

General Information

River Name	Monnow	Catchment Area (km ²)	354
Station Name	Grosmont	SAAR (mm) 61-90	956
Station Number	55029	Mean Annual Rain (mm) 62-91	966
Grid Reference	SO415249	Mean Annual PE (mm) 62-91	570
EA Region	EA-W	Observed flow record	1961 to 2005



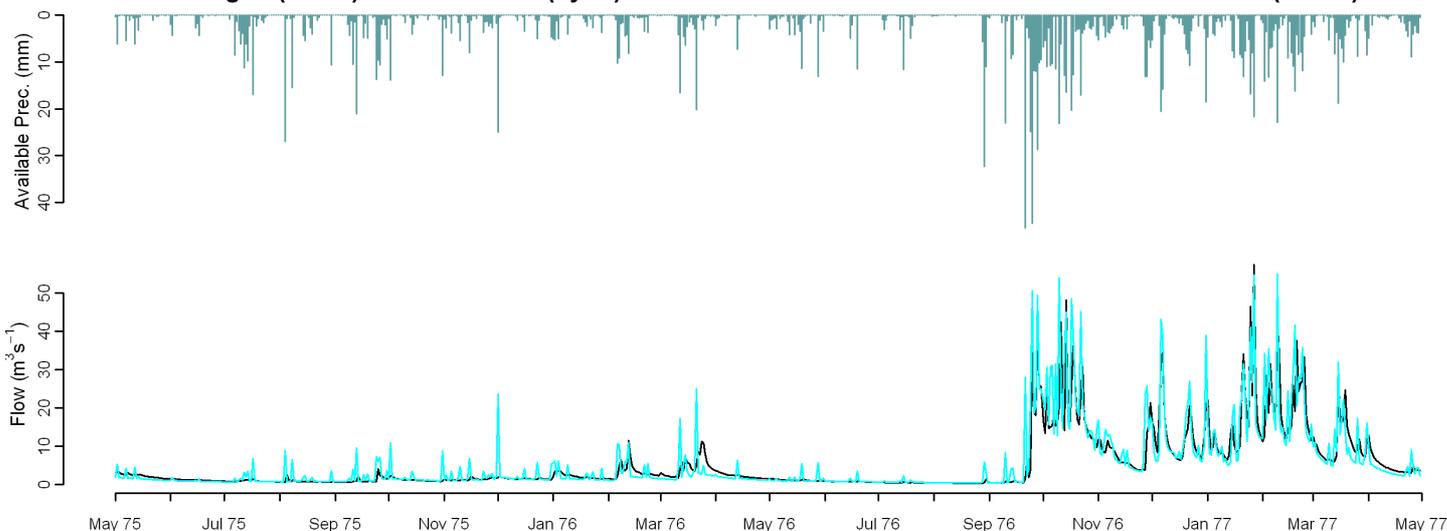
Observed Data

Comparison of gauged and simulated flow

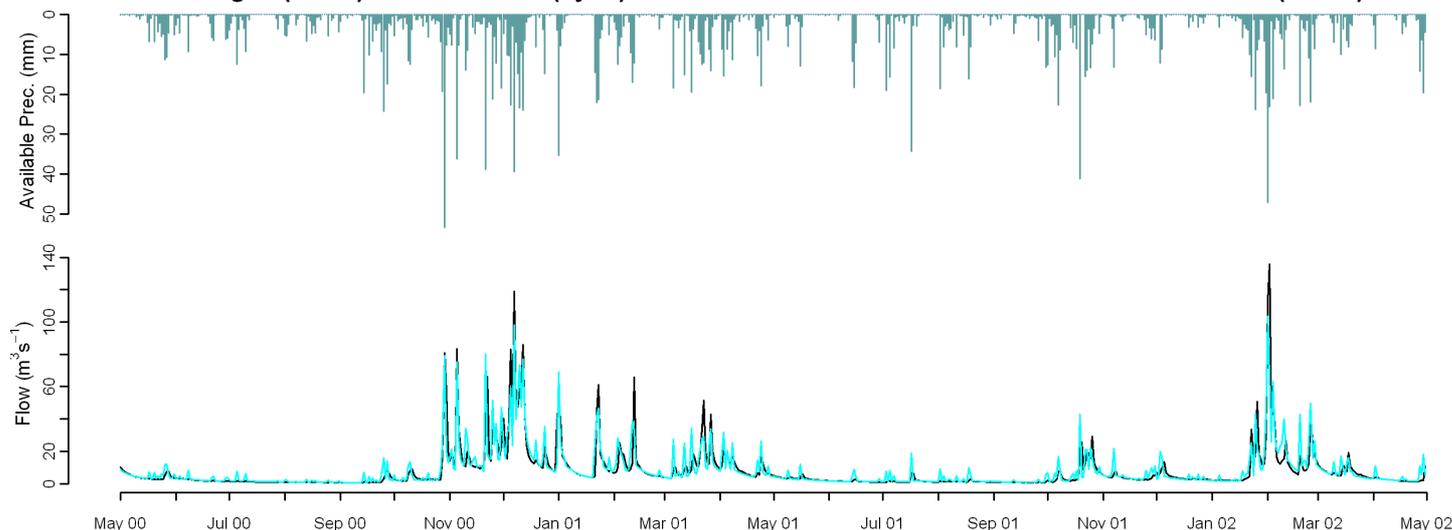
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	3.2	0.9	2.7	-6.8	-11.0	-9.3	-1.7	23.0	45.7	42.2	19.7	10.2	0.1	0.65
Performance Band	1	1	1	1	2	1	1	2	3	3	2	2	1	1
FAO (1962-1991)	3.5	3.2	2.3	-5.2	-10.3	-9.4	-2.5	9.2	35.0	39.0	20.0	11.5	6.2	0.64
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	10.0	1.6	-4.7	2.9	15.3	-12.9	-17.2	-20.7	-24.2					
Performance Band	1	1	1	1	2									
FAO (1962-1991)	5.9	-1.7	-8.1	3.3	18.8	-15.2	-18.5	-22.0	-25.9					

