

## General Information

River Name	Stiffkey	Catchment Area (km <sup>2</sup> )	88
Station Name	Warham All Saints	SAAR (mm) 61-90	662
Station Number	34018	Mean Annual Rain (mm) 62-91	660
Grid Reference	TF944414	Mean Annual PE (mm) 62-91	614
EA Region	EA-A	Observed flow record	1972 to 2005



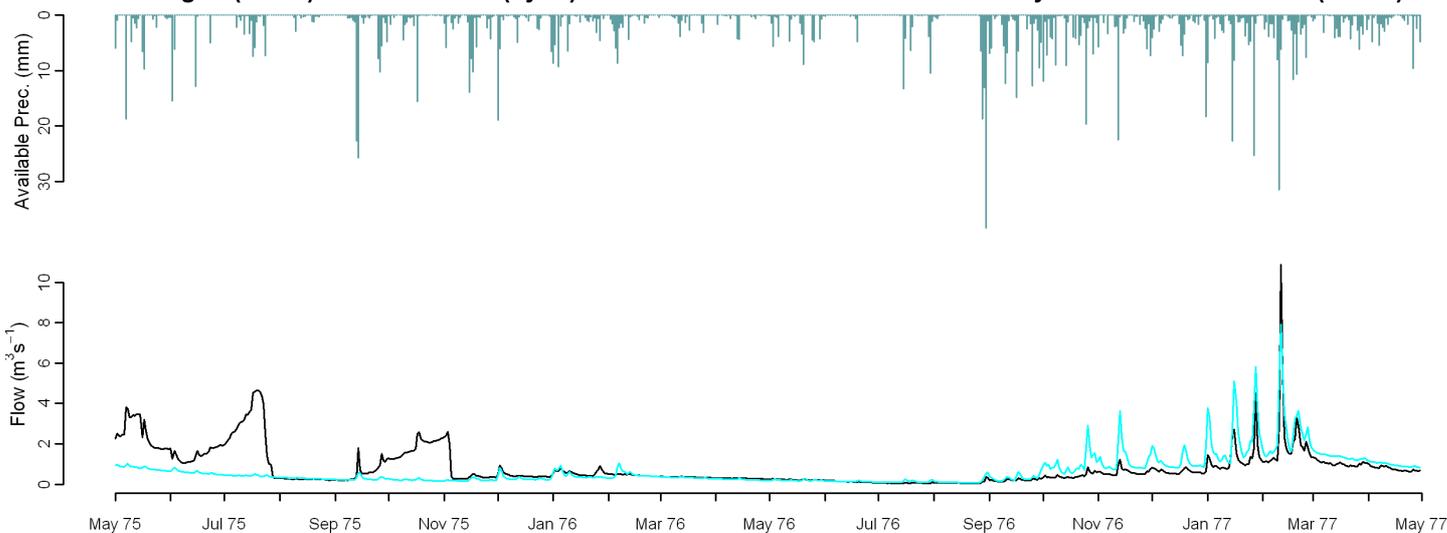
## Observed Data

## Comparison of gauged and simulated flow

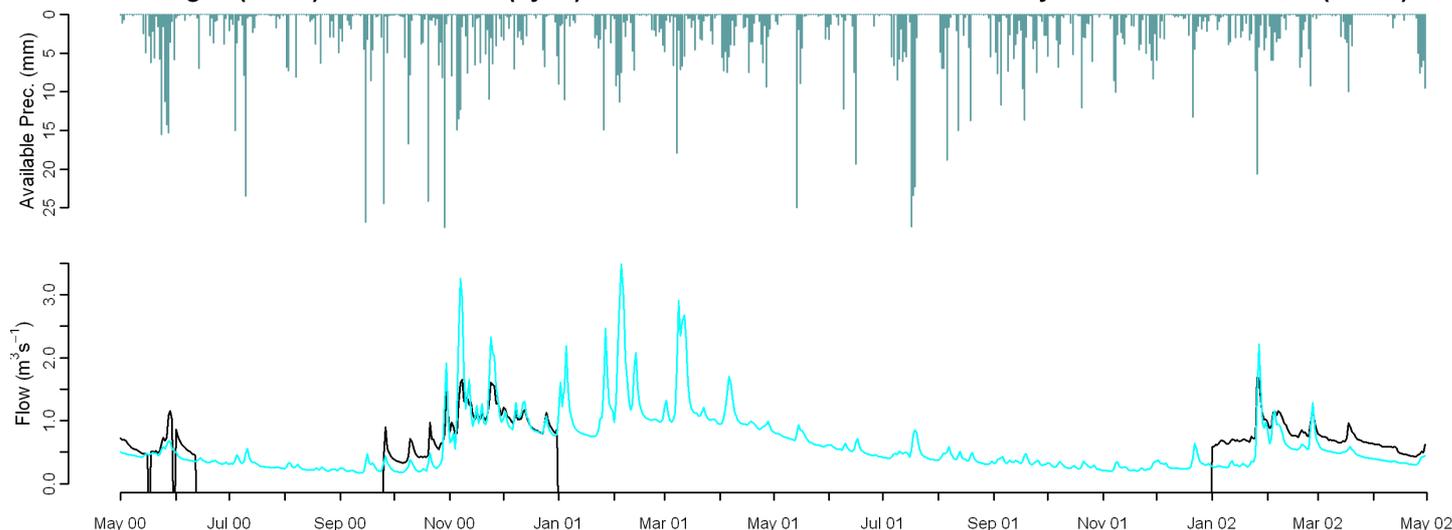
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-6.8	10.0	12.1	8.1	-5.4	-11.1	-2.5	-22.4	-13.7	-12.7	-29.1	-17.5	-7.8	0.51
Performance Band	1	2	2	2	1	1	1	2	2	2	2	2	1	2
MORECS (1962-1991)	-4.7	13.8	18.0	12.6	-3.8	-14.8	-5.8	-27.0	-8.1	-15.8	-25.9	-18.3	-11.7	0.46
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	-2.8	-14.6	-13.9	-3.5	6.5									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-8.9	-20.4	-12.4	1.5	0.9									

