

General Information

River Name	Cole	Catchment Area (km2)	140
Station Name	Inglesham	SAAR (mm) 61-90	682
Station Number	39090	Mean Annual Rain (mm) 62-91	684
Grid Reference	SU208970	Mean Annual PE (mm) 62-91	597
EA Region	EA-SE	Observed flow record	1976 to 2005



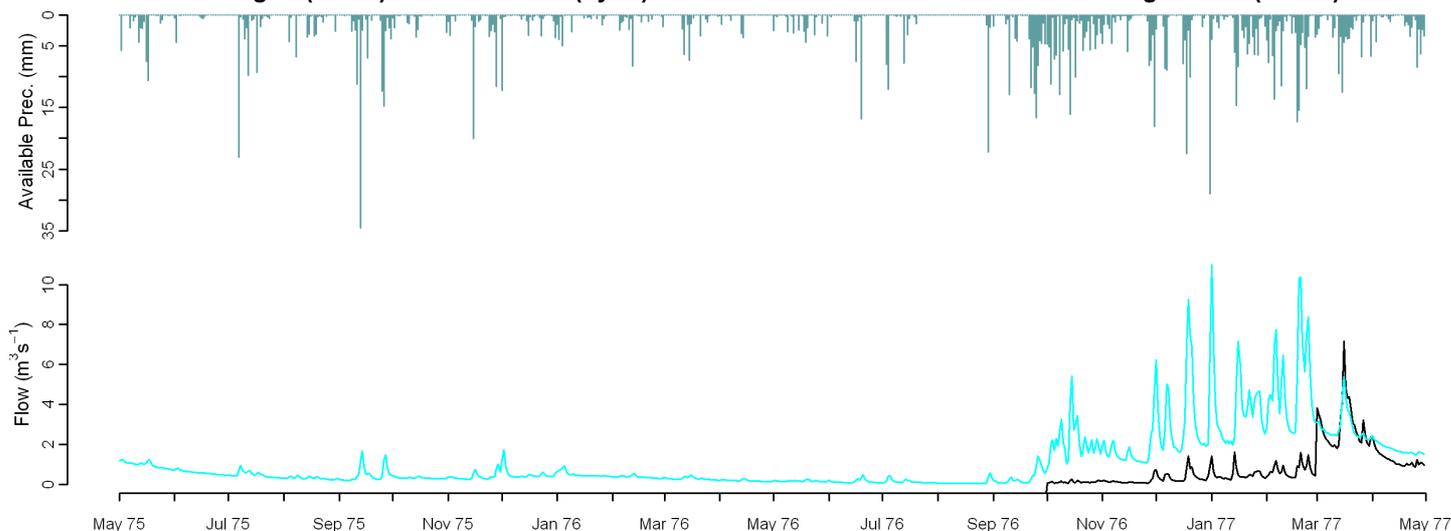
Observed Data

Comparison of gauged and simulated flow

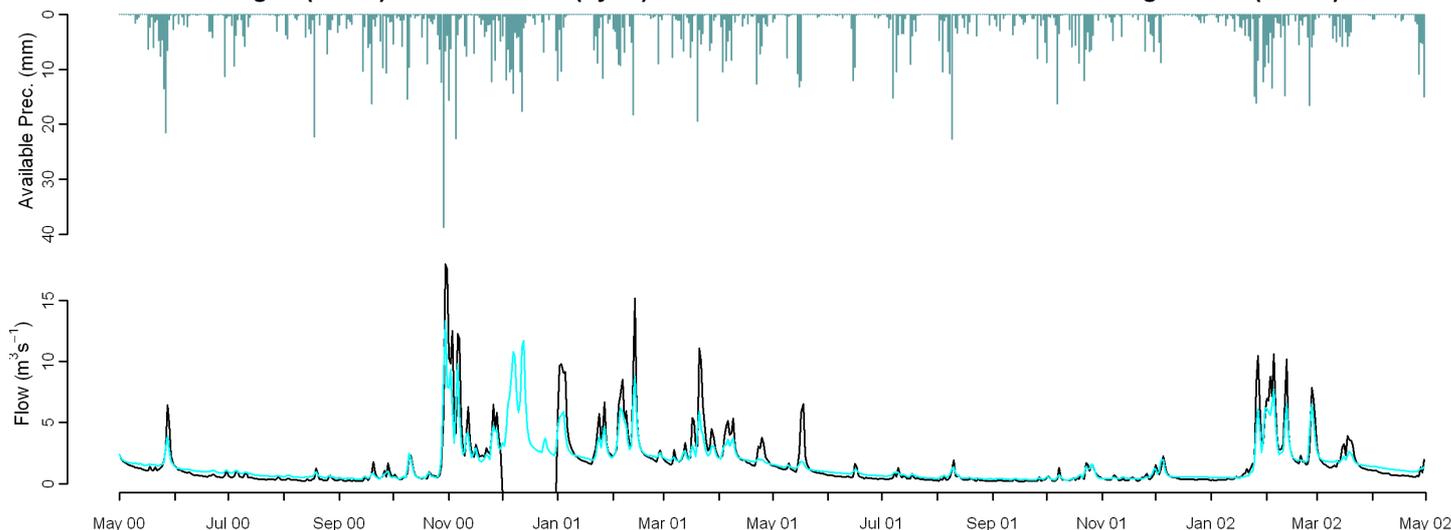
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	0.7	-2.5	2.6	-9.4	-9.1	2.6	9.2	38.8	28.5	25.1	13.3	-0.2	3.6	0.75
Performance Band	1	1	1	1	2	1	2	3	2	3	1	2	1	1
MORECS (1962-1991)	3.9	4.8	8.3	-12.4	0.0	4.4	6.6	42.7	36.1	35.2	39.3	14.6	9.3	0.66
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	51.3	44.0	24.1	7.5	-14.0									
Performance Band	1	1	1	1	2									
MORECS (1962-1991)	39.9	37.7	26.3	7.4	-10.0									

