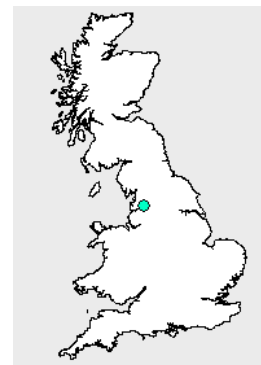


General Information

River Name	Ribble	Catchment Area (km2)	1053
Station Name	New Jumbles Rock	SAAR (mm) 61-90	1367
Station Number	71009	Mean Annual Rain (mm) 62-91	1377
Grid Reference	SD702376	Mean Annual PE (mm) 62-91	552
EA Region	EA-NW	Observed flow record	1979 to 2005



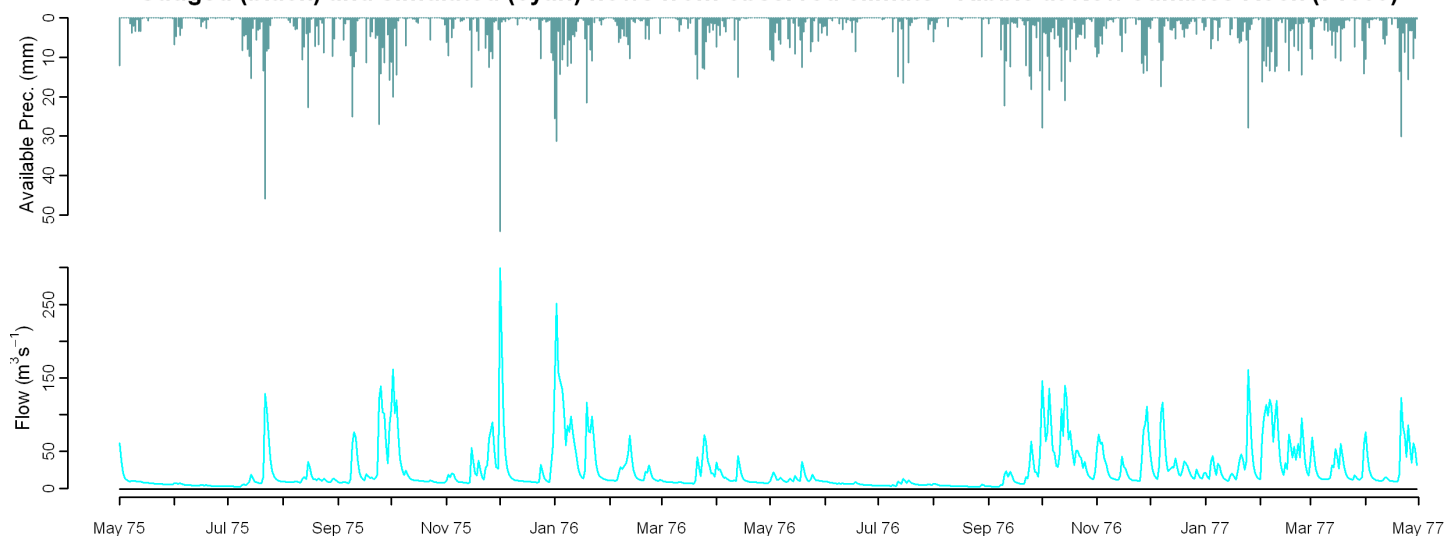
Observed Data

Comparison of gauged and simulated flow

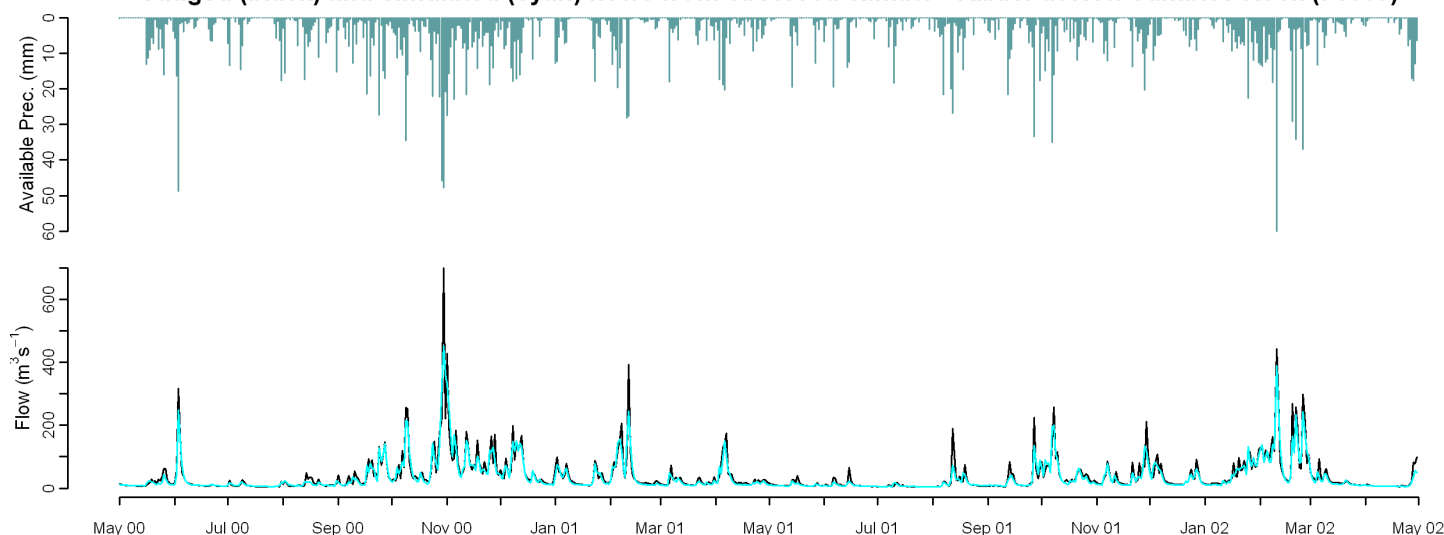
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-4.2	-3.9	-3.4	-7.5	-13.8	-15.9	-13.1	-6.4	-7.7	-1.2	1.4	-0.6	-1.8	0.84
Performance Band	1	1	2	1	2	2	2	1	2	1	1	1	1	1
MORECS (1962-1991)	-1.2	-0.6	-0.8	-1.9	-8.2	-17.1	-13.1	-1.4	-7.7	3.4	3.6	1.8	-0.4	0.84
	Q90	Q75	Q50	Q25	Q5									
MORECS (1971-2005)	19.4	9.9	-15.6	-2.4	0.7									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	23.9	12.4	-13.8	-0.2	3.3									

