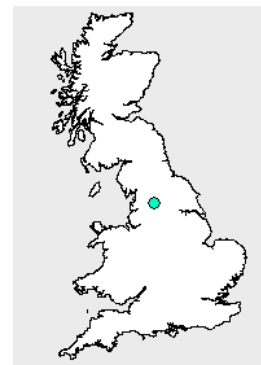


General Information

River Name	Aire	Catchment Area (km2)	282
Station Name	Kildwick Bridge	SAAR (mm) 61-90	1149
Station Number	27035	Mean Annual Rain (mm) 62-91	1151
Grid Reference	SE013457	Mean Annual PE (mm) 62-91	538
EA Region	EA-NE	Observed flow record	1968 to 2005



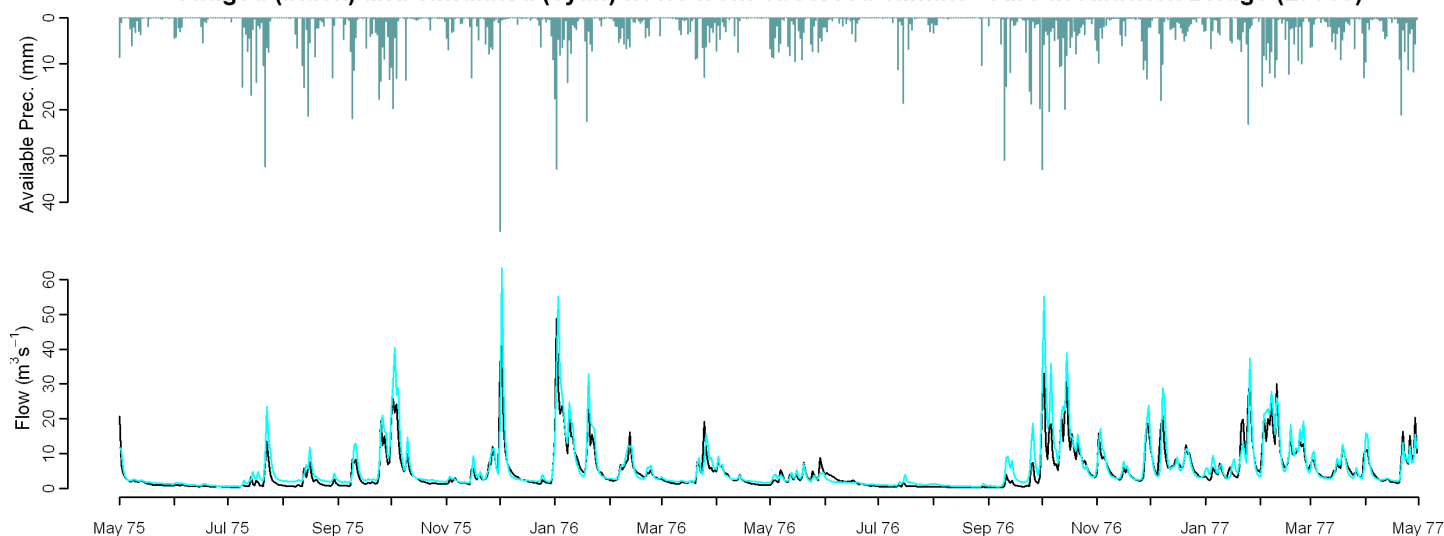
Observed Data

Comparison of gauged and simulated flow

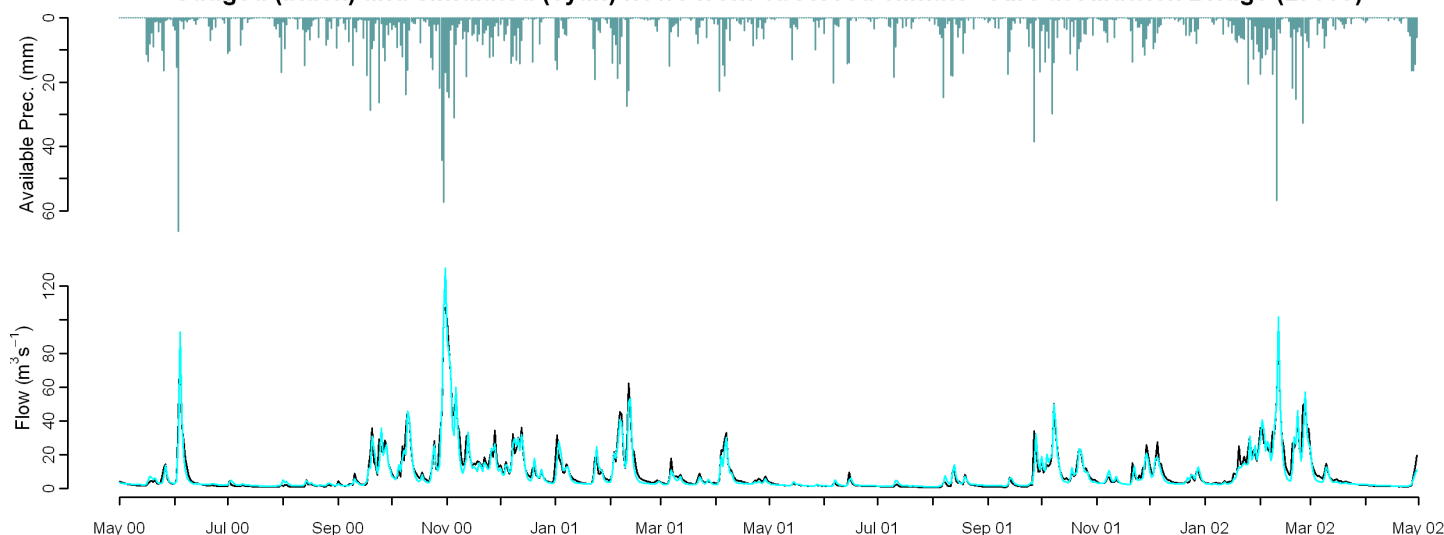
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	1.3	-2.0	-2.9	-5.1	-5.3	-4.3	3.5	22.3	8.2	20.5	8.9	1.6	1.1	0.86
Performance Band	1	1	1	1	1	1	1	2	1	2	1	1	1	1
MORECS (1962-1991)	6.1	1.5	1.2	-0.3	2.6	-1.3	10.1	30.3	14.6	25.2	14.7	5.2	2.4	0.83
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	63.5	39.1	-3.7	-8.0	2.5									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	76.4	47.7	-1.4	-3.4	6.6									

