

## General Information

River Name	Stour	Catchment Area (km2)	1073
Station Name	Throop	SAAR (mm) 61-90	860
Station Number	43007	Mean Annual Rain (mm) 62-91	861
Grid Reference	SZ113958	Mean Annual PE (mm) 62-91	588
EA Region	EA-SW	Observed flow record	1973 to 2005



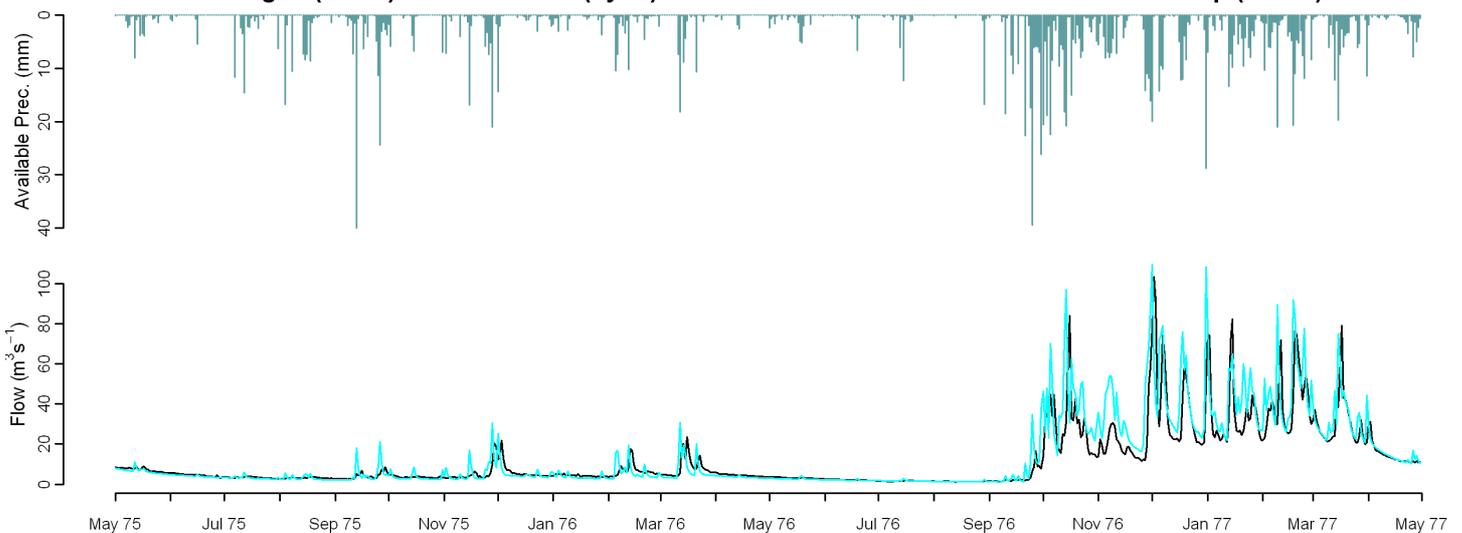
## Observed Data

## Comparison of gauged and simulated flow

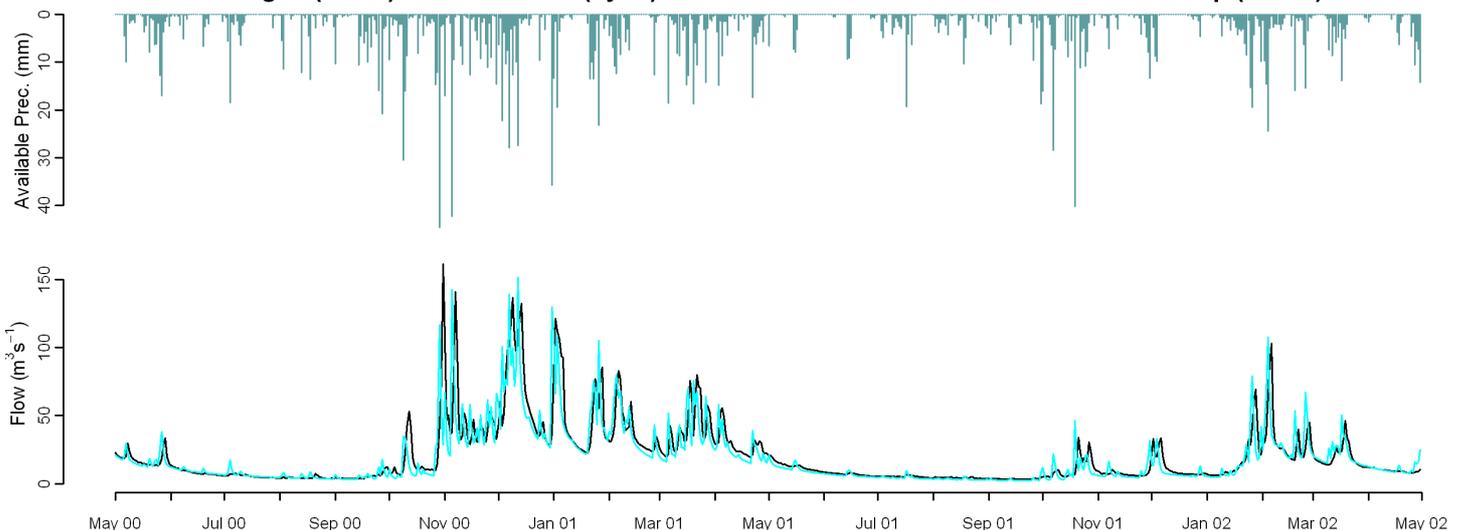
## Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-1.1	3.1	2.9	-0.4	-7.8	-5.9	1.6	5.9	4.8	0.8	-6.2	-5.9	-2.1	0.57
Performance Band	1	1	1	1	1	1	1	1	1	1	1	1	1	2
FAO (1962-1991)	6.5	14.4	7.7	4.6	-4.0	-1.1	4.2	7.4	4.9	6.0	7.9	10.0	6.1	0.51
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-7.4	-5.4	-5.2	-1.1	3.9	-3.1	-5.9	-5.1	-3.0					
Performance Band	1	1	1	1	1									
FAO (1962-1991)	-7.5	-4.4	0.7	5.4	16.0	-1.6	-3.2	0.3	6.2					

