

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



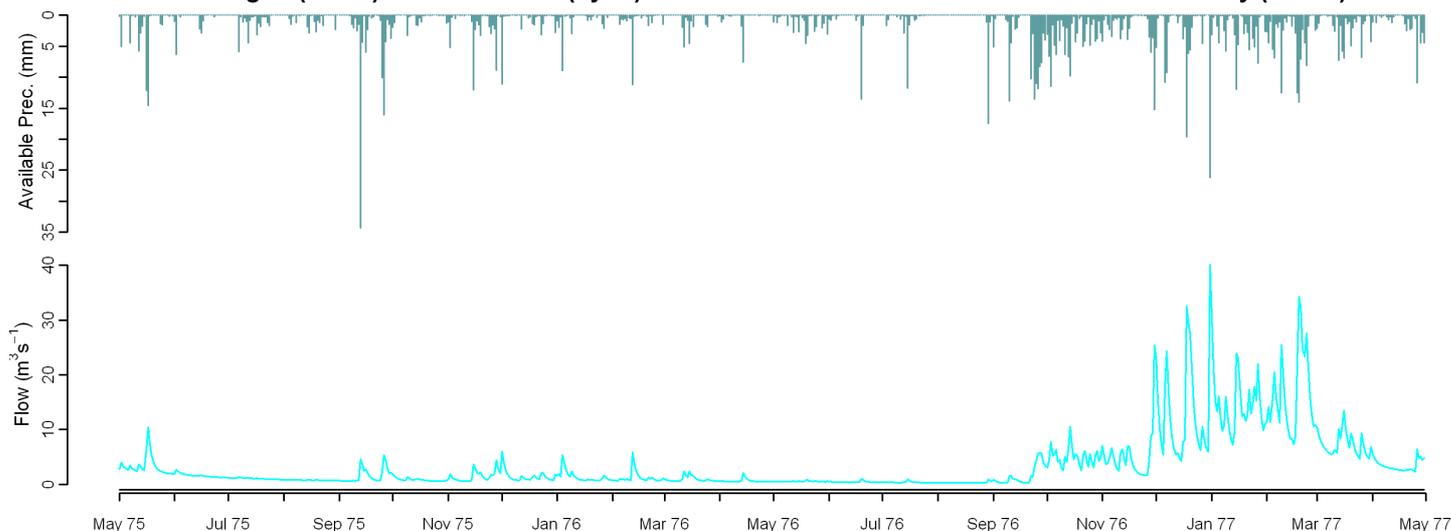
Observed Data

Comparison of gauged and simulated flow

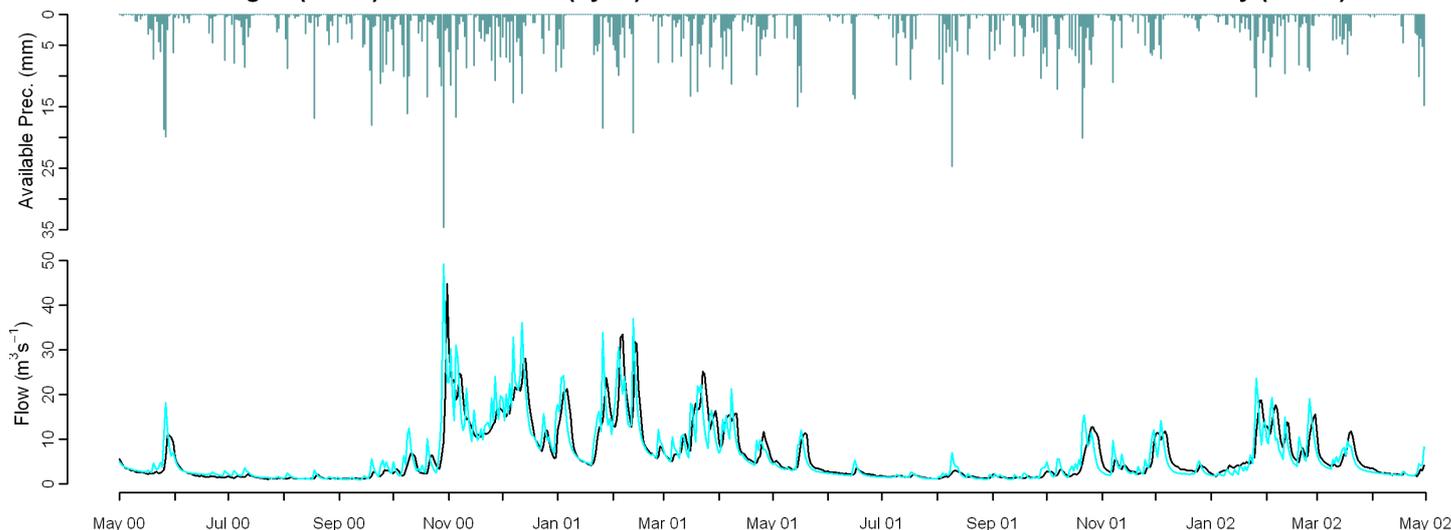
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-1.0	-2.6	-2.1	-4.7	-10.5	3.2	5.6	7.0	6.5	1.8	6.5	5.5	0.9	0.67
Performance Band	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FAO (1962-1991)														
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-23.5	-9.4	3.9	6.3	-3.5	-1.3	-6.8	-8.8	-10.0					
Performance Band	1	1	1	1	1									
FAO (1962-1991)														

