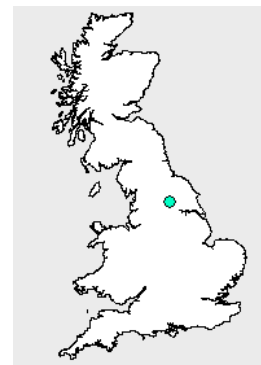


## General Information

River Name	Wharfe	Catchment Area (km2)	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



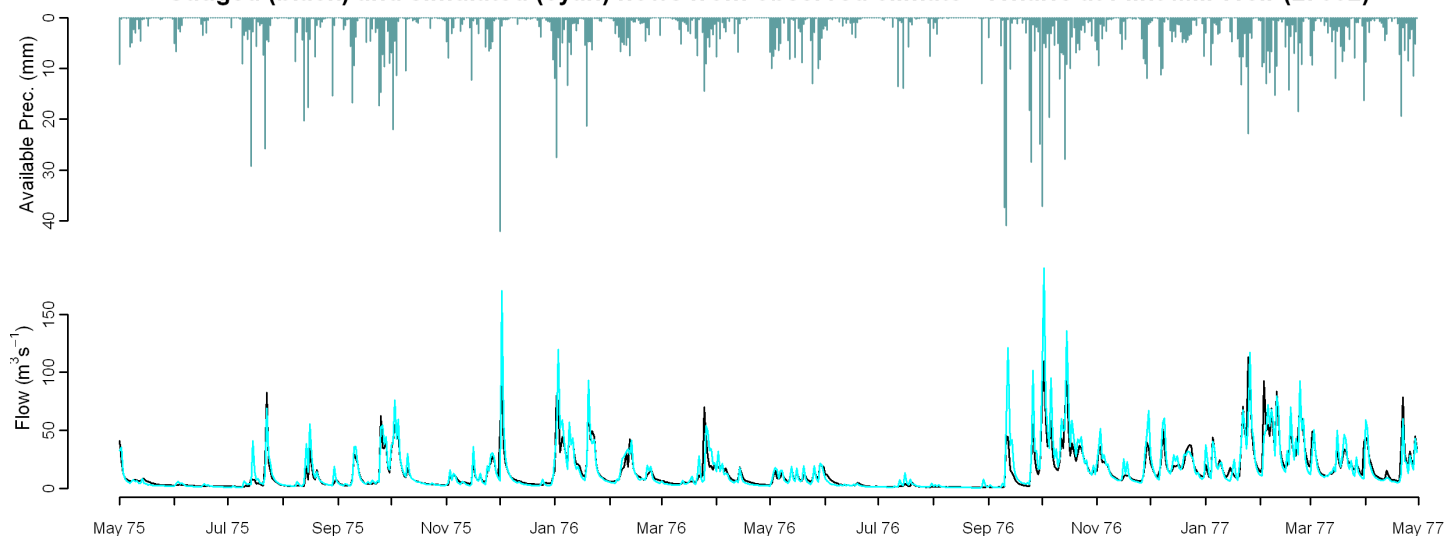
## Observed Data

## Comparison of gauged and simulated flow

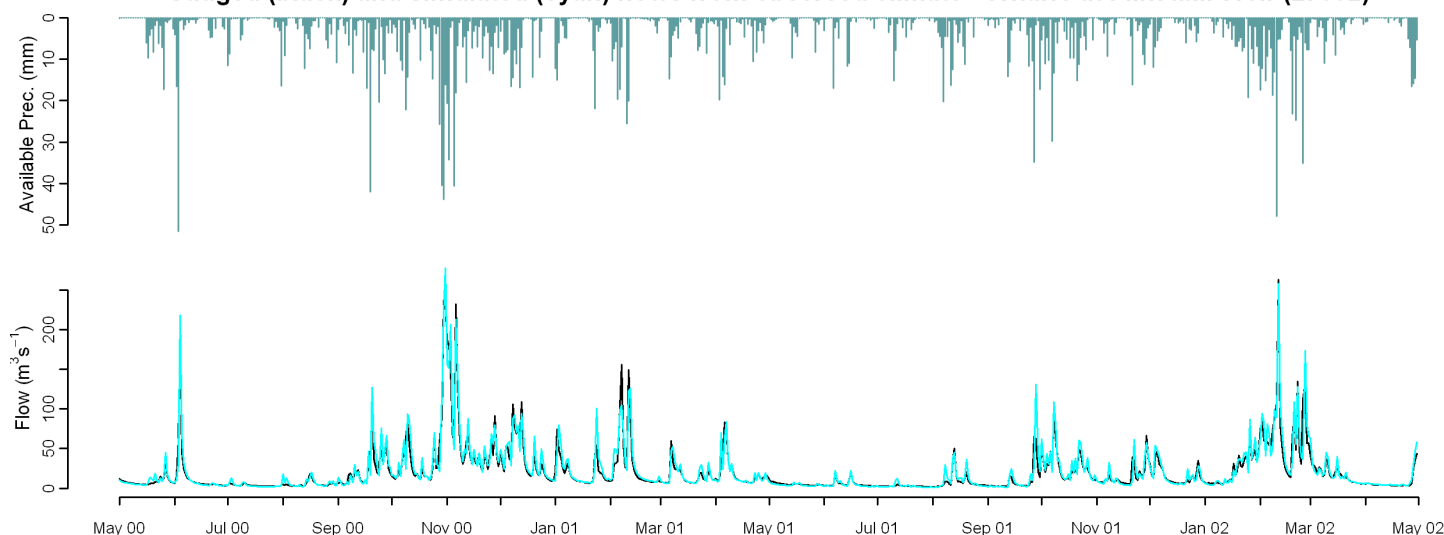
