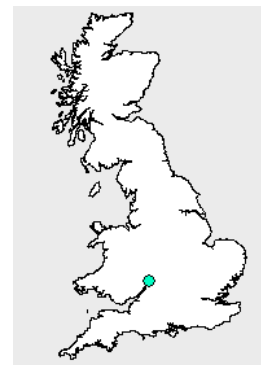


General Information

River Name	Severn	Catchment Area (km2)	9895
Station Name	Haw Bridge	SAAR (mm) 61-90	793
Station Number	54057	Mean Annual Rain (mm) 62-91	800
Grid Reference	SO844279	Mean Annual PE (mm) 62-91	573
EA Region	EA-M	Observed flow record	1971 to 2005



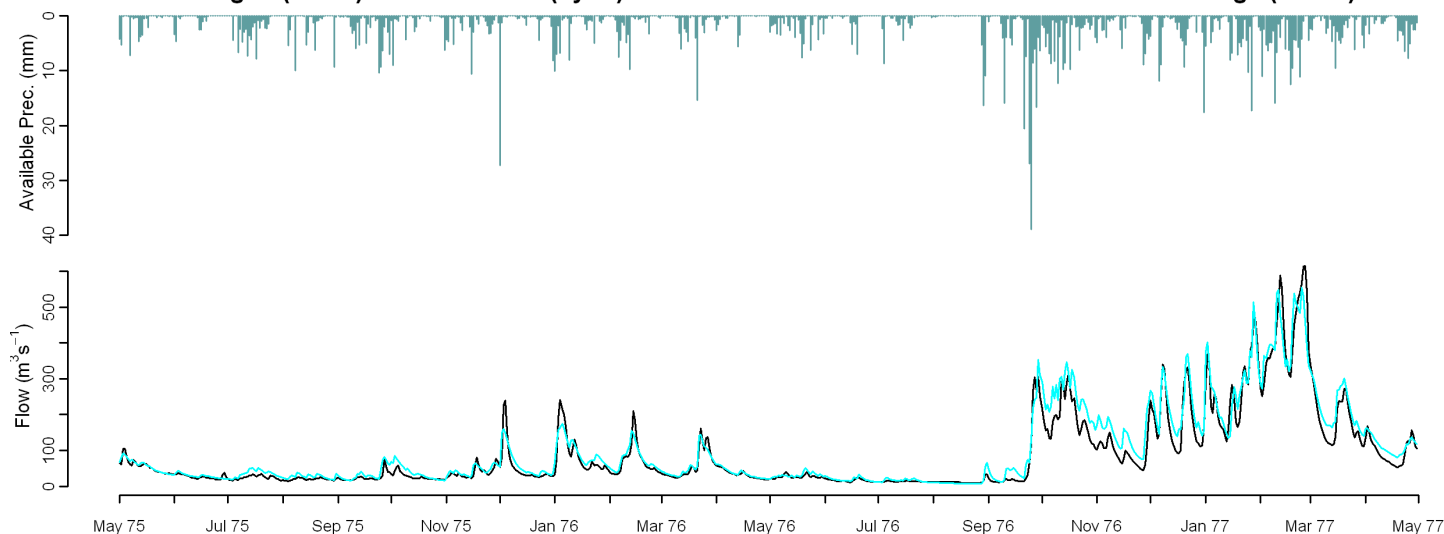
Observed Data

Comparison of gauged and simulated flow

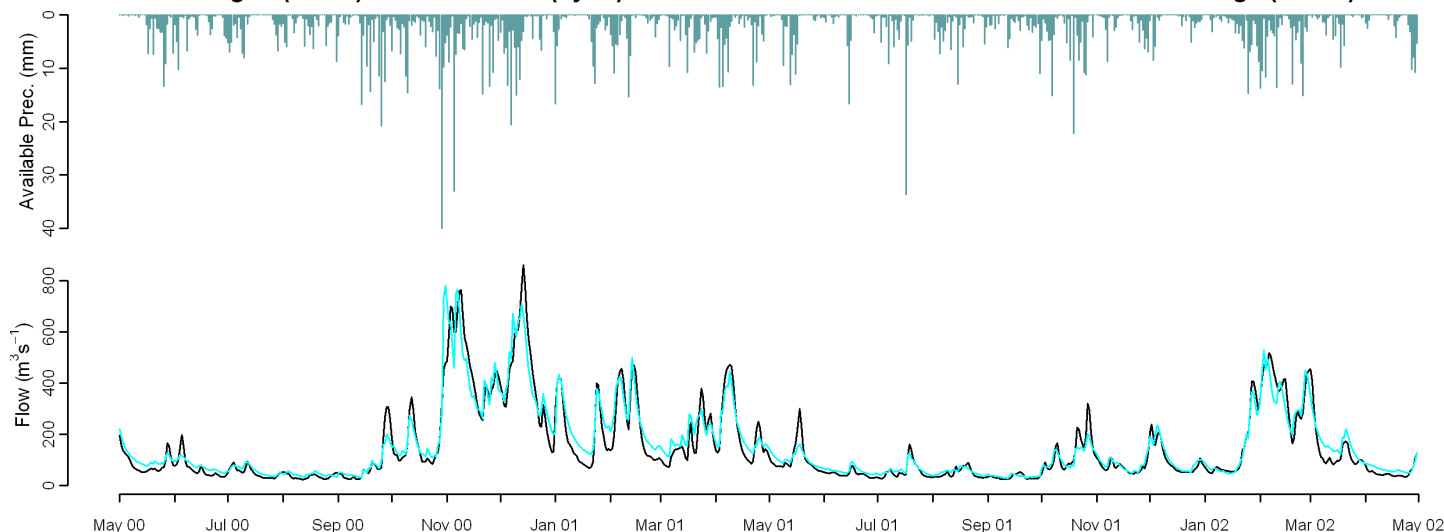
Model used: CLASSIC

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	7.4	5.1	8.9	8.9	7.5	7.8	10.1	24.5	15.5	7.5	4.6	4.7	5.2	0.93
Performance Band	1	1	1	1	1	1	2	2	2	1	1	1	1	1
FAO (1962-1991)	11.6	10.4	11.0	9.2	14.0	10.4	15.0	24.4	15.1	13.1	12.0	10.5	10.5	0.92
	Q90	Q75	Q50	Q25	Q5	RP2			RP5	RP10	RP20			
MORECS (1971-2005)	22.0	27.0	16.1	12.3	-6.0	6.5			9.1	7.4	3.3			
Performance Band	1	1	2	1	1									
