

General Information

River Name	Tawe	Catchment Area (km ²)	228
Station Name	Ynystanglws	SAAR (mm) 61-90	1897
Station Number	59001	Mean Annual Rain (mm) 62-91	1905
Grid Reference	SS685998	Mean Annual PE (mm) 62-91	572
EA Region	EA-W	Observed flow record	1962 to 2006



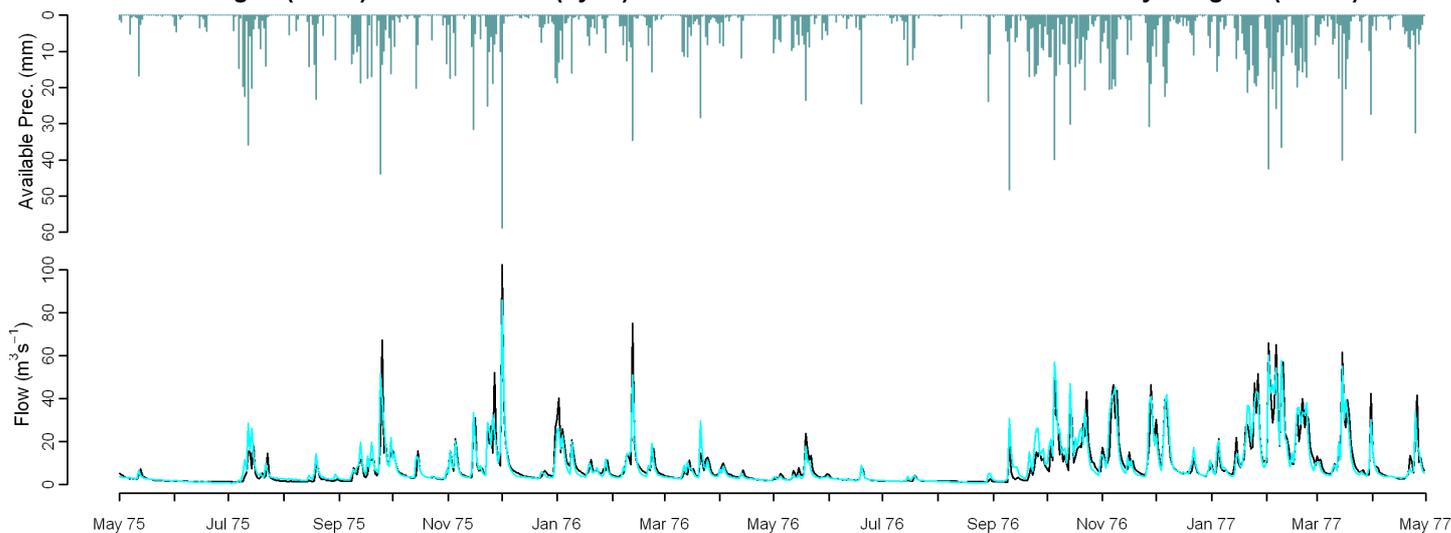
Observed Data

Comparison of gauged and simulated flow

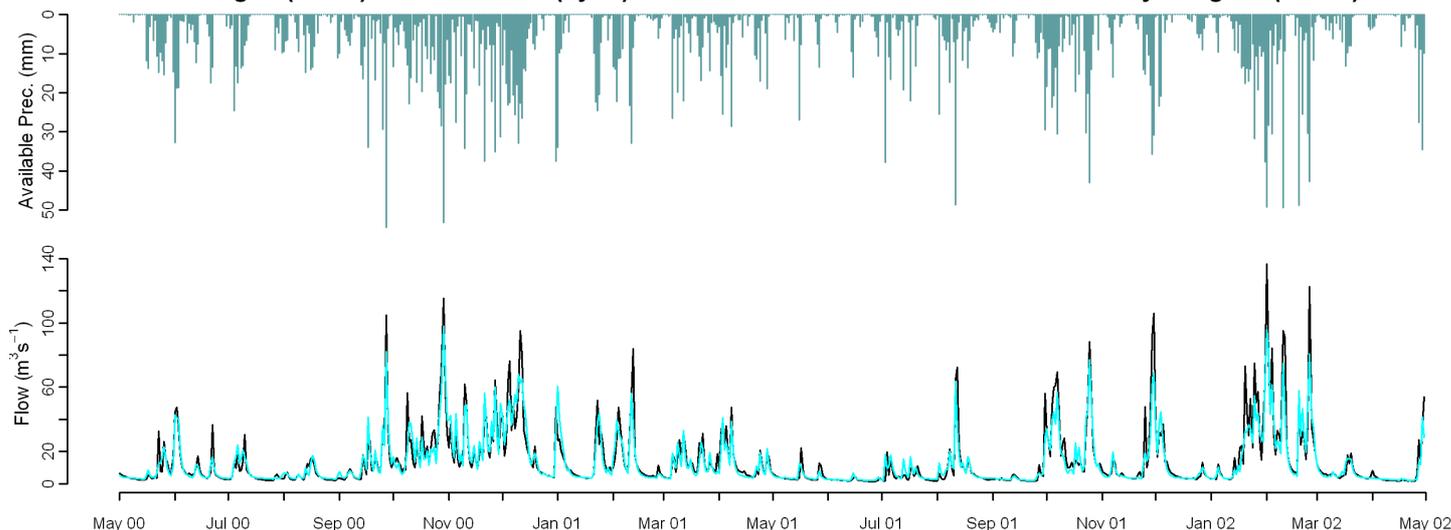
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-7.9	-11.0	-11.0	-12.6	-15.2	-17.3	-11.3	-6.7	-2.2	1.8	-4.1	-9.3	-5.2	0.81
Performance Band	1	1	2	1	2	2	1	1	1	1	1	1	1	1
MORECS (1962-1991)	-8.3	-11.0	-11.7	-10.6	-15.2	-19.3	-11.5	-9.1	-6.0	0.4	-5.7	-6.7	-7.1	0.80
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	10.4	-3.8	-21.1	-6.6	-3.9									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	12.6	-0.5	-20.6	-9.3	-4.6									