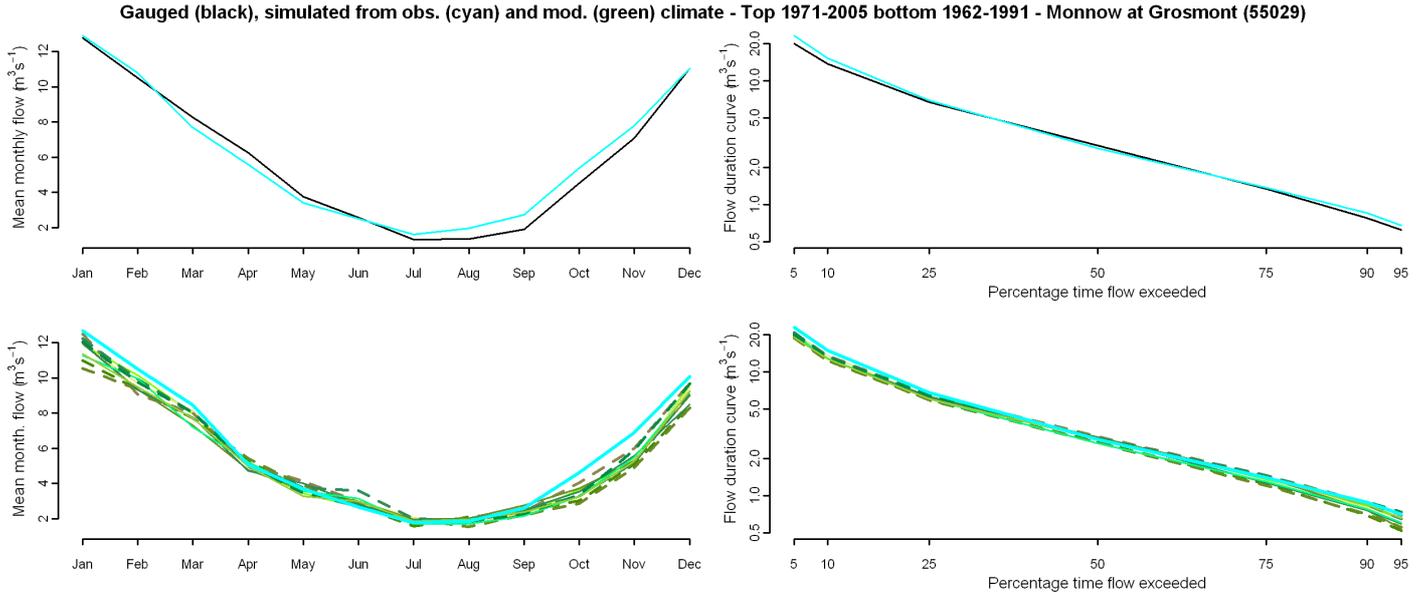
Gauged (black) and simulated (cyan) flows from observed climate - Monnow at Grosmont (55029)



Gauged (black) and simulated (cyan) flows from observed climate - Monnow at Grosmont (55029)



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	-8	-13	-7	-3	-9	-14	-9	-5	-10	-8	-11
January	-6	-12	-1	2	-2	-14	-5	2	-9	-6	-8
April	-2	-6	2	2	-7	5	-9	0	2	-4	-1
July	-3	-8	14	2	4	6	6	8	-1	0	4
October	-20	-36	-30	-11	-24	-38	-23	-29	-28	-28	-11
Q90	-5	-22	-10	-2	-17	-22	-13	-5	-12	-1	-6
Q75	-2	-13	-1	4	-3	-15	-9	3	-7	-1	-3
Q50	3	-8	0	7	1	-8	3	3	-7	-1	-1
Q25	-6	-13	-6	-2	-9	-13	-7	-5	-11	-6	-12
Q5	-14	-15	-9	-10	-12	-19	-16	-6	-13	-14	-17
RP2	-2	-1	2	4	1	-2	9	-2	5	0	0
RP10	-6	-2	1	4	1	-8	6	-4	7	7	7

Climate change graphs for 2050s

