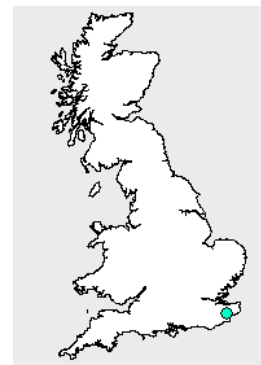


General Information

River Name	East Stour	Catchment Area (km2)	59
Station Name	South Willesborough	SAAR (mm) 61-90	766
Station Number	40023	Mean Annual Rain (mm) 62-91	776
Grid Reference	TR015407	Mean Annual PE (mm) 62-91	552
EA Region	EA-SE	Observed flow record	1976 to 2005



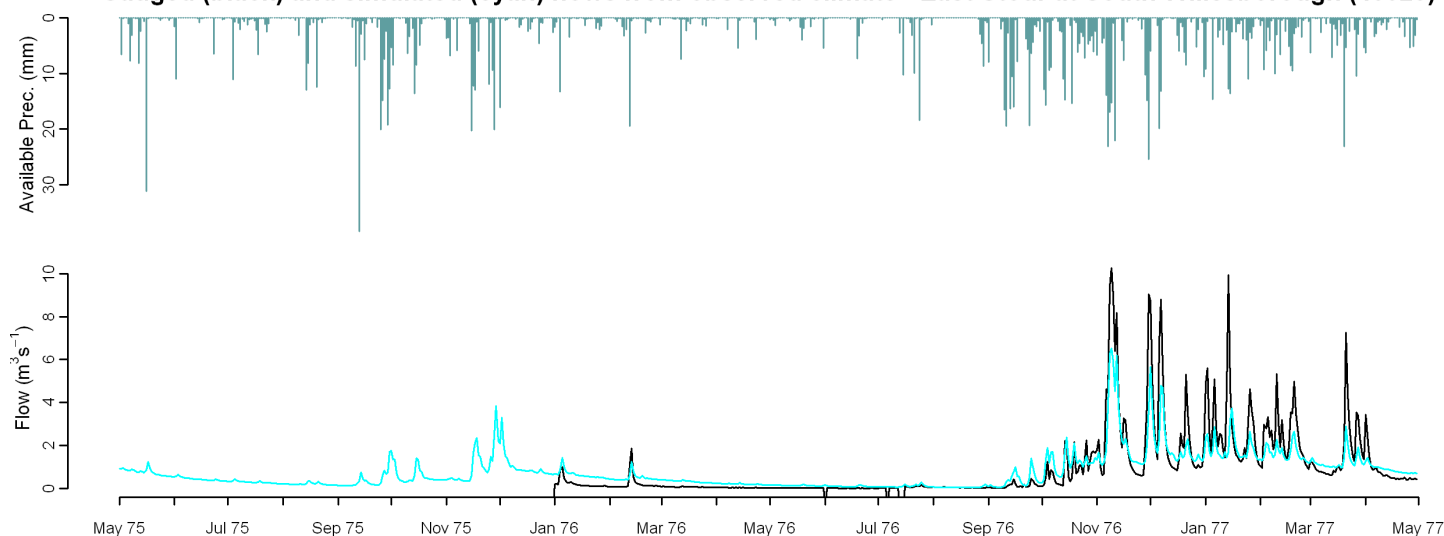
Observed Data

Comparison of gauged and simulated flow

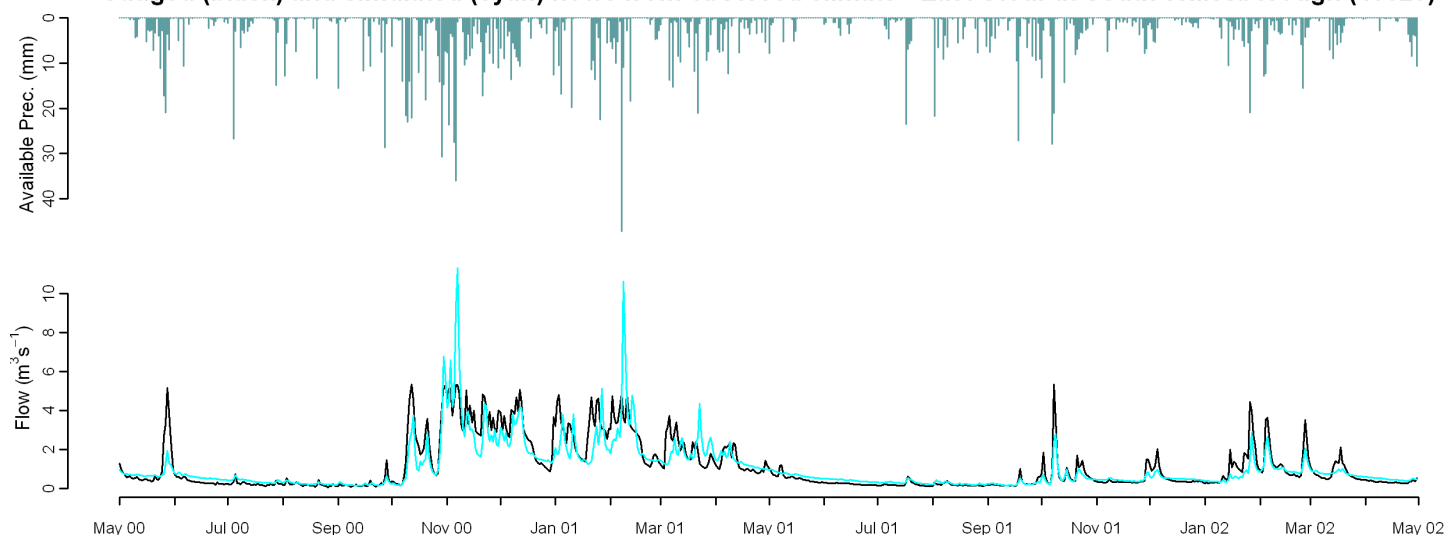
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-12.2	-17.2	-6.5	-9.7	-5.5	-2.1	9.2	4.7	20.3	11.7	-16.7	-16.7	-20.6	0.71
Performance Band	2	2	1	2	1	1	2	1	2	2	2	2	2	1
MORECS (1962-1991)	-11.0	-19.0	-8.1	-14.3	1.9	2.2	10.1	-9.5	26.3	31.4	-1.2	-18.1	-19.5	0.67
	Q90	Q75	Q50	Q25	Q5									
MORECS (1971-2005)	43.6	36.6	16.6	0.4	-34.8									
Performance Band	1	1	2	3	3									
MORECS (1962-1991)	61.1	51.8	23.2	3.0	-37.4									

