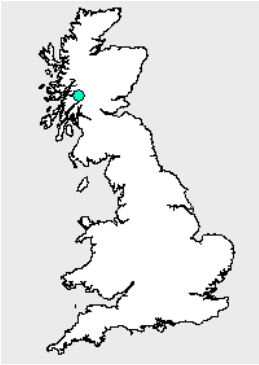


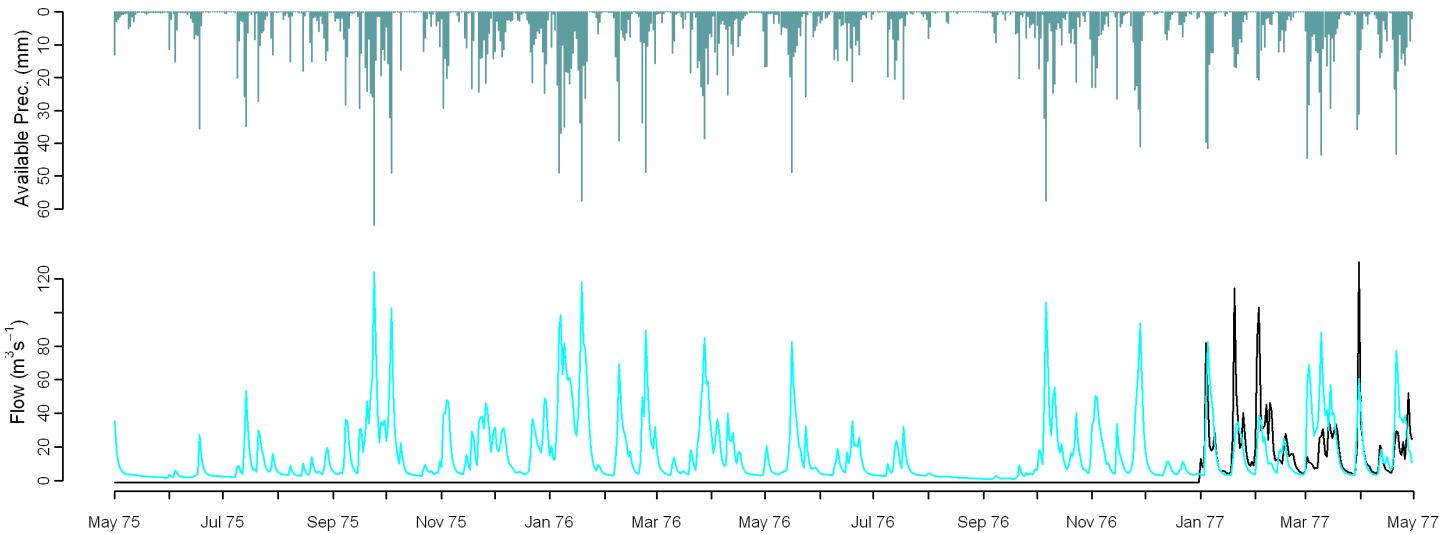
General Information

River Name	Orchy	Catchment Area (km2)	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

