

General Information

River Name	Skerne	Catchment Area (km ²)	147
Station Name	Preston le Skerne	SAAR (mm) 61-90	654
Station Number	25020	Mean Annual Rain (mm) 62-91	658
Grid Reference	NZ292238	Mean Annual PE (mm) 62-91	576
EA Region	EA-NE	Observed flow record	1972 to 2005



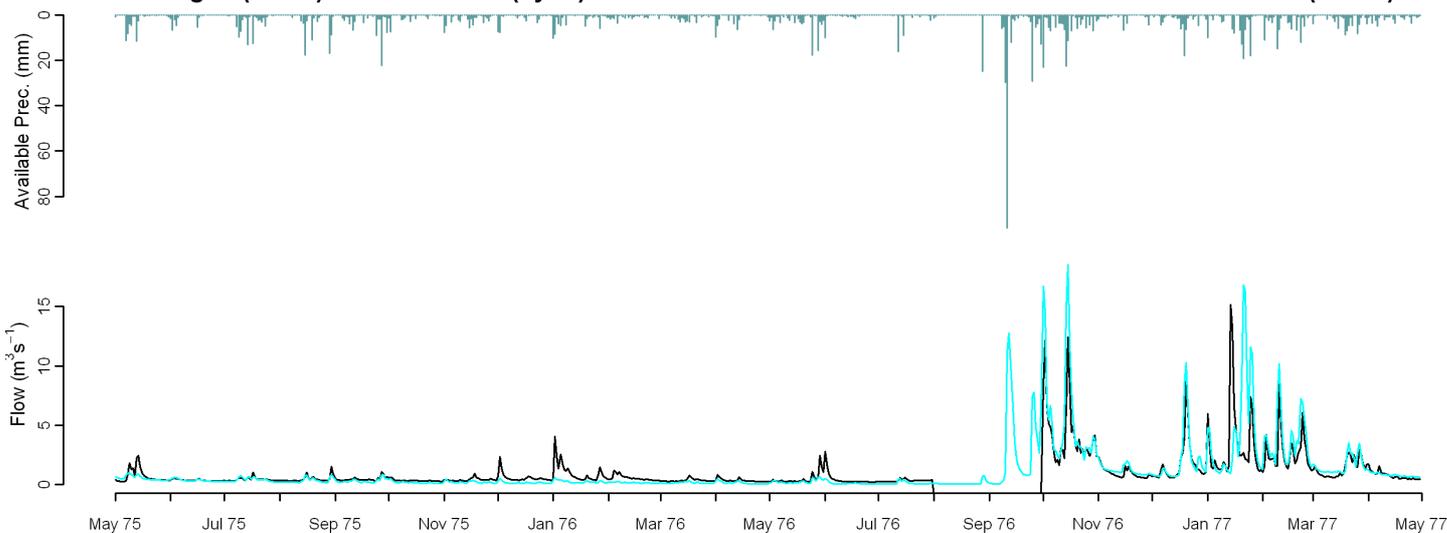
Observed Data

Comparison of gauged and simulated flow

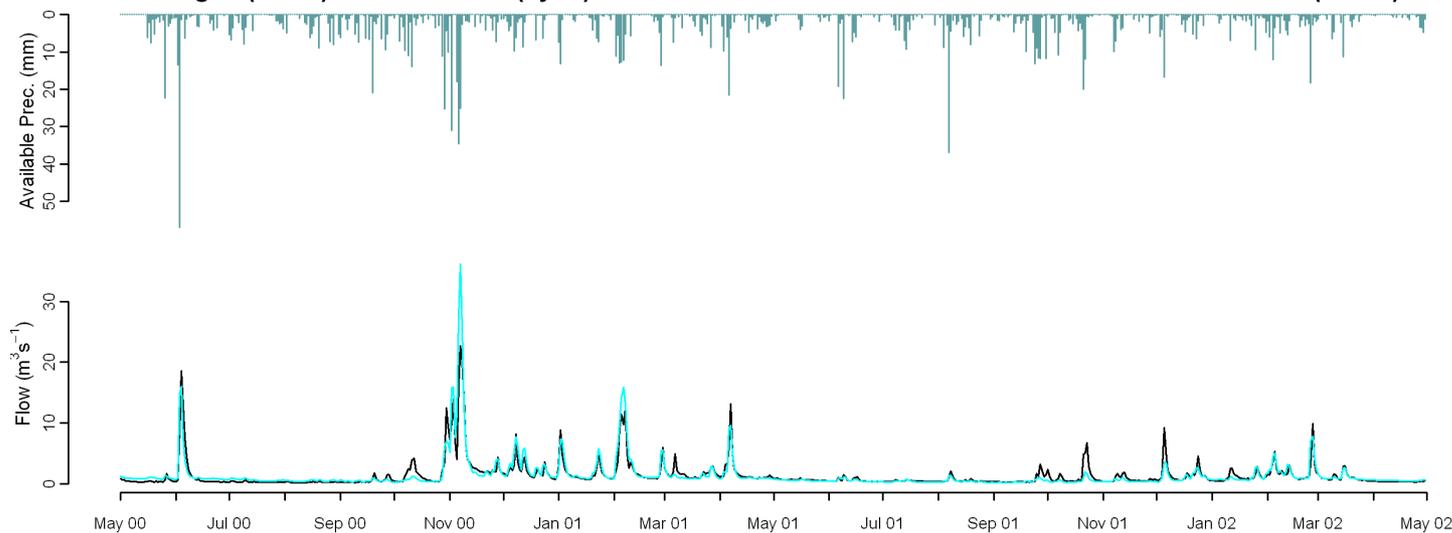
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe	
MORECS (1971-2005)	0.2	13.2	18.7	5.4	-2.9	7.5	7.5	3.1	-4.7	-5.8	-21.2	-12.6	-11.1	0.64	
Performance Band	1	2	2	2	1	1	1	1	2	2	2	3	2	2	
MORECS (1962-1991)	-5.4	11.1	15.9	4.3	5.1	-3.7	5.8	-14.4	-16.9	-11.8	-15.9	-33.9	-26.1	0.60	
	Q90	Q75	Q50	Q25	Q5										
MORECS (1971-2005)	-1.0	2.9	14.0	2.3	5.1										
Performance Band	1	1	2	1	1										
MORECS (1962-1991)	-24.2	-18.4	-3.4	0.7	2.1										
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20						
MORECS (1971-2005)	-1.0	2.9	14.0	2.3	5.1										
Performance Band	1	1	2	1	1										
MORECS (1962-1991)	-24.2	-18.4	-3.4	0.7	2.1										

