

General Information

River Name	Kent	Catchment Area (km ²)	209
Station Name	Sedgwick	SAAR (mm) 61-90	1726
Station Number	73005	Mean Annual Rain (mm) 62-91	1707
Grid Reference	SD509874	Mean Annual PE (mm) 62-91	456
EA Region	EA-NW	Observed flow record	1968 to 2005



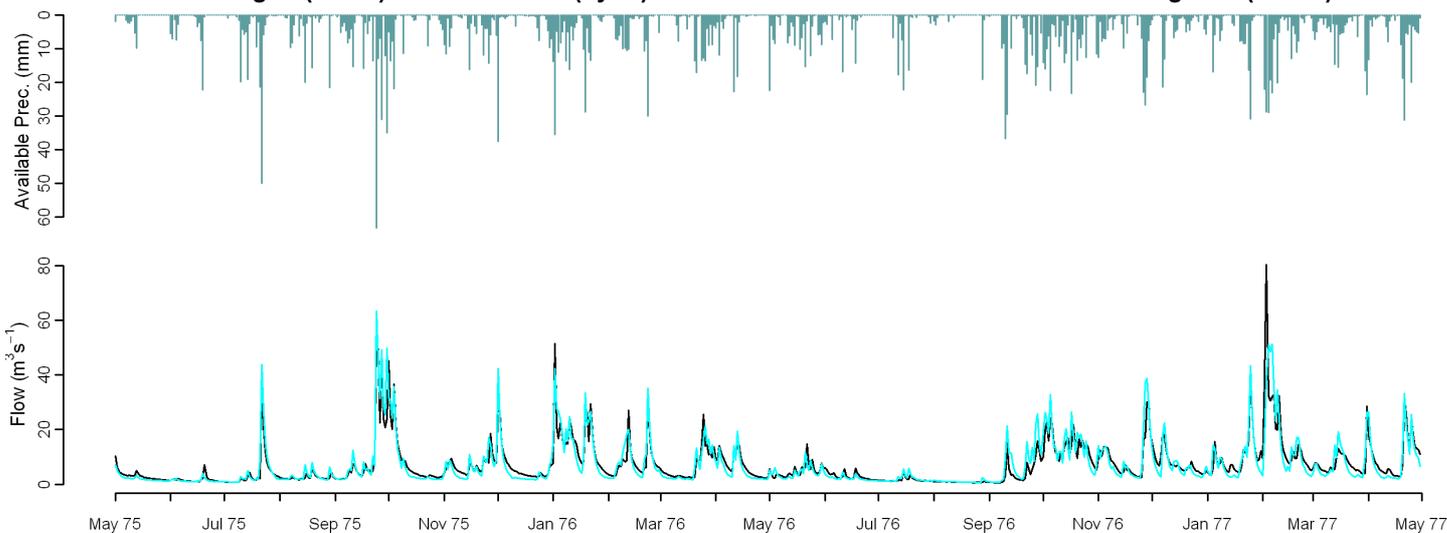
Observed Data

Comparison of gauged and simulated flow

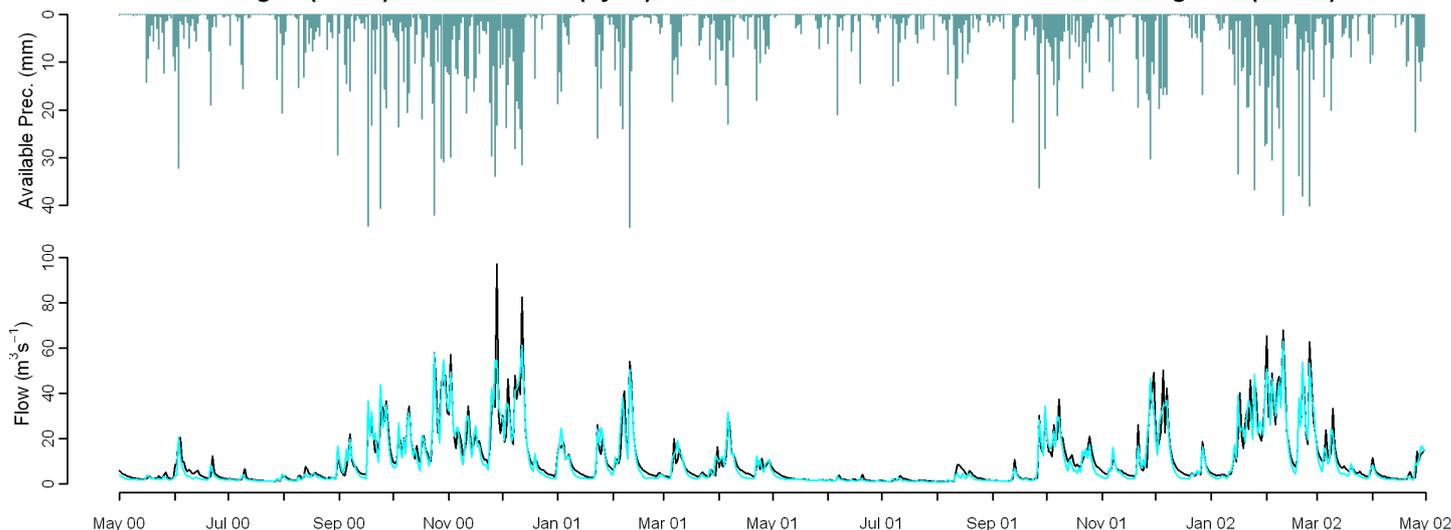
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-3.5	-3.2	-3.7	-6.1	-12.5	-16.5	-12.0	-4.8	0.6	4.5	0.1	-1.2	-2.0	0.84
Performance Band	1	1	1	1	2	2	2	1	1	1	1	1	1	1
MORECS (1962-1991)	-1.6	-0.6	-3.5	-3.8	-10.6	-15.0	-6.3	1.4	4.1	6.4	-0.2	0.4	-2.1	0.84
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	-8.0	-18.4	-24.9	-1.0	8.3									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-8.7	-18.7	-22.8	0.8	11.4									

