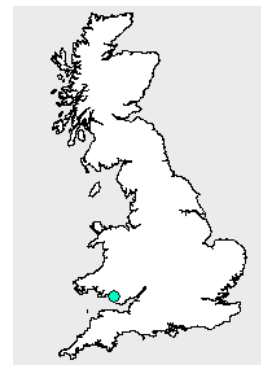


General Information

River Name	Ogmore	Catchment Area (km2)	74
Station Name	Brynmenyn	SAAR (mm) 61-90	1986
Station Number	58005	Mean Annual Rain (mm) 62-91	1942
Grid Reference	SS904844	Mean Annual PE (mm) 62-91	614
EA Region	EA-W	Observed flow record	1970 to 2005



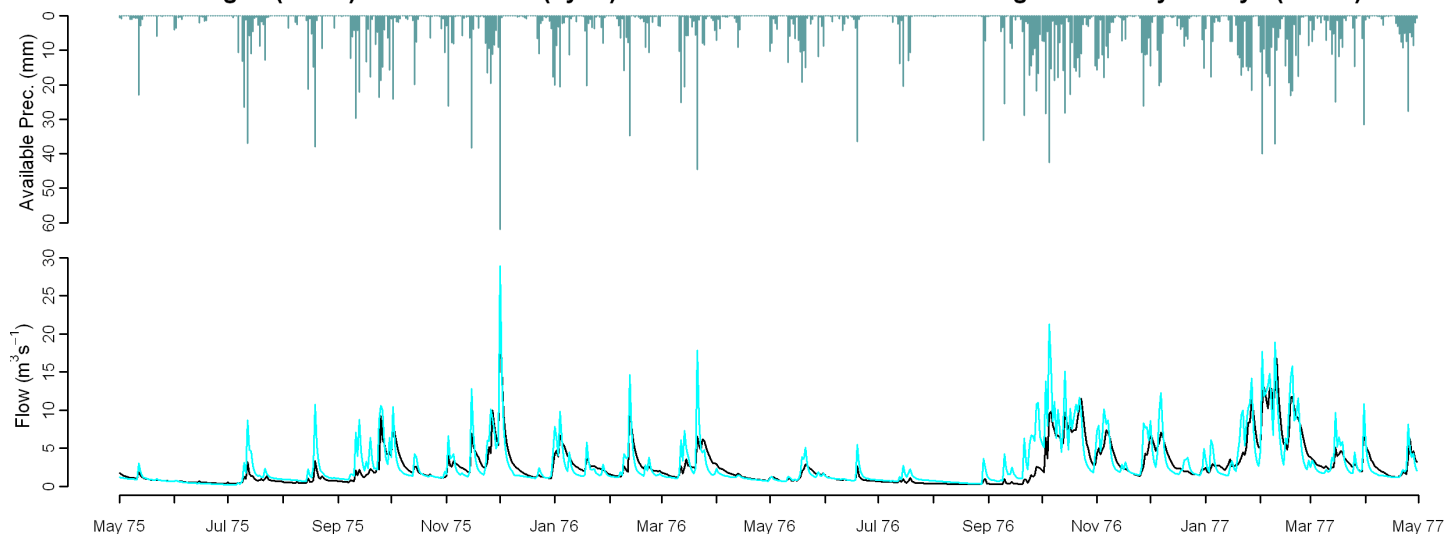
Observed Data

Comparison of gauged and simulated flow

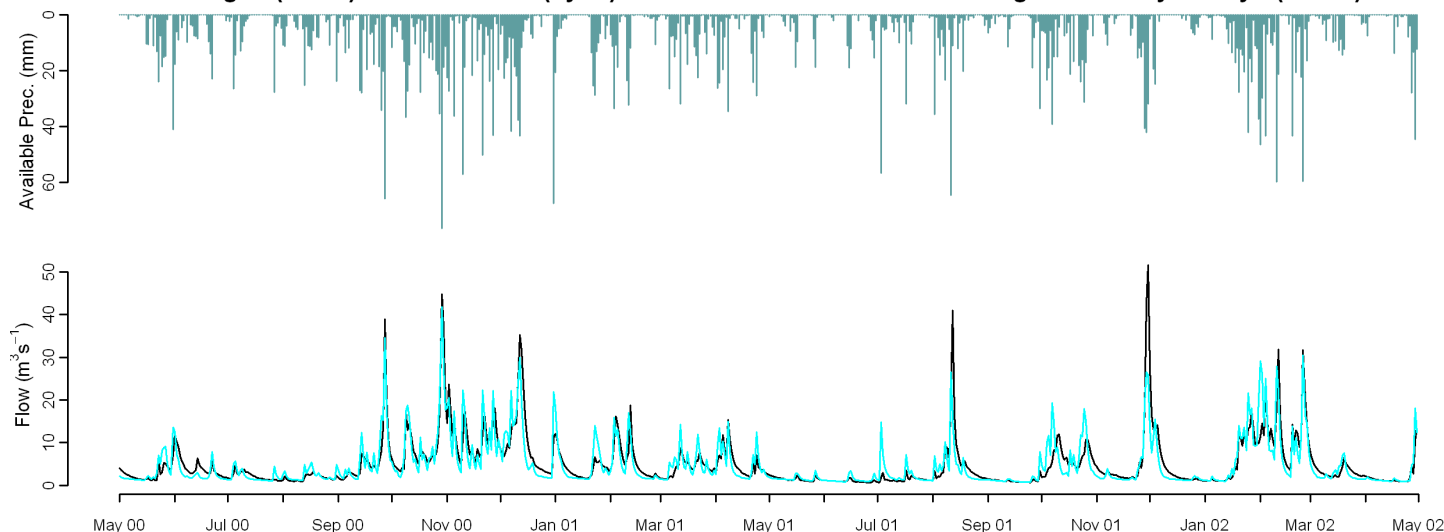
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-0.3	-3.1	-8.0	-9.8	-6.4	1.5	2.5	14.0	17.0	21.2	8.9	-2.8	-5.7	0.67
Performance Band	1	1	2	1	2	1	1	1	2	2	1	1	1	1
MORECS (1962-1991)	1.5	-4.7	-7.5	-6.2	-9.1	2.1	10.2	16.1	19.3	28.5	5.4	-2.6	-2.3	0.65
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	20.3	1.3	-20.1	-6.8	16.6									
Performance Band	1	1	1	2	1									
MORECS (1962-1991)	24.8	8.5	-18.7	-6.2	19.9									

