

General Information

River Name	Walkham	Catchment Area (km2)	45
Station Name	Horrabridge	SAAR (mm) 61-90	1666
Station Number	47014	Mean Annual Rain (mm) 62-91	1644
Grid Reference	SX513699	Mean Annual PE (mm) 62-91	602
EA Region	EA-SW	Observed flow record	1976 to 2005



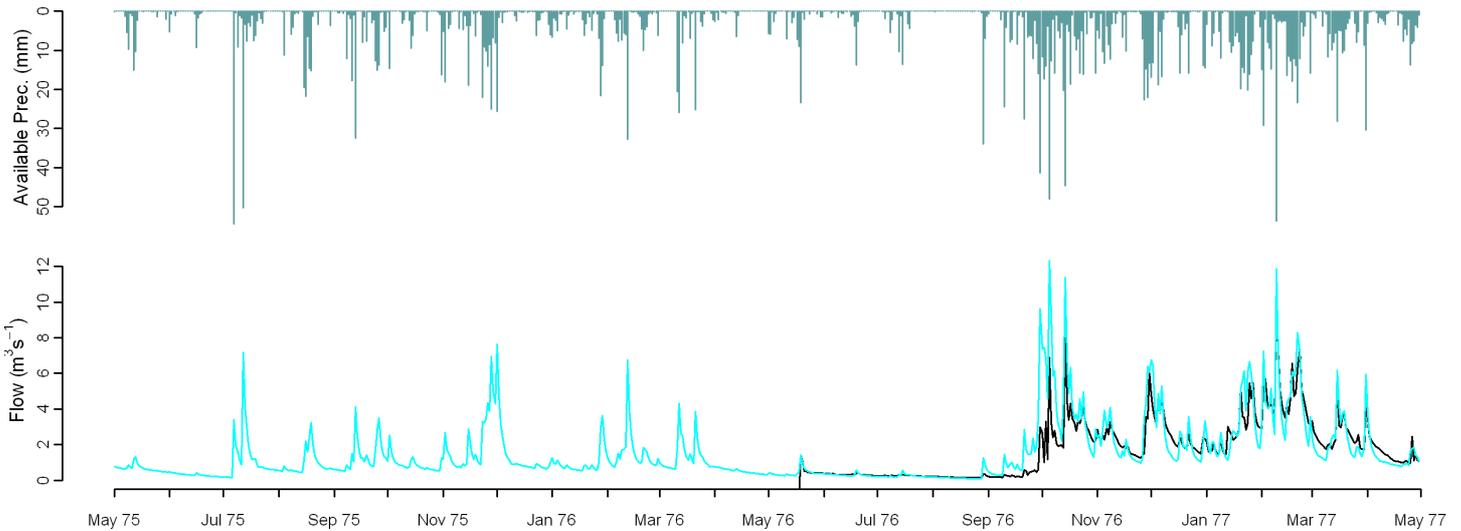
Observed Data

Comparison of gauged and simulated flow

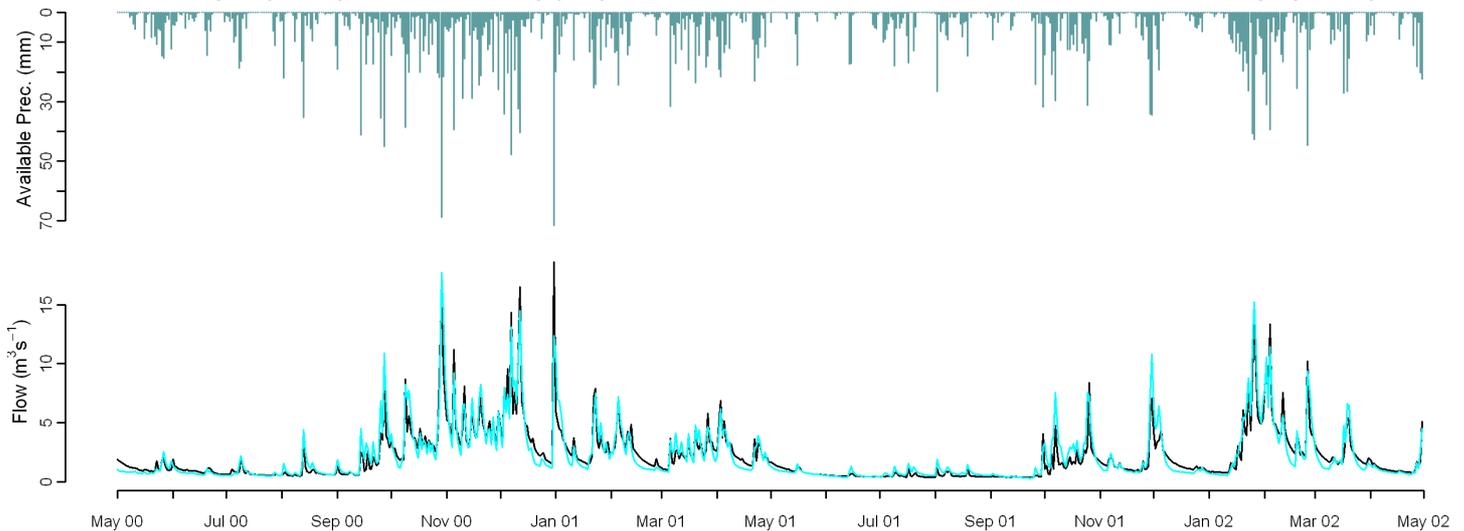
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	5.0	-1.2	-2.0	-3.3	-9.1	-6.1	3.5	15.0	24.5	37.6	26.2	5.6	4.0	0.77
Performance Band	1	1	1	1	2	2	1	2	2	3	2	1	1	1
MORECS (1962-1991)	4.9	-2.0	-2.1	-0.7	-12.8	-7.7	10.6	17.3	17.3	48.9	27.7	2.4	5.4	0.76
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	1.6	2.1	-11.1	0.7	22.8									
Performance Band	1	1	2	2	2									
MORECS (1962-1991)	-1.7	7.5	-10.8	-2.0	22.7									

