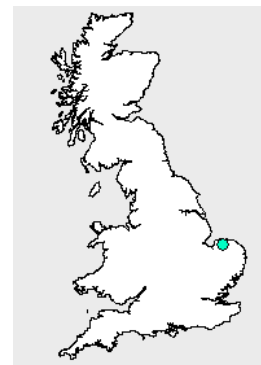


## General Information

River Name	Wensum	Catchment Area (km2)	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



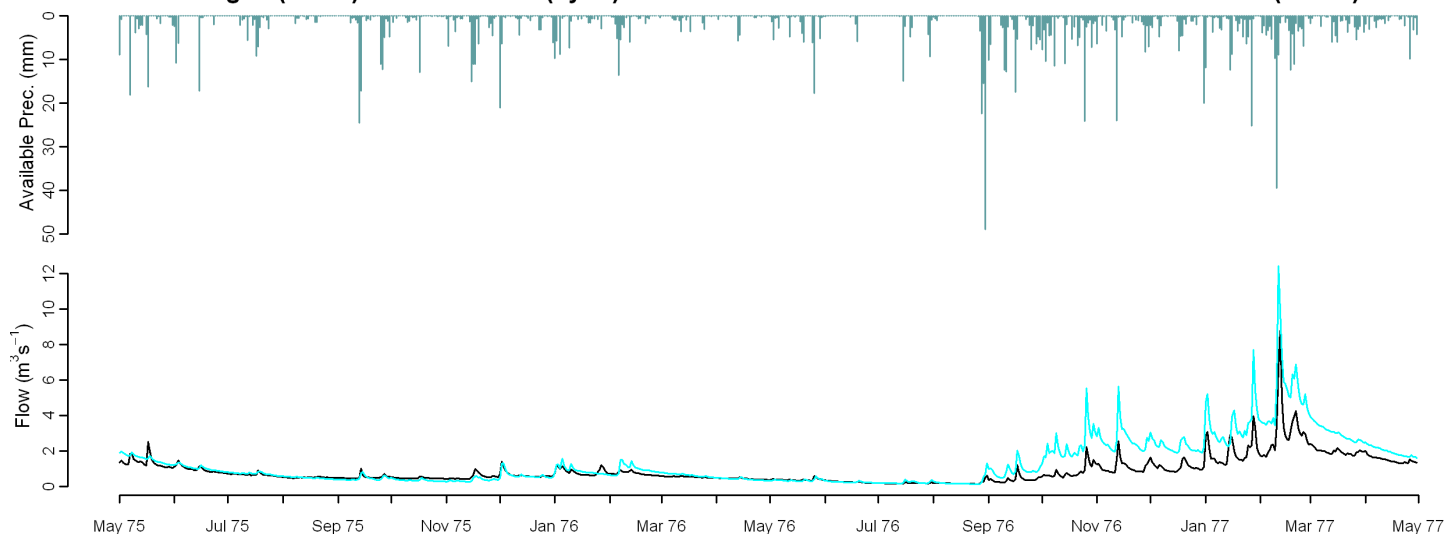
## Observed Data

## Comparison of gauged and simulated flow

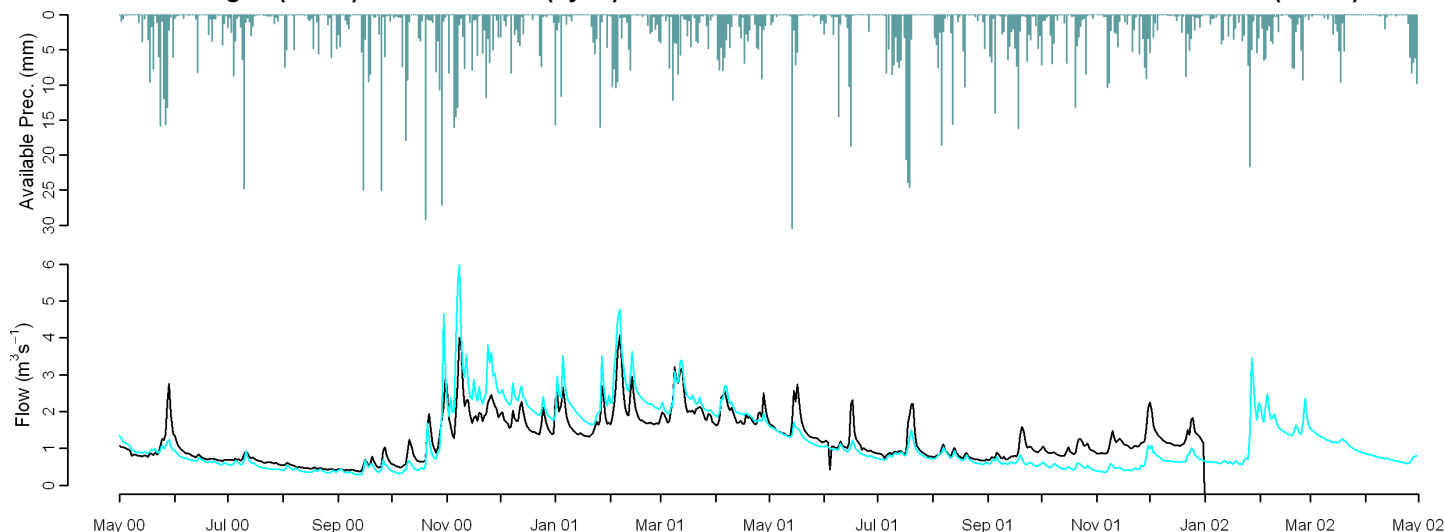
