

## General Information

River Name	Stiffkey	Catchment Area (km2)	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



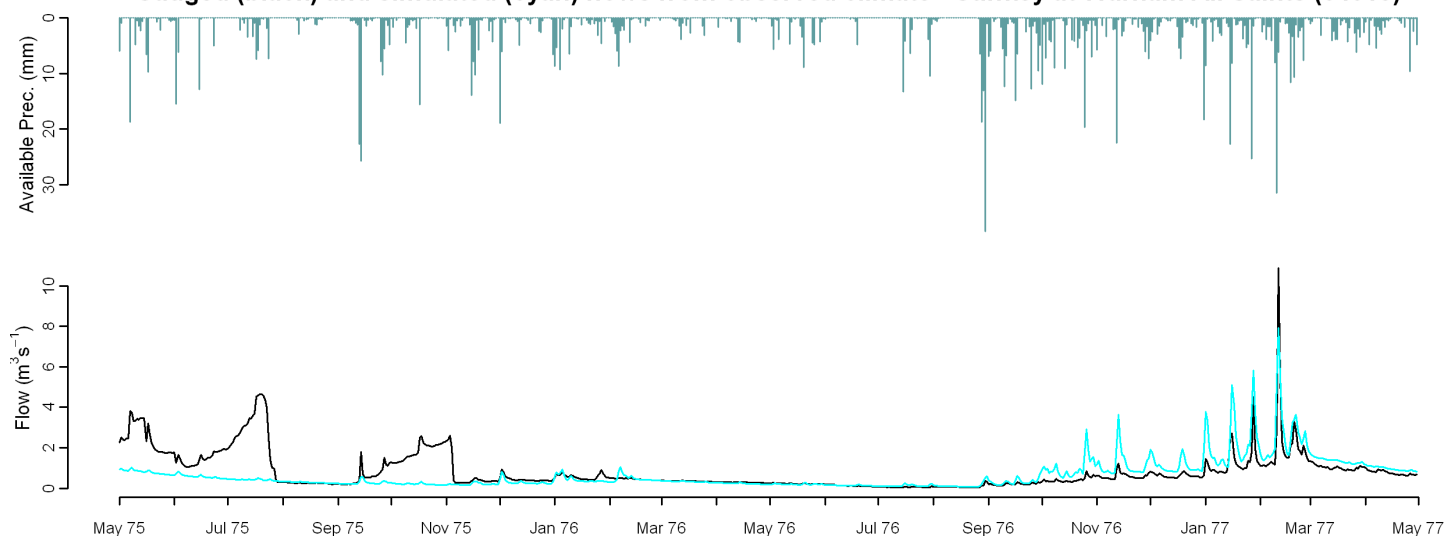
## Observed Data

## Comparison of gauged and simulated flow

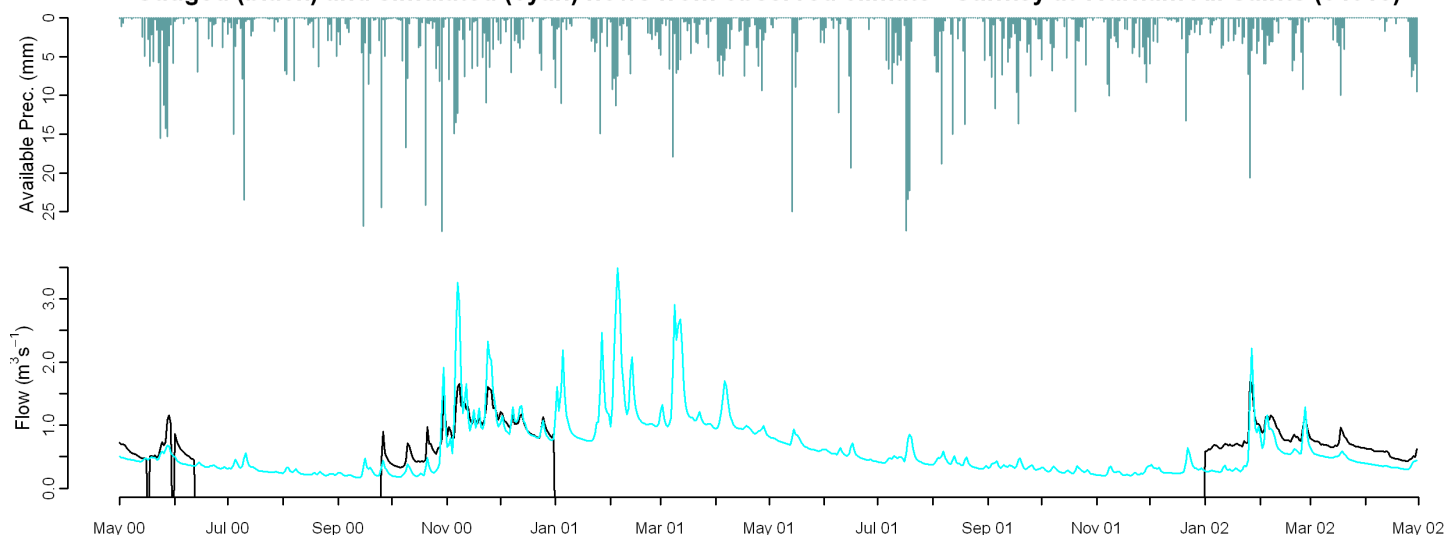
