

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

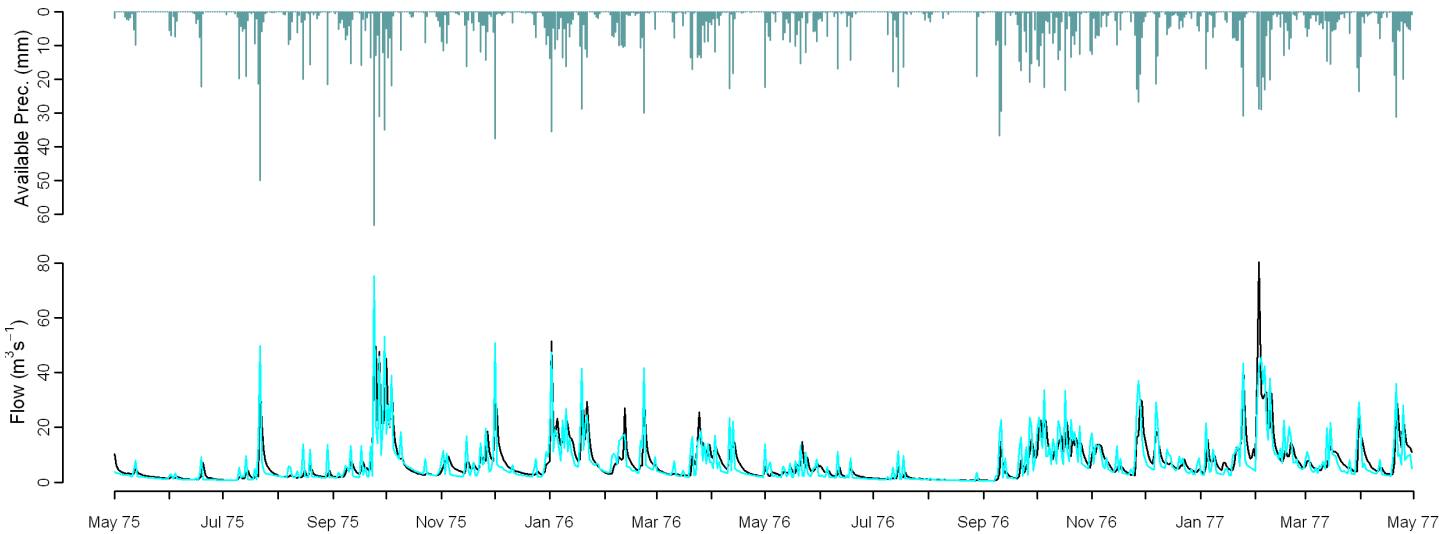
Comparison of gauged and simulated flow

Model used: PDM

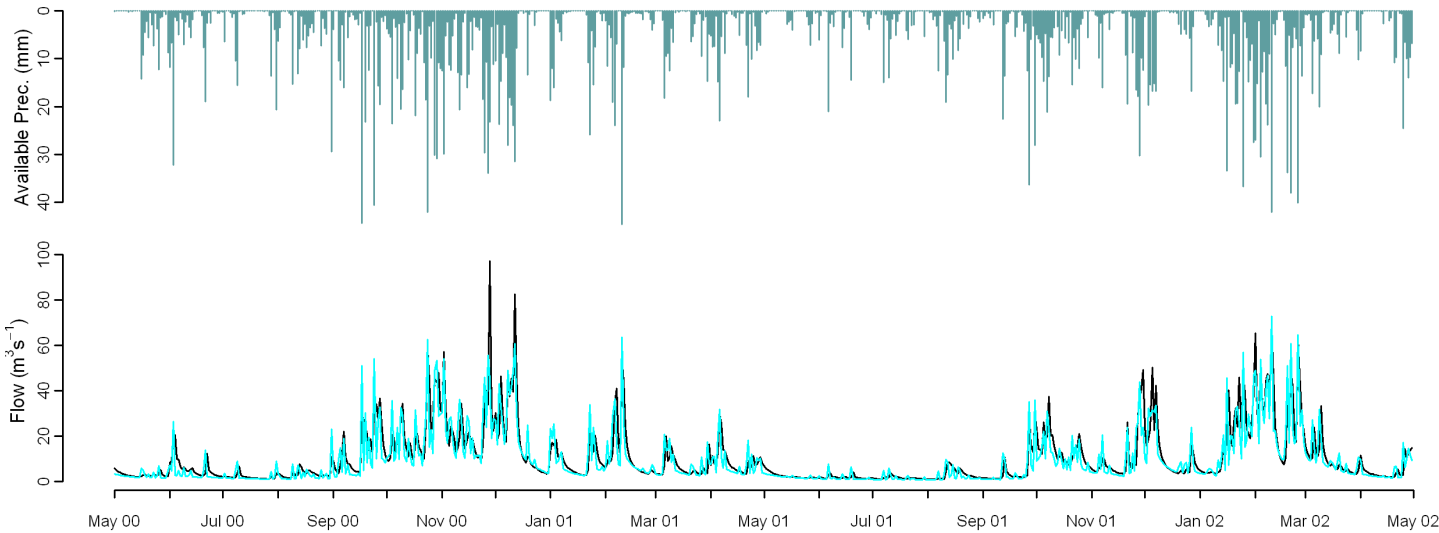
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-5.7	-2.9	-3.8	-6.3	-9.8	-16.6	-11.0	-7.6	-6.8	-4.6	-6.1	-4.2	-4.3	0.65
Performance Band	1	1	1	1	1	2	2	1	1	1	1	1	1	1
FAO (1962-1991)	0.0	1.4	-0.4	-2.9	-5.5	-4.5	-0.4	0.8	2.4	3.9	1.1	0.9	-0.6	0.62