## Model used: CLASSIC

	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				

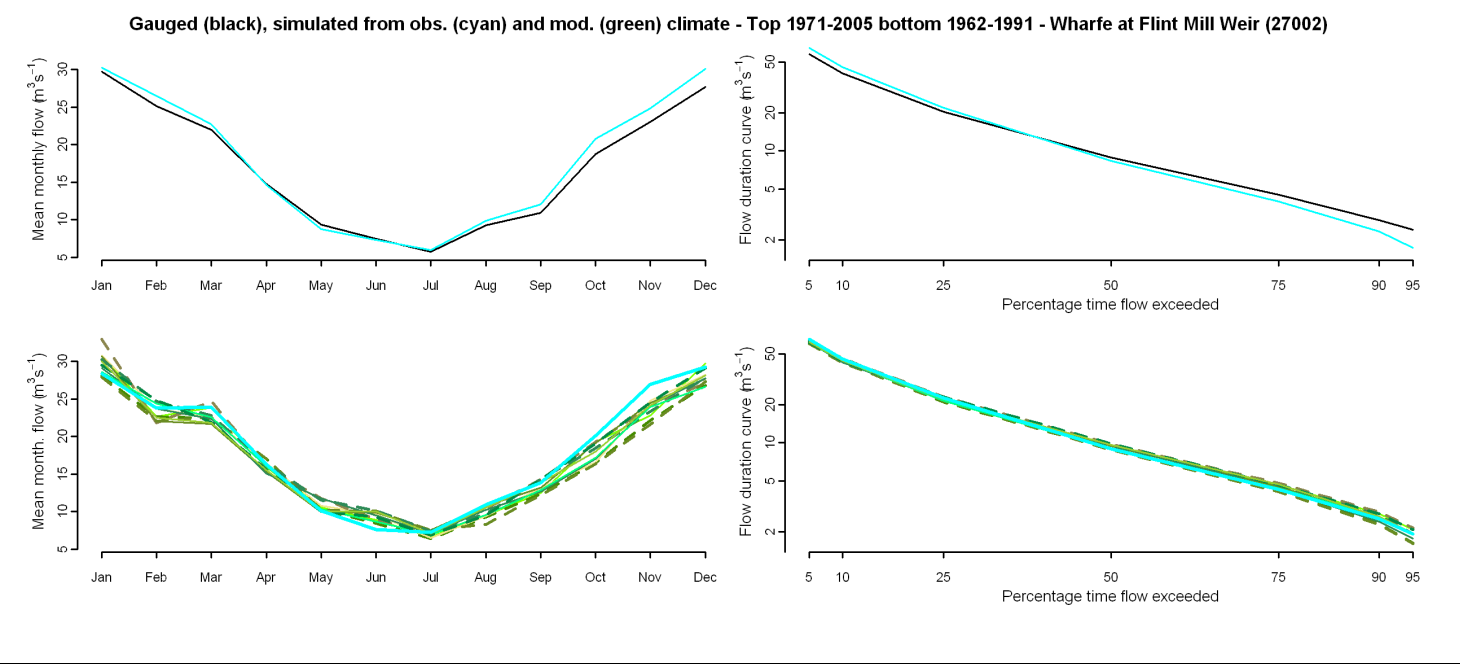
Gauged (black) and simulated (cyan) flows from observed climate - Wharfe at Flint Mill Weir (27002)



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)



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

