

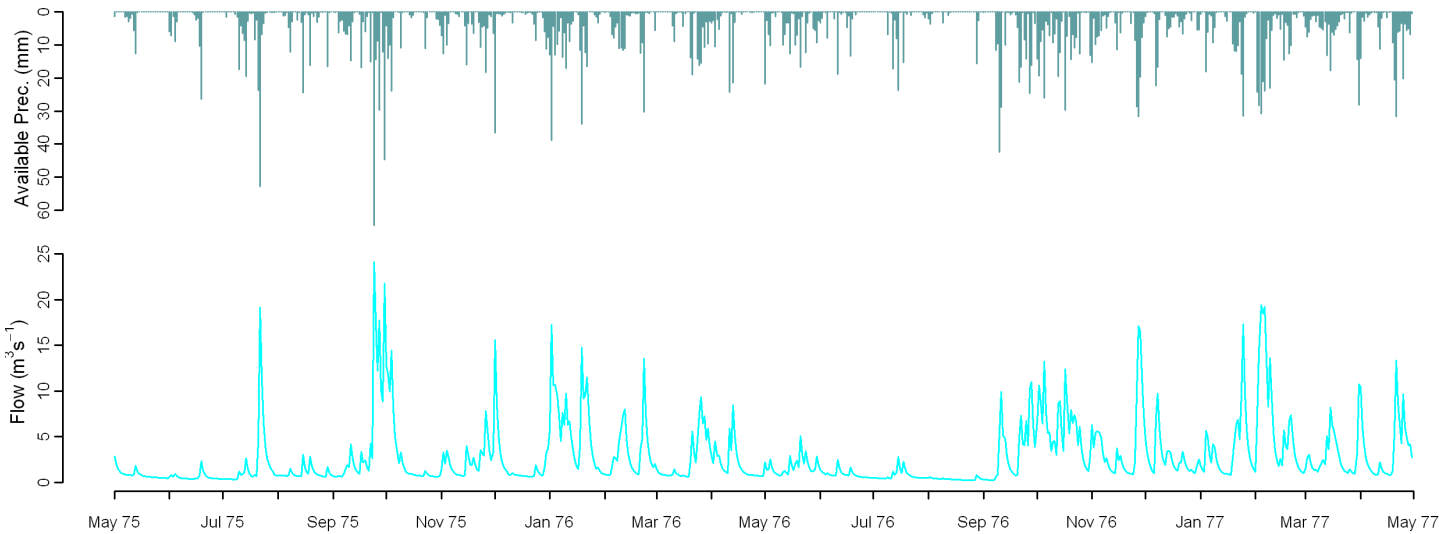
General Information

River Name	Kent	Catchment Area (km2)	74
Station Name	Burneside	SAAR (mm) 61-90	1895
Station Number	73003	Mean Annual Rain (mm) 62-91	1878
Grid Reference	SD507956	Mean Annual PE (mm) 62-91	456
EA Region	EA-NW	Observed flow record	1981 to 1999