	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

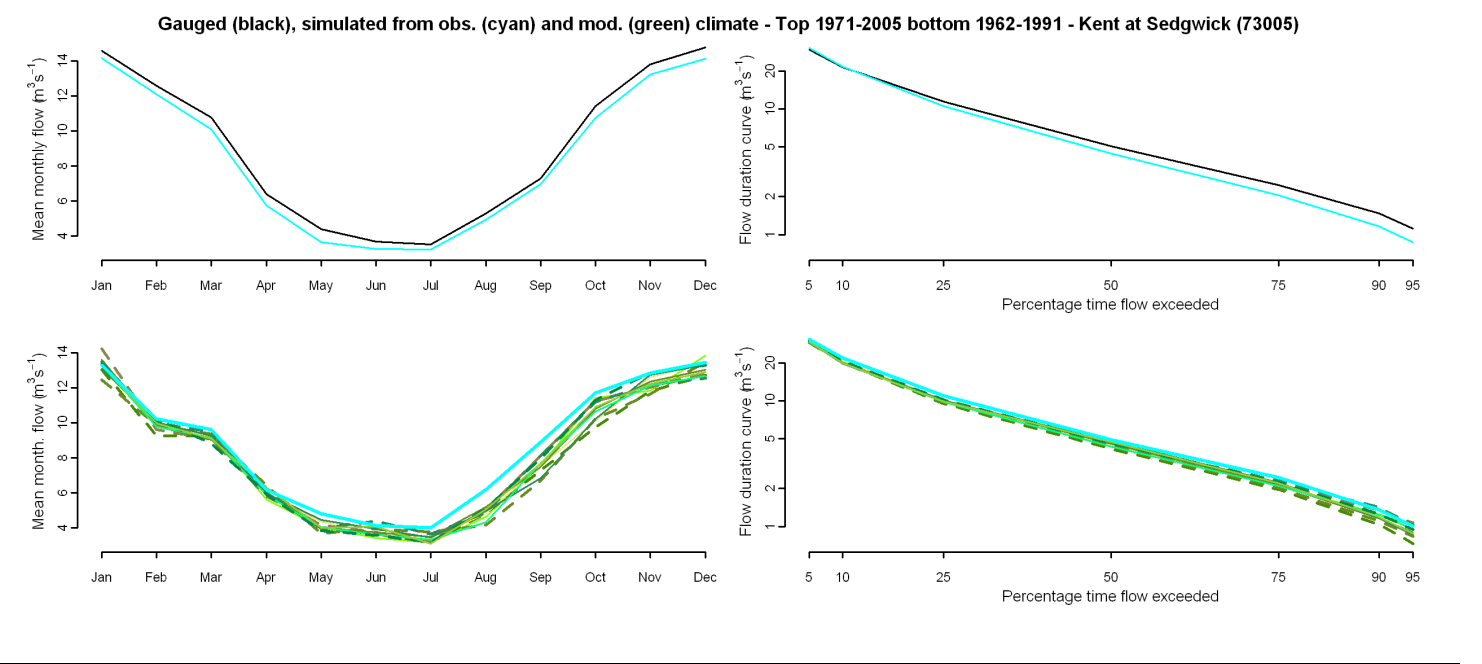
Gauged (black) and simulated (cyan) flows from observed climate - Kent at Sedgwick (73005)



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



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



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

