

General Information

River Name	Thames	Catchment Area (km2)	9948
Station Name	Kingston	SAAR (mm) 61-90	706
Station Number	39001	Mean Annual Rain (mm) 62-91	711
Grid Reference	TQ177698	Mean Annual PE (mm) 62-91	594
EA Region	EA-SE	Observed flow record	1961 to 2005



Observed Data

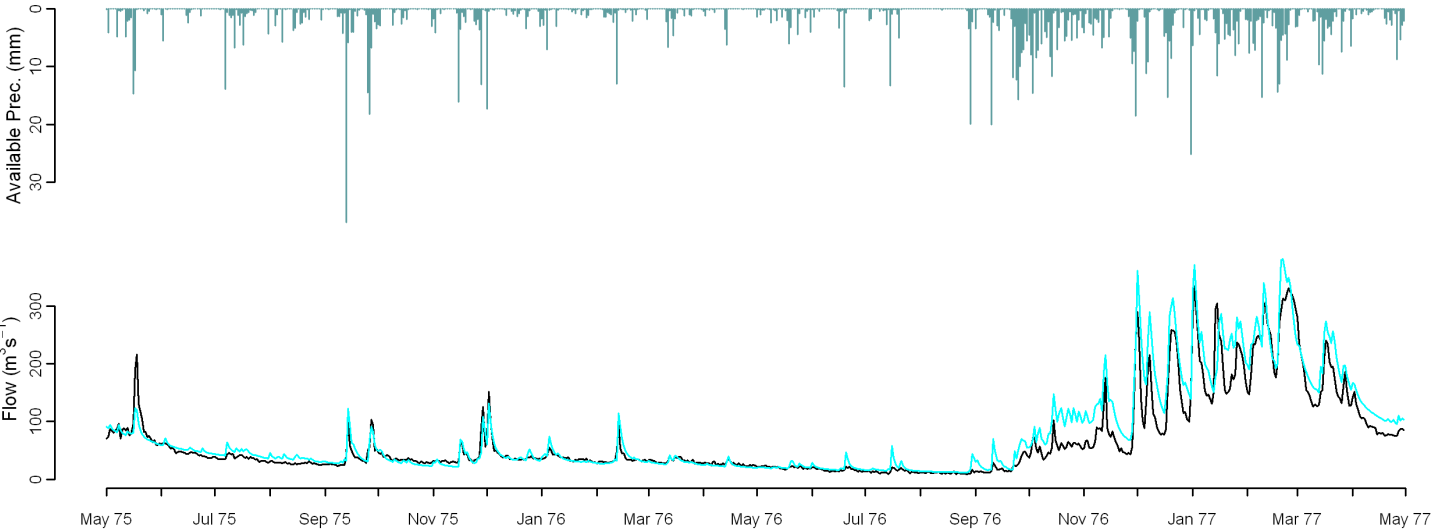
Comparison of gauged and simulated flow

Model used: CLASSIC

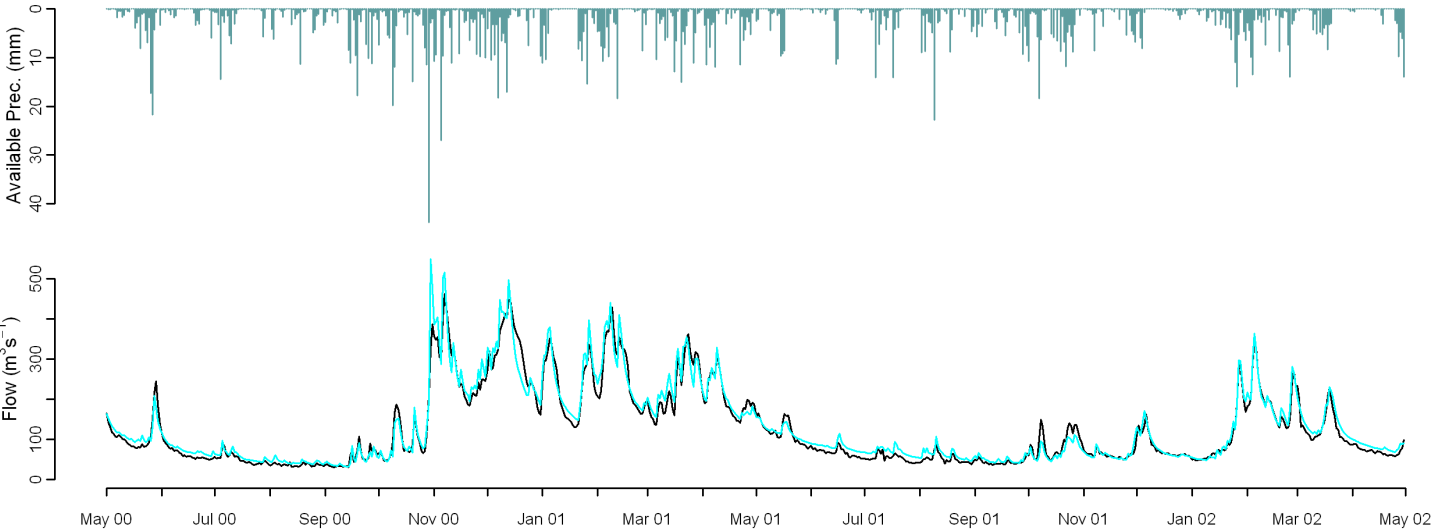
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	5.7	5.6	7.3	6.9	3.7	0.4	4.9	14.3	13.3	4.8	-0.2	3.4	6.3	0.94
Performance Band	1	1	1	1	1	1	1	2	2	1	1	1	1	1
FAO (1962-1991)	3.8	7.6	7.0	4.4	2.4	-2.8	2.4	9.1	7.4	-2.0	-5.4	1.8	7.2	0.92

