

General Information

River Name	Kent	Catchment Area (km2)	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



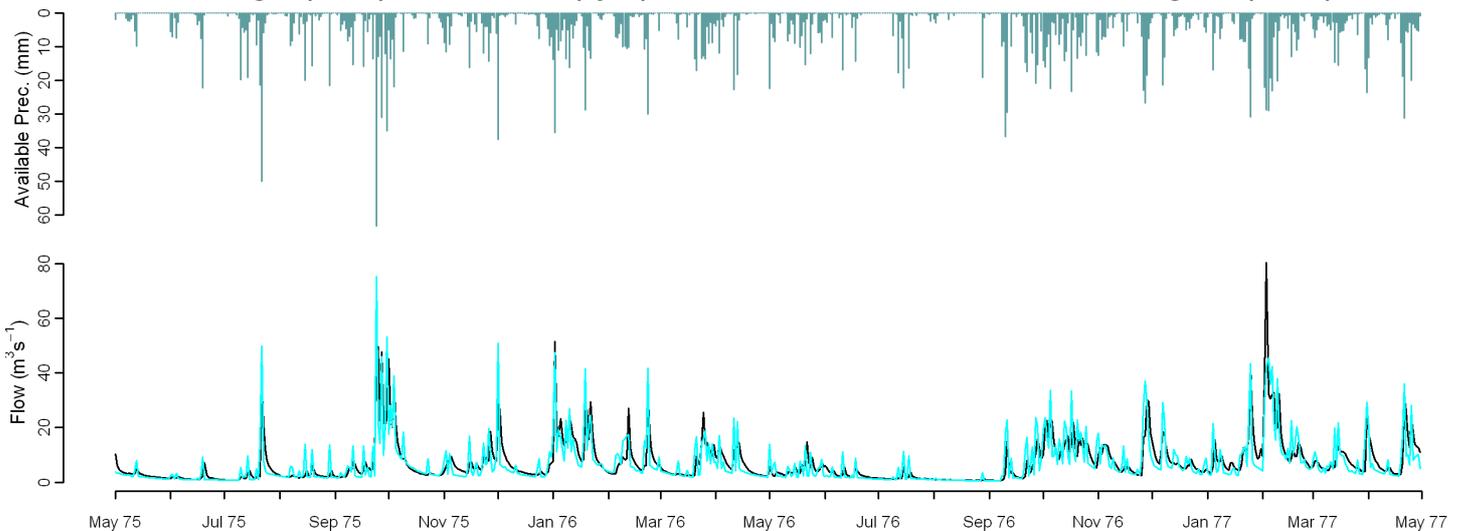
Observed Data

Comparison of gauged and simulated flow

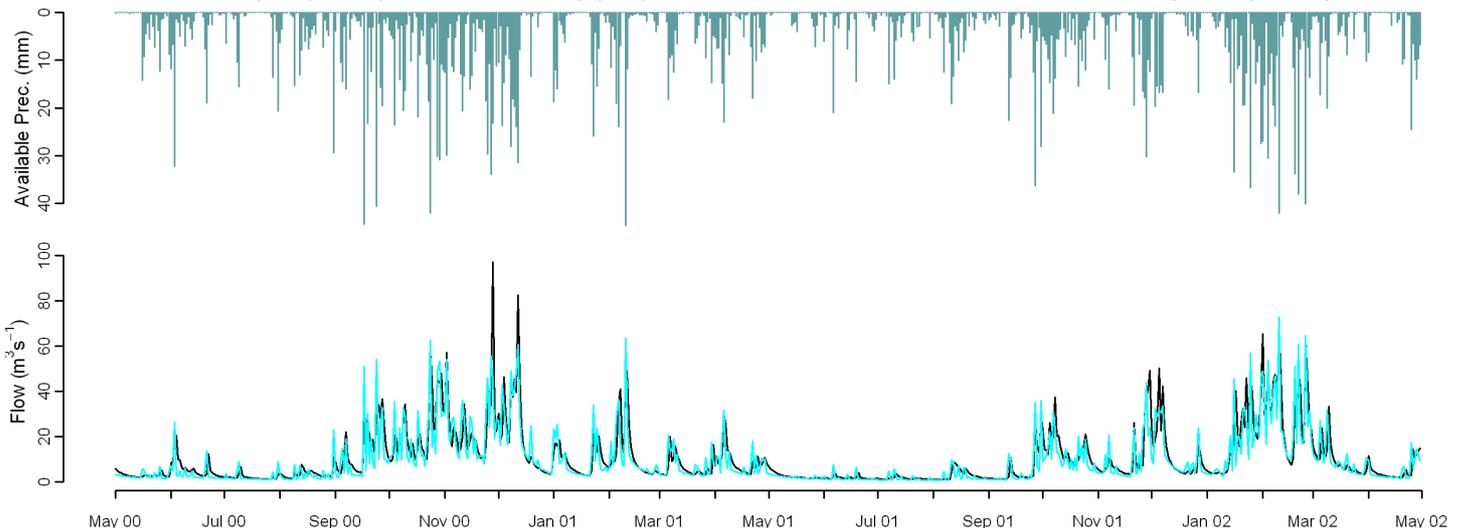
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-5.7	-2.9	-3.8	-6.3	-9.8	-16.6	-11.0	-7.6	-6.8	-4.6	-6.1	-4.2	-4.3	0.65
Performance Band	1	1	1	1	1	2	2	1	1	1	1	1	1	1
FAO (1962-1991)	0.0	1.4	-0.4	-2.9	-5.5	-4.5	-0.4	0.8	2.4	3.9	1.1	0.9	-0.6	0.62
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-21.2	-17.2	-12.3	-8.3	3.6	-13.9	-18.3	-21.9	-25.5					
Performance Band	1	1	1	1	1									
FAO (1962-1991)	-17.7	-9.9	-4.8	-0.8	8.8	-2.8	-11.5	-18.6	-25.6					

