

General Information

River Name	Isle	Catchment Area (km ²)	90
Station Name	Ashford Mill	SAAR (mm) 61-90	887
Station Number	52004	Mean Annual Rain (mm) 62-91	893
Grid Reference	ST361188	Mean Annual PE (mm) 62-91	569
EA Region	EA-SW	Observed flow record	1962 to 2005



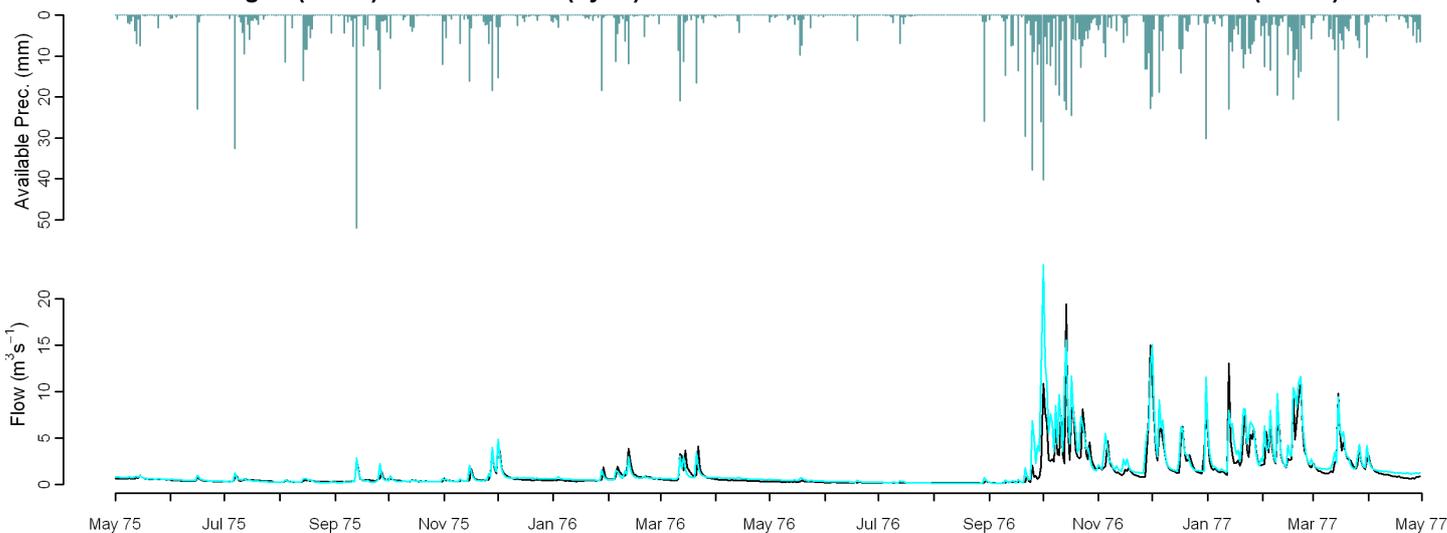
Observed Data

Comparison of gauged and simulated flow

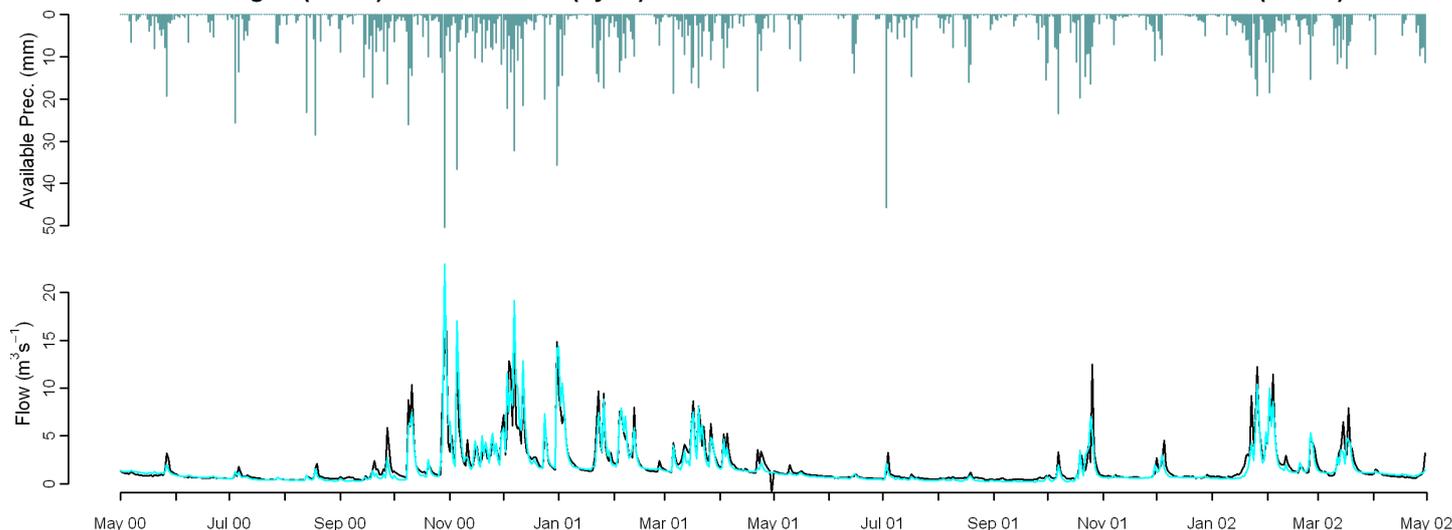
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-2.1	1.0	3.1	-4.8	-8.1	-5.7	-7.6	-3.8	-14.1	-13.7	-5.4	0.6	1.4	0.78
Performance Band	1	1	1	1	1	1	1	1	1	1	2	1	1	1
MORECS (1962-1991)	0.4	4.4	2.4	-0.5	-0.4	-4.8	0.9	4.3	-4.0	-6.1	-1.5	-4.1	3.6	0.76
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	-23.4	-9.1	4.9	-6.3	7.3									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-19.5	-3.0	9.4	-3.0	7.4									