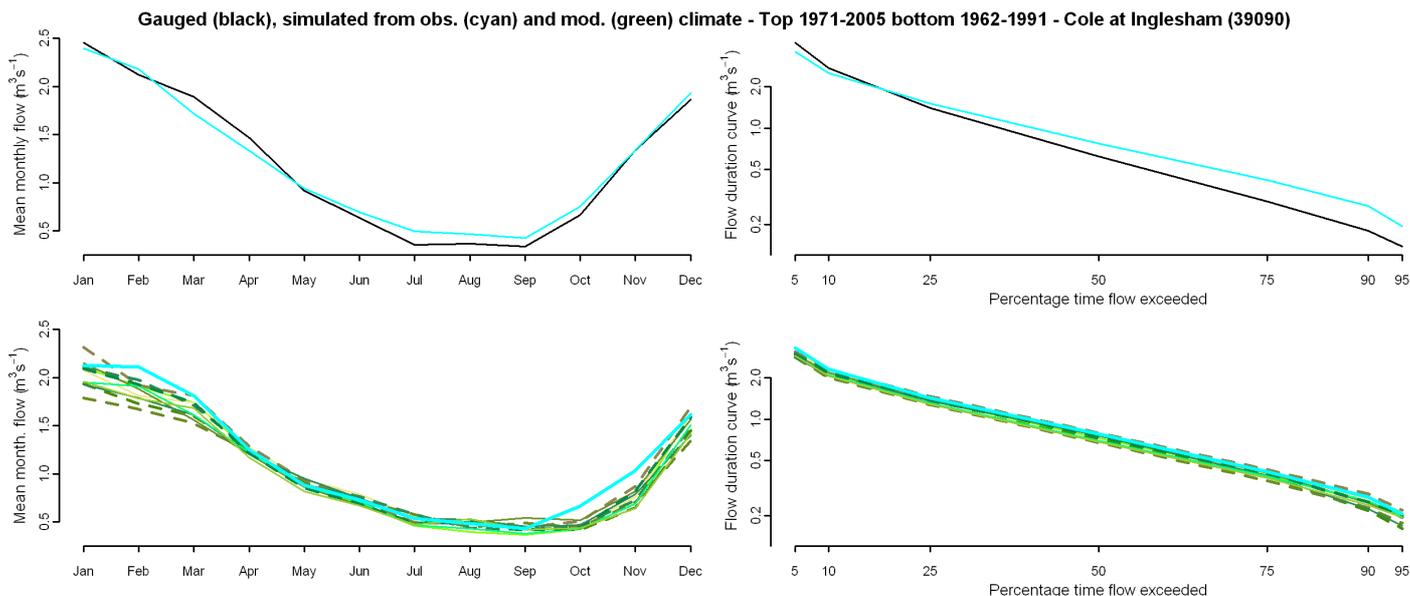
Gauged (black) and simulated (cyan) flows from observed climate - Cole at Inglesham (39090)



Gauged (black) and simulated (cyan) flows from observed climate - Cole at Inglesham (39090)



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	-5	-12	-4	0	-5	-12	-8	-3	-10	-6	-10
January	-1	-12	1	9	2	-16	-11	1	-6	-2	-7
April	1	-6	7	7	-3	-3	-2	4	0	-2	-5
July	-8	-6	9	-5	-9	7	2	11	-9	-8	-10
October	-33	-37	-32	-19	-29	-34	-28	-29	-34	-34	-34
Q90	-9	-21	-5	5	-14	-20	-17	-7	-8	-12	-12
Q75	-5	-9	-3	4	-7	-17	-7	-3	-8	-5	-10
Q50	-5	-11	-2	3	-4	-15	-3	-1	-10	-6	-13
Q25	-5	-12	-3	4	-6	-14	-5	-2	-7	-3	-10
Q5	-12	-18	-7	-5	-11	-16	-16	-7	-11	-12	-14
RP2	-10	-14	-4	-8	-14	-3	-6	-6	-8	-5	-6
RP10	-9	-1	5	9	-3	22	13	10	-2	25	2

Climate change graphs for 2050s

