

General Information

River Name	Ribble	Catchment Area (km2)	456
Station Name	Henthorn	SAAR (mm) 61-90	1343
Station Number	71006	Mean Annual Rain (mm) 62-91	1354
Grid Reference	SD722392	Mean Annual PE (mm) 62-91	536
EA Region	EA-NW	Observed flow record	1968 to 2005



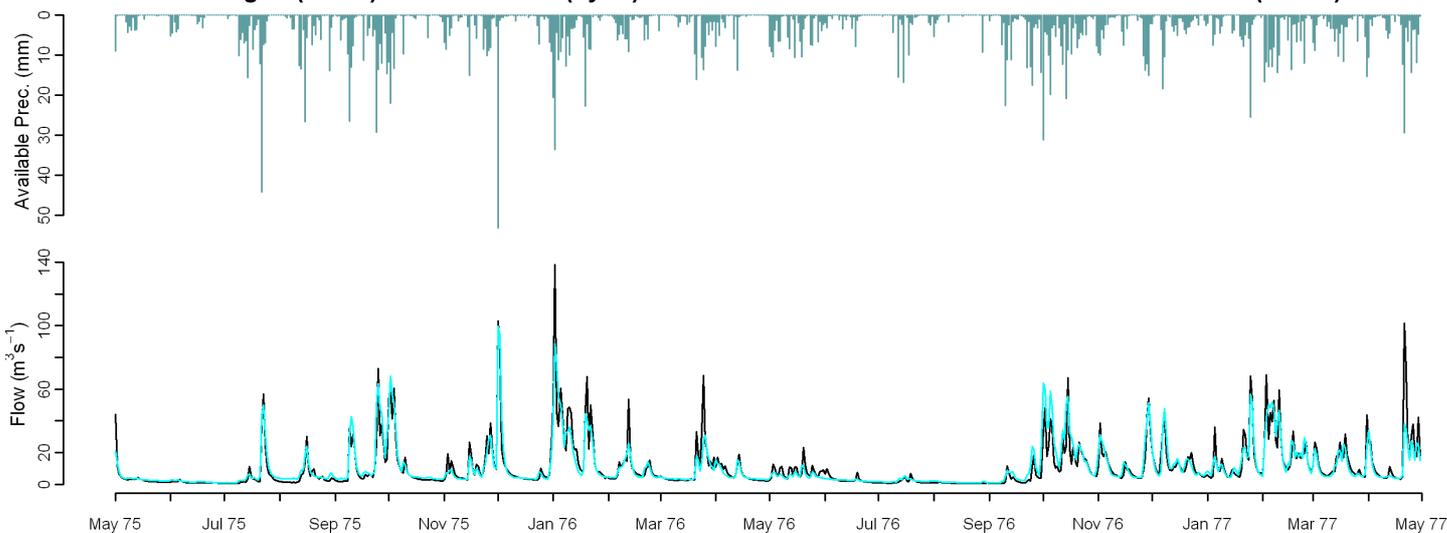
Observed Data

Comparison of gauged and simulated flow

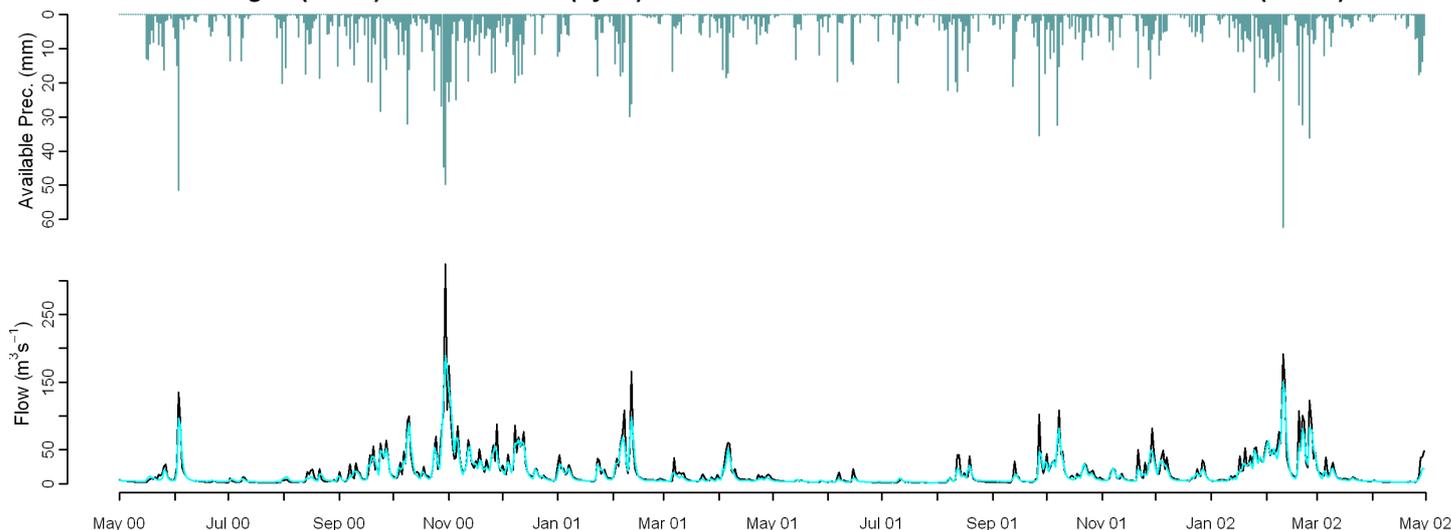
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-8.0	-9.5	-6.6	-13.5	-14.9	-14.0	-7.7	-3.9	-5.5	-5.0	-3.8	-6.3	-7.0	0.81
Performance Band	1	1	2	1	2	2	2	1	1	1	1	1	1	1
MORECS (1962-1991)	-5.2	-7.5	-3.3	-10.3	-8.0	-11.5	-4.5	0.4	-2.1	-2.1	-1.7	-3.2	-5.1	0.81
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	52.5	25.8	-11.7	-5.2	-7.7									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	63.6	29.4	-9.4	-1.3	-3.4									

