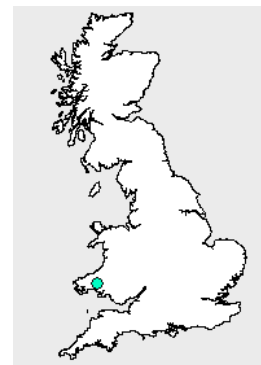


## General Information

River Name	Gwili	Catchment Area (km2)	130
Station Name	Glangwili	SAAR (mm) 61-90	1603
Station Number	60006	Mean Annual Rain (mm) 62-91	1631
Grid Reference	SN431220	Mean Annual PE (mm) 62-91	612
EA Region	EA-W	Observed flow record	1968 to 2005



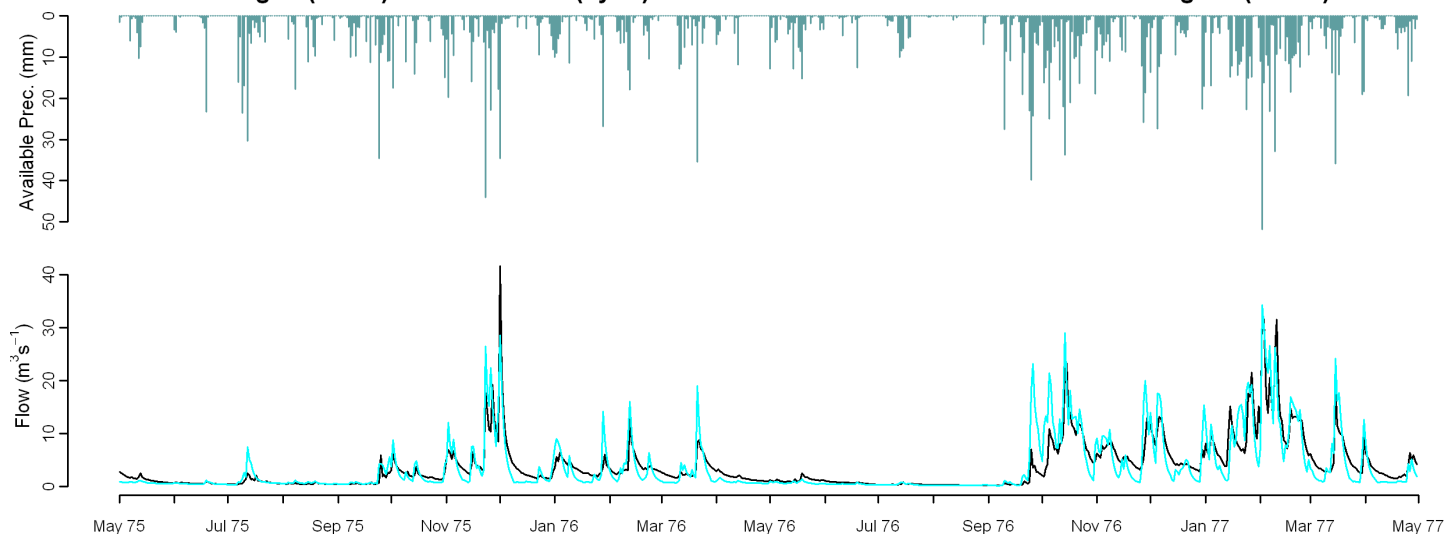
## Observed Data

## Comparison of gauged and simulated flow

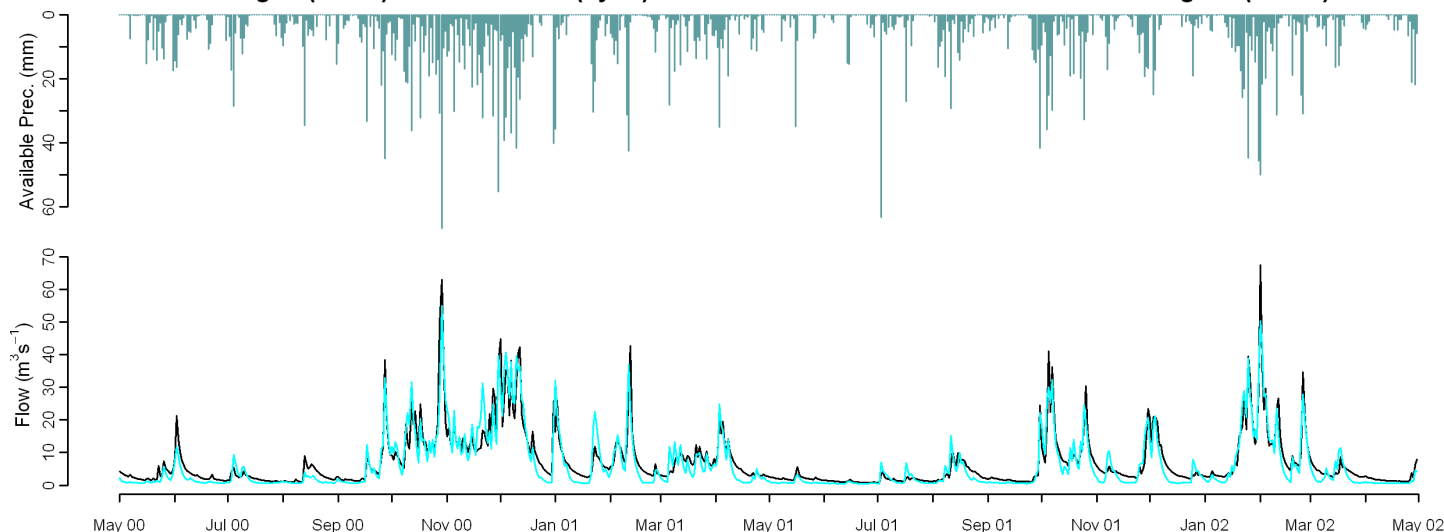
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-7.1	-2.2	-6.3	-13.9	-21.8	-24.9	-24.6	-16.1	-3.4	5.2	2.1	-4.4	-4.5	0.77
Performance Band	1	1	1	2	2	3	2	2	1	2	1	1	1	1
MORECS (1962-1991)	-6.7	-3.7	-7.3	-12.5	-26.2	-27.1	-21.7	-12.9	-0.6	13.7	3.5	-5.4	-4.7	0.78
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-20.3	-45.7	-52.5	-3.7	16.8									
Performance Band	1	1	2	2	1									
MORECS (1962-1991)	-13.0	-39.9	-51.4	-6.4	15.4									

