

## General Information

River Name	Glaslyn	Catchment Area (km <sup>2</sup> )	69
Station Name	Beddgelert	SAAR (mm) 61-90	2813
Station Number	65001	Mean Annual Rain (mm) 62-91	2903
Grid Reference	SH592478	Mean Annual PE (mm) 62-91	530
EA Region	EA-W	Observed flow record	1962 to 2003



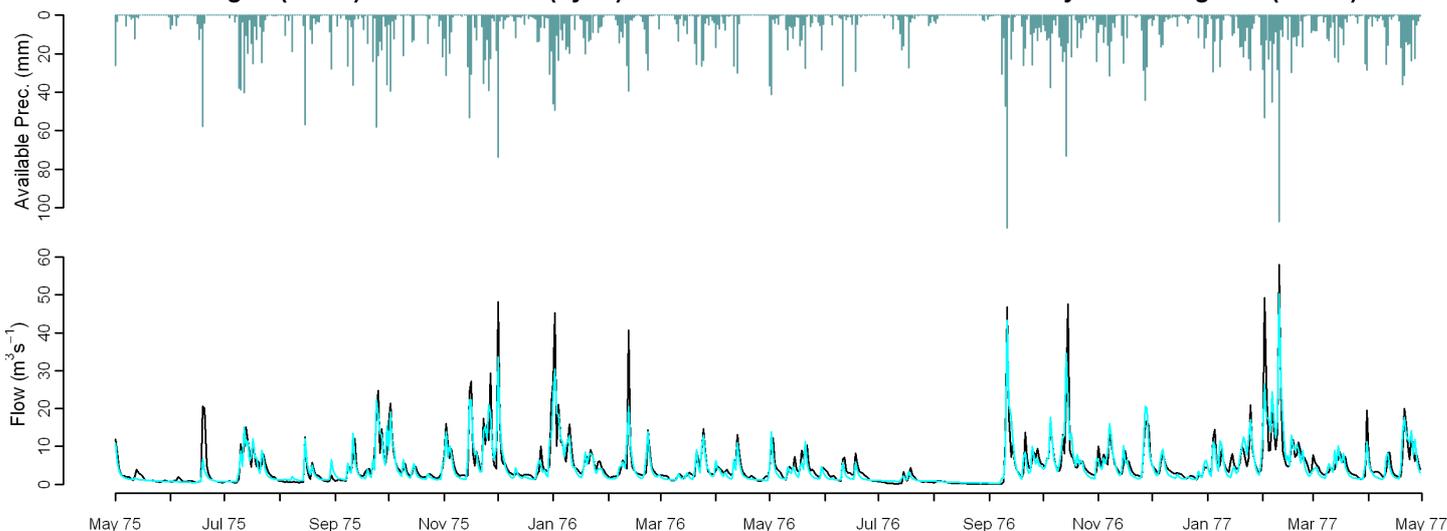
## Observed Data

## Comparison of gauged and simulated flow

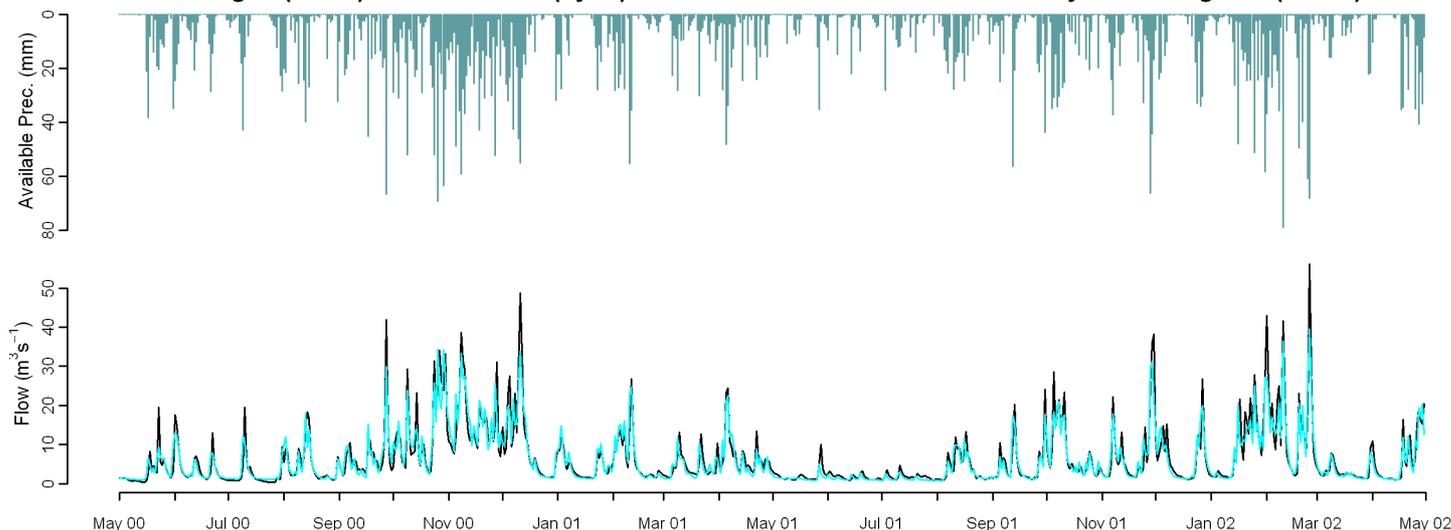
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-5.1	-7.0	-5.0	-6.8	-10.8	-16.0	-17.8	-10.5	-8.8	-5.3	-4.3	-1.1	-2.9	0.79
Performance Band	1	1	1	1	1	2	2	1	1	1	1	1	1	1
MORECS (1962-1991)	-6.5	-5.8	-4.5	-7.6	-7.1	-12.9	-15.0	-10.7	-7.2	-5.5	-2.9	-3.5	-4.2	0.78
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	18.0	-17.9	-17.4	3.7	-7.0									
Performance Band	1	1	1	1	2									
MORECS (1962-1991)	21.1	-13.5	-17.4	3.7	-6.4									

