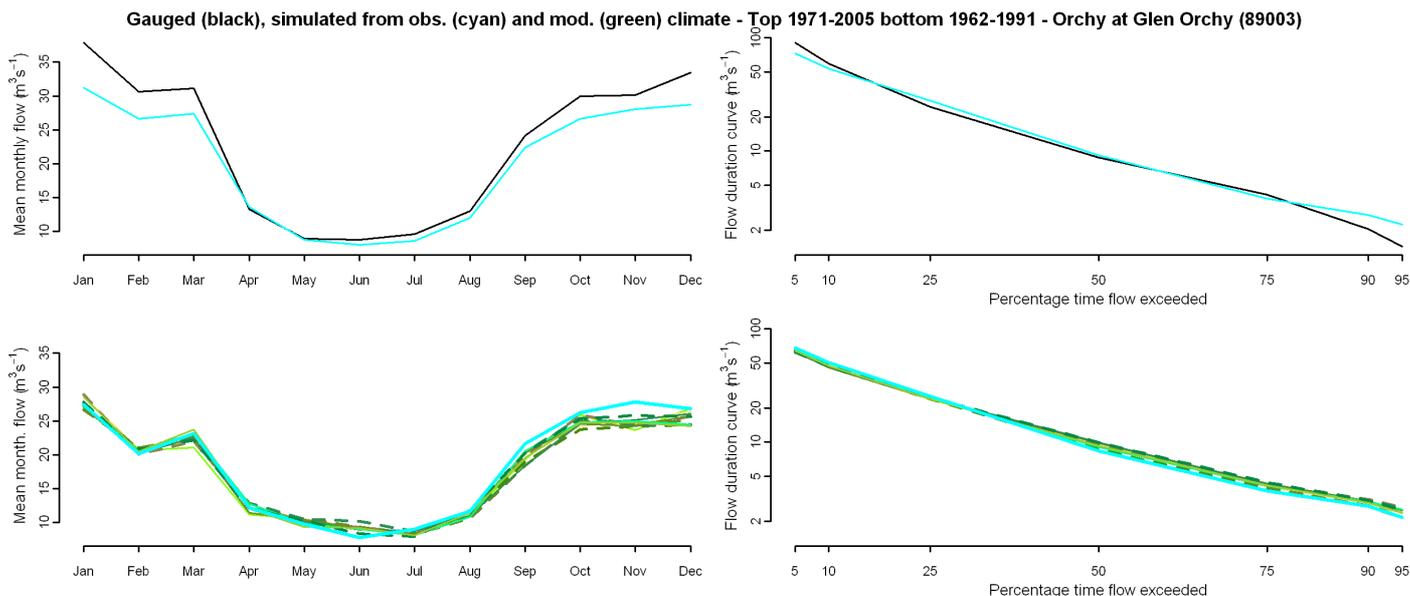
Gauged (black) and simulated (cyan) flows from observed climate - Orchy at Glen Orchy (89003)



Gauged (black) and simulated (cyan) flows from observed climate - Orchy at Glen Orchy (89003)



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

## Climate change graphs for 2050s

