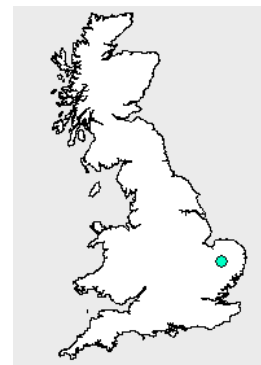


General Information

River Name	Thet	Catchment Area (km2)	316
Station Name	Melford Bridge	SAAR (mm) 61-90	620
Station Number	33019	Mean Annual Rain (mm) 62-91	621
Grid Reference	TL880830	Mean Annual PE (mm) 62-91	604
EA Region	EA-A	Observed flow record	1962 to 2005



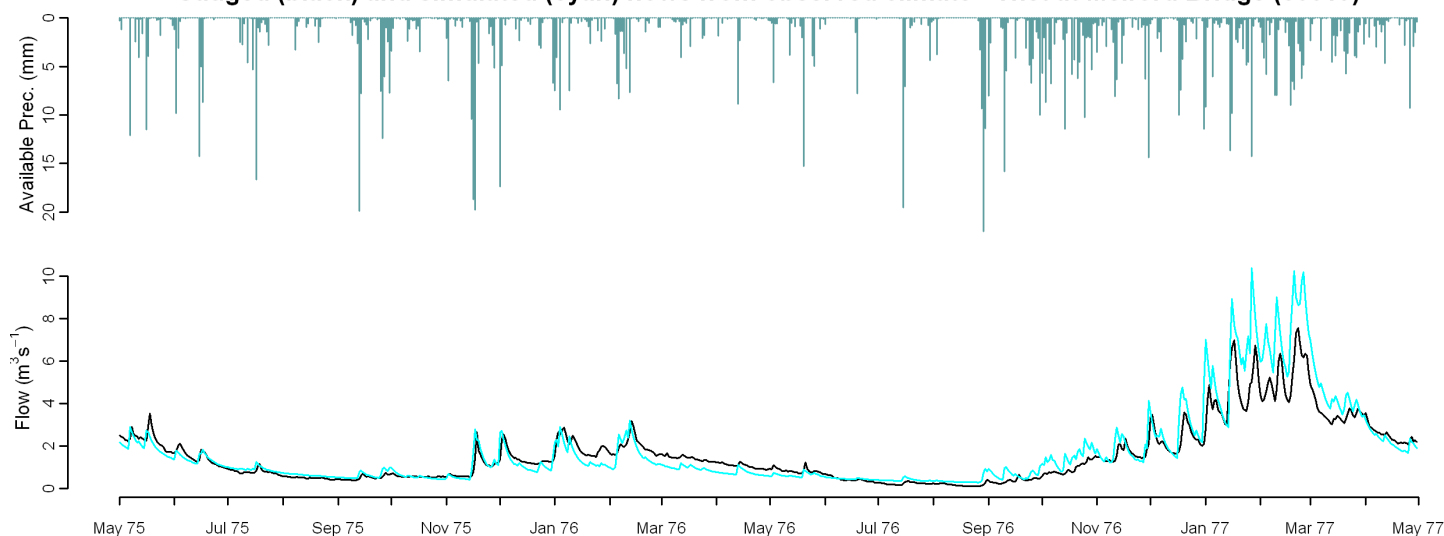
Observed Data

Comparison of gauged and simulated flow

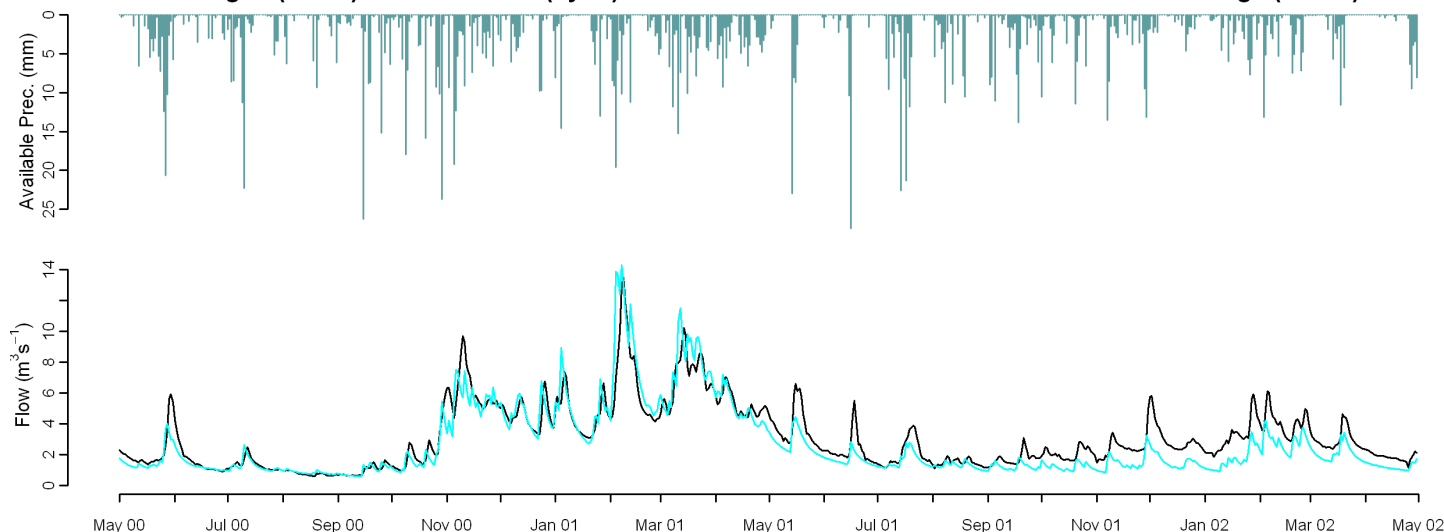
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-5.0	-0.9	3.1	-5.0	-13.2	-13.9	-6.4	4.7	5.1	-1.0	-7.3	-7.3	-8.2	0.80
Performance Band	1	1	1	1	2	2	1	1	1	1	1	1	1	1
FAO (1962-1991)	2.6	9.3	10.6	-0.5	-8.1	-7.8	0.8	7.9	8.9	4.9	0.7	5.5	3.6	0.76
	Q90	Q75	Q50	Q25	Q5	RP2			RP5	RP10	RP20			
MORECS (1971-2005)	-4.0	-4.0	-9.6	-12.6	4.4	-0.6			6.8	6.8	5.3			
Performance Band	1	1	1	2	1									
FAO (1962-1991)	4.2	1.9	-3.6	-2.1	12.8	10.6			13.7	9.9	4.4			