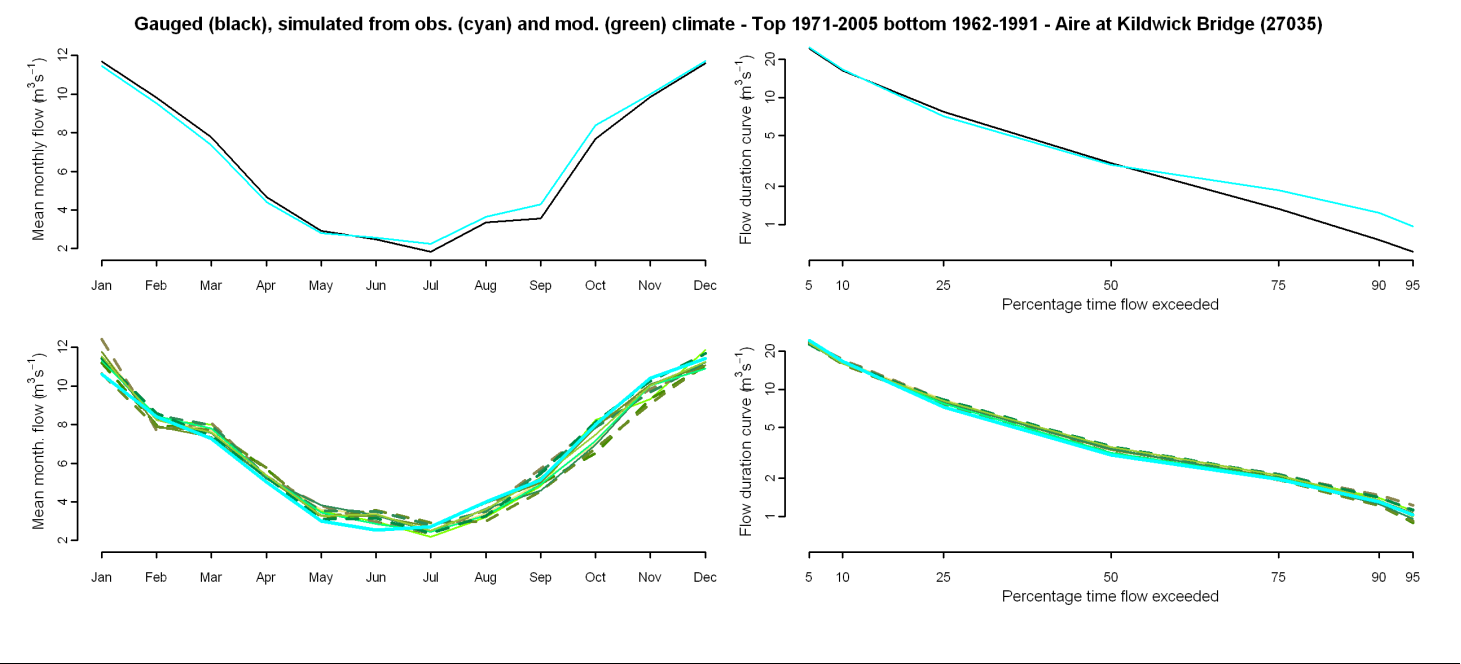
Gauged (black) and simulated (cyan) flows from observed climate - Aire at Kildwick Bridge (27035)



Gauged (black) and simulated (cyan) flows from observed climate - Aire at Kildwick Bridge (27035)



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	2	-2	3	7	3	0	-1	4	1	2	2
January	12	3	12	15	12	6	6	11	8	5	12
April	4	4	8	13	4	15	3	11	4	6	7
July	-19	-3	-3	-7	0	8	-8	4	-13	-14	-8
October	4	-12	-13	6	-2	-12	-2	-1	-8	2	-5
Q90	9	-6	2	15	0	-8	-7	8	2	3	3
Q75	6	0	5	9	2	-3	-1	10	1	5	7
Q50	11	5	11	14	10	4	12	13	5	15	15
Q25	12	4	14	17	9	6	9	14	7	14	11
Q5	-5	-6	-2	-1	-3	-5	-7	0	-5	-7	-6
RP2	-4	-1	-7	-1	1	3	-5	1	2	-3	-3
RP10	4	11	-6	-2	5	6	4	2	14	0	8

Climate change graphs for 2050s