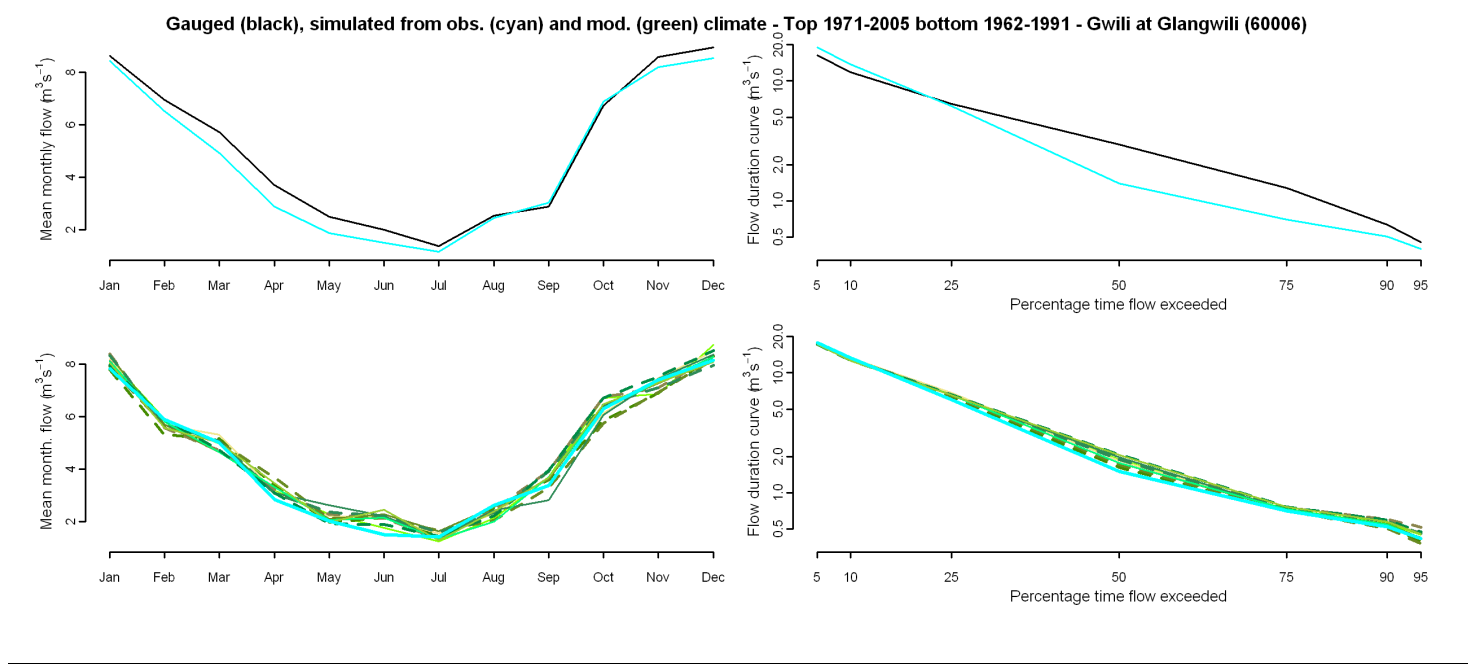
Gauged (black) and simulated (cyan) flows from observed climate - Gwili at Glangwili (60006)



Gauged (black) and simulated (cyan) flows from observed climate - Gwili at Glangwili (60006)



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	4	2	4	6	3	2	2	5	2	3	4
January	7	-1	8	6	6	4	3	7	4	-1	6
April	10	17	9	22	16	28	15	12	11	9	19
July	-13	15	25	-2	7	25	-3	18	-7	-3	-10
October	7	1	-6	10	-1	-3	4	4	3	8	3
Q90	6	-1	4	16	2	-4	-1	11	2	11	10
Q75	3	1	3	8	1	-1	2	4	2	6	7
Q50	27	8	19	32	15	12	32	26	17	35	37
Q25	12	6	12	13	7	9	10	13	9	9	9
Q5	-3	0	-2	-1	0	-1	-4	1	-3	-4	-3
RP2	-10	-6	-9	-2	-5	-7	-7	-7	-6	-9	-6
RP10	-9	-5	-5	1	3	-9	-9	-11	6	-6	-7

Climate change graphs for 2050s

