

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	846
Grid Reference	SE425734	Mean Annual PE (mm) 62-91	552
EA Region	EA-NE	Observed flow record	1961 to 2005



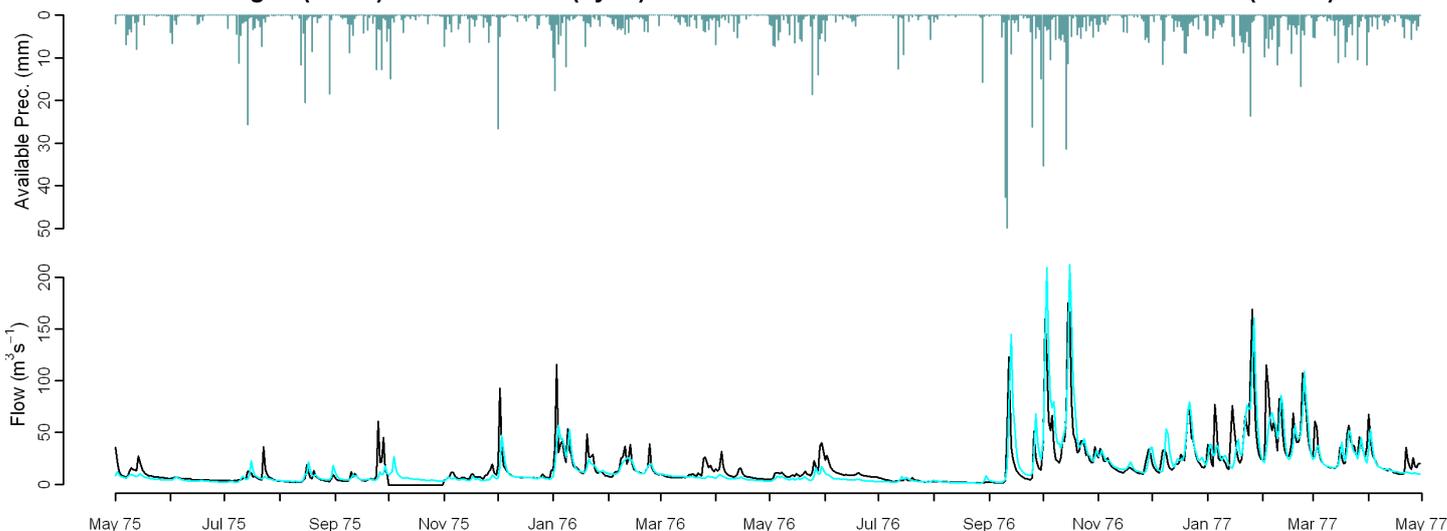
Observed Data

Comparison of gauged and simulated flow

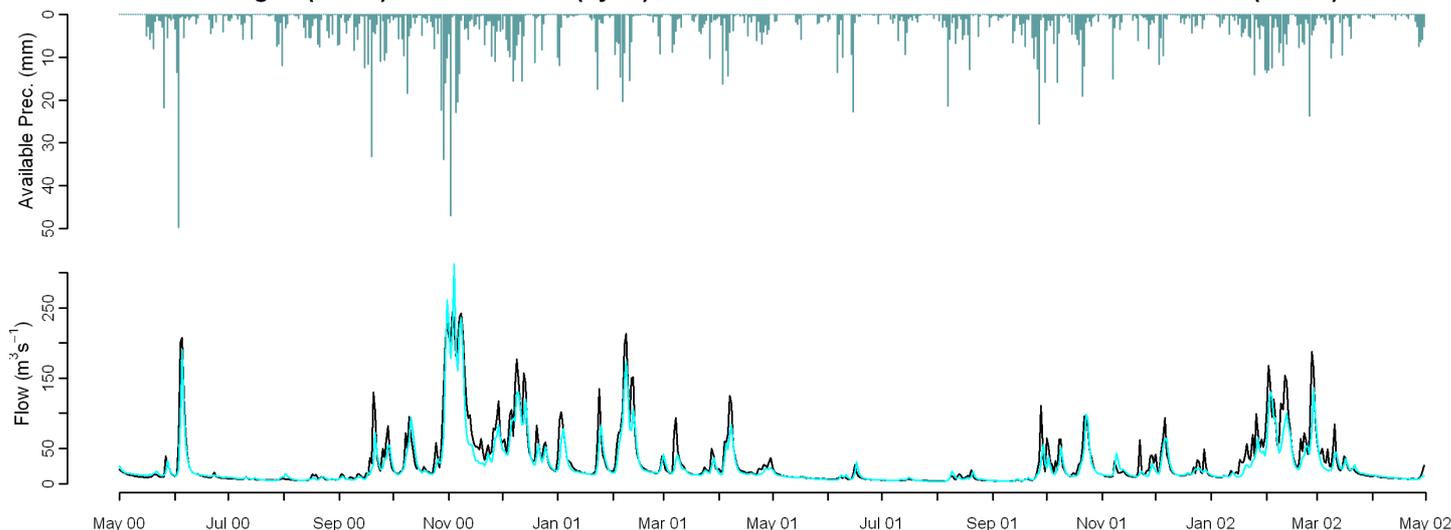
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-10.5	-4.1	-7.0	-12.4	-11.4	-20.4	-22.6	-13.2	-12.5	-21.0	-18.7	-12.5	-1.9	0.70
Performance Band	2	1	1	1	2	2	2	2	2	2	2	2	1	1
MORECS (1962-1991)	-6.9	2.0	0.2	-9.5	-10.2	-20.6	-18.9	-14.0	-12.3	-20.7	-17.3	-10.2	1.5	0.61
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-9.3	-10.2	-8.6	-11.6	-10.7									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-9.9	-10.3	-10.4	-12.6	-3.2									

