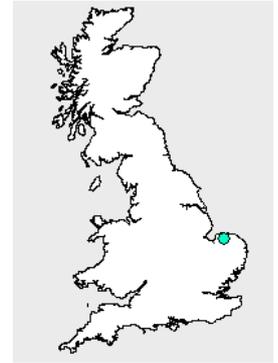


## General Information

River Name	Wensum	Catchment Area (km <sup>2</sup> )	162
Station Name	Fakenham	SAAR (mm) 61-90	698
Station Number	34011	Mean Annual Rain (mm) 62-91	694
Grid Reference	TF919294	Mean Annual PE (mm) 62-91	615
EA Region	EA-A	Observed flow record	1967 to 2005



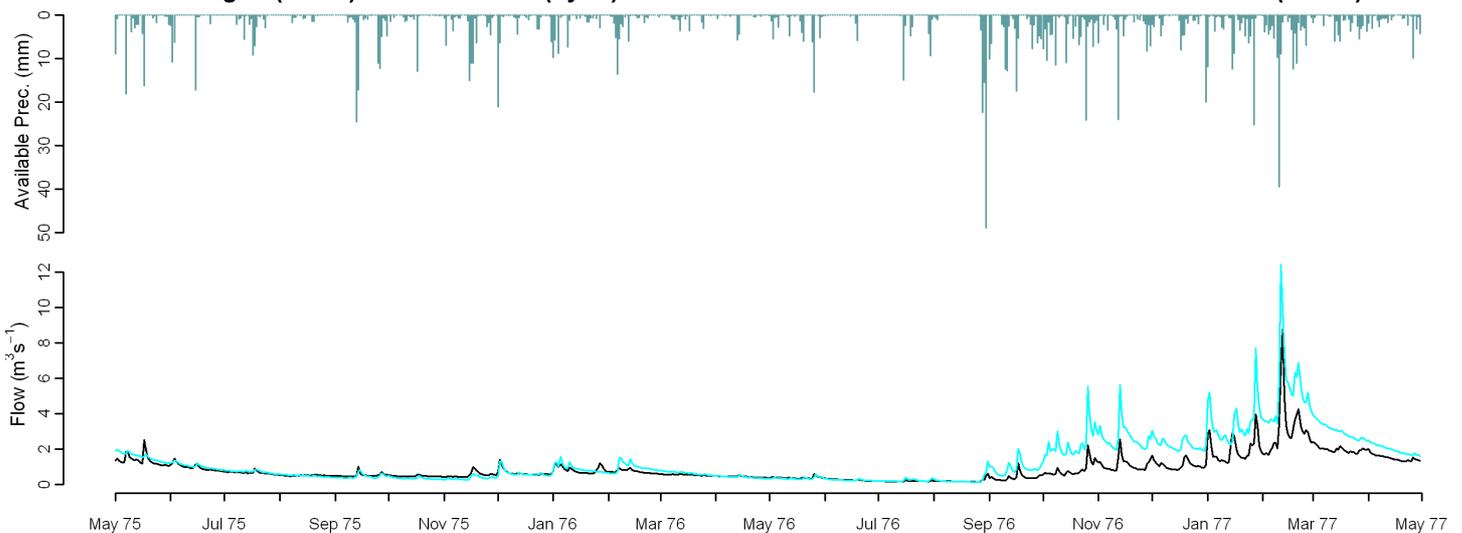
## Observed Data

## Comparison of gauged and simulated flow

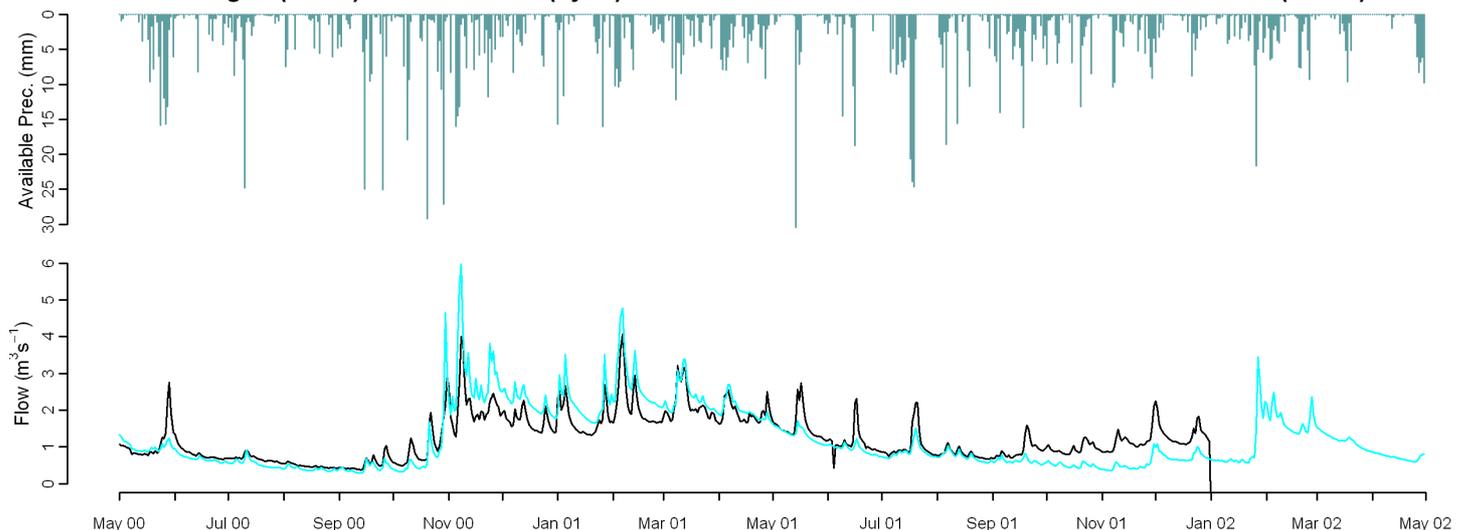
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	14.2	27.5	36.0	23.9	14.9	6.4	1.8	0.1	-2.8	-4.2	-2.6	3.7	11.4	0.58
Performance Band	2	2	3	2	2	1	1	1	1	1	1	1	2	2
MORECS (1962-1991)	14.1	29.0	40.5	28.5	17.9	2.3	-2.3	-3.2	-9.6	-10.9	-5.0	1.3	11.7	0.52
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	4.0	-4.9	-1.8	17.8	29.3									
Performance Band	1	1	2	2	2									
MORECS (1962-1991)	-8.6	-15.4	-3.4	21.5	28.0									