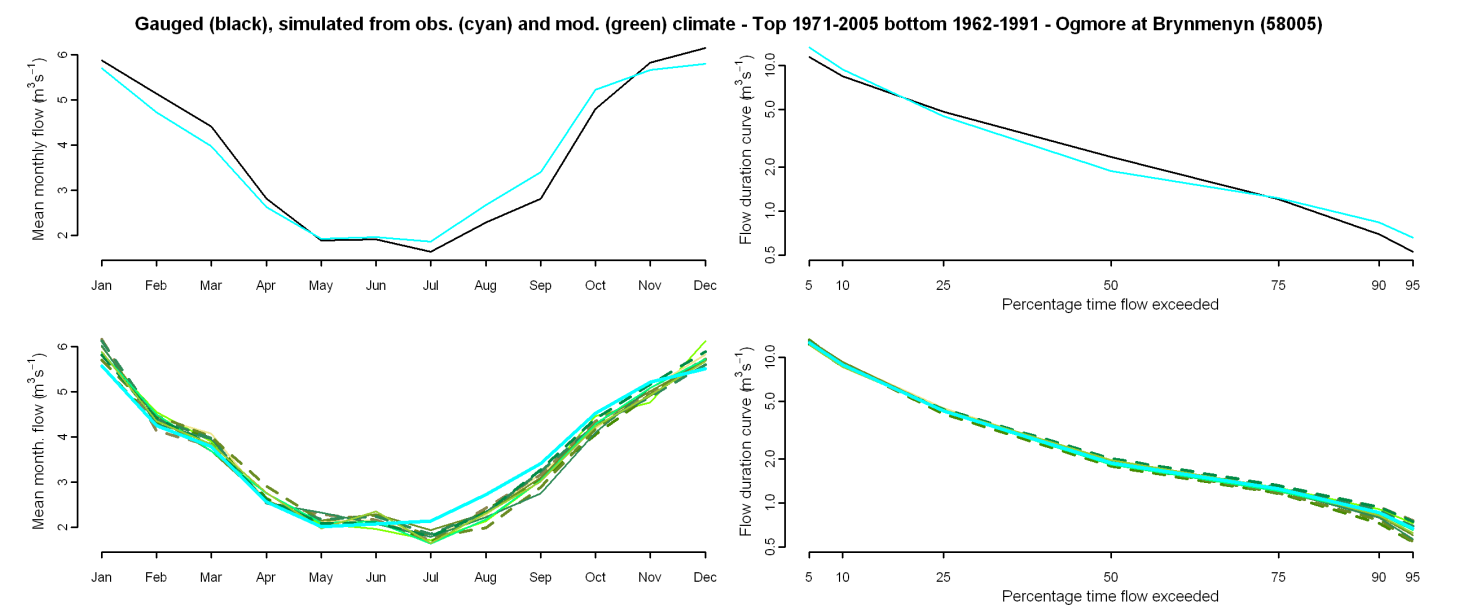
Gauged (black) and simulated (cyan) flows from observed climate - Ogmore at Brynmenyn (58005)



Gauged (black) and simulated (cyan) flows from observed climate - Ogmore at Brynmenyn (58005)



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	1	-1	1	2	0	0	-1	1	-1	0	0
January	6	0	11	9	8	6	7	12	5	2	9
April	0	-1	2	5	1	13	2	2	4	1	8
July	-19	-18	-14	-16	-15	-13	-16	-10	-21	-20	-23
October	-1	-3	-9	-1	-7	-3	-2	-6	-2	-1	-6
Q90	5	-17	-8	10	-10	-13	-9	3	-3	5	-4
Q75	2	-8	-2	3	-6	-7	-3	2	-4	3	1
Q50	2	-5	1	3	-2	-1	3	4	-3	6	4
Q25	0	-4	5	1	-2	1	1	2	-2	2	1
Q5	-1	5	0	2	2	3	-1	3	1	-3	-3
RP2	-1	8	3	10	0	0	5	-1	11	4	5
RP10	-4	-1	-7	3	-7	-3	-1	-4	9	-5	-4

Climate change graphs for 2050s