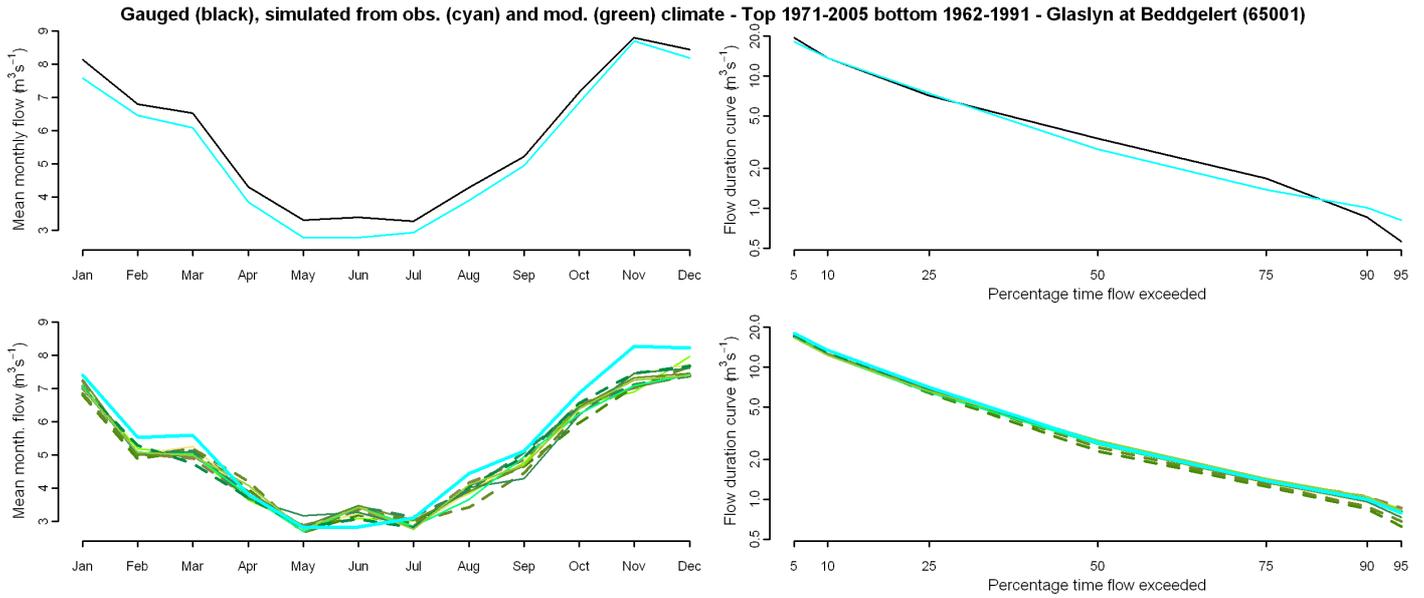
Gauged (black) and simulated (cyan) flows from observed climate - Glaslyn at Beddgelert (65001)



Gauged (black) and simulated (cyan) flows from observed climate - Glaslyn at Beddgelert (65001)



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

Climate change graphs for 2050s

