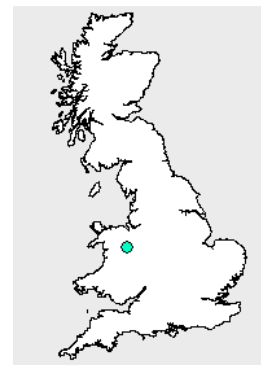


General Information

River Name	Tanat	Catchment Area (km2)	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



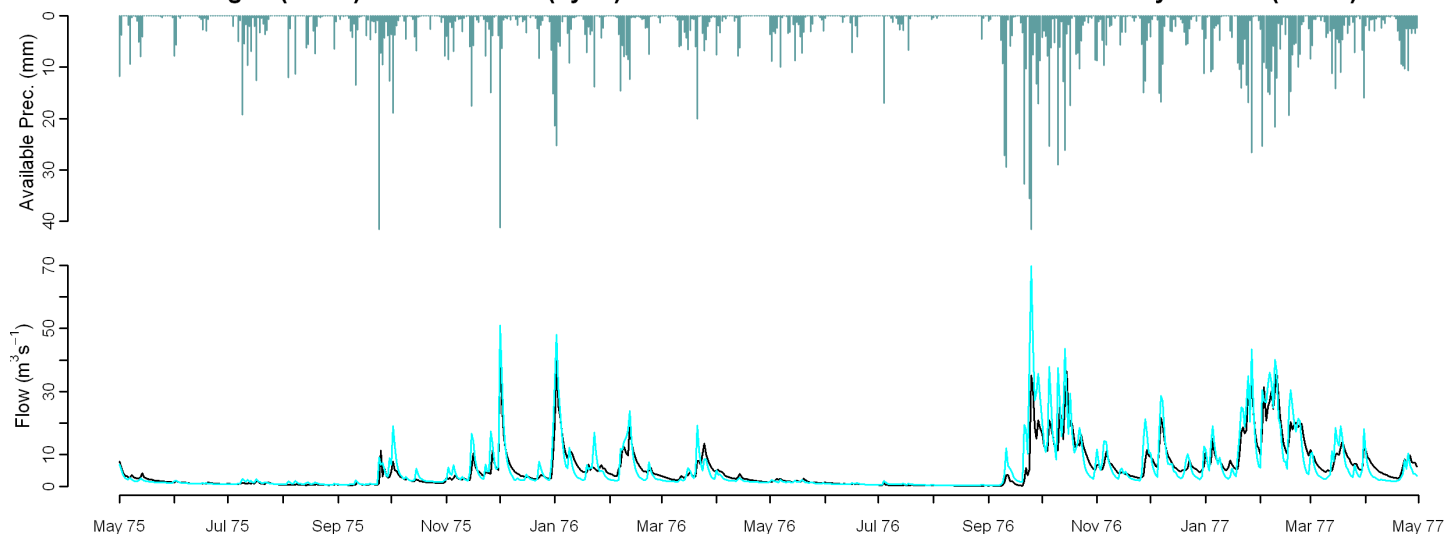
Observed Data

Comparison of gauged and simulated flow

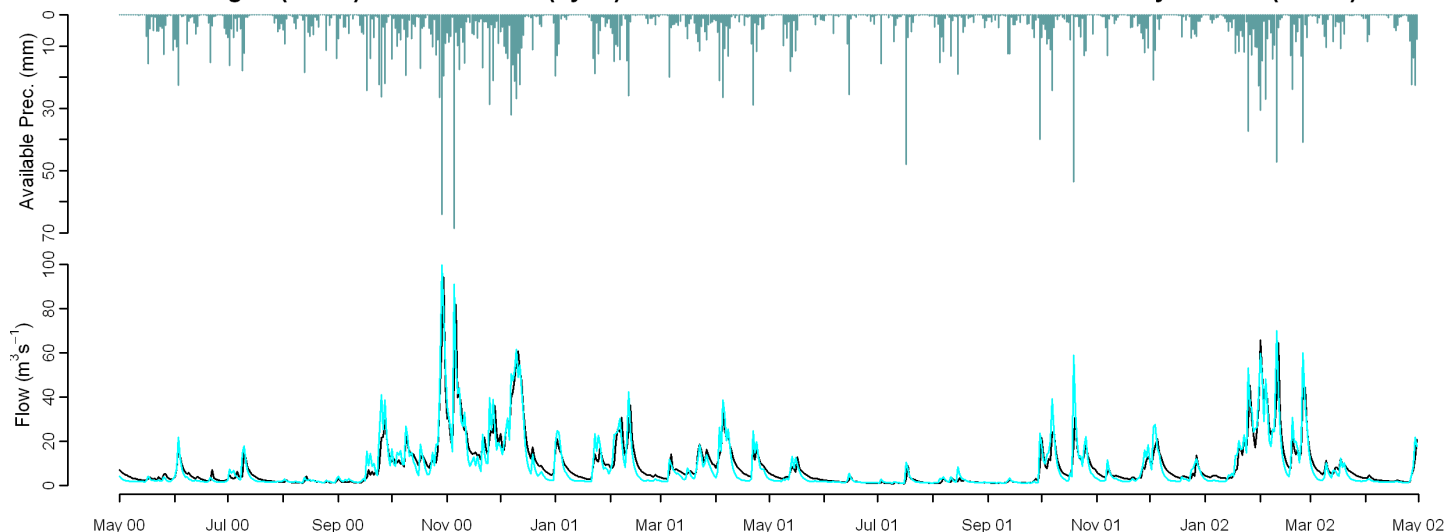
Model used: CERF