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

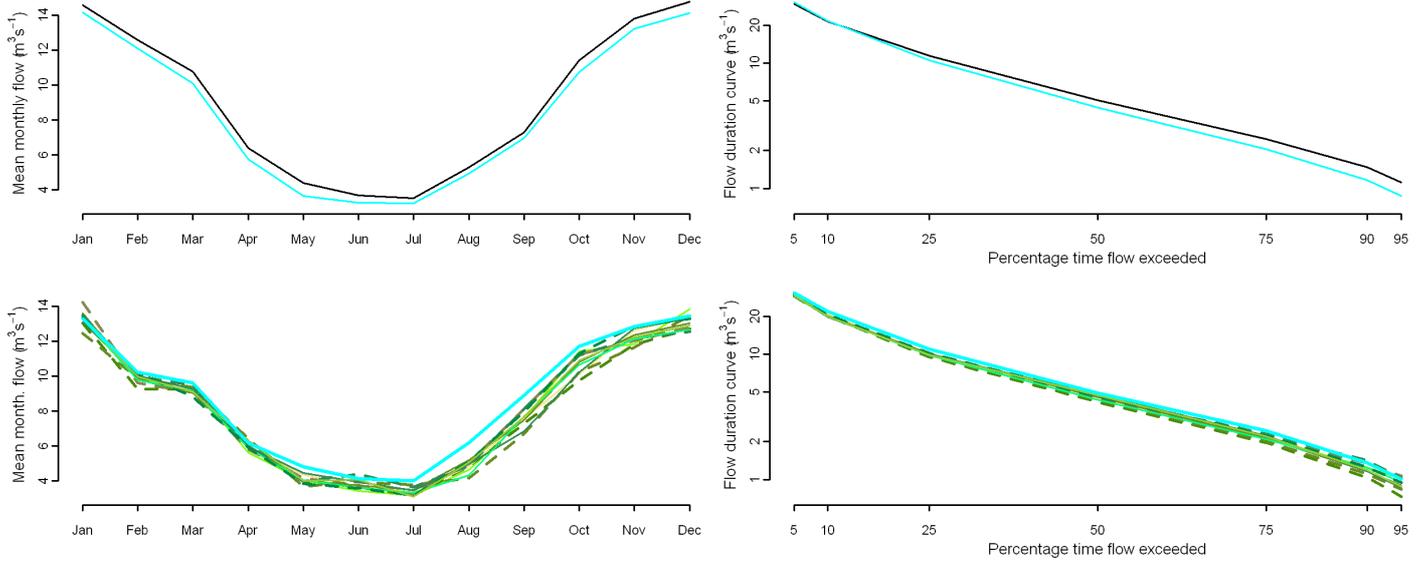


Gauged (black) and simulated (cyan) flows from observed climate - Kent at Sedgwick (73005)



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	-7	-10	-7	-4	-7	-9	-7	-5	-8	-6	-7
January	2	0	3	8	5	-2	-2	3	-1	-1	0
April	-7	-4	-3	-4	-4	2	-1	-3	-8	-4	-2
July	-21	-19	-17	-20	-14	-15	-17	-15	-21	-24	-25
October	-4	-15	-17	-2	-10	-14	-9	-8	-12	-6	-7
Q90	-6	-24	-16	-1	-17	-21	-17	1	-9	-10	-13
Q75	-12	-19	-14	-9	-15	-18	-10	-7	-15	-11	-12
Q50	-8	-15	-10	-6	-8	-12	-3	-7	-12	-6	-5
Q25	-10	-14	-9	-6	-9	-11	-10	-8	-11	-10	-11
Q5	-6	-3	-4	-3	-3	-6	-5	-5	-6	-2	-6
RP2	-6	-3	-7	-1	-6	-13	-8	-7	-4	-5	-7
RP10	-3	-7	-1	2	-8	-10	-9	-10	-5	-1	-7

Climate change graphs for 2050s

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

