

General Information

River Name	Severn	Catchment Area (km ²)	4325
Station Name	Bewdley	SAAR (mm) 61-90	912
Station Number	54001	Mean Annual Rain (mm) 62-91	921
Grid Reference	SO782762	Mean Annual PE (mm) 62-91	544
EA Region	EA-M	Observed flow record	1961 to 2005



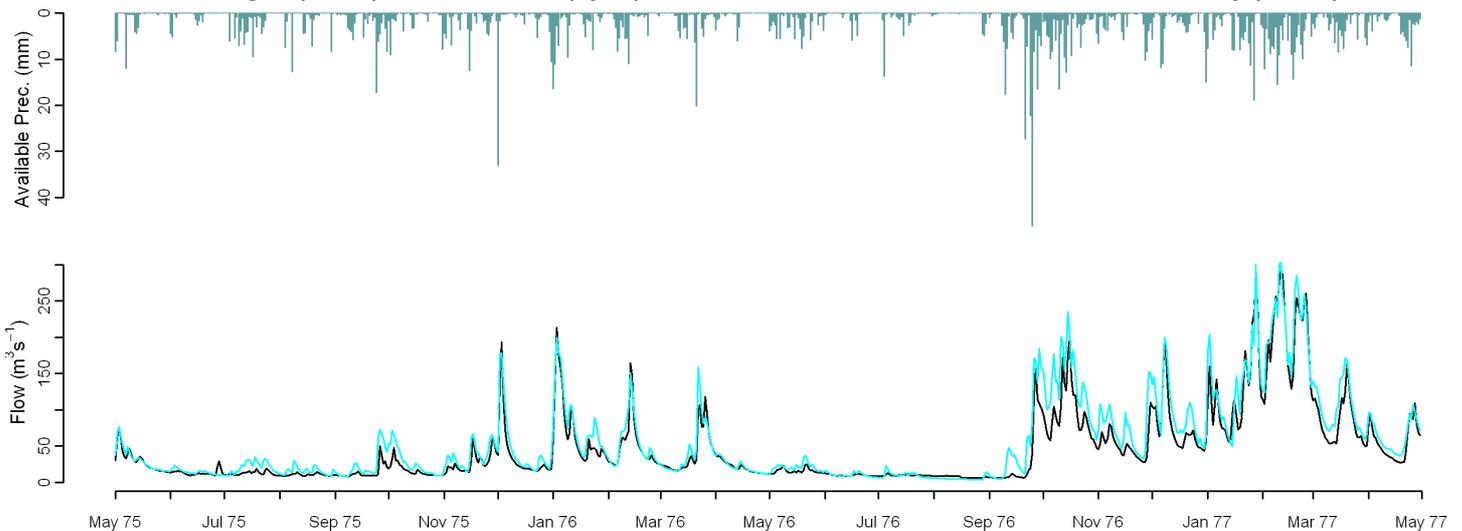
Observed Data

Comparison of gauged and simulated flow

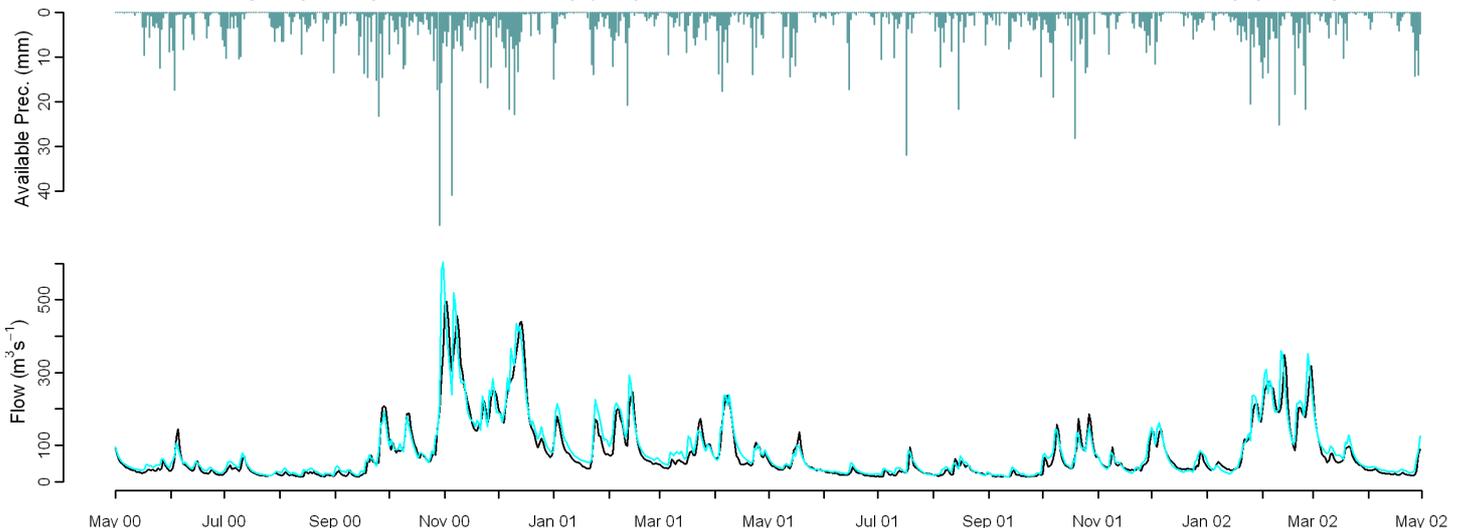
Model used: CLASSIC

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	13.1	8.3	12.4	13.9	14.7	14.7	18.0	32.0	26.5	23.6	14.7	9.5	8.9	0.90
Performance Band	2	1	2	2	2	2	2	3	2	2	2	1	1	1
FAO (1962-1991)	14.5	11.5	13.0	12.0	14.9	12.7	22.7	25.8	24.5	23.6	16.9	14.3	10.8	0.90
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	25.6	33.7	19.9	16.6	3.8	3.8	3.4	4.7	6.8					
Performance Band	1	2	2	2	1									
FAO (1962-1991)	26.7	31.7	23.7	19.9	3.5	2.8	2.9	0.4	-3.6					

