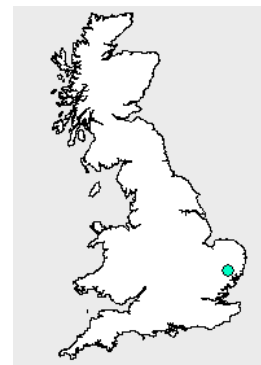


## General Information

River Name	Gipping	Catchment Area (km2)	129
Station Name	Stowmarket	SAAR (mm) 61-90	577
Station Number	35008	Mean Annual Rain (mm) 62-91	577
Grid Reference	TM058578	Mean Annual PE (mm) 62-91	595
EA Region	EA-A	Observed flow record	1964 to 2005



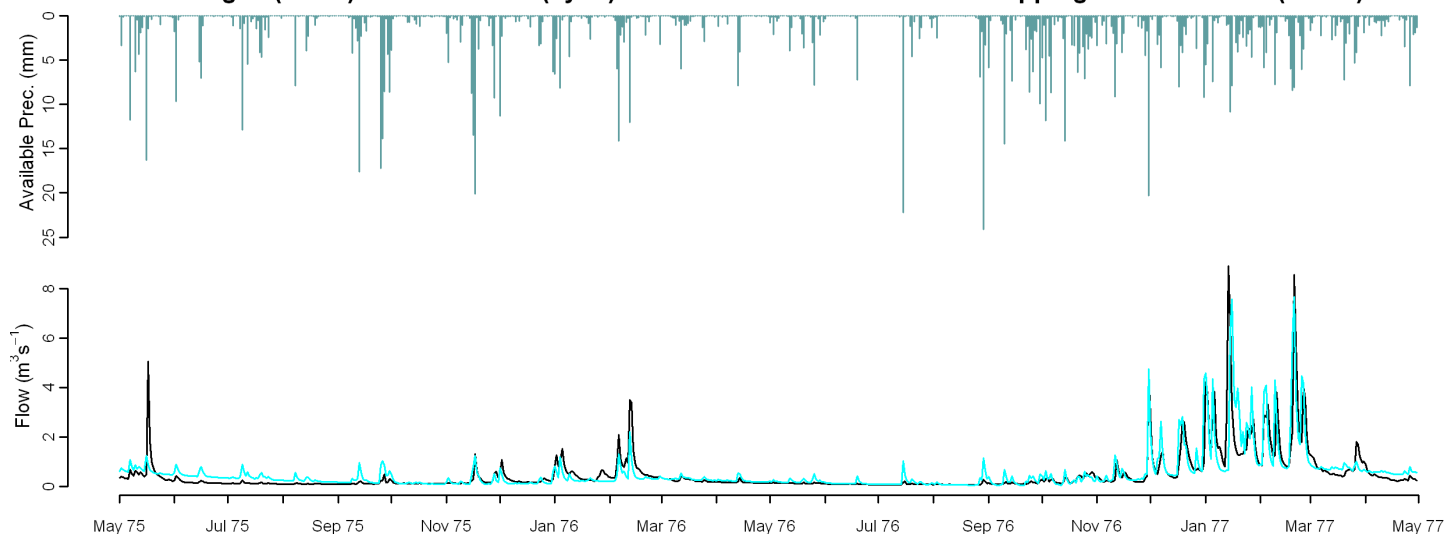
## Observed Data

## Comparison of gauged and simulated flow

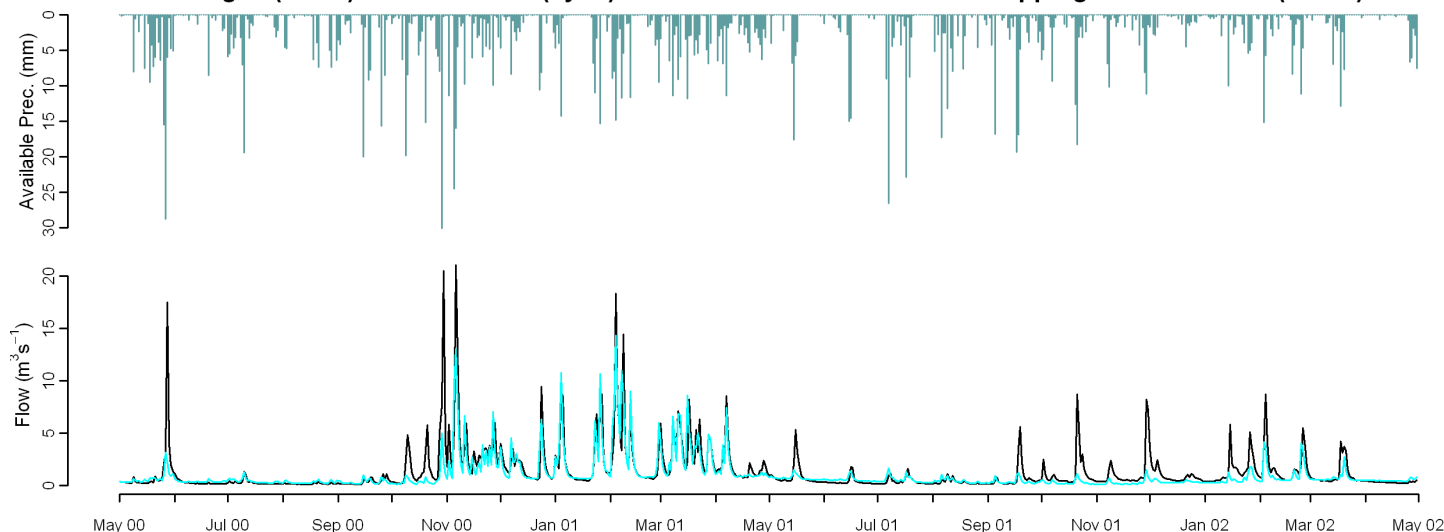
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-15.0	-25.1	-12.7	-14.1	-8.8	15.9	51.7	77.1	26.8	1.4	-43.7	-33.5	-32.7	0.59
Performance Band	2	2	2	2	2	2	3	3	2	2	3	3	3	2
MORECS (1962-1991)	-12.9	-26.2	-11.3	-8.2	-6.9	24.2	55.3	94.4	33.4	-6.5	-24.6	-31.0	-37.7	0.58
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-12.8	29.2	41.2	-2.7	-35.4									
Performance Band	1	1	3	3	2									
MORECS (1962-1991)	-6.0	42.4	60.1	5.1	-31.8									