Gauged (black) and simulated (cyan) flows from observed climate - Skerne at Preston le Skerne (25020)

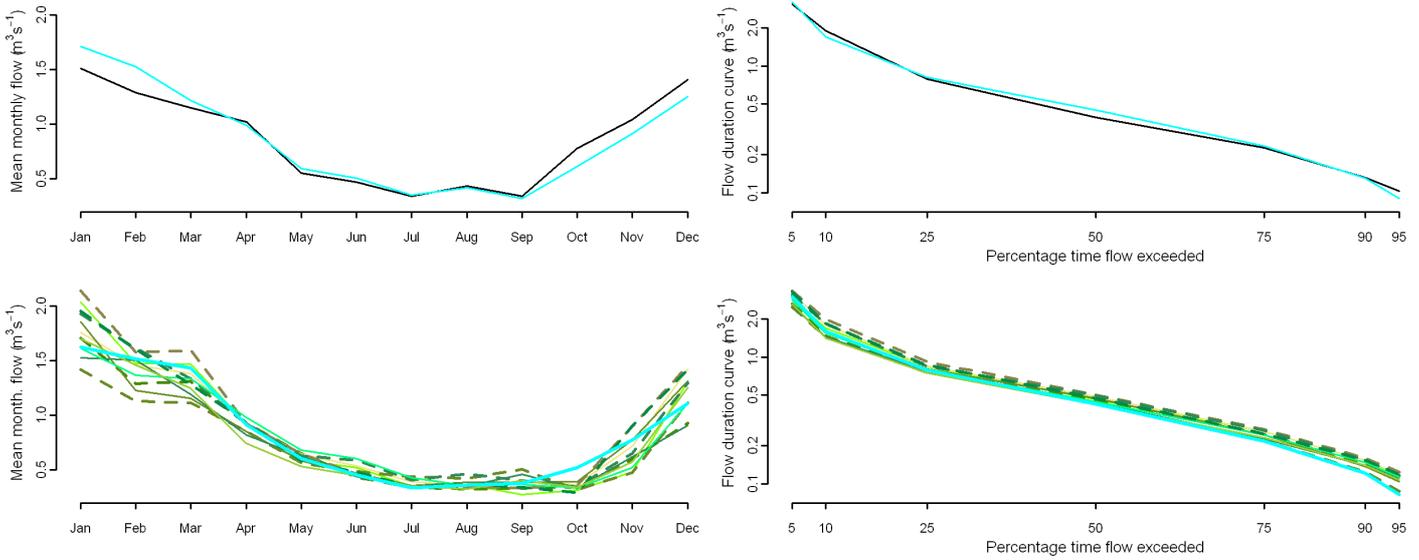


Gauged (black) and simulated (cyan) flows from observed climate - Skerne at Preston le Skerne (25020)



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 - Skerne at Preston le Skerne (25020)



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	-10	4	14	-5	-6	-12	7	-6	4	-10
January	29	-7	11	35	13	-4	-8	20	2	21	3
April	2	-10	5	4	-6	-5	-11	8	9	3	-16
July	8	5	20	9	5	33	3	23	24	2	7
October	-37	-31	-29	-28	-28	-37	-30	-30	-35	-44	-34
Q90	29	19	25	37	12	6	15	32	21	25	17
Q75	21	14	18	27	8	3	5	26	11	14	7
Q50	10	6	13	20	7	3	1	20	3	9	-1
Q25	8	-3	7	17	1	-1	-2	11	0	9	-5
Q5	-2	-16	7	14	-5	-12	-16	9	-7	9	-16
RP2	-3	-29	-19	-8	-20	-13	-22	-6	-13	-7	-12
RP10	-14	-32	-24	-19	-28	-21	-15	-18	-22	-22	-6

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Skerne at Preston le Skerne (25020)

