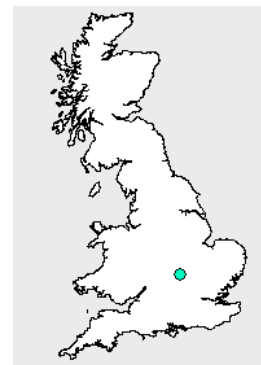


General Information

River Name	Tove	Catchment Area (km2)	138
Station Name	Cappenham Bridge	SAAR (mm) 61-90	661
Station Number	33018	Mean Annual Rain (mm) 62-91	673
Grid Reference	SP714488	Mean Annual PE (mm) 62-91	596
EA Region	EA-A	Observed flow record	1962 to 2005



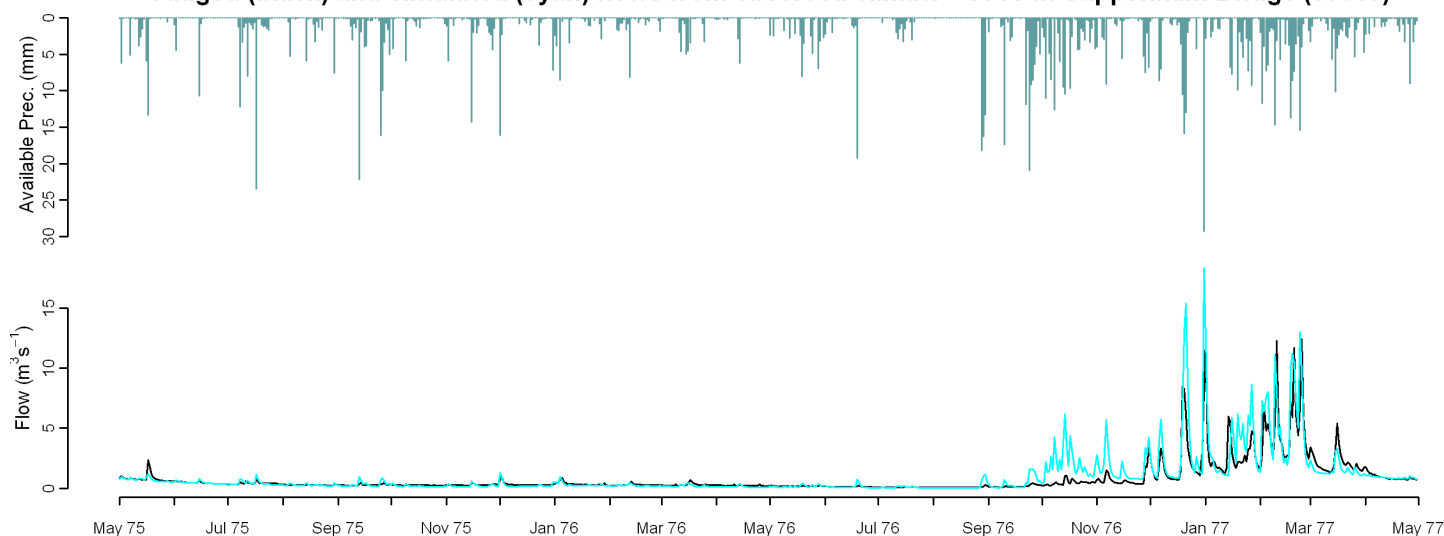
Observed Data

Comparison of gauged and simulated flow

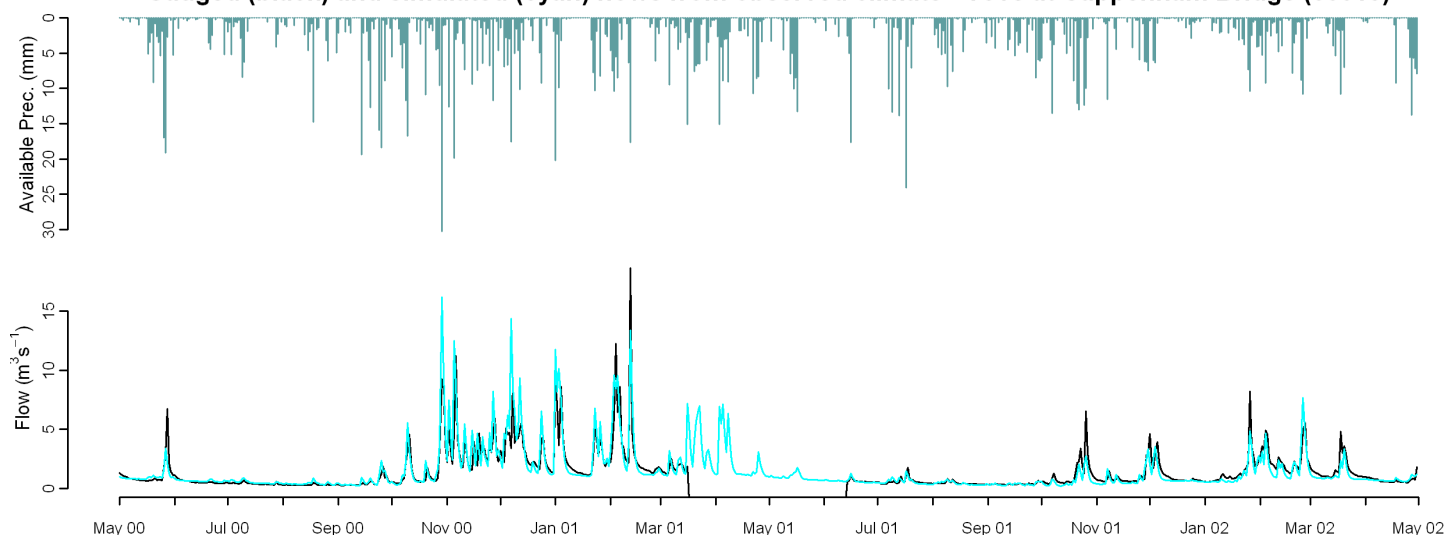
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-4.0	1.6	-4.3	-14.9	-15.5	-11.9	-7.6	10.0	7.3	4.3	-2.9	-0.7	0.0	0.68
Performance Band	1	1	1	2	2	2	1	1	2	1	2	2	1	1
MORECS (1962-1991)	-7.5	-2.6	-3.2	-14.8	-19.7	-16.4	-4.8	4.8	9.2	2.7	-9.0	-10.2	-5.8	0.66
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	-13.0	5.4	3.4	-19.5	4.3									
Performance Band	1	1	2	1	1									
MORECS (1962-1991)	-7.9	9.6	4.4	-21.0	-2.0									