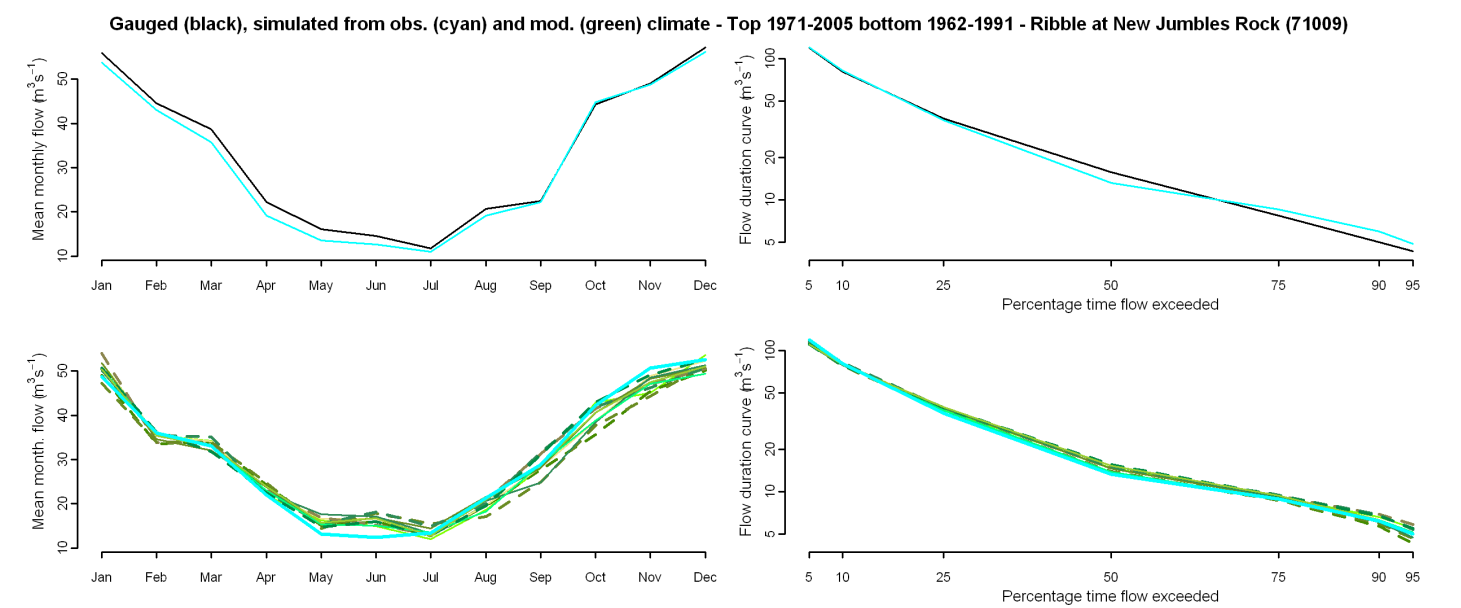
Gauged (black) and simulated (cyan) flows from observed climate - Ribble at New Jumbles Rock (71009)



Gauged (black) and simulated (cyan) flows from observed climate - Ribble at New Jumbles Rock (71009)



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	1	-1	3	6	3	0	0	4	1	2	2
January	6	0	7	8	8	3	1	6	5	0	8
April	0	5	2	12	7	12	4	7	0	4	7
July	-9	3	6	4	7	18	-1	10	-3	-6	-6
October	3	-7	-9	5	-4	-8	1	-1	-6	2	-2
Q90	7	-8	-1	14	-1	-5	-5	9	1	5	2
Q75	4	-2	1	7	1	-2	2	8	0	4	5
Q50	11	2	9	13	9	4	14	14	4	15	14
Q25	7	1	11	12	7	5	9	10	5	8	10
Q5	-6	-5	-5	-3	-5	-7	-8	-3	-6	-7	-7
RP2	2	6	-5	2	5	2	0	1	4	3	-2
RP10	3	7	-7	-1	6	3	4	-3	7	5	-1

Climate change graphs for 2050s

