

## General Information

River Name	Tanat	Catchment Area (km <sup>2</sup> )	229
Station Name	Llanyblodwel	SAAR (mm) 61-90	1276
Station Number	54038	Mean Annual Rain (mm) 62-91	1290
Grid Reference	SJ252225	Mean Annual PE (mm) 62-91	524
EA Region	EA-M	Observed flow record	1973 to 2005



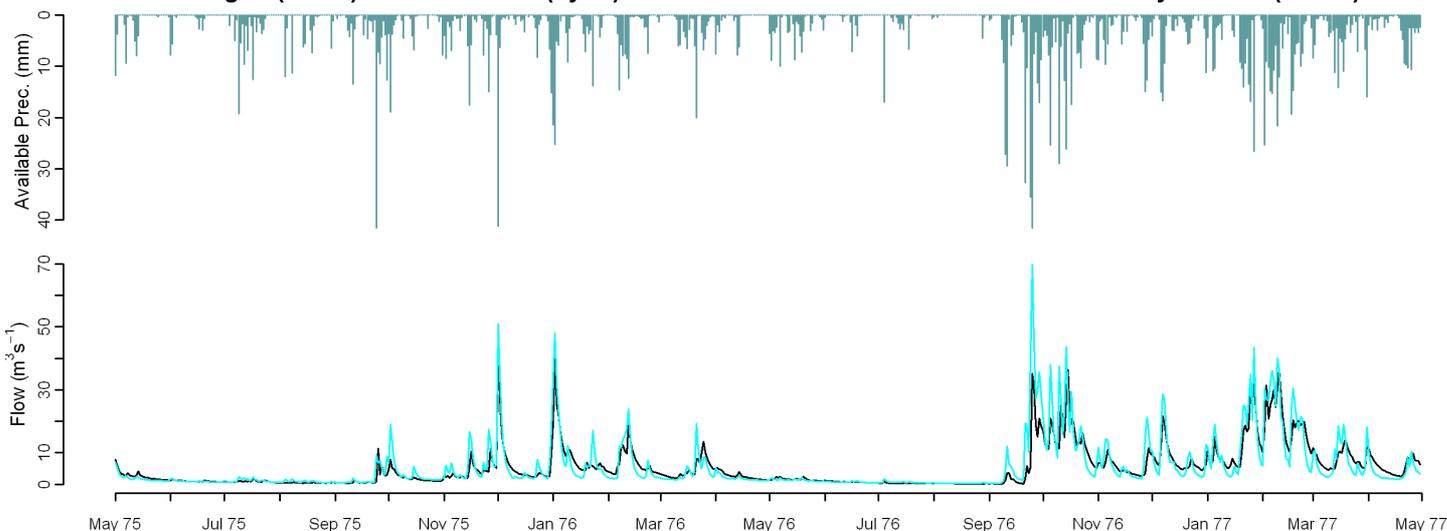
## Observed Data

## Comparison of gauged and simulated flow

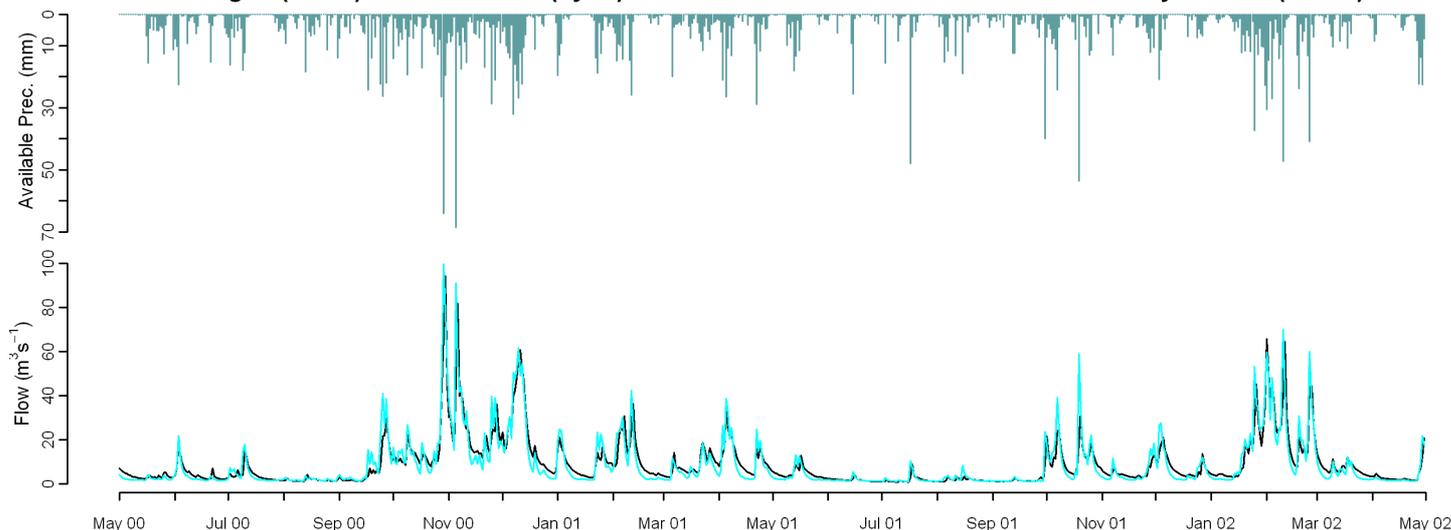
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	2.6	2.4	-4.1	-5.2	-12.1	-15.5	-5.2	10.7	28.3	33.5	18.4	8.7	3.6	0.73
Performance Band	1	1	2	1	2	2	1	1	3	3	1	1	1	1
MORECS (1962-1991)	4.1	4.8	-3.7	-0.7	-13.7	-14.0	-3.3	11.1	21.9	37.1	16.2	13.1	4.4	0.70
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	19.6	-6.8	-37.1	-7.2	17.6									
Performance Band	1	1	2	2	2									
MORECS (1962-1991)	18.5	-8.3	-38.8	-7.8	23.3									