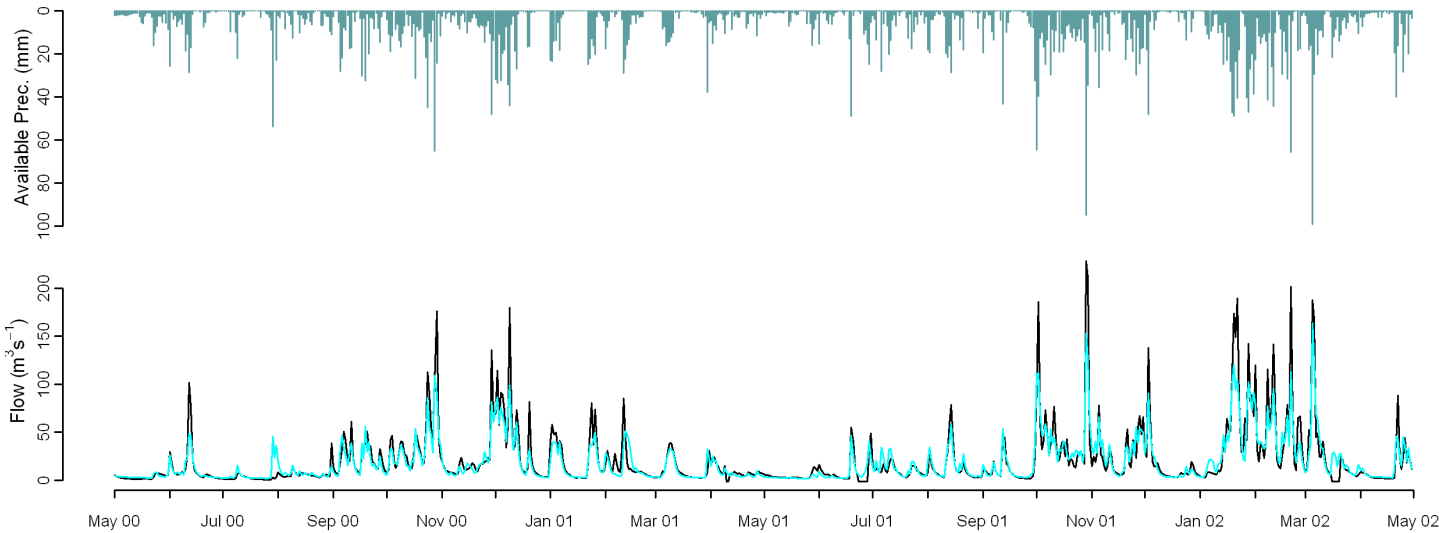


Observed Data	Comparison of gauged and simulated flow													Model used: CERF
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-10.7	-17.6	-13.0	-12.0	1.9	-2.1	-8.6	-10.4	-7.7	-7.2	-11.0	-6.8	-14.2	0.72
Performance Band	1	2	2	1	1	1	2	2	1	1	2	1	2	1
MORECS (1962-1991)	-11.3	-22.7	-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									

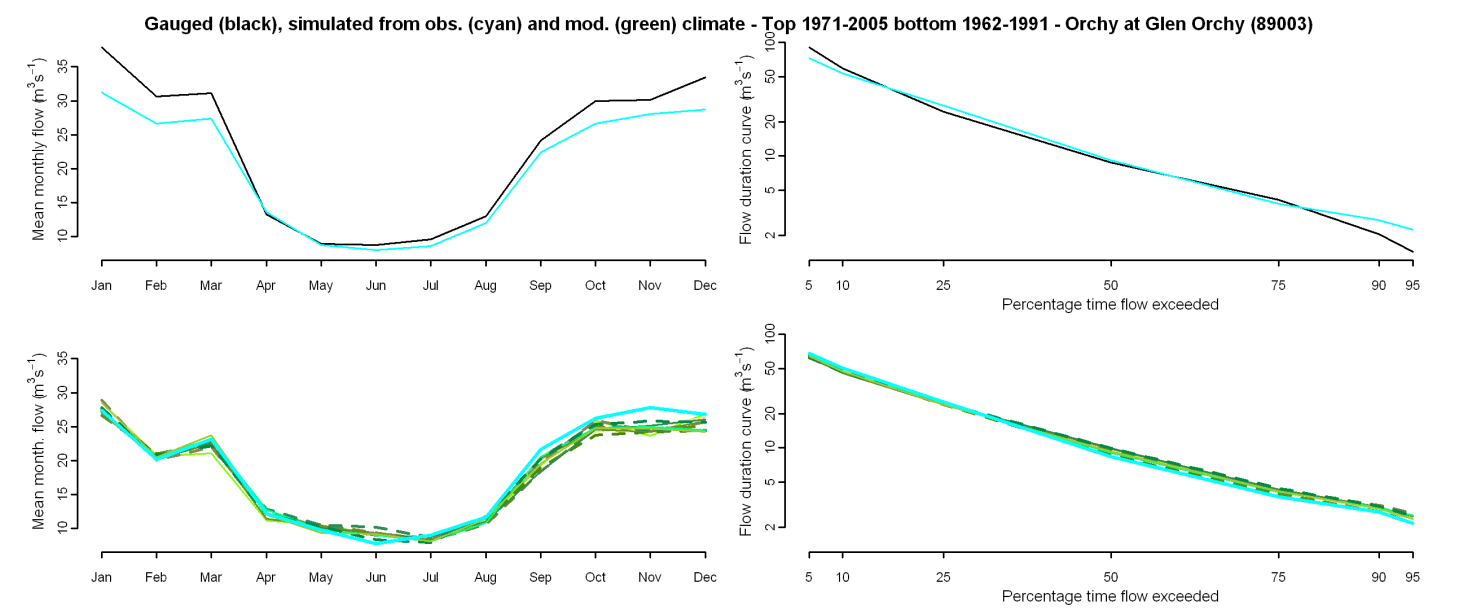
Gauged (black) and simulated (cyan) flows from observed climate - Orchy at Glen Orchy (89003)



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

Climate change graphs for 2050s