	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20
MORECS (1971-2005)	5.7	7.9	8.3	6.6	1.1	8.2	7.6	7.9	8.7
Performance Band	1	1	1	1	1				
FAO (1962-1991)	-1.9	3.7	3.4	8.2	1.4	7.2	8.1	4.1	-2.0

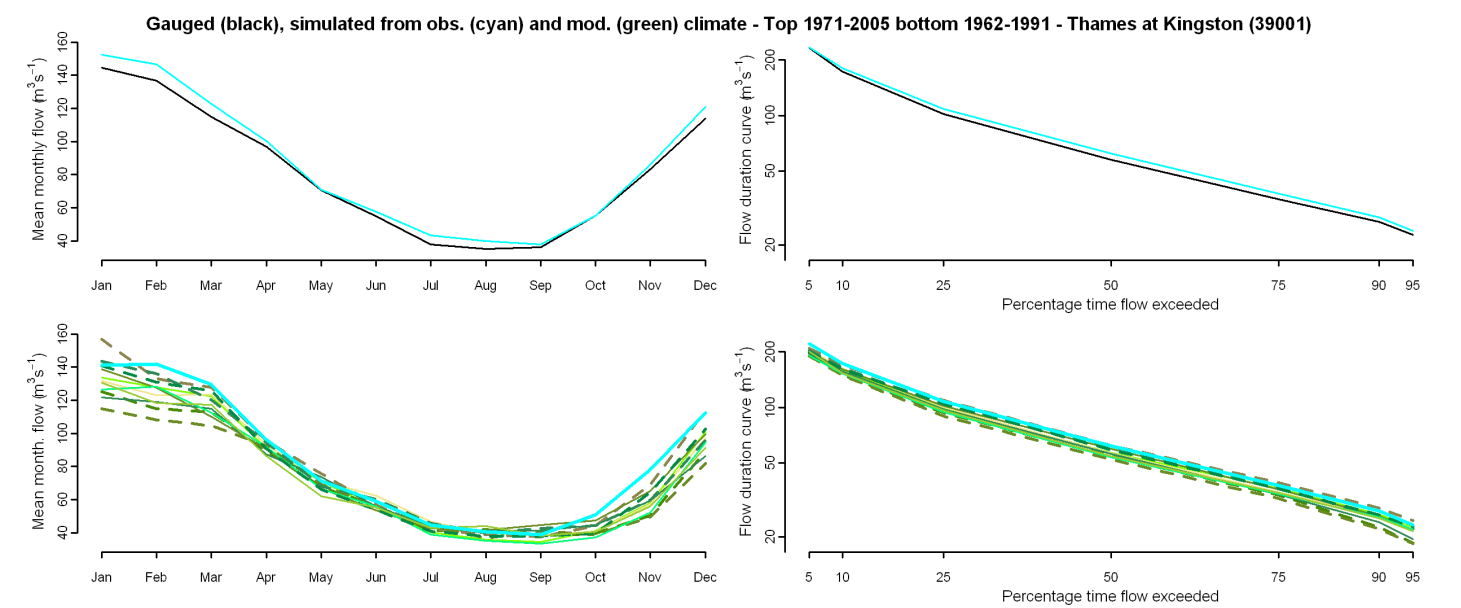
Gauged (black) and simulated (cyan) flows from observed climate - Thames at Kingston (39001)



Gauged (black) and simulated (cyan) flows from observed climate - Thames at Kingston (39001)



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	-14	-6	1	-8	-17	-10	-3	-11	-6	-12
January	-2	-13	-7	10	1	-20	-14	3	-9	1	-6
April	-5	-10	2	3	-6	-6	-7	2	-2	-6	-8
July	-6	-6	9	-2	-6	0	-1	6	-9	-7	-4
October	-15	-21	-18	-8	-14	-22	-10	-10	-23	-21	-19
Q90	-5	-19	-5	6	-9	-21	-12	-6	-7	-6	-10
Q75	-3	-12	-7	5	-8	-17	-11	-1	-9	-5	-10
Q50	-8	-13	-8	3	-7	-17	-10	0	-12	-6	-13
Q25	-8	-16	-6	3	-8	-19	-10	-1	-11	-4	-12
Q5	-9	-13	-7	-4	-11	-16	-12	-7	-12	-10	-11
RP2	-7	-9	-8	-4	-12	-12	-11	-4	-10	-7	-12
RP10	-2	-2	-1	-3	1	-2	-3	-8	-8	3	-2

Climate change graphs for 2050s

