

## General Information

River Name	Fal	Catchment Area (km <sup>2</sup> )	87
Station Name	Tregony	SAAR (mm) 61-90	1215
Station Number	48003	Mean Annual Rain (mm) 62-91	1214
Grid Reference	SW921447	Mean Annual PE (mm) 62-91	626
EA Region	EA-SW	Observed flow record	1978 to 2005



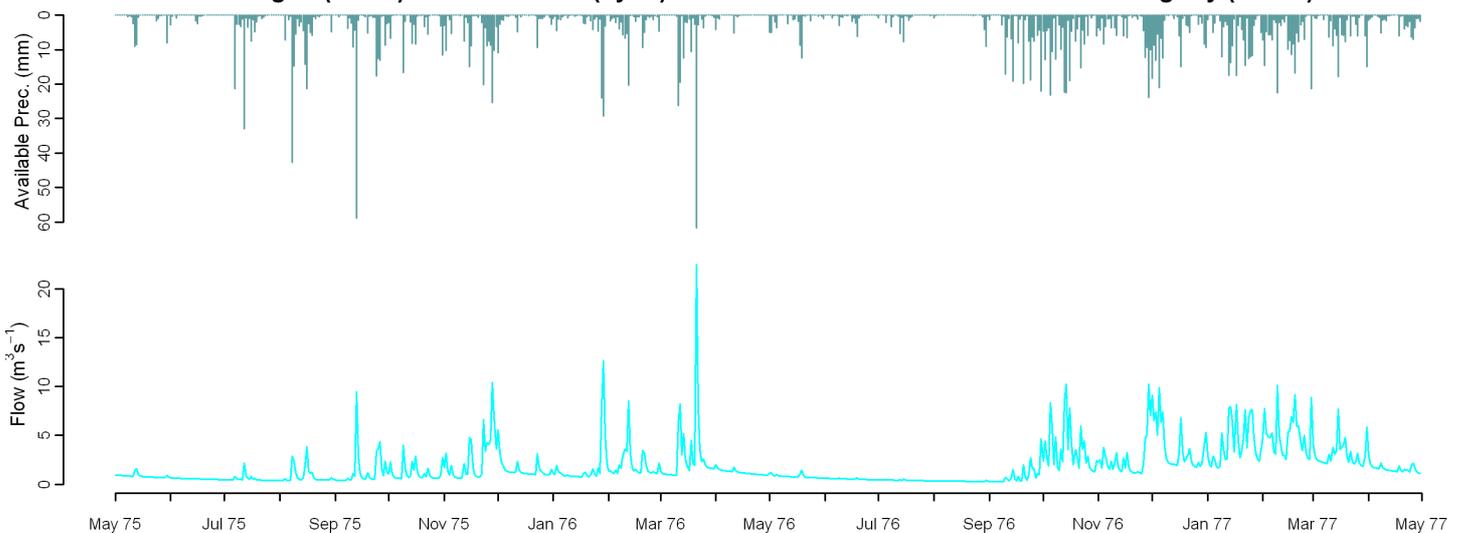
## Observed Data

## Comparison of gauged and simulated flow

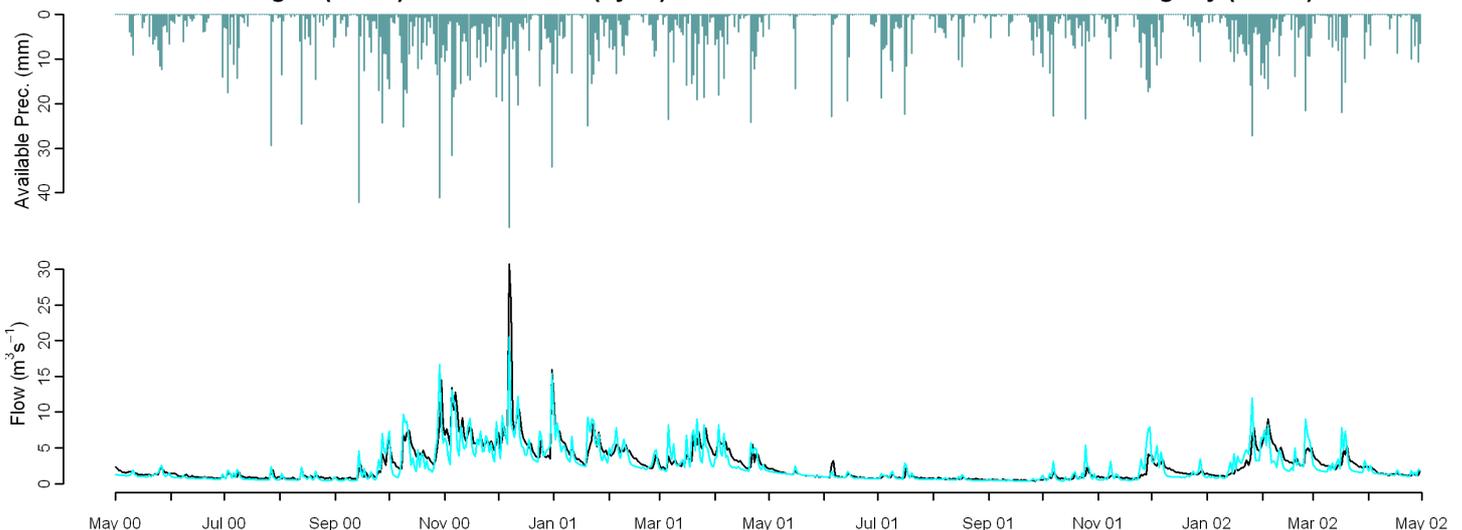
## Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-3.0	-4.8	0.3	2.7	-3.7	-9.9	-11.7	-8.7	-5.4	-1.9	5.7	-1.6	-5.3	0.59
Performance Band	1	1	1	1	1	1	2	1	1	1	1	1	1	2