FAO (1962-1991)	23.5	31.7	18.6	16.9	-0.5	6.2			8.7	9.4	9.4			

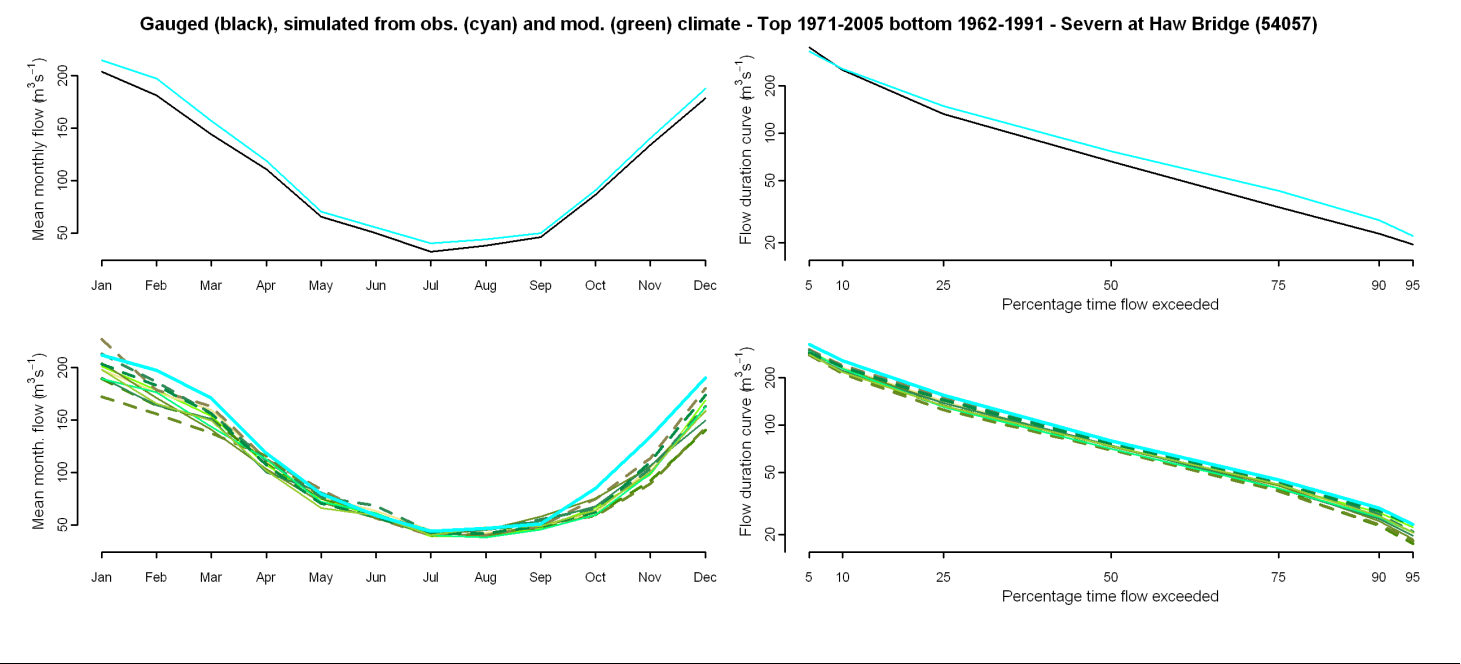
Gauged (black) and simulated (cyan) flows from observed climate - Severn at Haw Bridge (54057)



Gauged (black) and simulated (cyan) flows from observed climate - Severn at Haw Bridge (54057)



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	-15	-9	-3	-11	-16	-12	-4	-11	-9	-13
January	0	-11	-7	4	0	-19	-11	1	-10	-4	-5
April	-9	-11	-2	1	-12	-2	-14	-3	-4	-10	-13
July	-8	-3	7	-6	-10	2	-3	0	-8	-5	-10
October	-20	-27	-27	-11	-14	-28	-16	-18	-28	-25	-24
Q90	-6	-23	-13	-2	-19	-22	-15	-8	-12	-6	-11
Q75	-8	-13	-8	-2	-11	-16	-12	-3	-12	-6	-7
Q50	-8	-12	-8	1	-10	-12	-7	-1	-11	-5	-9
Q25	-10	-16	-8	-1	-13	-20	-12	-4	-16	-8	-16
Q5	-8	-15	-10	-7	-12	-14	-15	-7	-9	-13	-15
RP2	-4	-9	-6	-2	-5	-9	4	-3	-5	-5	-7
RP10	-1	-9	4	-1	6	-6	7	-7	7	-4	6

Climate change graphs for 2050s

