

General Information

River Name	Swale	Catchment Area (km ²)	1363
Station Name	Crakehill	SAAR (mm) 61-90	835
Station Number	27071	Mean Annual Rain (mm) 62-91	852
Grid Reference	SE425734	Mean Annual PE (mm) 62-91	551
EA Region	EA-NE	Observed flow record	1961 to 2005



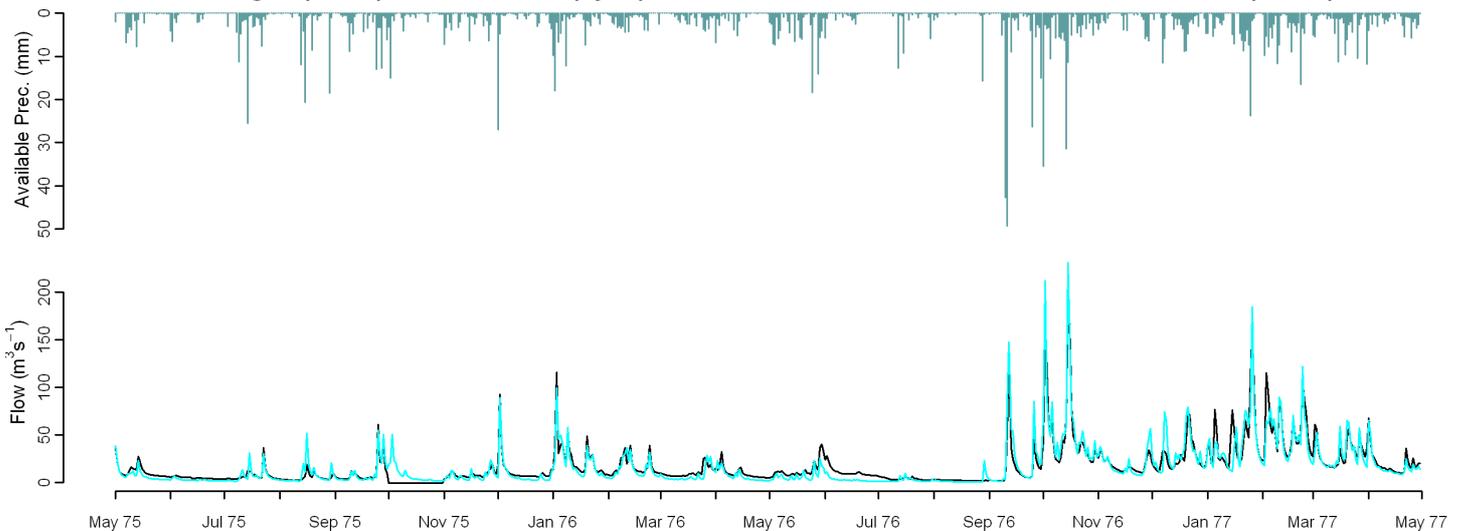
Observed Data

Comparison of gauged and simulated flow

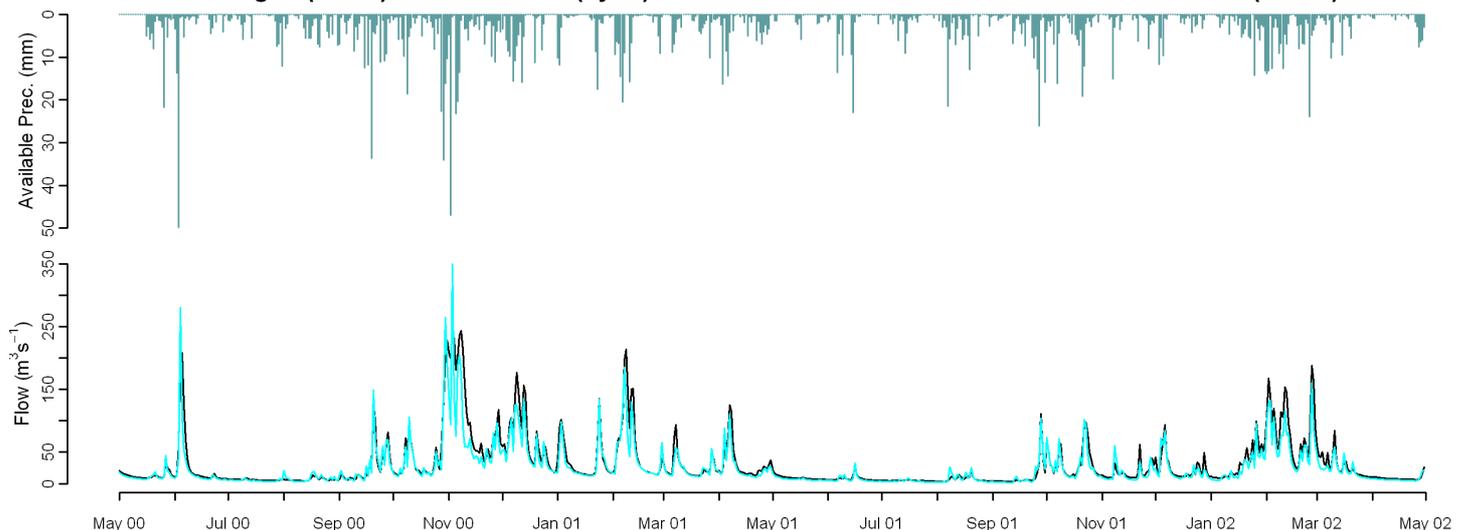
Model used: CLASSIC

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-9.6	-9.4	-11.1	-6.9	-12.0	-22.0	-21.2	-16.3	-9.2	-4.5	-5.1	-7.2	-5.8	0.86
Performance Band	1	1	2	1	2	2	2	2	1	1	1	1	1	1
FAO (1962-1991)	-1.6	-0.1	-4.5	-3.5	-6.0	-13.0	-13.4	-9.7	-2.5	5.2	-0.3	7.0	2.3	0.85
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-38.8	-28.3	-15.8	-1.1	-6.8	-0.7	11.0	19.6	28.2					
Performance Band	2	2	2	1	1									
FAO (1962-1991)	-34.9	-25.1	-11.8	3.8	4.1	6.4	15.9	22.0	27.6					

