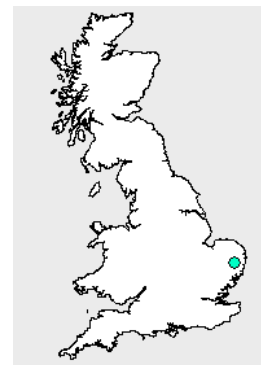


General Information

River Name	Waveney	Catchment Area (km2)	370
Station Name	Needham Mill	SAAR (mm) 61-90	594
Station Number	34006	Mean Annual Rain (mm) 62-91	594
Grid Reference	TM229811	Mean Annual PE (mm) 62-91	602
EA Region	EA-A	Observed flow record	1963 to 2005



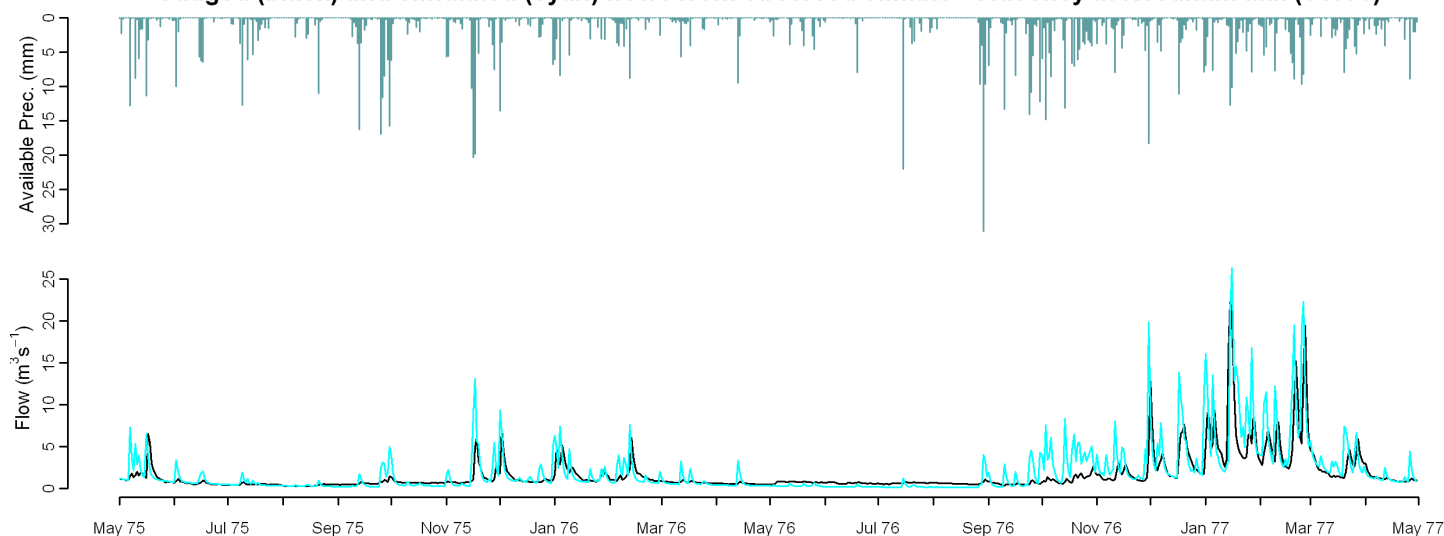
Observed Data

Comparison of gauged and simulated flow

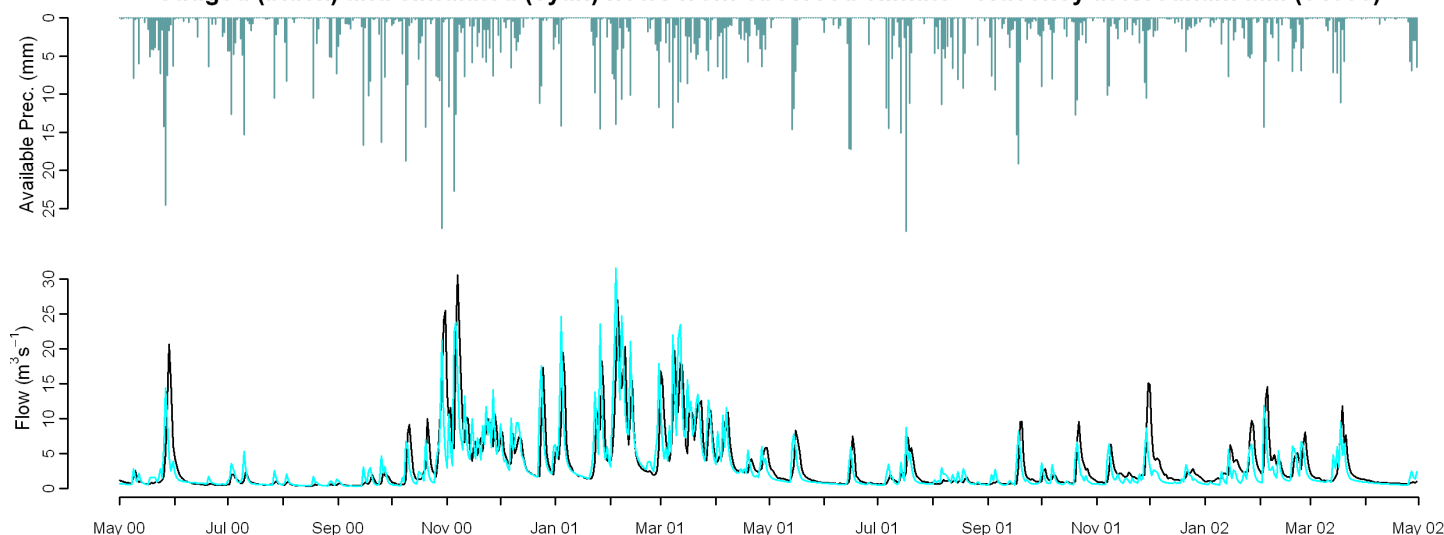
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	3.4	-7.3	12.6	-2.4	-3.0	8.8	22.0	27.4	8.0	40.1	9.4	6.9	0.8	0.43
Performance Band	1	1	2	1	1	1	2	2	1	3	1	1	1	2
FAO (1962-1991)	10.5	1.0	10.7	3.4	3.6	19.4	34.6	33.7	1.0	9.9	22.1	28.0	8.7	0.41
	Q90	Q75	Q50	Q25	Q5				RP2	RP5	RP10	RP20		
MORECS (1971-2005)	-23.4	-7.4	11.5	15.6	4.0	1.1				-7.5	-19.2	-30.8		
Performance Band	2	1	1	1	1									
FAO (1962-1991)	-24.8	-6.4	20.5	25.4	12.5	3.6				-9.3	-20.9	-31.9		

