

General Information

River Name	Mole	Catchment Area (km ²)	328
Station Name	Woodleigh	SAAR (mm) 61-90	1306
Station Number	50006	Mean Annual Rain (mm) 62-91	1314
Grid Reference	SS660211	Mean Annual PE (mm) 62-91	574
EA Region	EA-SW	Observed flow record	1965 to 2005



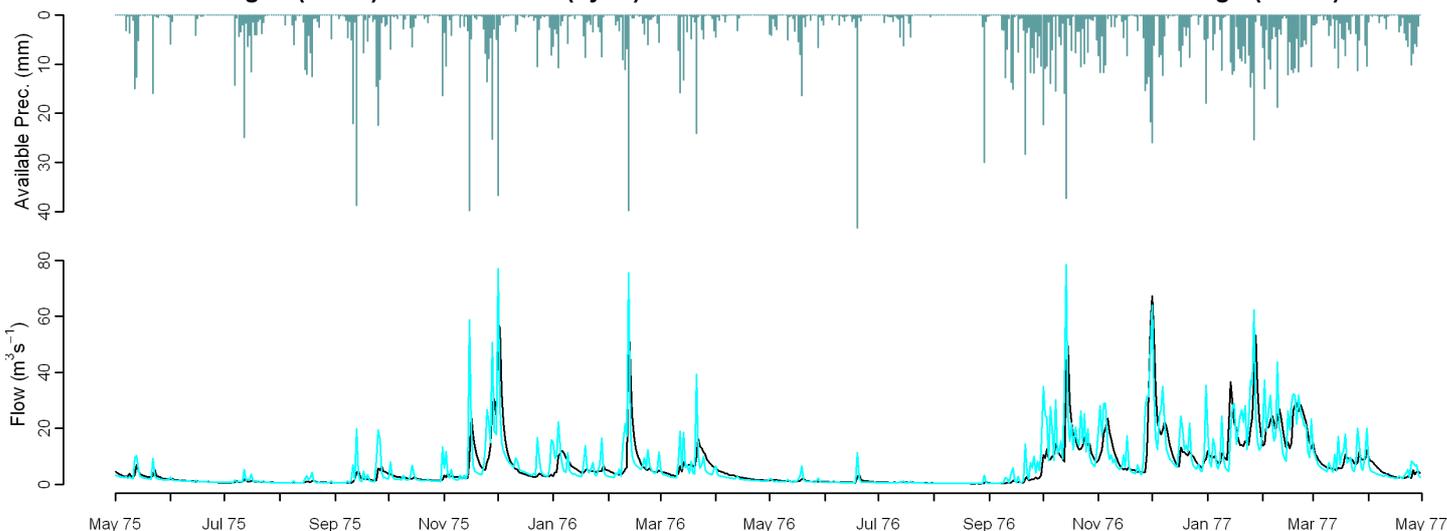
Observed Data

Comparison of gauged and simulated flow

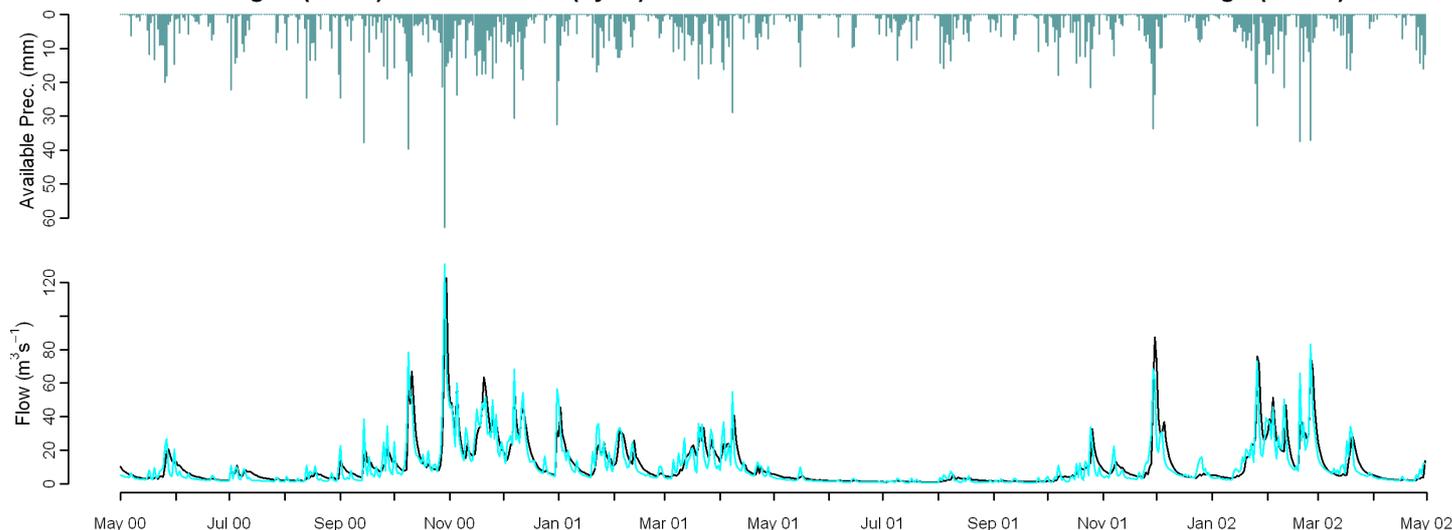
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-2.1	1.7	0.0	-4.0	-9.2	-16.0	-14.6	-14.3	-7.0	0.4	0.6	1.2	-0.2	0.63
Performance Band	1	1	1	1	1	2	2	2	1	1	1	1	1	2
FAO (1962-1991)	5.1	6.5	1.7	2.1	-2.5	-0.7	2.4	-3.2	-2.6	12.2	12.9	9.2	6.1	0.55
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-20.4	-17.8	-16.7	-6.5	10.5	-0.4	-9.1	-13.2	-16.0					
Performance Band	1	1	2	1	1									
FAO (1962-1991)	-8.3	-8.0	-7.0	0.1	14.4	4.2	-9.6	-16.0	-20.6					

