

General Information

River Name	Wharfe	Catchment Area (km ²)	759
Station Name	Flint Mill Weir	SAAR (mm) 61-90	1164
Station Number	27002	Mean Annual Rain (mm) 62-91	1170
Grid Reference	SE422473	Mean Annual PE (mm) 62-91	550
EA Region	EA-NE	Observed flow record	1961 to 2005



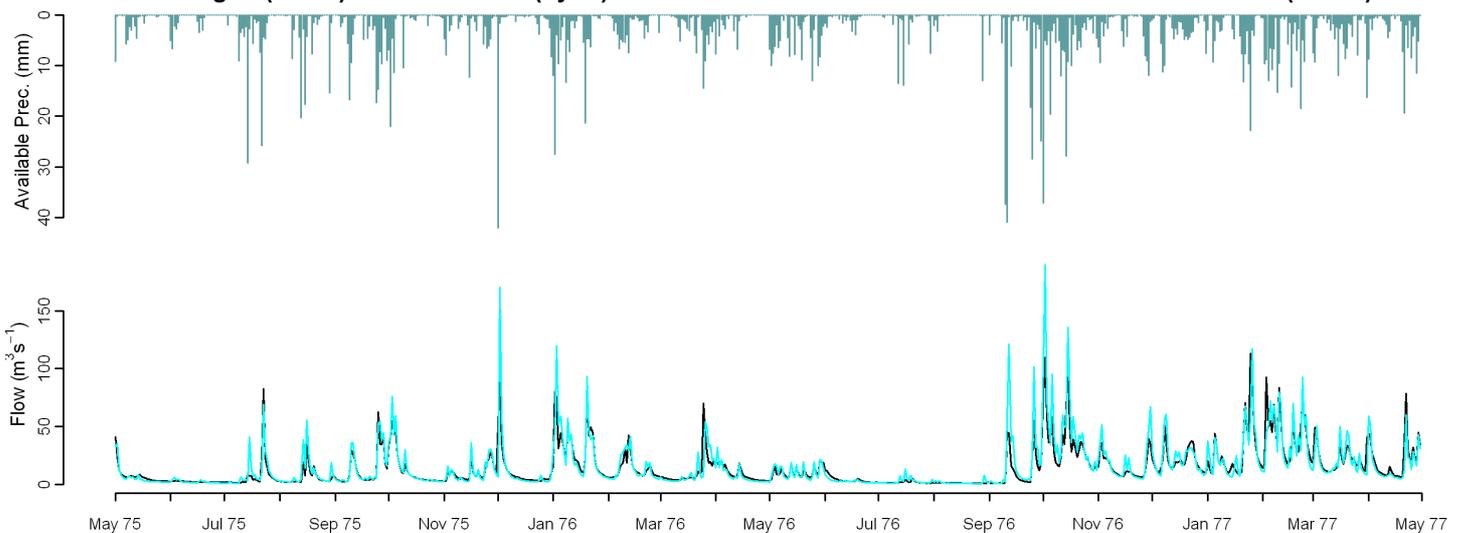
Observed Data

Comparison of gauged and simulated flow

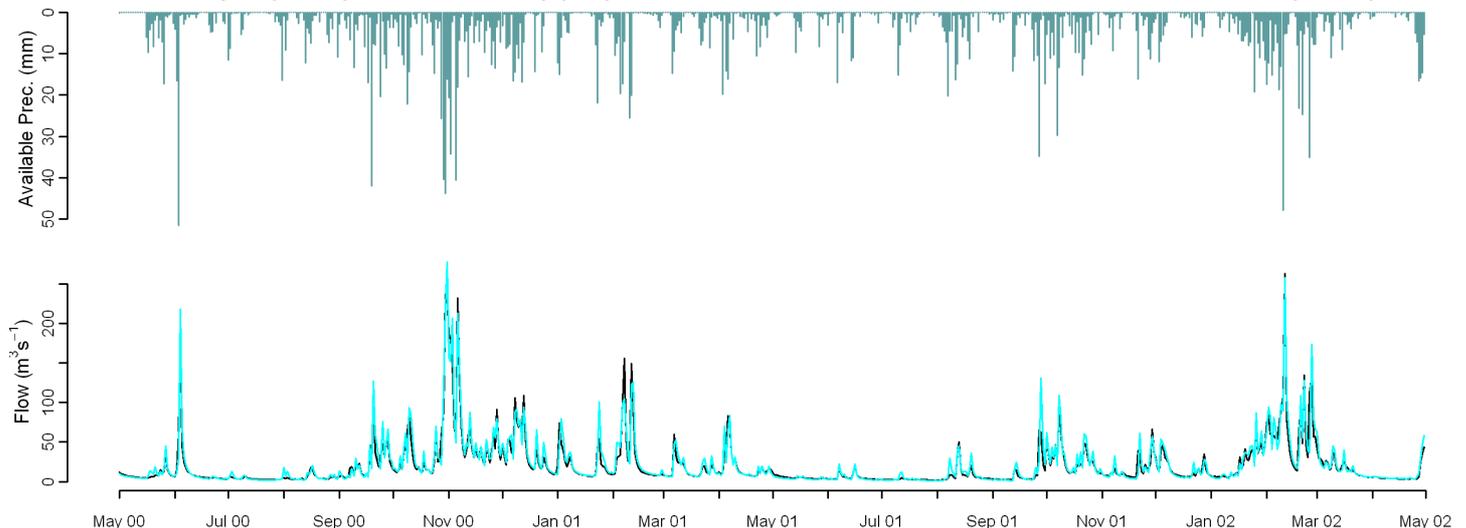
Model used: CLASSIC

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	5.1	1.6	5.3	3.5	-0.7	-6.5	-2.0	3.8	7.1	9.9	10.9	7.8	8.6	0.79
Performance Band	1	1	1	1	1	1	1	1	1	1	2	1	1	1
FAO (1962-1991)	4.0	4.3	2.1	2.4	-2.4	-7.1	-1.5	-0.4	4.3	8.0	9.0	9.5	7.2	0.77
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	-18.7	-12.3	-5.6	7.4	12.1	12.0	9.6	4.8	-1.2					
Performance Band	1	1	1	1	1									
FAO (1962-1991)	-16.3	-17.0	-7.5	6.0	12.7	5.2	2.8	-1.8	-7.3					