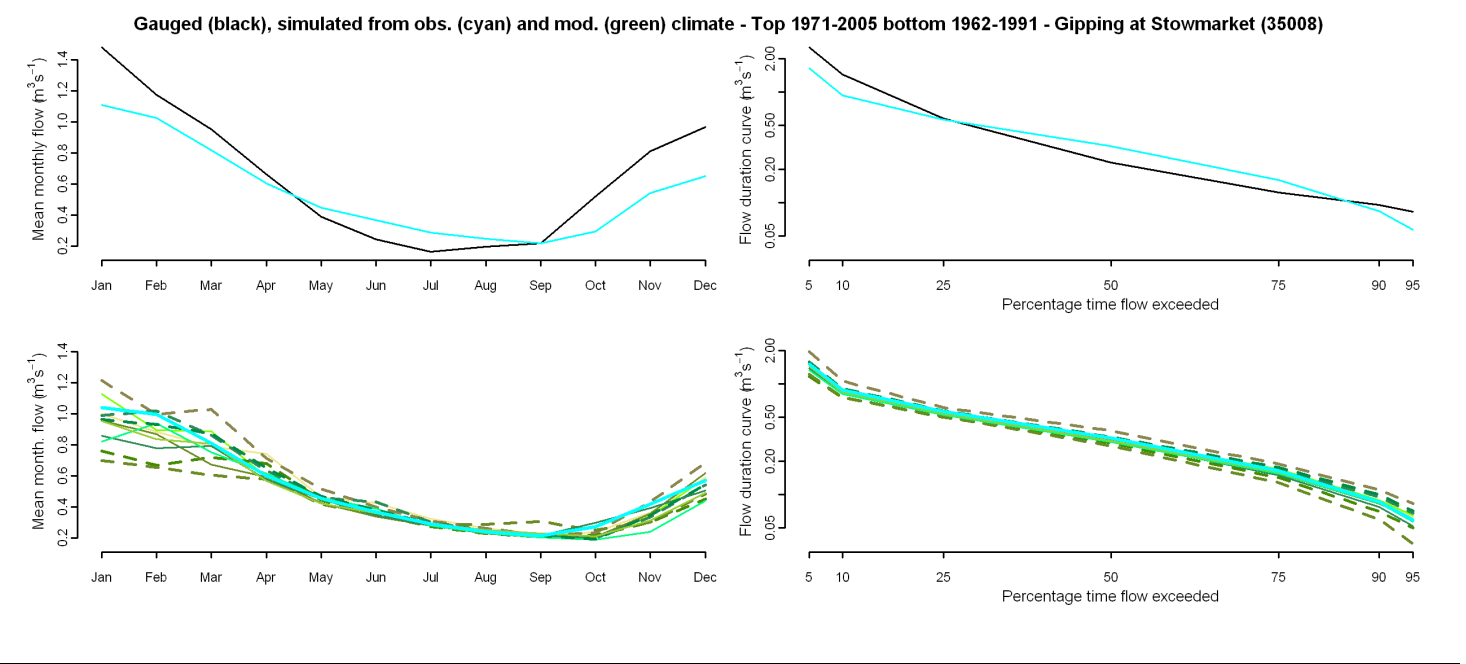
Gauged (black) and simulated (cyan) flows from observed climate - Gipping at Stowmarket (35008)



Gauged (black) and simulated (cyan) flows from observed climate - Gipping at Stowmarket (35008)



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	2	-16	3	16	-6	-15	-7	0	-12	-1	-9
January	9	-34	0	19	-6	-32	-22	-2	-19	-3	-11
April	0	4	28	29	4	-5	0	9	4	11	-1
July	-1	-4	15	12	-4	-1	0	8	0	1	1
October	-23	-18	-12	-11	-29	-7	13	-25	-26	-29	-24
Q90	4	-18	2	32	-4	-32	-10	12	-2	15	-2
Q75	4	-13	2	18	-8	-23	-7	2	-5	6	-5
Q50	-1	-12	3	17	-3	-17	-5	2	-7	2	-8
Q25	-1	-14	3	11	-4	-11	-5	3	-6	1	-6
Q5	2	-28	4	32	-8	-21	-12	8	-11	5	-9
RP2	11	-15	8	10	-8	3	1	11	-9	0	-12
RP10	11	-3	20	14	-3	7	-7	10	-16	-4	-15

Climate change graphs for 2050s