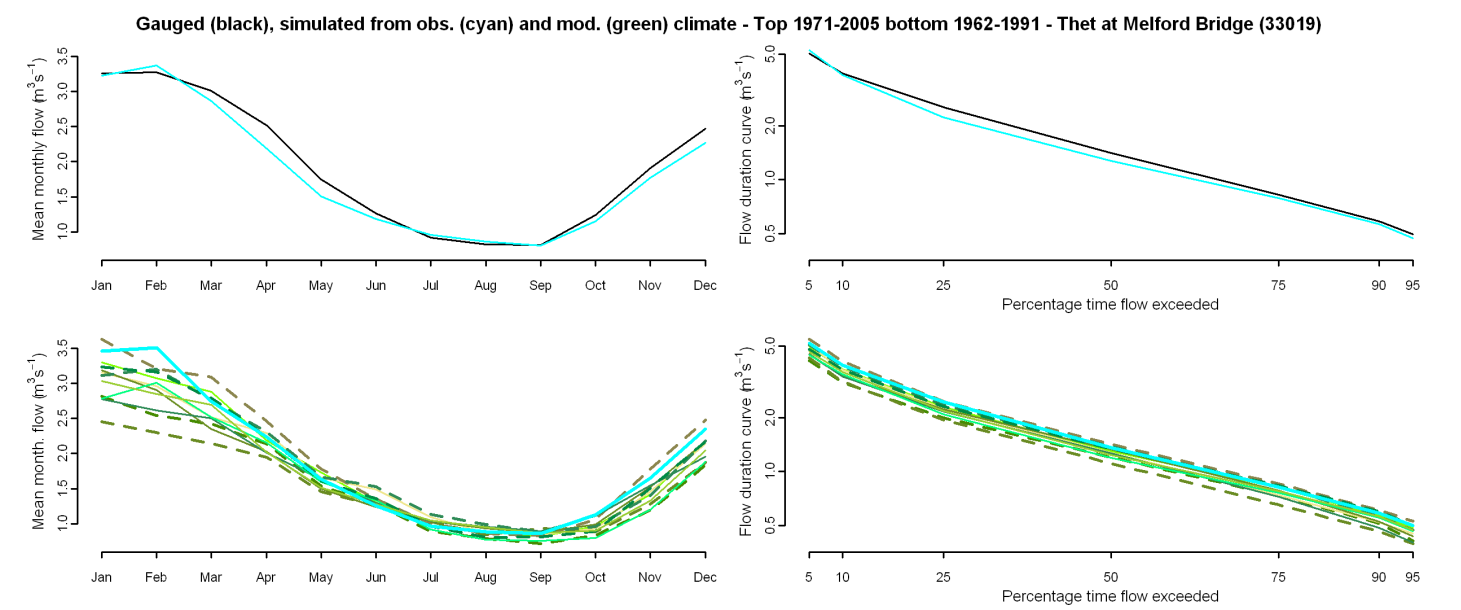
Gauged (black) and simulated (cyan) flows from observed climate - Thet at Melford Bridge (33019)



Gauged (black) and simulated (cyan) flows from observed climate - Thet at Melford Bridge (33019)



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	-5	-18	-5	5	-10	-19	-11	-2	-12	-5	-11
January	-6	-22	-6	8	-6	-27	-21	-6	-16	-6	-11
April	-4	-10	3	10	-11	-15	-11	3	-4	0	-11
July	0	-7	12	4	4	4	8	14	-5	-1	5
October	-13	-25	-17	-3	-19	-21	-1	-17	-26	-21	-11
Q90	-2	-13	-12	4	-13	-22	-17	-6	-6	1	-6
Q75	-1	-11	-11	5	-7	-21	-12	-1	-8	2	-7
Q50	-4	-11	-6	6	-6	-19	-7	2	-11	-1	-10
Q25	-7	-19	-7	2	-11	-21	-12	-3	-13	-6	-12
Q5	-6	-23	-3	7	-13	-17	-14	-2	-13	-8	-13
RP2	-20	-25	-12	-7	-24	-25	-17	-7	-16	-11	-21
RP10	-2	-10	7	3	-12	-11	1	-2	-14	-7	-16

Climate change graphs for 2050s