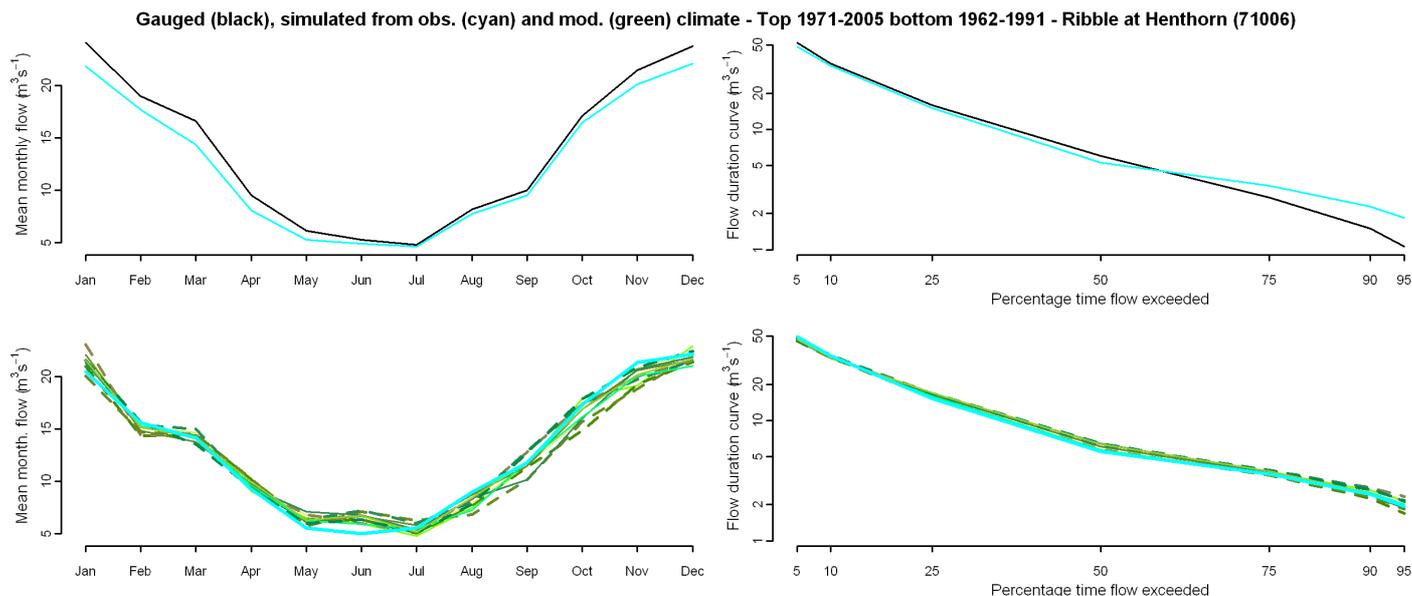
Gauged (black) and simulated (cyan) flows from observed climate - Ribble at Henthorn (71006)



Gauged (black) and simulated (cyan) flows from observed climate - Ribble at Henthorn (71006)



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	-2	2	6	2	-1	-1	4	0	2	2
January	8	2	9	10	9	4	2	8	6	2	10
April	-3	3	1	9	4	10	3	5	-1	2	5
July	-13	0	2	1	4	15	-3	8	-5	-9	-7
October	5	-6	-9	6	-2	-7	3	1	-5	4	-1
Q90	9	-7	1	16	-2	-5	-5	11	2	5	2
Q75	4	-2	1	7	0	-3	2	8	0	4	5
Q50	11	2	9	14	8	3	14	14	3	14	14
Q25	8	0	8	11	6	3	8	11	4	8	11
Q5	-6	-4	-3	-2	-5	-7	-8	-3	-6	-7	-5
RP2	1	3	-5	0	4	1	2	3	5	5	-1
RP10	1	2	-6	-3	6	2	3	0	9	8	1

Climate change graphs for 2050s