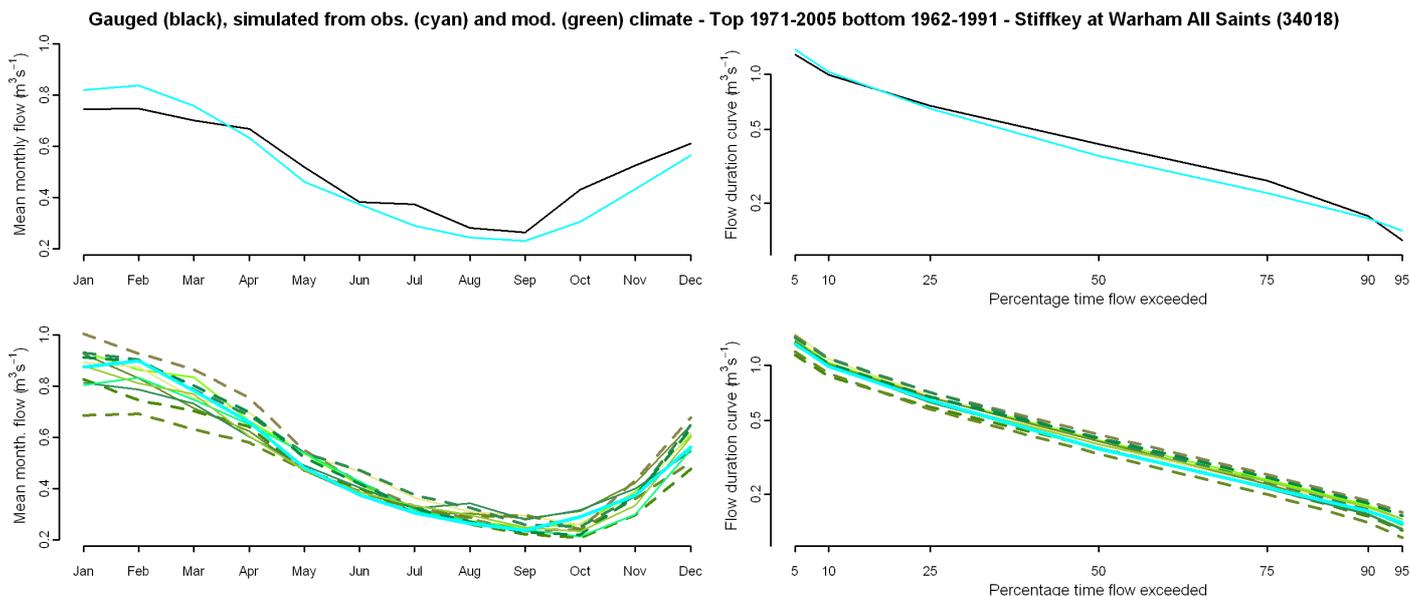
Gauged (black) and simulated (cyan) flows from observed climate - Stiffkey at Warham All Saints (34018)



Gauged (black) and simulated (cyan) flows from observed climate - Stiffkey at Warham All Saints (34018)



## 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	-9	8	14	3	-7	-1	10	-2	3	-3
January	6	-11	5	16	7	-20	-12	9	-4	3	-2
April	3	-7	10	19	2	-11	-7	8	0	8	-5
July	9	3	24	16	2	7	11	28	4	7	9
October	-6	-25	-9	-12	0	-14	13	-5	-17	-23	-19
Q90	8	-6	4	17	-4	-13	-4	1	-1	7	4
Q75	12	1	6	21	3	-8	-1	9	1	12	6
Q50	12	2	8	23	8	-6	2	19	0	14	4
Q25	5	-9	7	12	4	-9	-4	15	1	5	-4
Q5	4	-16	13	13	3	-9	0	10	-1	0	-5
RP2	-11	-24	8	2	-6	-17	-2	1	-7	-19	-22
RP10	-6	-21	10	-6	-2	-14	4	6	-5	-20	-30

## Climate change graphs for 2050s