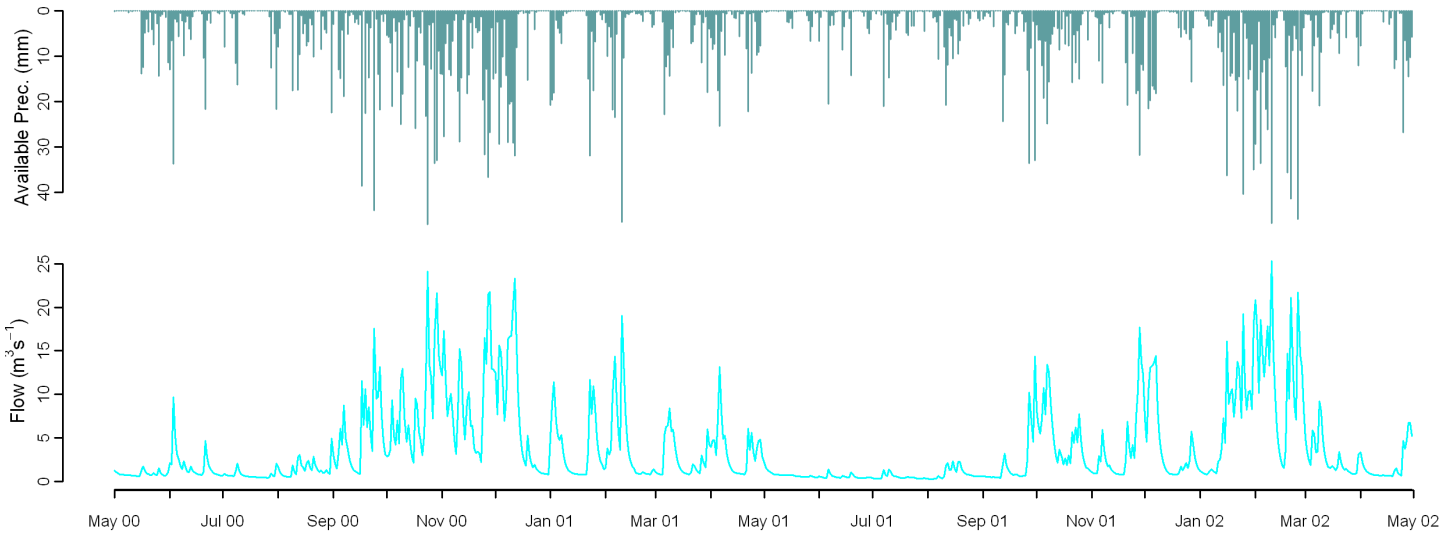


Observed Data	Comparison of gauged and simulated flow													Model used: CERF
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-2.4	-2.5	-4.3	-2.2	-10.8	-4.0	-2.8	0.2	-1.8	4.5	0.2	-3.6	-3.0	0.82
Performance Band	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MORECS (1962-1991)	-0.4	-1.1	-7.4	1.4	-8.6	1.0	3.3	3.5	-0.4	8.5	-1.5	-1.1	0.2	0.83
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	21.5	-8.8	-23.5	-2.1	4.7									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	26.4	-5.7	-18.7	2.3	6.4									

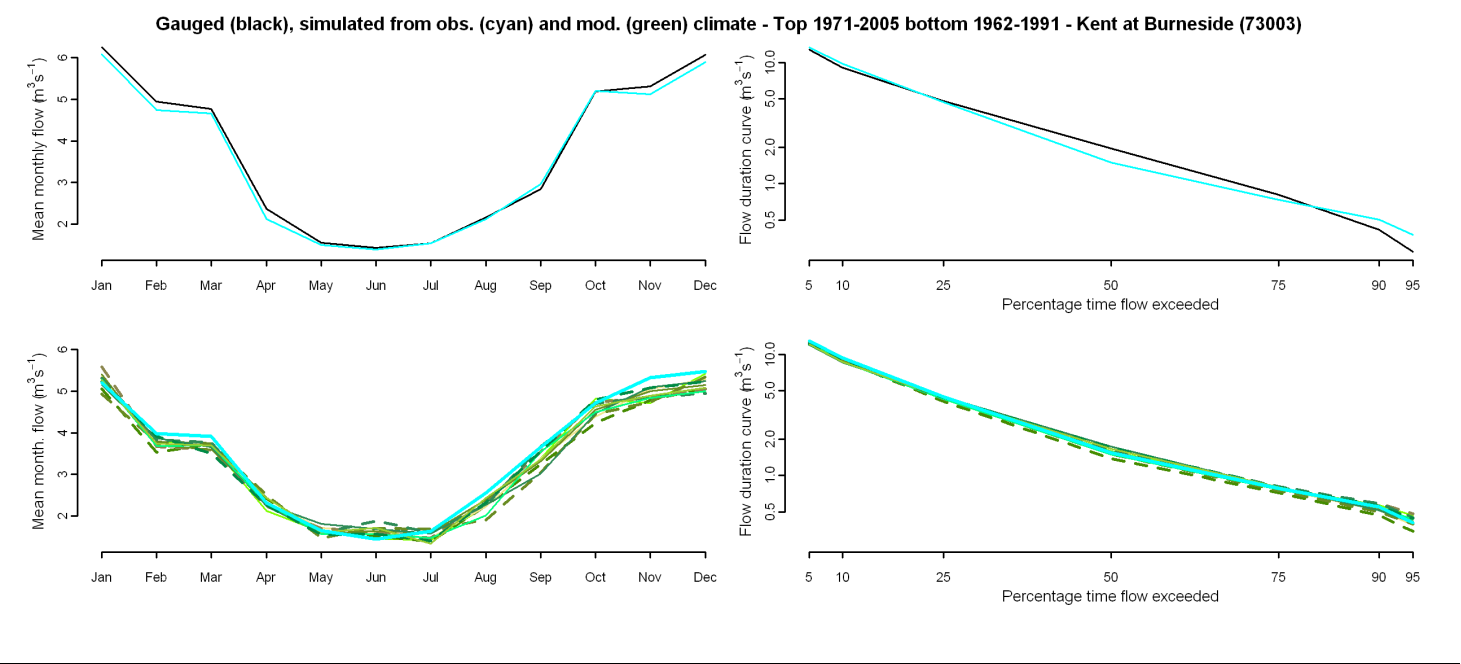
Gauged (black) and simulated (cyan) flows from observed climate - Kent at Burneside (73003)



Gauged (black) and simulated (cyan) flows from observed climate - Kent at Burneside (73003)



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	-3	-5	-2	1	-2	-4	-4	-1	-4	-2	-3
January	3	-1	4	4	4	0	-3	4	2	-3	7
April	-7	1	-2	3	0	6	1	0	-6	-1	1
July	-12	-10	-4	-3	-2	1	-4	-2	-12	-17	-18
October	4	-2	-9	4	-3	-3	5	-2	-3	4	-1
Q90	4	-15	-7	8	-6	-10	-8	5	-2	-1	-1
Q75	1	-8	-2	3	-3	-5	0	3	-2	0	2
Q50	5	-9	0	5	1	-3	11	7	-3	8	6
Q25	-3	-8	-1	-2	-4	-4	0	0	-5	-3	-1
Q5	-8	-3	-6	-3	-4	-6	-8	-3	-5	-6	-7
RP2	-4	-3	-4	-1	-3	-5	-6	-5	0	1	-4
RP10	-5	-7	-6	-1	-6	-9	-8	-8	-7	-4	-8

Climate change graphs for 2050s

