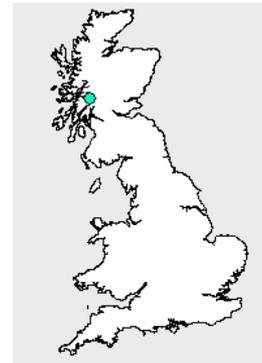


## General Information

River Name	Eas a' Ghail	Catchment Area (km2)	10
Station Name	Sucboth	SAAR (mm) 61-90	3066
Station Number	89009	Mean Annual Rain (mm) 62-91	3098
Grid Reference	NN209265	Mean Annual PE (mm) 62-91	436
EA Region	SEPA-SW	Observed flow record	1981 to 1993



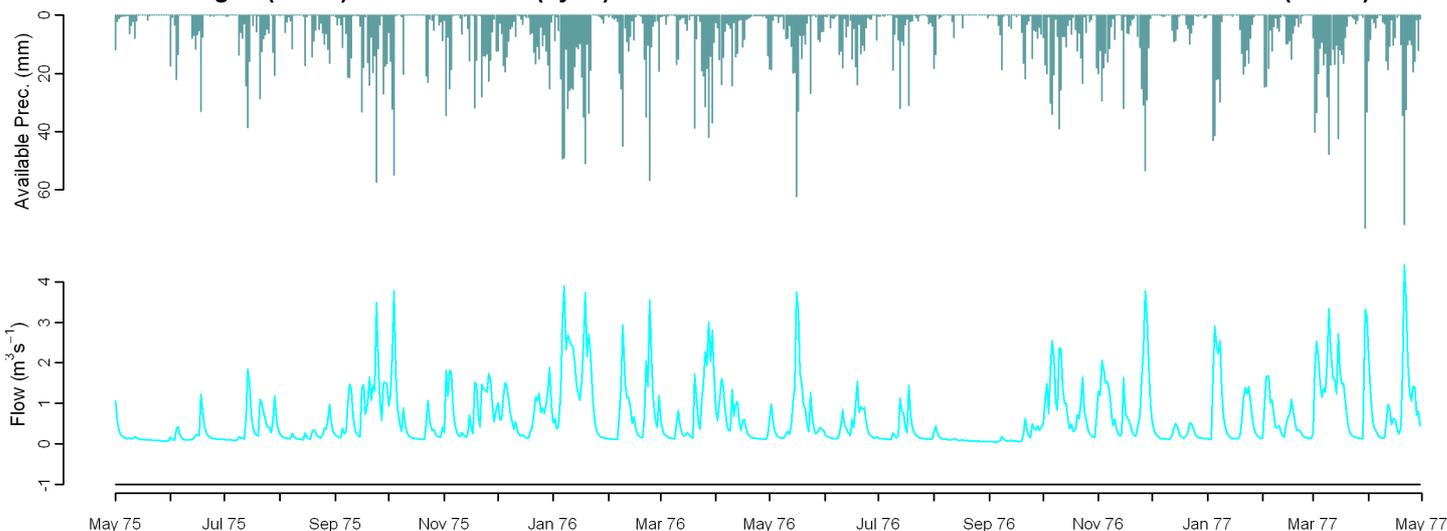
## Observed Data

## Comparison of gauged and simulated flow

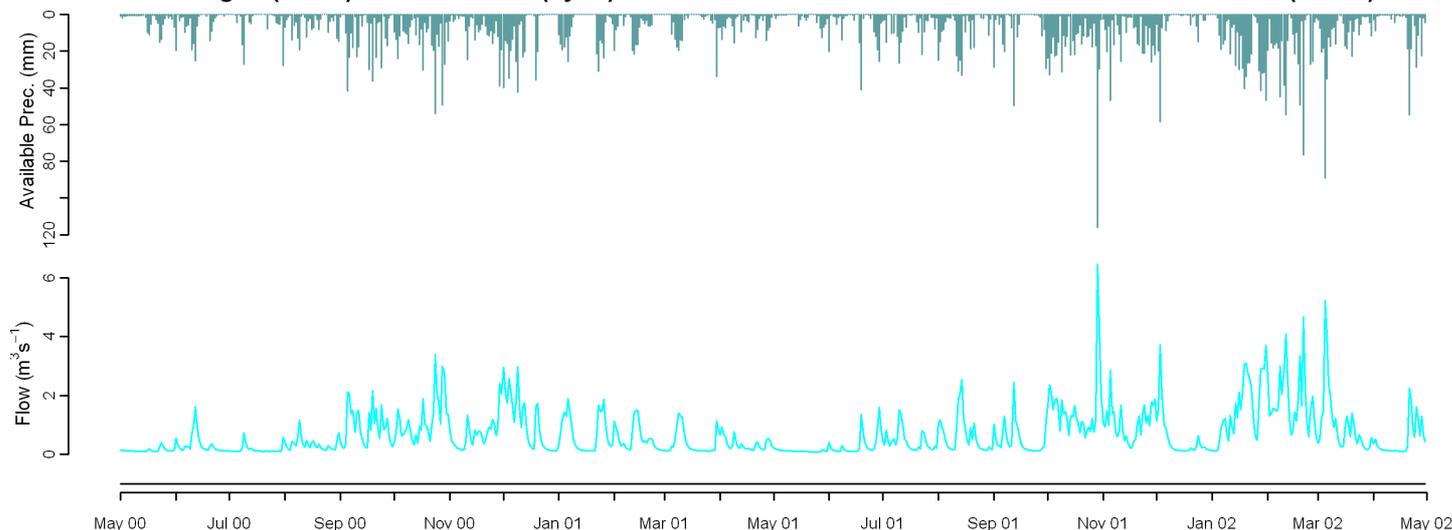
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	9.9	10.2	5.1	28.0	37.6	16.3	6.6	5.4	6.9	6.1	19.7	18.7	1.1	0.68
Performance Band	2	2	1	2	2	2	1	1	1	1	2	2	1	1
MORECS (1962-1991)	9.9	7.0	-2.5	15.6	23.4	16.3	6.6	5.4	4.1	4.8	19.6	16.2	1.5	0.71
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	92.5	21.6	16.7	27.6	0.5									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	79.4	17.7	13.7	26.1	-0.6									