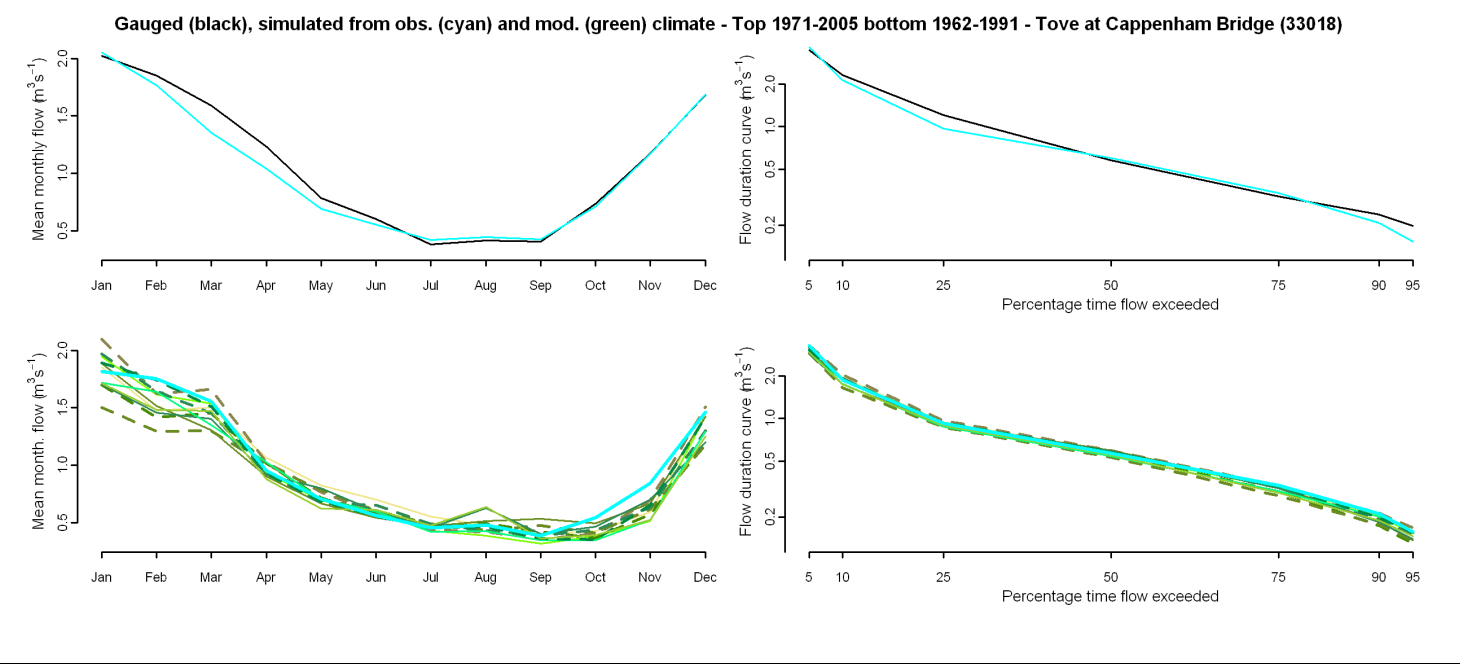
Gauged (black) and simulated (cyan) flows from observed climate - Tove at Cappenham Bridge (33018)



Gauged (black) and simulated (cyan) flows from observed climate - Tove at Cappenham Bridge (33018)



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	-4	-10	-1	2	-5	-12	-7	-3	-9	-4	-10
January	8	-12	7	15	5	-17	-11	10	-2	3	-7
April	-1	-2	17	11	-5	3	-2	2	9	-3	-4
July	-3	5	24	-2	1	8	4	10	-5	0	5
October	-28	-32	-20	-15	-16	-22	-12	-19	-33	-34	-30
Q90	-5	-19	-6	1	-15	-17	-10	-7	-3	-7	-12
Q75	-4	-13	-4	1	-8	-17	-4	-2	-7	-2	-12
Q50	-1	-4	4	6	1	-8	3	4	-4	1	-5
Q25	1	-6	3	6	-2	-7	0	1	-5	1	-5
Q5	-10	-16	-1	1	-10	-15	-14	0	-9	-9	-16
RP2	-13	-12	-8	1	-10	-10	-7	-1	-14	-5	-13
RP10	-9	-2	11	7	12	3	21	9	-5	15	10

Climate change graphs for 2050s