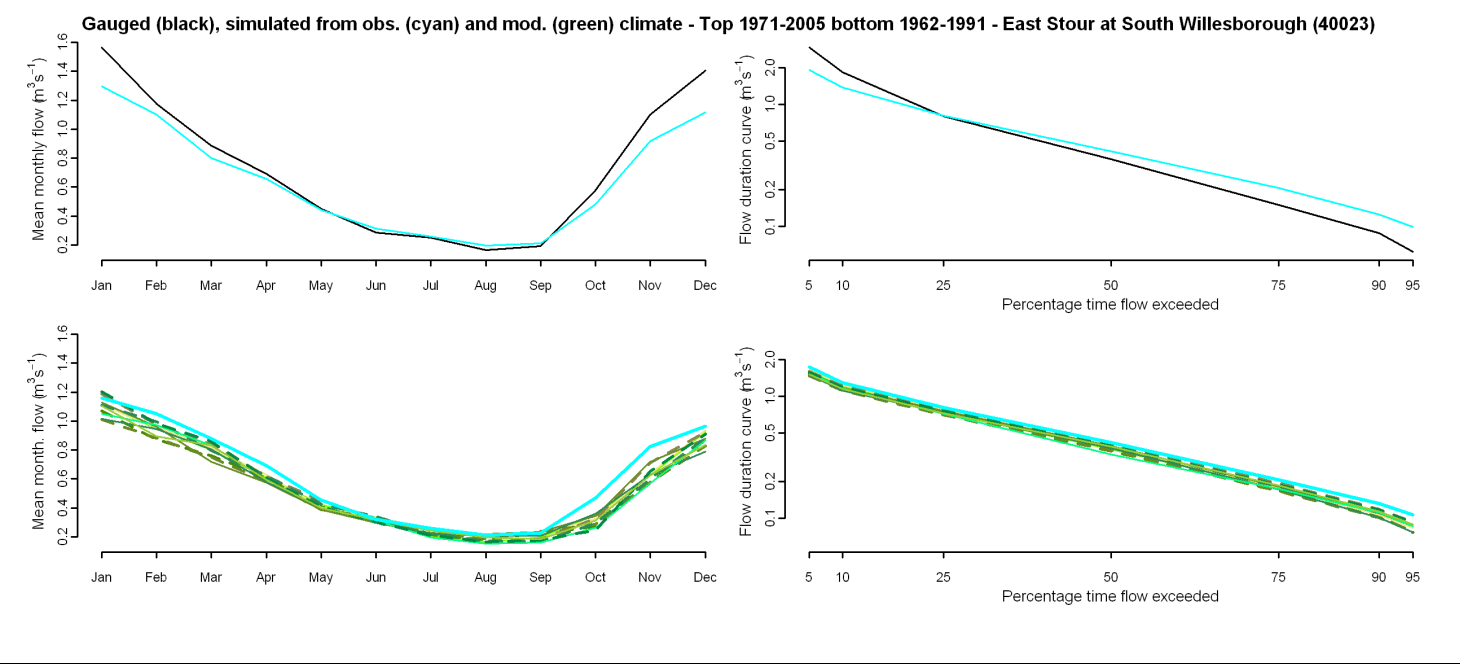
Gauged (black) and simulated (cyan) flows from observed climate - East Stour at South Willesborough (40023)



Gauged (black) and simulated (cyan) flows from observed climate - East Stour at South Willesborough (40023)



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	-9	-13	-9	-7	-11	-15	-14	-9	-14	-9	-11
January	-4	-10	-2	3	-2	-13	-15	-2	-10	8	-3
April	-9	-12	-5	-7	-15	-14	-13	-5	-14	-12	-10
July	-18	-14	1	-12	-15	-11	-13	-12	-21	-18	-6
October	-21	-41	-30	-25	-36	-39	-22	-34	-33	-47	-33
Q90	-14	-20	-18	-8	-18	-24	-22	-14	-15	-13	-14
Q75	-13	-18	-14	-6	-15	-20	-17	-10	-16	-10	-11
Q50	-10	-14	-8	-3	-10	-14	-10	-6	-18	-7	-8
Q25	-8	-12	-4	-1	-7	-14	-10	-5	-10	-6	-10
Q5	-6	-14	-6	-8	-10	-16	-14	-9	-10	-7	-12
RP2	-18	-12	-14	-16	-18	-18	-18	-25	-18	-13	-12
RP10	-20	-2	-22	-14	-24	-11	-11	-25	-19	-14	0

Climate change graphs for 2050s