Gauged (black) and simulated (cyan) flows from observed climate - Kent at Sedgwick (73005)

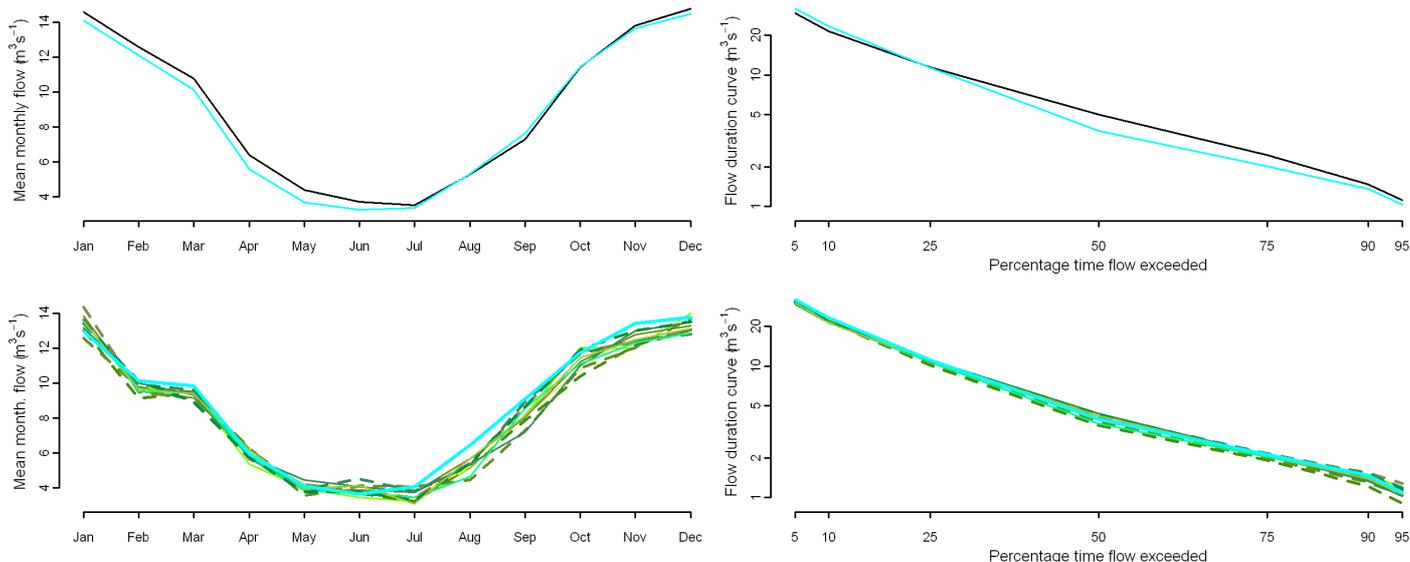


Gauged (black) and simulated (cyan) flows from observed climate - Kent at Sedgwick (73005)



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 - Kent at Sedgwick (73005)



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

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	-3	-6	-2	0	-3	-4	-4	-1	-4	-2	-3
January	5	2	6	8	7	3	-1	7	4	0	10
April	-9	0	-4	2	-2	5	0	-1	-7	-2	0
July	-20	-16	-10	-10	-9	-3	-9	-7	-18	-22	-24
October	4	-3	-10	4	-4	-5	4	-2	-3	3	-1
Q90	1	-17	-9	6	-11	-12	-12	3	-4	-5	-5
Q75	-1	-9	-4	1	-5	-8	-2	2	-4	-2	-1
Q50	3	-10	-2	4	0	-5	10	7	-6	6	5
Q25	-2	-8	0	-1	-2	-4	0	0	-4	-2	-1
Q5	-7	-2	-5	-2	-4	-5	-8	-2	-5	-6	-6
RP2	-3	-2	-3	-1	-2	-5	-5	-5	1	1	-3
RP10	-4	-7	-4	-2	-7	-11	-7	-9	-5	-4	-8

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Kent at Sedgwick (73005)