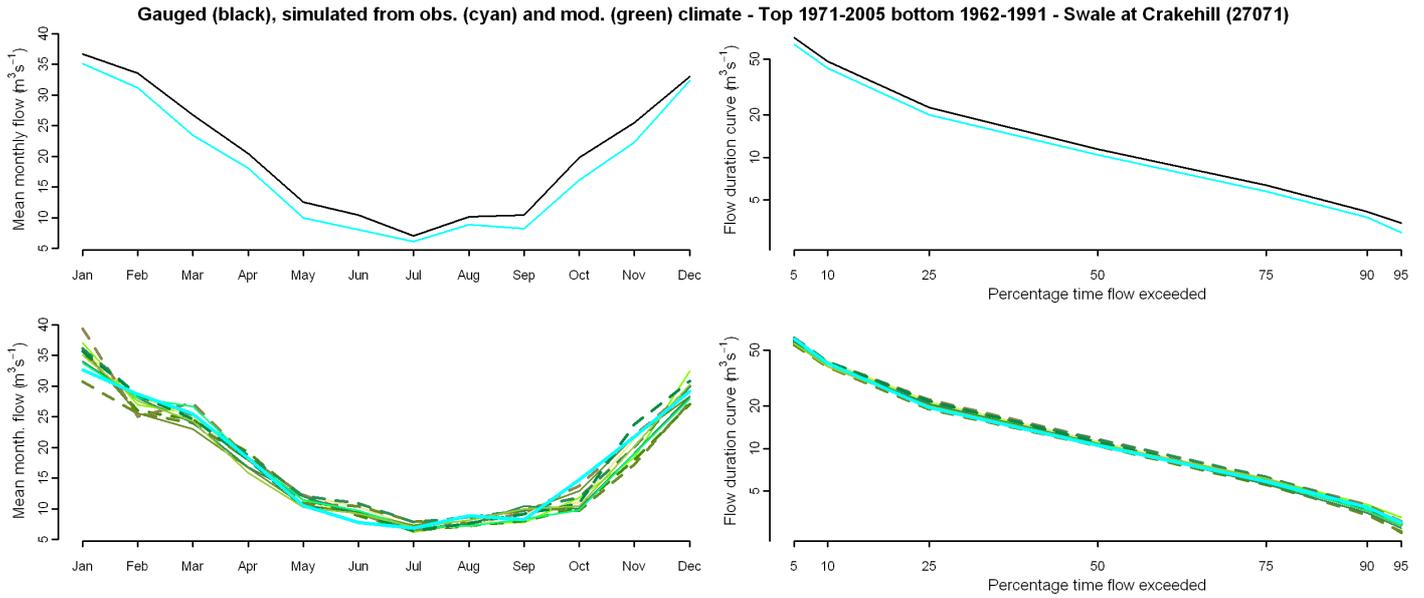
Gauged (black) and simulated (cyan) flows from observed climate - Swale at Crakehill (27071)



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



Comparison of gauged and simulated flow (observed and modelled climate)



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	-4	2	7	-1	-3	-5	5	-3	1	-3
January	15	3	11	20	11	-1	2	13	6	8	8
April	2	-6	2	5	-8	0	-8	9	2	-1	-10
July	-7	6	4	-1	7	16	-1	15	-2	-8	4
October	-18	-27	-24	-2	-14	-32	-21	-13	-31	-25	-27
Q90	6	-9	-5	8	-9	-12	-12	0	-6	-6	-1
Q75	5	-4	1	9	-4	-3	-7	9	-3	-2	4
Q50	4	0	5	13	0	0	1	11	0	5	1
Q25	8	1	10	16	2	0	4	13	1	11	2
Q5	-5	-9	-1	1	-4	-8	-8	5	-4	-4	-9
RP2	-2	-9	-8	1	3	8	-3	7	1	-1	11
RP10	-11	-12	-11	-12	-9	2	-2	-6	2	-10	4

Climate change graphs for 2050s