Gauged (black) and simulated (cyan) flows from observed climate - Walkham at Horrabridge (47014)

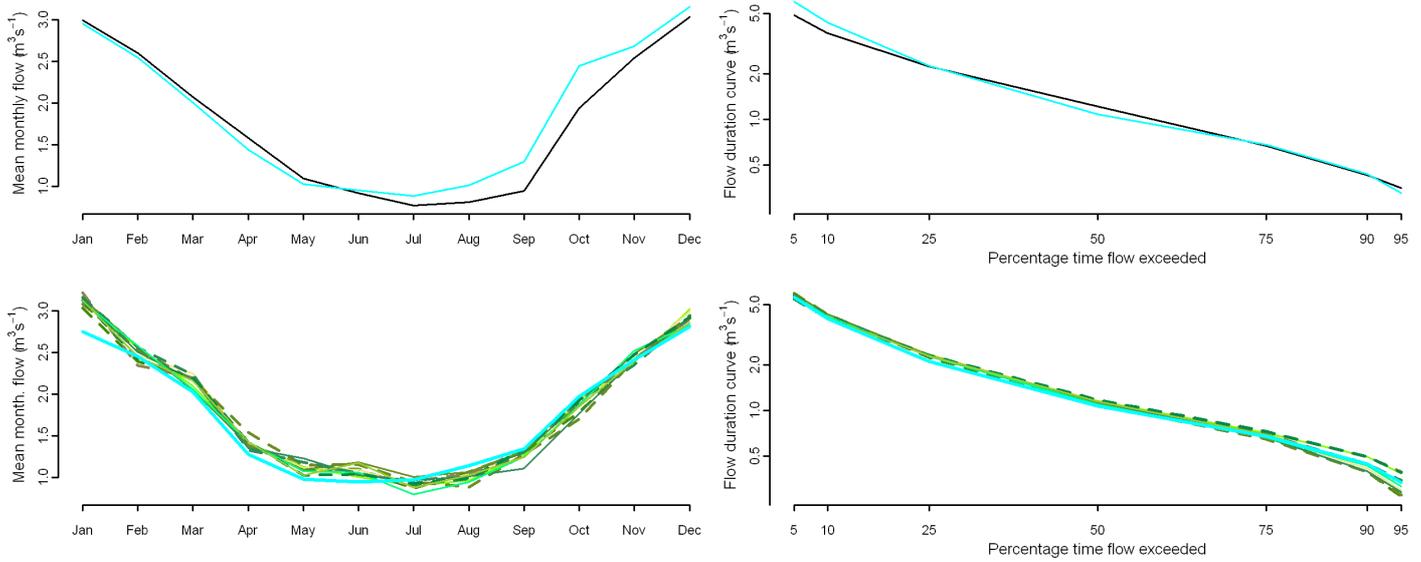


Gauged (black) and simulated (cyan) flows from observed climate - Walkham at Horrabridge (47014)



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 - Walkham at Horrabridge (47014)



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

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	5	4	4	5	5	5	3	6	2	2	4
January	15	10	18	16	14	14	14	17	11	12	16
April	11	5	13	13	11	21	10	7	12	10	15
July	-8	-5	-9	2	-1	1	1	-2	-16	-9	-10
October	-3	-3	-7	2	-8	-10	-4	-5	-3	-2	-4
Q90	11	-12	-7	12	-6	-14	-12	-1	-4	5	0
Q75	6	-2	1	8	-3	-5	-1	3	-2	5	2
Q50	8	1	7	10	4	3	8	9	3	9	7
Q25	9	7	13	10	9	10	10	12	7	8	9
Q5	1	7	2	1	4	4	1	4	1	-4	0
RP2	4	7	1	6	4	7	14	12	9	9	7
RP10	1	7	2	10	0	8	9	8	14	8	-1

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Walkham at Horrabridge (47014)

