

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



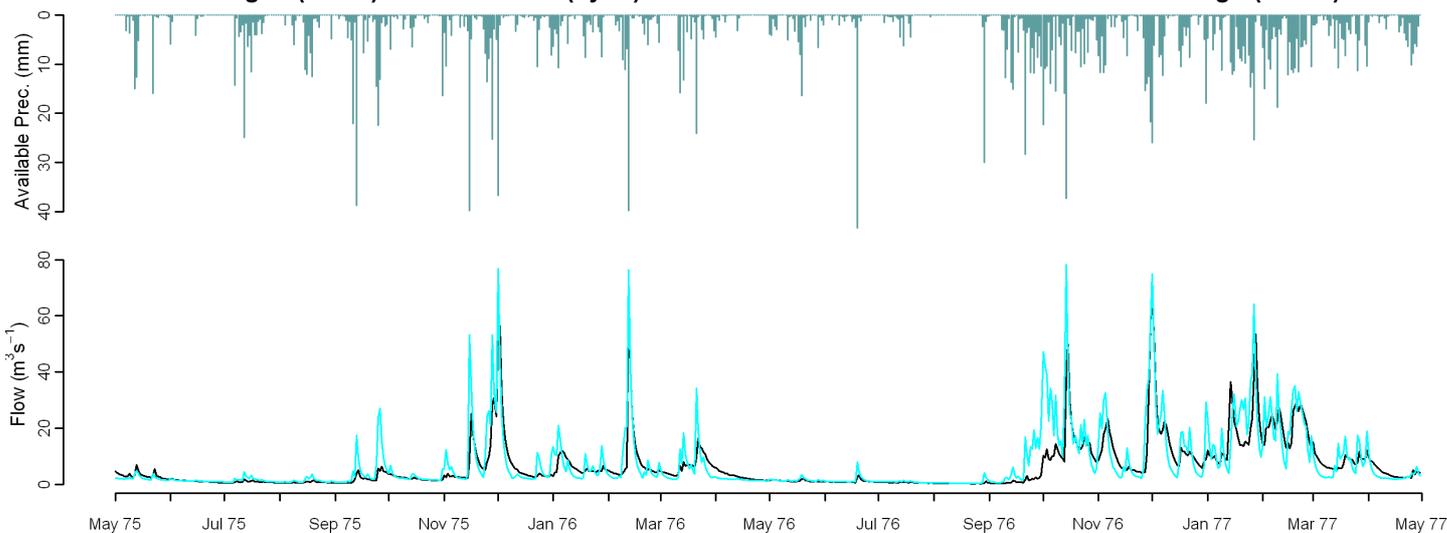
Observed Data

Comparison of gauged and simulated flow

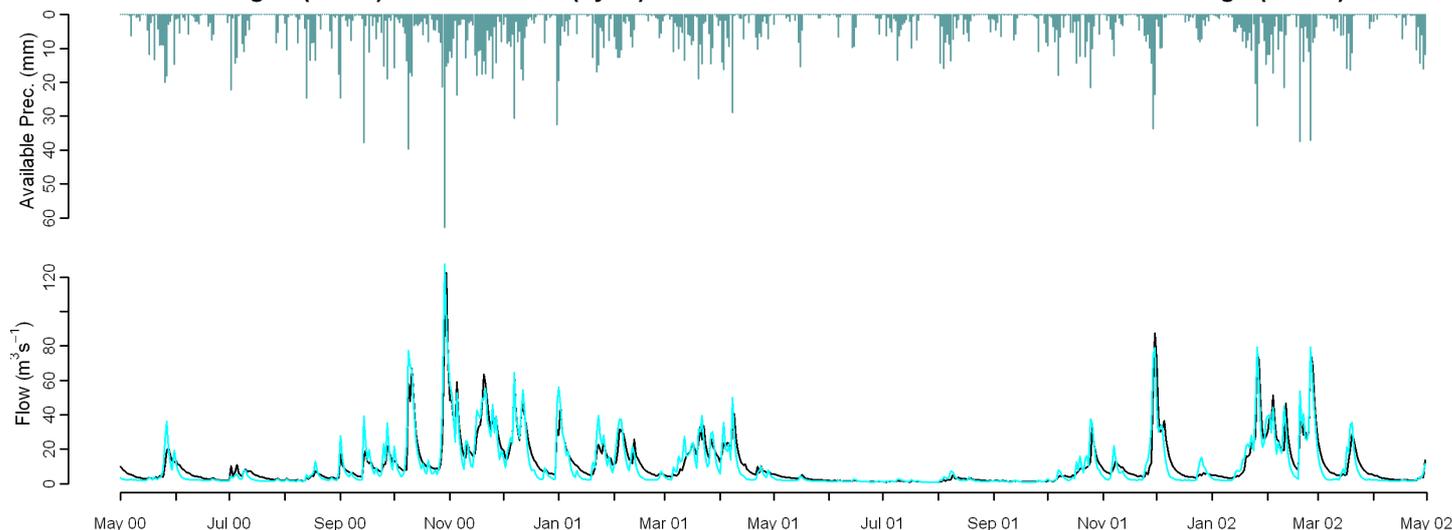
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	1.2	0.8	-3.5	-7.4	-16.5	-18.9	-5.4	-1.7	16.9	24.7	16.6	5.3	1.6	0.71
Performance Band	1	1	1	1	2	2	1	1	2	3	2	1	1	1
MORECS (1962-1991)	3.2	3.1	-2.4	-5.8	-16.8	-15.8	1.8	4.8	10.7	26.9	18.4	7.0	4.0	0.66
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	9.7	-14.1	-38.9	-3.5	22.2									
Performance Band	1	1	2	2	2									
MORECS (1962-1991)	16.3	-13.7	-37.8	-1.9	24.1									