FAO (1962-1991)	4.0	2.2	-2.4	11.7	-2.5	7.4	1.0	-0.9	4.7	8.0	15.5	4.9	3.8	0.51
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-16.1	-18.9	-9.0	-5.9	11.6	10.6	-7.3	-20.6	-32.8					
Performance Band	1	1	1	1	1									
FAO (1962-1991)	-3.8	-7.6	-2.7	0.1	21.4	15.6	-6.3	-23.3	-38.8					

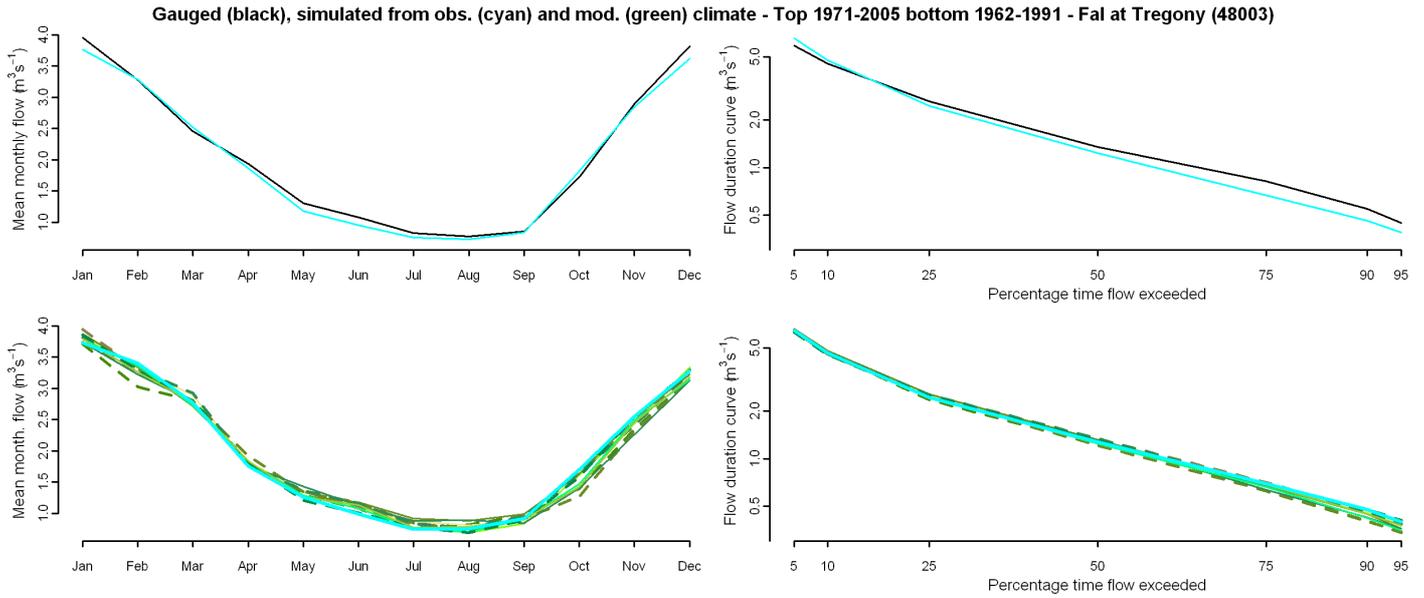
Gauged (black) and simulated (cyan) flows from observed climate - Fal at Tregony (48003)



Gauged (black) and simulated (cyan) flows from observed climate - Fal at Tregony (48003)



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

Climate change graphs for 2050s