Gauged (black) and simulated (cyan) flows from observed climate - Mole at Woodleigh (50006)

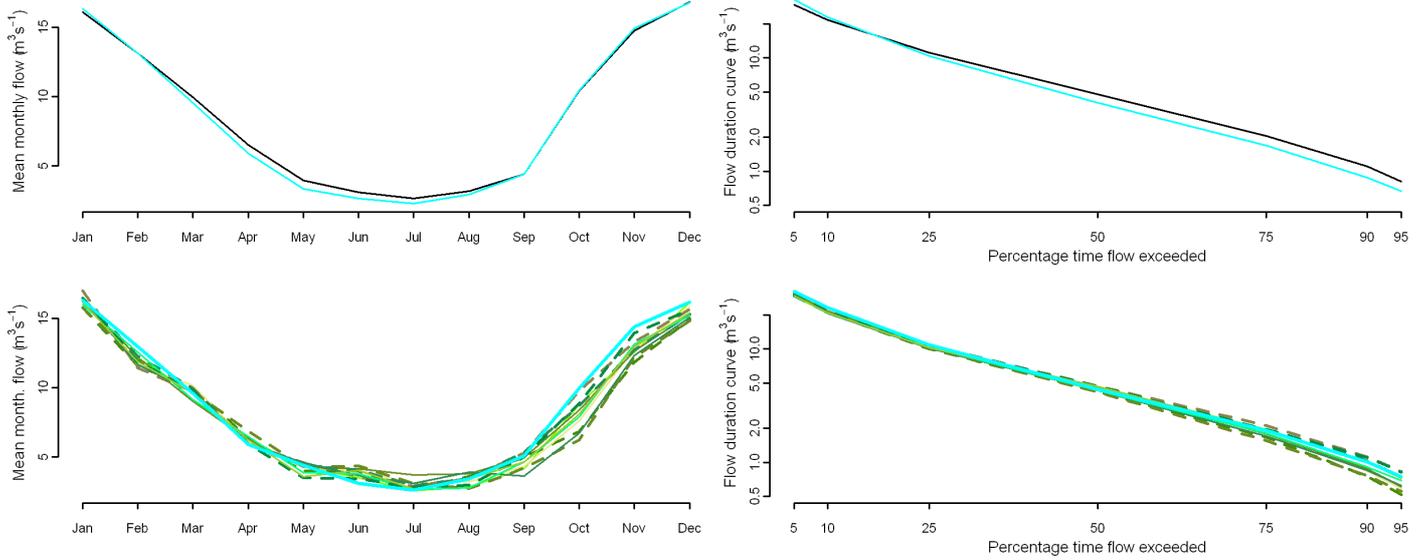


Gauged (black) and simulated (cyan) flows from observed climate - Mole at Woodleigh (50006)



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 - Mole at Woodleigh (50006)



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	-8	-4	0	-4	-8	-7	-2	-6	-5	-5
January	0	-3	5	5	2	-2	-1	5	-2	-3	0
April	4	0	3	2	5	13	-1	1	6	-2	8
July	-4	6	15	9	31	14	18	8	7	5	0
October	-13	-32	-25	0	-21	-38	-31	-16	-22	-13	-5
Q90	-1	-26	-16	9	-16	-26	-15	1	-9	7	0
Q75	2	-13	-7	10	-9	-21	-9	1	-5	0	-1
Q50	3	-6	1	8	2	-7	-1	4	-2	4	4
Q25	-2	-8	-2	1	-2	-7	-5	-1	-5	-4	-6
Q5	-10	-7	-5	-5	-6	-8	-8	-4	-9	-10	-8
RP2	-2	-11	-5	-2	-5	-8	-4	-10	-2	-4	-5
RP10	-3	-9	4	3	-2	8	4	-10	2	7	8

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Mole at Woodleigh (50006)