Gauged (black) and simulated (cyan) flows from observed climate - Wharfe at Flint Mill Weir (27002)

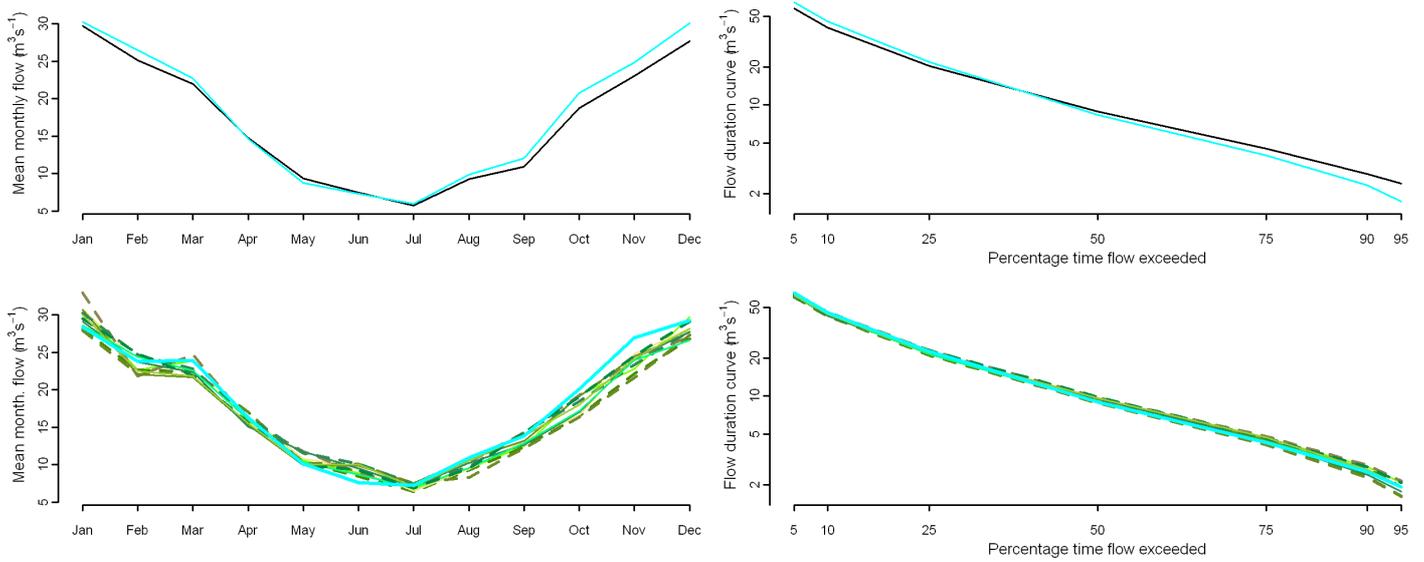


Gauged (black) and simulated (cyan) flows from observed climate - Wharfe at Flint Mill Weir (27002)



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 - Wharfe at Flint Mill Weir (27002)



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

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	0	-6	-2	3	-2	-5	-3	2	-3	-1	-1
January	10	-2	8	13	11	3	3	9	4	4	10
April	-2	-3	2	3	-5	5	-7	4	-2	-3	-4
July	-7	-1	-3	3	5	5	-4	2	-7	-9	-2
October	-3	-12	-17	2	-4	-15	-4	-6	-11	-4	-9
Q90	11	-9	-6	15	-3	-11	-9	6	4	4	5
Q75	9	-3	1	13	2	-4	-2	9	1	6	9
Q50	7	-1	6	11	4	-1	6	7	0	8	7
Q25	0	-7	-1	4	-3	-3	-2	1	-5	1	-3
Q5	-2	-8	-4	-1	-4	-8	-6	-1	-6	-6	-5
RP2	-4	0	2	2	4	5	0	8	12	1	5
RP10	0	14	4	0	3	8	4	6	12	4	11

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Wharfe at Flint Mill Weir (27002)

