

## General Information

River Name	Stanford Water	Catchment Area (km <sup>2</sup> )	44
Station Name	Buckenham Tofts	SAAR (mm) 61-90	646
Station Number	33049	Mean Annual Rain (mm) 62-91	647
Grid Reference	TL834953	Mean Annual PE (mm) 62-91	604
EA Region	EA-A	Observed flow record	1973 to 1980



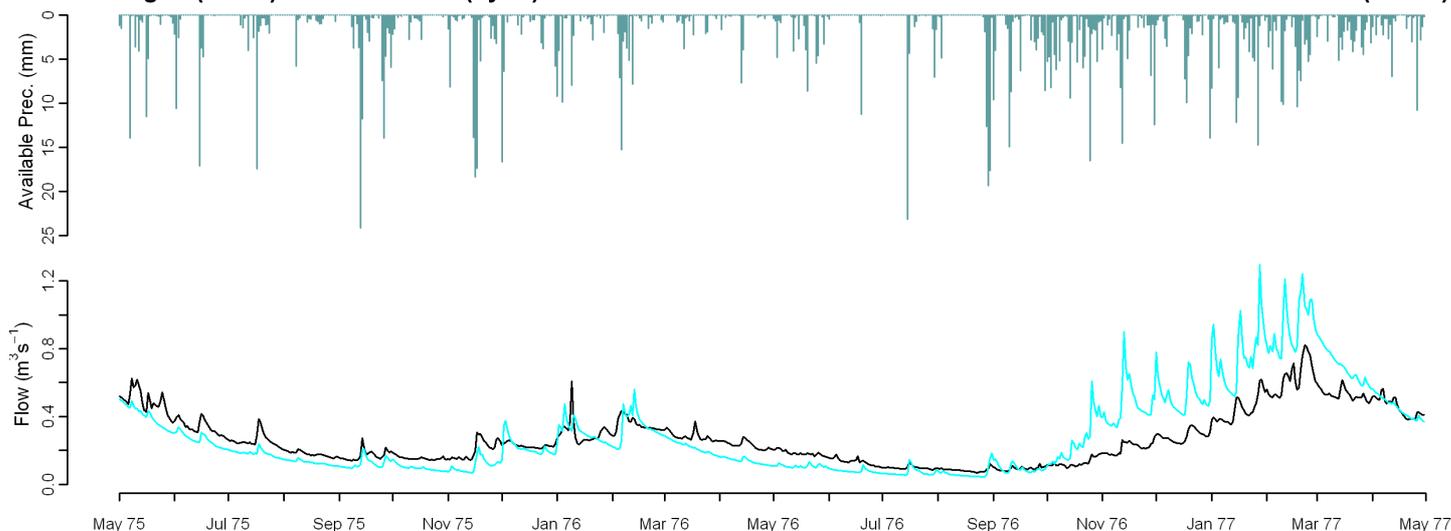
## Observed Data

## Comparison of gauged and simulated flow

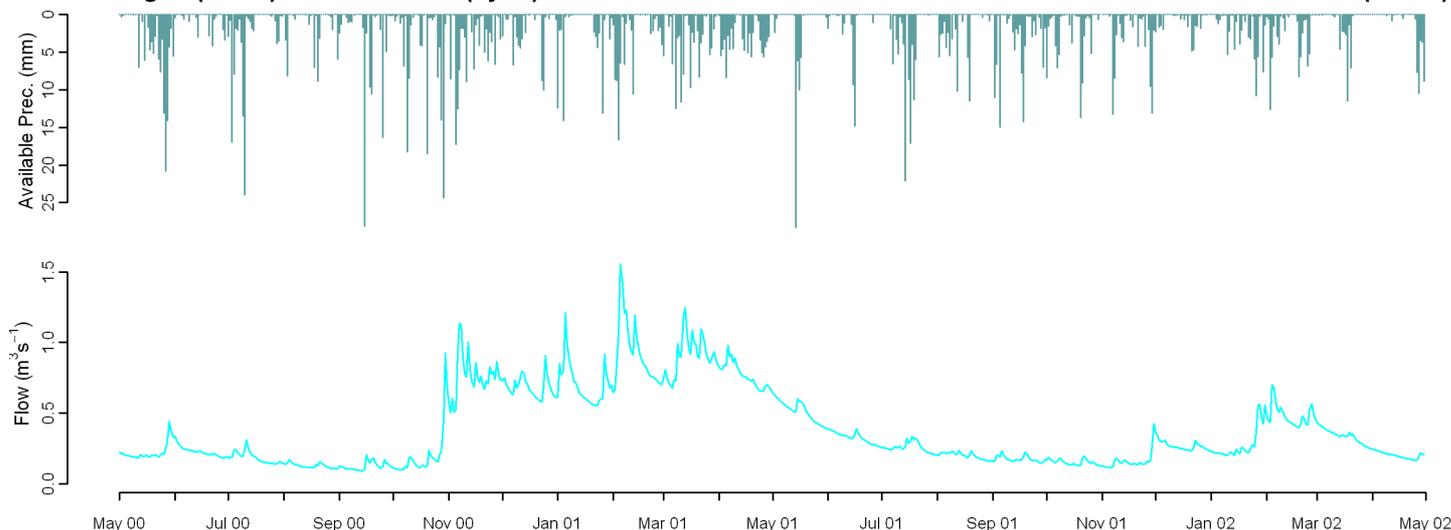
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	2.9	19.0	30.8	12.1	-3.1	-19.0	-21.1	-24.5	-25.4	-22.0	-11.6	13.6	12.5	0.41
Performance Band	1	2	3	2	1	2	2	2	2	2	2	2	2	2
MORECS (1962-1991)	2.9	19.0	30.8	12.1	-3.1	-19.0	-21.1	-24.5	-25.4	-22.0	-11.6	13.6	12.5	0.41
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-34.9	-33.7	-20.7	12.0	25.7									
Performance Band	1	1	2	2	2									
MORECS (1962-1991)	-34.9	-33.7	-20.7	12.0	25.7									