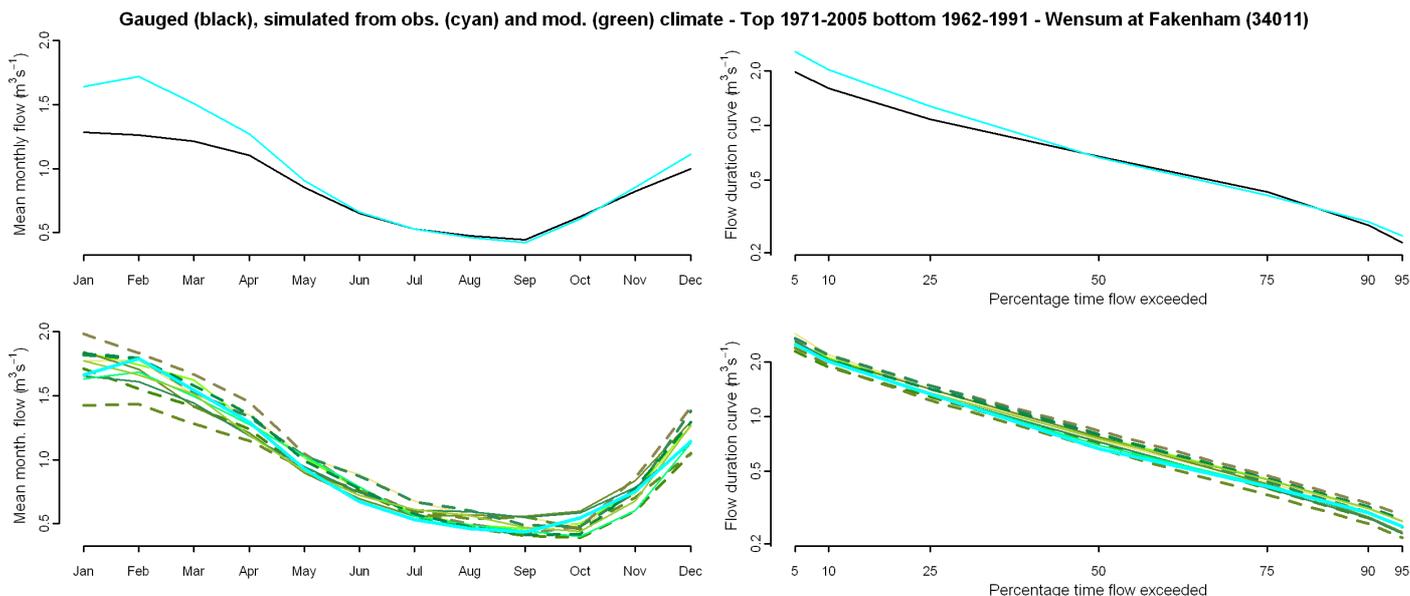
Gauged (black) and simulated (cyan) flows from observed climate - Wensum at Fakenham (34011)



Gauged (black) and simulated (cyan) flows from observed climate - Wensum at Fakenham (34011)



## 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	8	-5	10	15	5	-4	2	12	0	4	0
January	10	-2	10	20	12	-12	-5	13	2	9	4
April	3	-7	9	17	0	-10	-7	7	0	6	-4
July	12	10	32	20	7	15	21	33	7	10	15
October	-4	-25	-10	-8	1	-14	10	-2	-18	-22	-19
Q90	7	-6	5	17	-5	-12	-5	1	0	6	5
Q75	12	-1	6	18	1	-10	-1	9	0	10	8
Q50	16	7	14	29	13	-1	9	28	5	18	11
Q25	7	-4	8	13	5	-6	-2	16	2	6	-1
Q5	2	-11	14	9	3	-4	3	9	0	0	-4
RP2	-10	-15	13	5	-2	-9	2	5	-3	-11	-13
RP10	-8	-22	14	0	1	-9	5	4	0	-16	-24

## Climate change graphs for 2050s