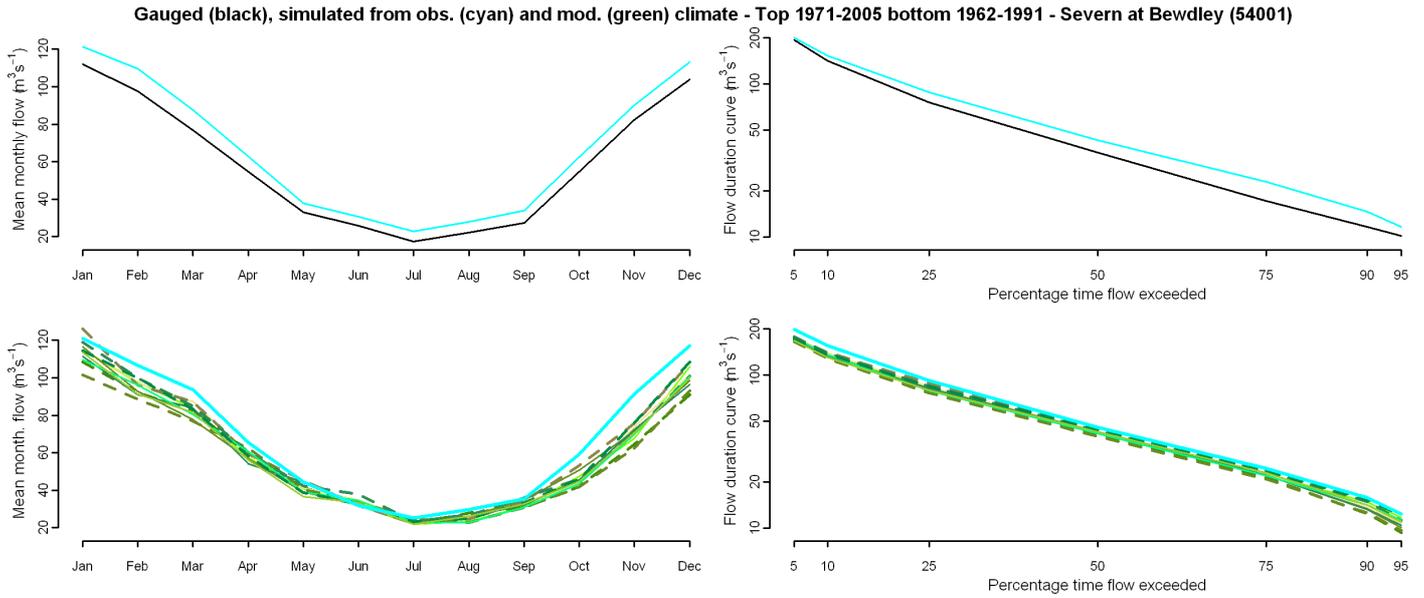
Gauged (black) and simulated (cyan) flows from observed climate - Severn at Bewdley (54001)



Gauged (black) and simulated (cyan) flows from observed climate - Severn at Bewdley (54001)



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	-9	-14	-9	-5	-12	-15	-12	-6	-12	-9	-13
January	-1	-10	-5	1	-1	-15	-8	-1	-8	-6	-3
April	-12	-12	-6	-3	-13	-4	-16	-6	-8	-11	-13
July	-10	-4	1	-7	-11	1	-6	-4	-9	-8	-14
October	-18	-25	-27	-9	-16	-26	-18	-19	-26	-21	-24
Q90	-5	-22	-13	0	-19	-21	-16	-5	-10	-6	-10
Q75	-7	-13	-8	-1	-12	-16	-10	-3	-11	-5	-7
Q50	-8	-10	-6	0	-9	-13	-6	-3	-10	-4	-8
Q25	-9	-15	-9	-4	-14	-16	-11	-6	-14	-8	-14
Q5	-11	-15	-12	-10	-13	-16	-16	-9	-11	-14	-16
RP2	-6	-7	-9	-4	-4	-11	-4	0	-10	-3	-9
RP10	-3	-6	-5	-2	3	-9	1	0	6	-2	5

Climate change graphs for 2050s