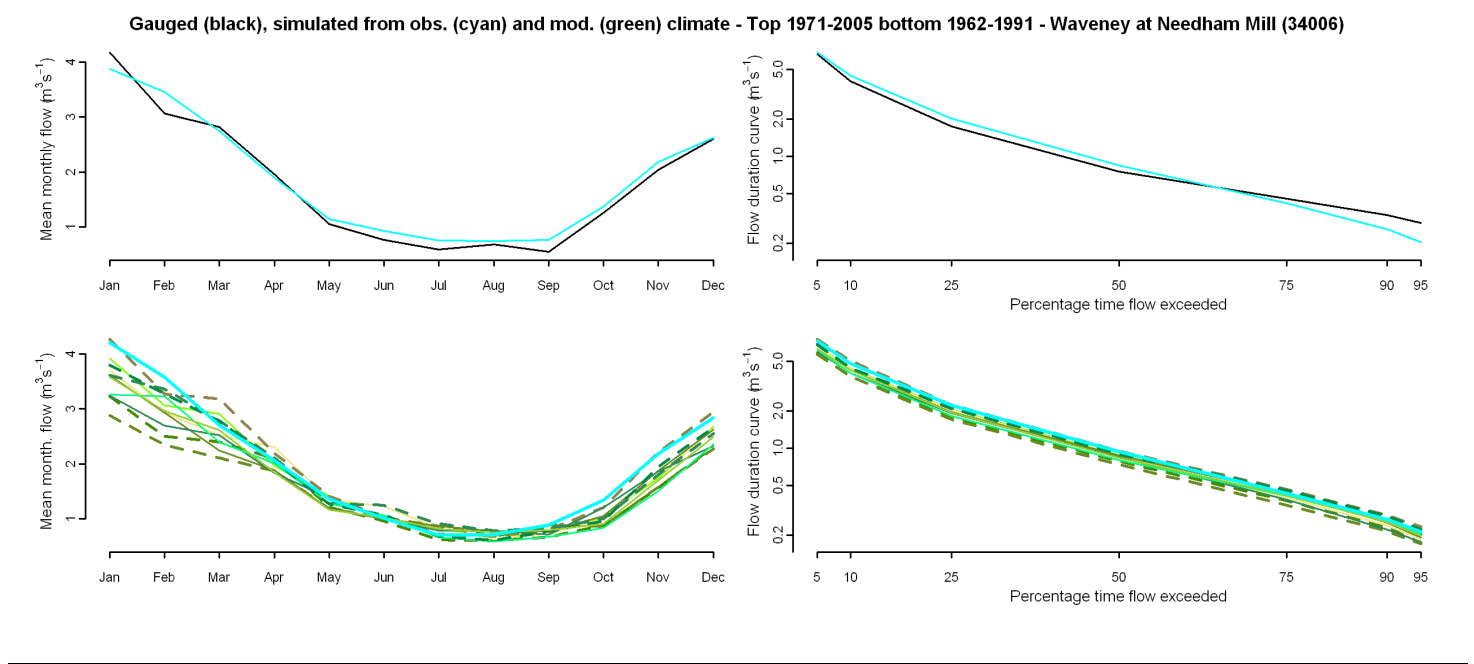
Gauged (black) and simulated (cyan) flows from observed climate - Waveney at Needham Mill (34006)



Gauged (black) and simulated (cyan) flows from observed climate - Waveney at Needham Mill (34006)



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	-21	-8	3	-13	-22	-14	-5	-15	-8	-14
January	-7	-27	-9	5	-12	-29	-25	-10	-19	-9	-14
April	-5	-8	12	5	-10	-12	-12	2	-2	0	-10
July	1	-10	13	2	14	20	11	25	-5	-5	11
October	-21	-33	-25	-6	-28	-35	-9	-29	-34	-29	-14
Q90	0	-14	-12	7	-9	-21	-17	-4	-6	5	-7
Q75	1	-13	-9	7	-3	-22	-12	4	-6	4	-6
Q50	-6	-17	-8	3	-10	-22	-11	-2	-14	-4	-13
Q25	-7	-20	-8	3	-13	-22	-14	-3	-17	-6	-14
Q5	-8	-24	-9	4	-14	-23	-18	-6	-14	-7	-15
RP2	-20	-28	-16	-5	-21	-24	-26	-5	-19	-10	-16
RP10	-10	-20	-3	-6	-15	-14	-18	-2	-25	-11	-22

Climate change graphs for 2050s