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

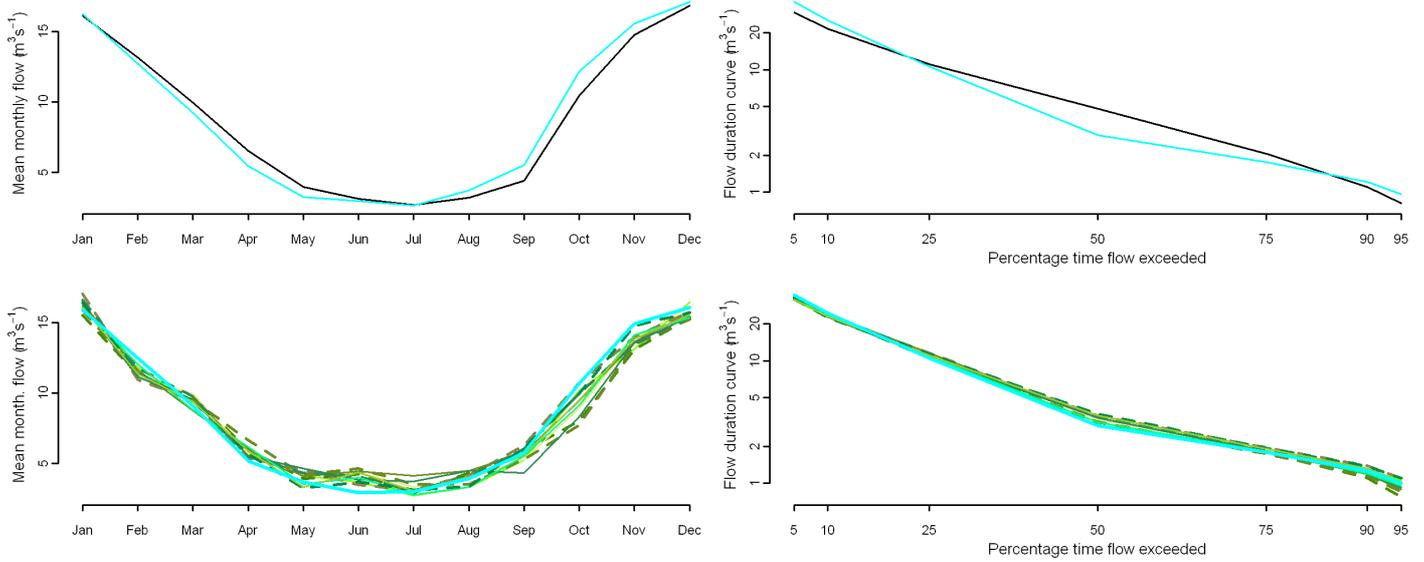


Gauged (black) and simulated (cyan) flows from observed climate - Mole at Woodleigh (50006)



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	0	-2	-1	2	1	-1	-2	2	-3	-2	-1
January	3	-3	9	6	4	2	1	8	1	-1	3
April	13	11	13	9	16	28	10	8	14	8	17
July	-10	5	8	5	29	22	25	10	-2	1	-1
October	-6	-18	-17	4	-15	-24	-17	-9	-13	-8	-12
Q90	2	-14	-8	8	-10	-11	-7	4	-7	3	3
Q75	6	-1	2	9	0	-4	1	5	0	5	6
Q50	21	6	11	21	13	7	16	19	6	21	18
Q25	5	0	7	10	7	4	3	11	2	4	5
Q5	-9	-4	-3	-4	-5	-5	-7	-4	-8	-9	-8
RP2	2	-5	-4	1	-2	-2	4	-5	4	3	1
RP10	-2	-2	0	9	6	7	8	-5	6	13	8

Climate change graphs for 2050s

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