## Model used: CERF

	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									

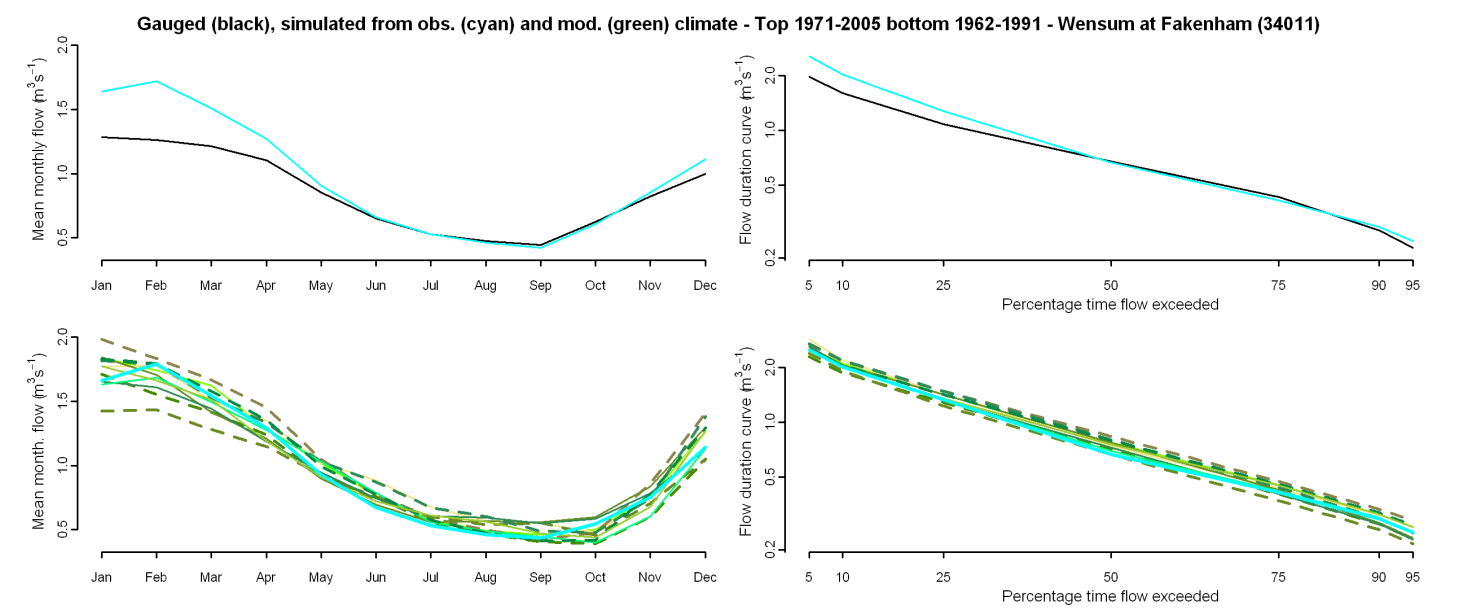
Gauged (black) and simulated (cyan) flows from observed climate - Wensum at Fakenham (34011)



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