Gauged (black) and simulated (cyan) flows from observed climate - Tanat at Llanyblodwel (54038)

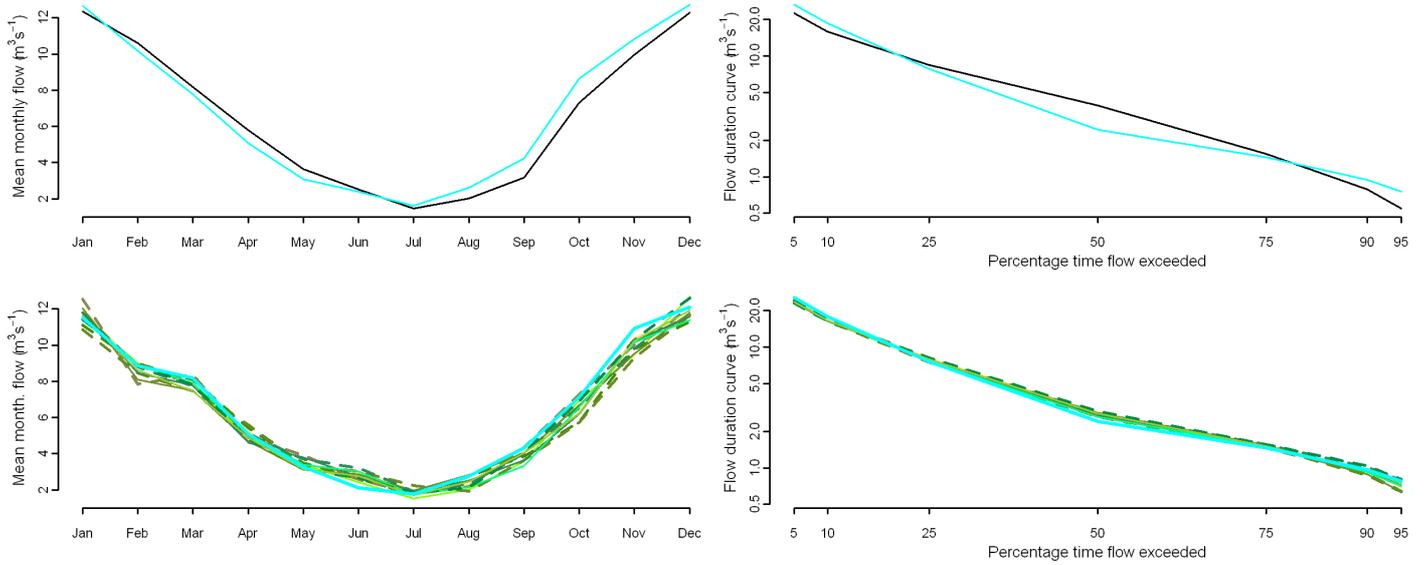


Gauged (black) and simulated (cyan) flows from observed climate - Tanat at Llanyblodwel (54038)



Comparison of gauged and simulated flow (observed and modelled climate)

Gauged (black), simulated from obs. (cyan) and mod. (green) climate - Top 1971-2005 bottom 1962-1991 - Tanat at Llanyblodwel (54038)



Percentage difference between flow simulated from observed climate and Future Flows Climate

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	-2	-3	0	2	-2	-4	-3	0	-4	-2	-3
January	3	-5	6	7	5	-1	1	5	-1	-4	5
April	-4	-1	7	2	-9	10	-8	2	-1	-5	-3
July	-9	16	18	4	7	33	9	8	-1	3	-7
October	-2	-15	-13	6	-6	-14	-4	-5	-7	-2	-15
Q90	2	-12	-1	3	-12	-9	-5	6	-6	4	-2
Q75	3	1	5	9	0	-1	4	7	2	6	3
Q50	13	12	18	19	11	9	18	15	9	21	14
Q25	4	3	7	9	1	0	4	8	1	7	3
Q5	-8	-9	-6	-6	-8	-8	-10	-5	-8	-11	-9
RP2	-10	-3	-11	-7	-3	-4	-4	1	-6	-4	-4
RP10	-5	-3	-14	-9	-2	-7	-8	0	8	-3	4

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Tanat at Llanyblodwel (54038)