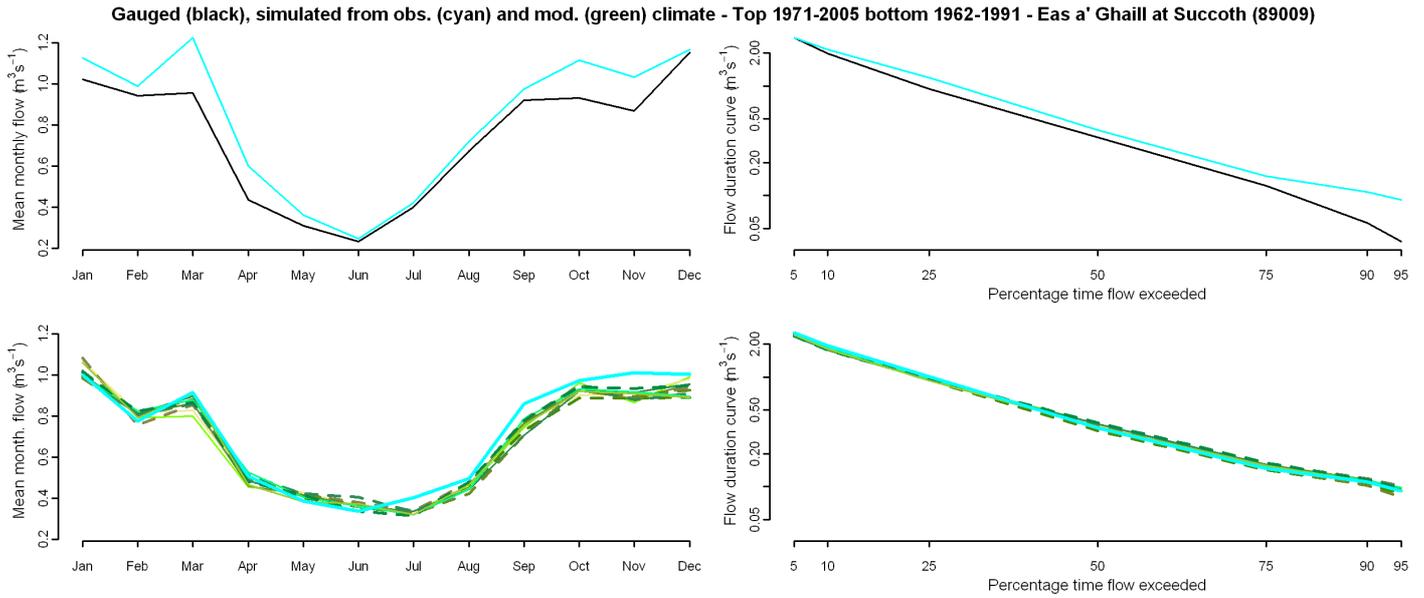
Gauged (black) and simulated (cyan) flows from observed climate - Eas a' Ghail at Sucboth (89009)



Gauged (black) and simulated (cyan) flows from observed climate - Eas a' Ghail at Sucboth (89009)



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	-3	-4	-3	0	-4	-5	-3	-2	-3	-3	-4
January	7	4	7	6	0	2	-2	1	-4	0	12
April	-10	-1	-7	-1	-7	-4	-4	0	4	-5	-10
July	-15	-16	-18	-9	-19	-19	-10	-15	-20	-21	-21
October	0	-3	-7	1	-4	-3	-1	-3	-2	-2	-2
Q90	4	-4	0	9	3	-6	2	6	4	6	1
Q75	8	-2	3	12	8	1	8	11	6	12	6
Q50	8	-5	3	11	7	1	9	9	4	10	3
Q25	-5	-6	-4	-3	-7	-8	-7	-4	-5	-6	-7
Q5	-8	-2	-5	-6	-5	-4	-6	-6	-4	-7	-4
RP2	0	1	-6	0	-2	-4	-3	2	-1	-2	4
RP10	-7	-6	-14	-7	-6	-9	-13	-2	-8	-5	-1

Climate change graphs for 2050s

