

General Information

River Name	Thame	Catchment Area (km ²)	534
Station Name	Wheatley	SAAR (mm) 61-90	644
Station Number	39105	Mean Annual Rain (mm) 62-91	649
Grid Reference	SP612050	Mean Annual PE (mm) 62-91	595
EA Region	EA-SE	Observed flow record	1989 to 2005



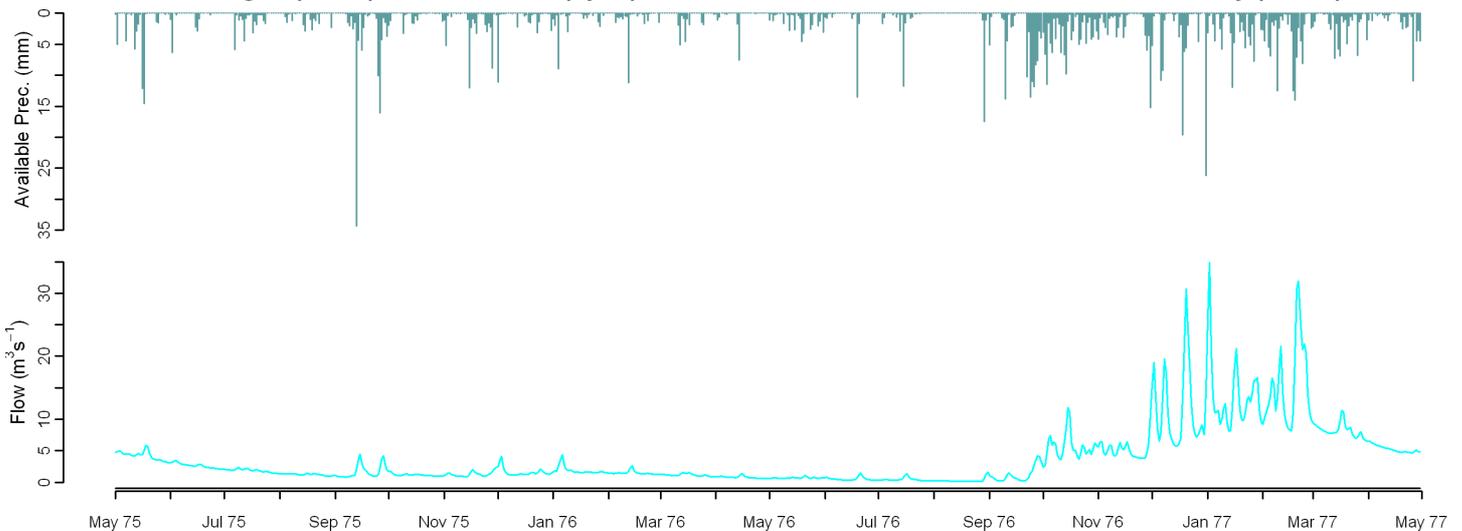
Observed Data

Comparison of gauged and simulated flow

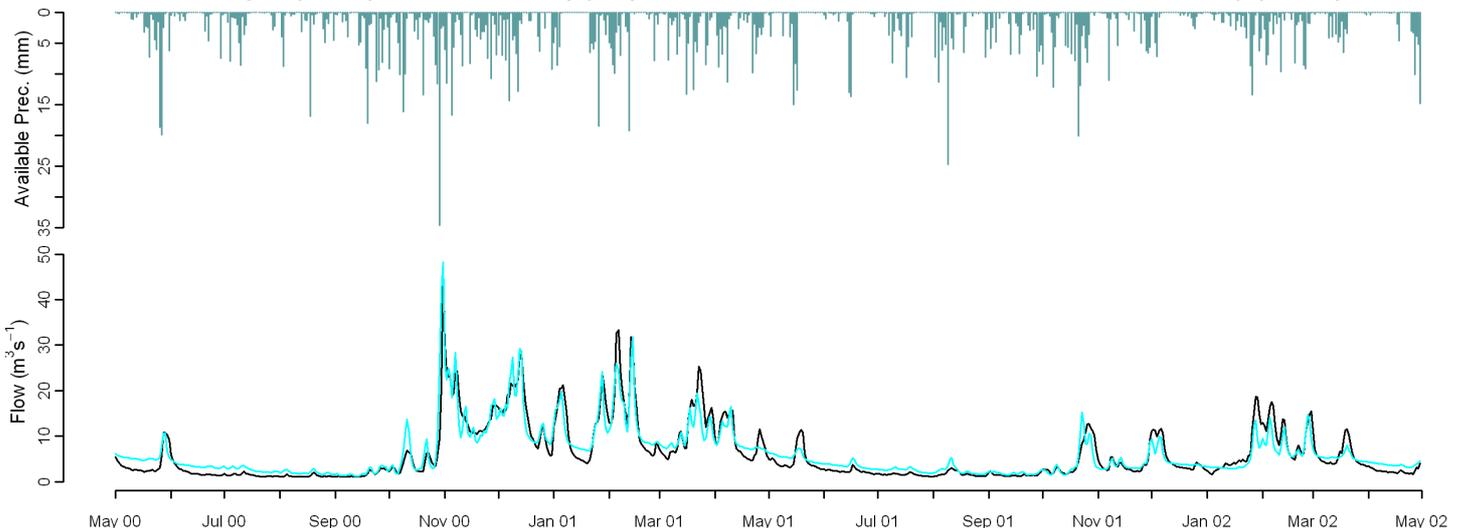
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	3.5	-3.8	1.1	10.2	-6.6	30.7	33.2	30.2	15.9	-3.2	2.8	3.3	-1.1	0.82
Performance Band	1	1	1	1	2	2	2	2	1	1	1	2	1	1
MORECS (1962-1991)														
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-8.8	21.0	33.9	18.8	-12.9									
Performance Band	1	1	2	2	1									
MORECS (1962-1991)														