	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									

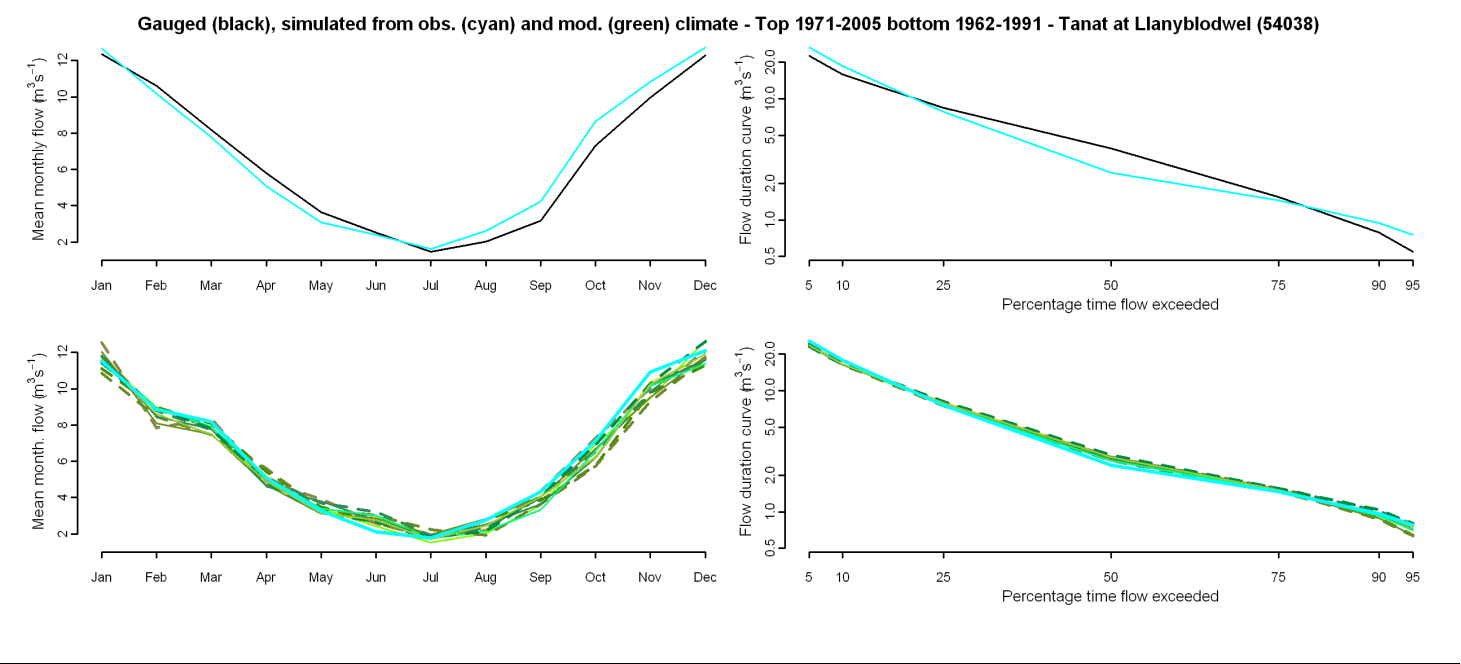
Gauged (black) and simulated (cyan) flows from observed climate - Tanat at Llanyblodwel (54038)



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



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



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