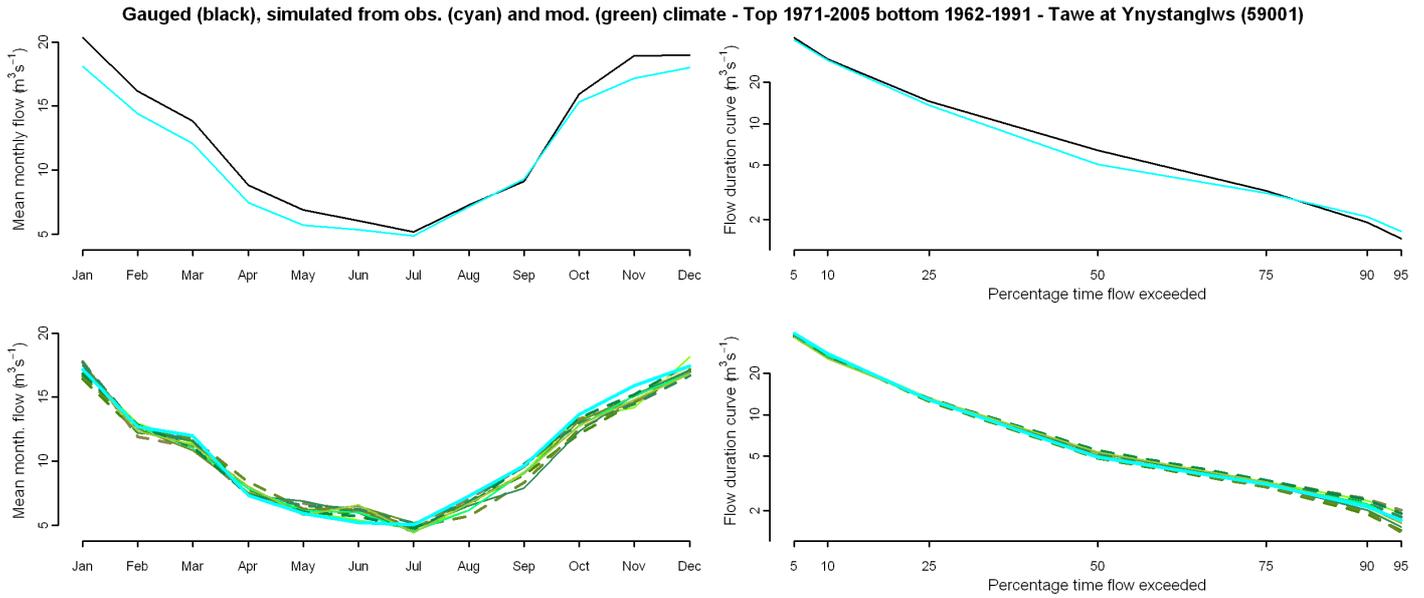
Gauged (black) and simulated (cyan) flows from observed climate - Tawe at Ynystanglws (59001)



Gauged (black) and simulated (cyan) flows from observed climate - Tawe at Ynystanglws (59001)



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

Climate change graphs for 2050s