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

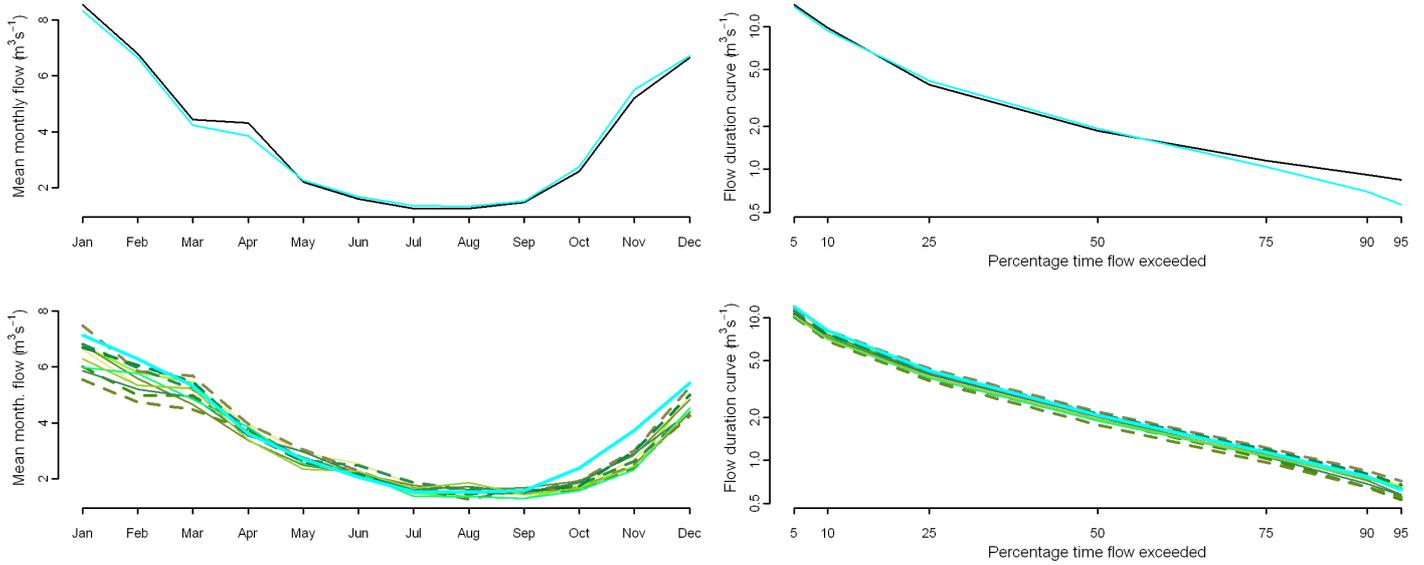


Gauged (black) and simulated (cyan) flows from observed climate - Thame at Wheatley (39105)



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	-6	-15	-4	2	-9	-17	-10	-3	-11	-5	-12
January	-5	-20	-4	5	-3	-22	-21	-2	-13	-7	-13
April	2	-3	14	12	-7	-1	1	10	9	1	-4
July	-1	2	19	5	9	8	7	22	-8	0	8
October	-24	-32	-25	-13	-26	-31	-21	-26	-30	-27	-12
Q90	1	-17	-4	11	-9	-17	-10	-2	-5	2	-3
Q75	1	-11	-4	9	-7	-17	-7	3	-6	3	-6
Q50	-2	-9	-1	8	-4	-15	-3	3	-8	1	-8
Q25	-4	-14	-2	5	-7	-17	-7	0	-10	0	-11
Q5	-12	-19	-6	-3	-14	-19	-16	-7	-14	-12	-15
RP2	-12	-7	-10	1	-14	-11	-16	-11	-5	-4	-14
RP10	-5	-1	1	0	3	4	-1	2	-8	9	-4

Climate change graphs for 2050s

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