## Model used: CERF

	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									

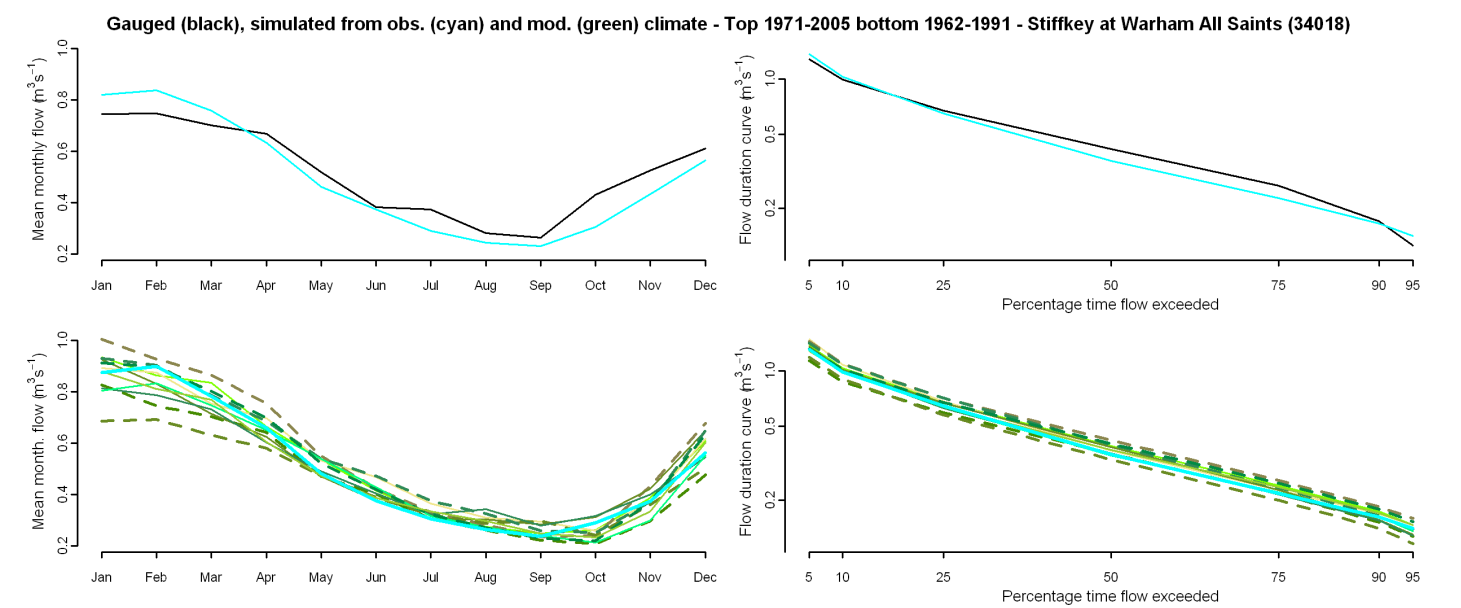
Gauged (black) and simulated (cyan) flows from observed climate - Stiffkey at Warham All Saints (34018)



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