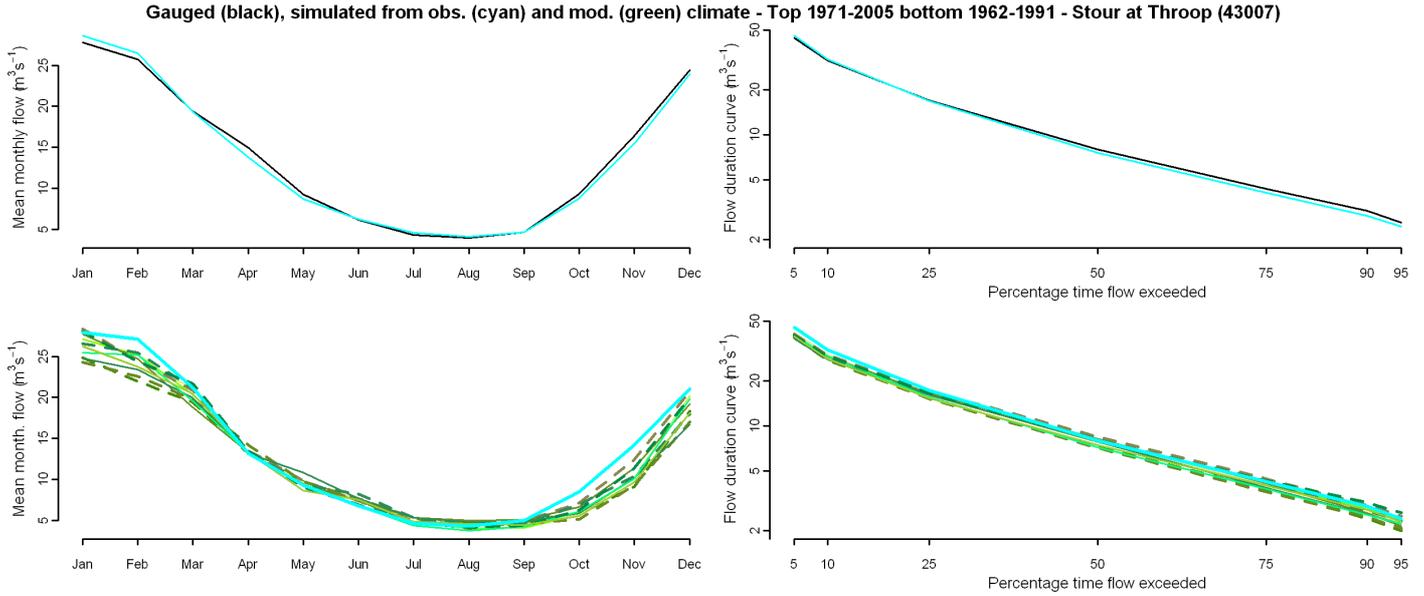
Gauged (black) and simulated (cyan) flows from observed climate - Stour at Throop (43007)



Gauged (black) and simulated (cyan) flows from observed climate - Stour at Throop (43007)



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	-12	-6	-1	-8	-13	-9	-5	-10	-7	-10
January	-3	-10	-2	4	1	-11	-11	-1	-7	1	-4
April	-2	-7	2	4	0	5	-1	1	1	0	0
July	4	3	13	4	7	10	13	9	-4	-1	0
October	-32	-33	-33	-14	-31	-40	-30	-23	-31	-28	-10
Q90	-4	-18	-9	2	-13	-17	-11	-8	-12	3	-7
Q75	0	-12	-4	6	-6	-17	-8	-2	-11	1	-6
Q50	1	-11	-3	7	-1	-13	-3	0	-12	-2	-9
Q25	-8	-13	-7	1	-6	-14	-6	-3	-11	-6	-12
Q5	-11	-14	-7	-8	-13	-16	-15	-9	-11	-12	-13
RP2	-5	-5	-5	3	-6	-7	-8	-9	-6	-2	-6
RP10	9	3	-6	-4	-5	-2	0	-10	-2	7	-4

Climate change graphs for 2050s