Gauged (black) and simulated (cyan) flows from observed climate - Thame at Wheatley (39105)

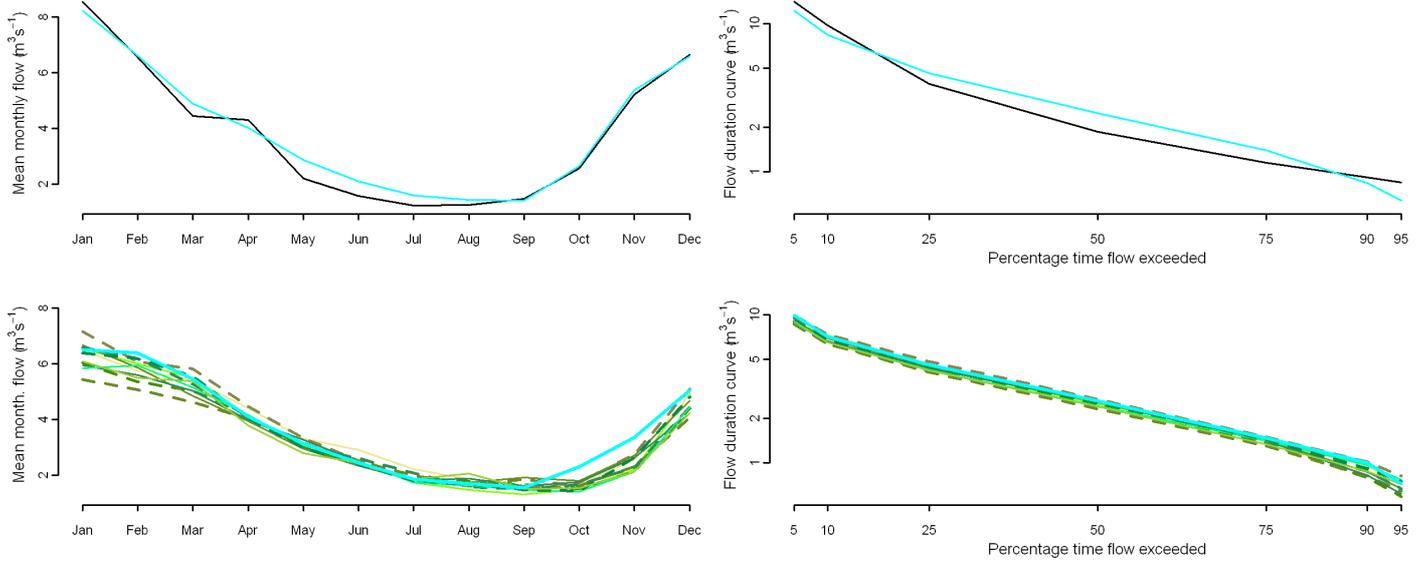


Gauged (black) and simulated (cyan) flows from observed climate - Thame at Wheatley (39105)



Comparison of gauged and simulated flow (observed and modelled climate)

Gauged (black), simulated from obs. (cyan) and mod. (green) climate - Top 1971-2005 bottom 1962-1991 - Thame at Wheatley (39105)



Percentage difference between flow simulated from observed climate and Future Flows Climate

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	-4	-10	1	2	-5	-12	-7	-3	-8	-4	-9
January	1	-11	3	10	4	-17	-12	3	-8	-1	-7
April	1	-3	13	12	-4	-3	-1	5	3	0	-6
July	-3	0	23	0	-6	6	3	14	-4	-3	0
October	-32	-35	-26	-18	-29	-30	-22	-30	-35	-37	-33
Q90	-4	-22	-5	2	-18	-21	-14	-11	-4	-10	-12
Q75	-1	-9	2	3	-9	-15	-4	-3	-4	-4	-10
Q50	-4	-7	1	4	-4	-14	-2	-1	-7	-4	-9
Q25	-4	-12	2	6	-6	-13	-6	-2	-7	-3	-10
Q5	-9	-15	0	0	-9	-16	-12	-4	-11	-10	-12
RP2	-8	-12	0	2	-10	-2	-12	-4	-8	5	-10
RP10	-9	-2	15	5	9	19	10	7	-4	27	5

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Thame at Wheatley (39105)