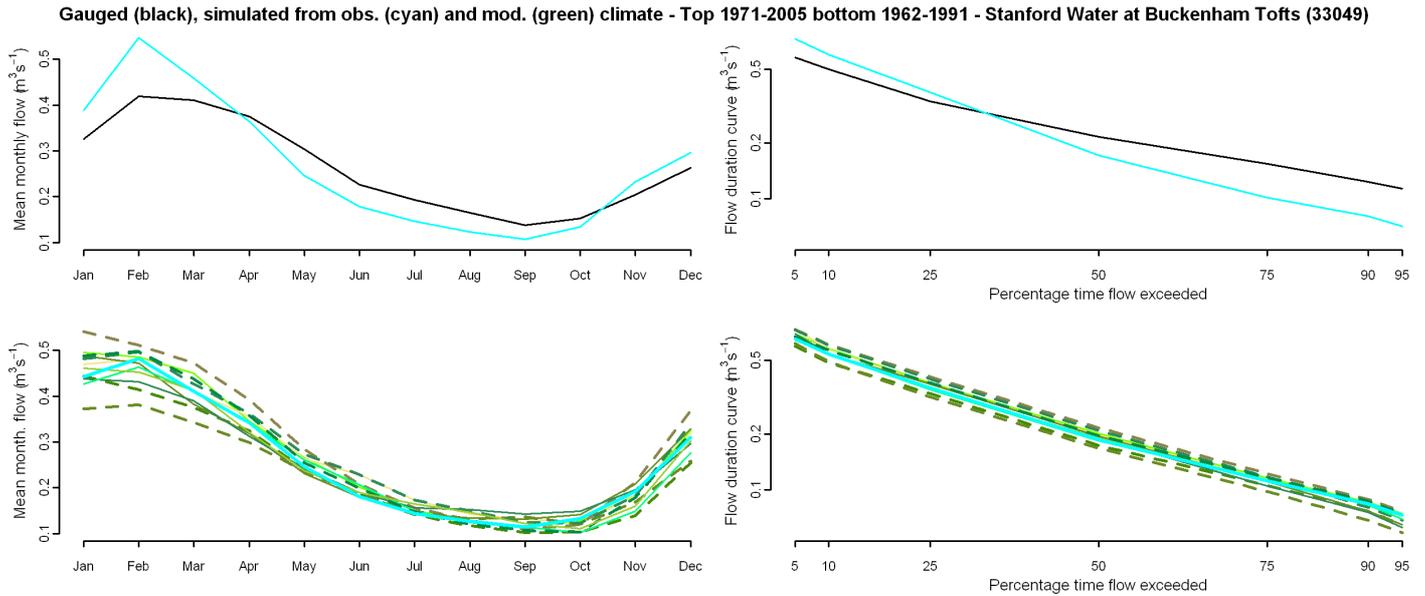
Gauged (black) and simulated (cyan) flows from observed climate - Stanford Water at Buckenham Tofts (33049)



Gauged (black) and simulated (cyan) flows from observed climate - Stanford Water at Buckenham Tofts (33049)



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

## Climate change graphs for 2050s

