

## General Information

River Name	Cothi	Catchment Area (km2)	298
Station Name	Felin Mynachdy	SAAR (mm) 61-90	1552
Station Number	60002	Mean Annual Rain (mm) 62-91	1571
Grid Reference	SN508225	Mean Annual PE (mm) 62-91	574
EA Region	EA-W	Observed flow record	1962 to 2005



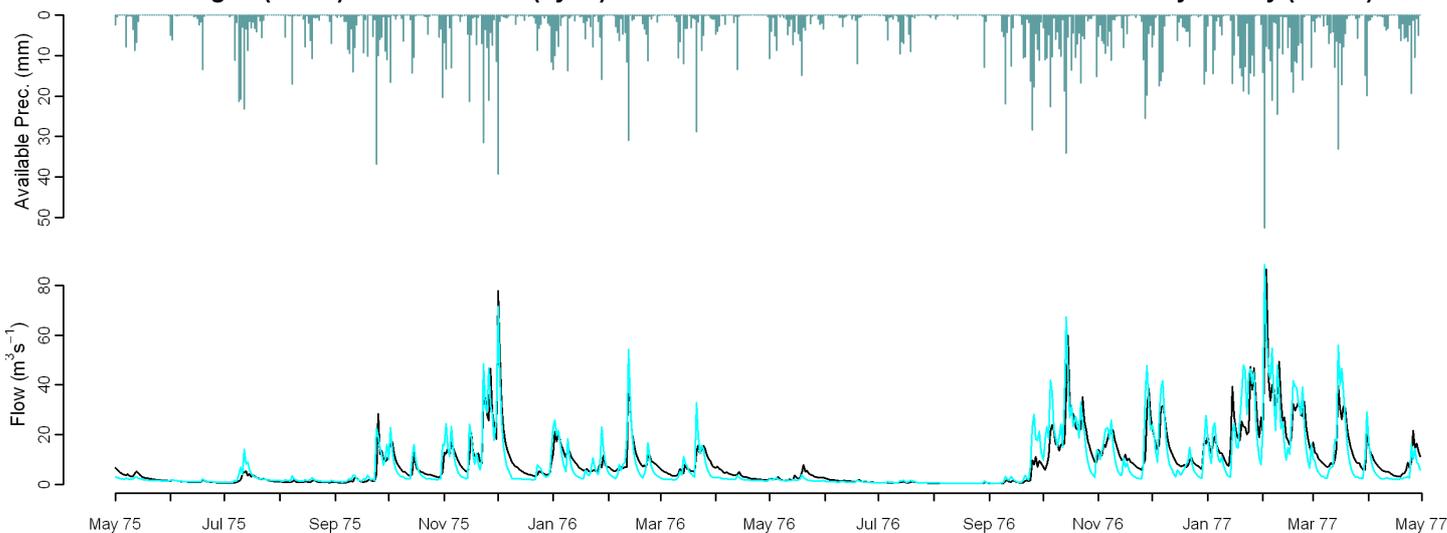
## Observed Data

## Comparison of gauged and simulated flow

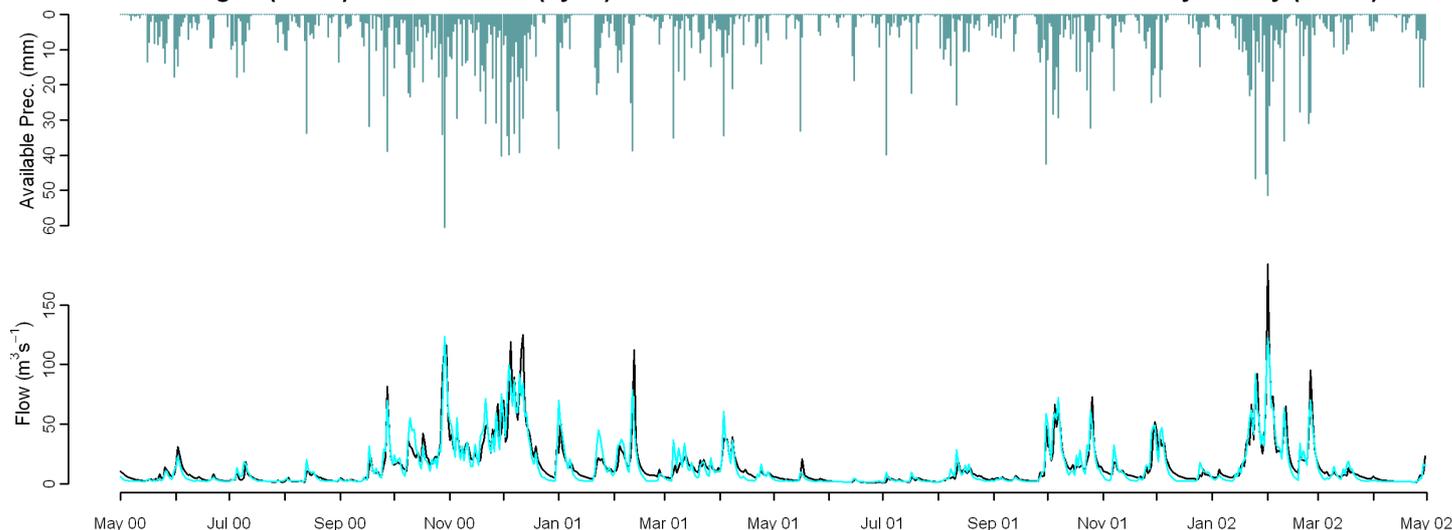
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-7.2	-5.1	-11.2	-13.0	-18.7	-22.6	-18.9	-8.1	-1.2	5.4	1.1	-3.6	-5.4	0.79
Performance Band	1	1	2	2	2	3	2	2	1	1	1	1	1	1
MORECS (1962-1991)	-9.6	-5.3	-11.7	-13.8	-24.5	-28.6	-19.2	-10.8	-9.6	3.0	-1.0	-6.1	-8.8	0.78
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	8.0	-26.5	-40.8	-7.5	10.5									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	2.2	-31.9	-43.9	-11.0	8.8									