Gauged (black) and simulated (cyan) flows from observed climate - Swale at Crakehill (27071)

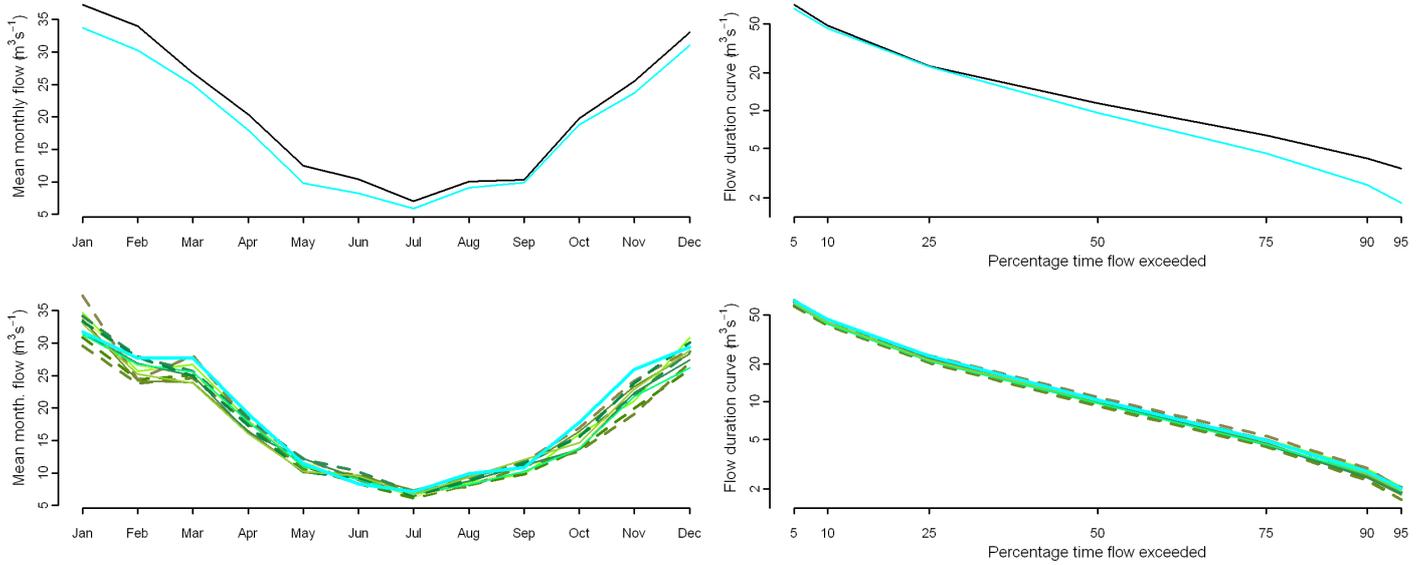


Gauged (black) and simulated (cyan) flows from observed climate - Swale at Crakehill (27071)



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 - Swale at Crakehill (27071)



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	-9	-4	3	-5	-8	-6	2	-6	-2	-5
January	11	-5	6	16	8	-2	-1	9	2	5	7
April	-4	-11	-3	-1	-12	-7	-15	1	-6	-8	-13
July	-9	-3	-6	-1	2	1	-8	-2	-8	-12	-6
October	-8	-18	-21	-1	-8	-22	-11	-9	-19	-12	-16
Q90	6	-14	-11	10	-12	-16	-14	-3	-5	-6	-3
Q75	3	-10	-6	11	-7	-10	-10	3	-7	-1	0
Q50	0	-9	-3	8	-4	-9	-3	2	-6	-1	-3
Q25	-3	-11	-2	3	-8	-10	-5	-1	-9	-1	-8
Q5	-2	-10	-3	1	-3	-9	-9	4	-6	-4	-6
RP2	-8	-10	-9	2	8	3	-8	5	-1	-6	7
RP10	-13	-12	-7	-7	-4	-4	-1	1	-6	-8	2

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Swale at Crakehill (27071)