Gauged (black) and simulated (cyan) flows from observed climate - Isle at Ashford Mill (52004)

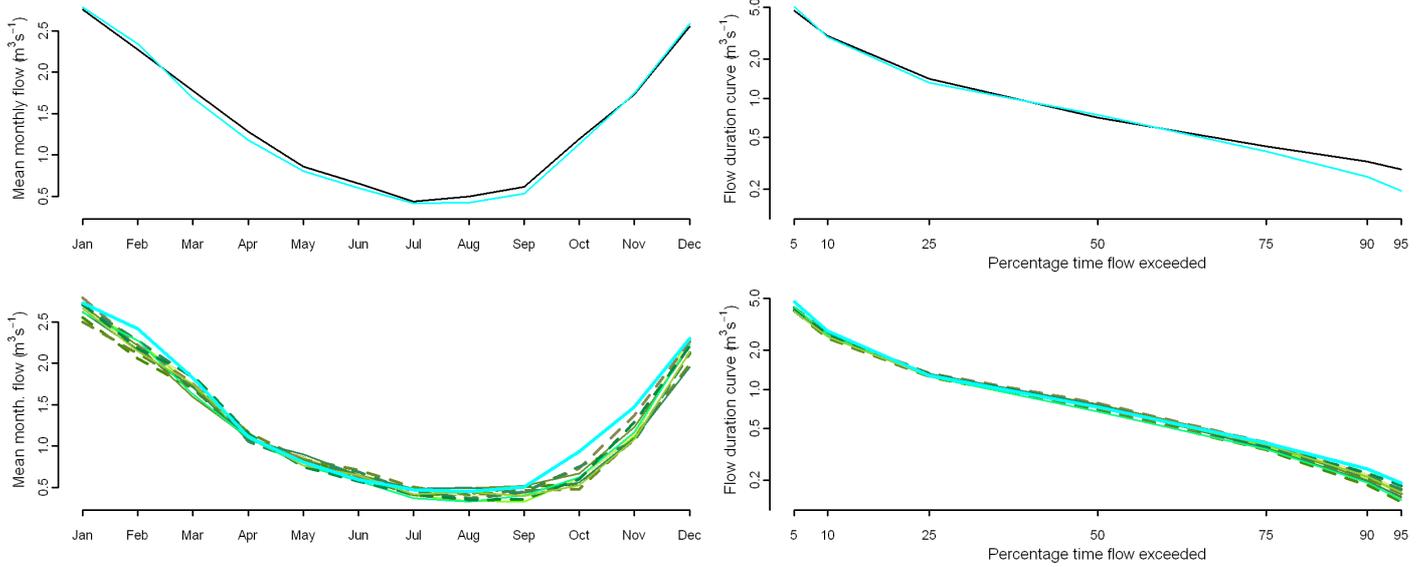


Gauged (black) and simulated (cyan) flows from observed climate - Isle at Ashford Mill (52004)



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 - Isle at Ashford Mill (52004)



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

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	-6	-9	-5	-3	-6	-9	-9	-4	-11	-9	-8
January	-1	-8	2	3	-1	-7	-4	1	-4	1	0
April	1	-6	5	4	1	5	0	-1	1	4	3
July	-9	-10	3	-10	-1	9	6	-1	-17	-12	-10
October	-35	-40	-35	-17	-35	-48	-38	-23	-33	-36	-43
Q90	-13	-26	-9	-7	-22	-16	-18	-12	-22	-9	-12
Q75	-6	-12	-1	3	-6	-12	-8	-4	-11	-8	-5
Q50	6	-5	1	10	2	-2	3	4	-9	-1	-3
Q25	2	-3	4	6	1	-2	3	3	-2	2	-1
Q5	-12	-15	-10	-10	-11	-15	-14	-8	-10	-15	-16
RP2	-17	-10	-13	-10	-17	-13	-15	-9	-16	-13	-11
RP10	-23	-6	-17	-23	-26	-15	-14	-16	-22	-21	-24

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Isle at Ashford Mill (52004)