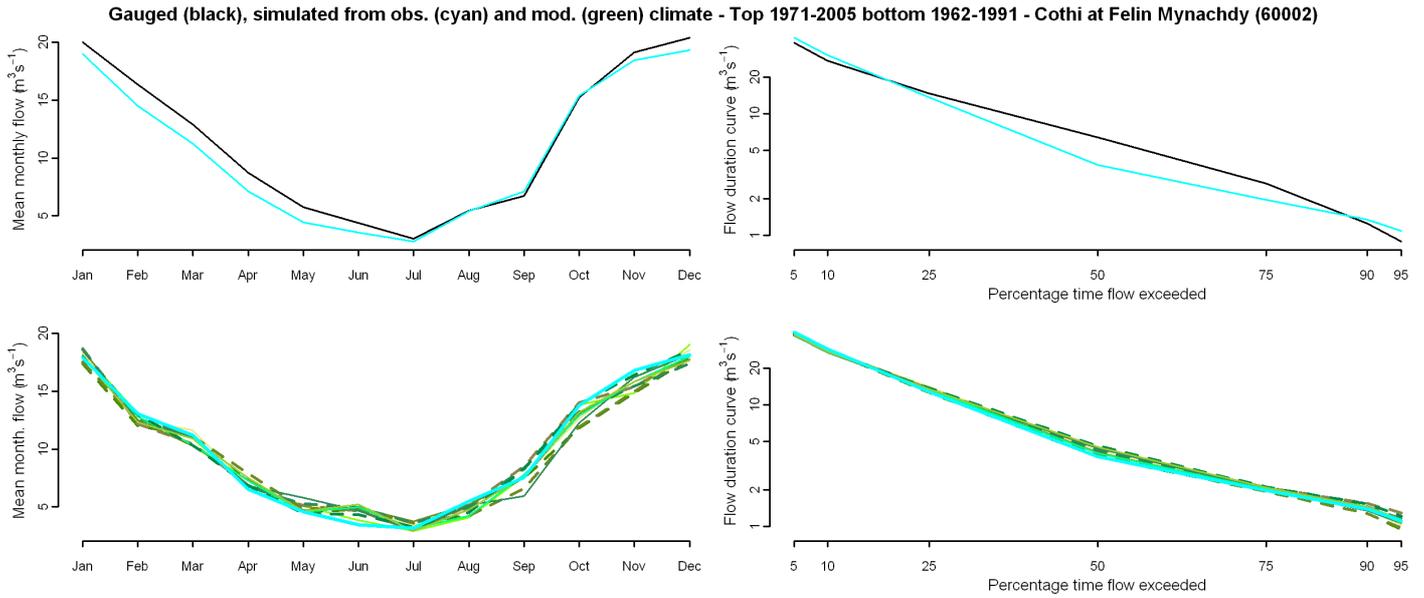
Gauged (black) and simulated (cyan) flows from observed climate - Cothi at Felin Mynachdy (60002)



Gauged (black) and simulated (cyan) flows from observed climate - Cothi at Felin Mynachdy (60002)



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

Climate change graphs for 2050s

