

General Information

River Name	Mole	Catchment Area (km2)	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



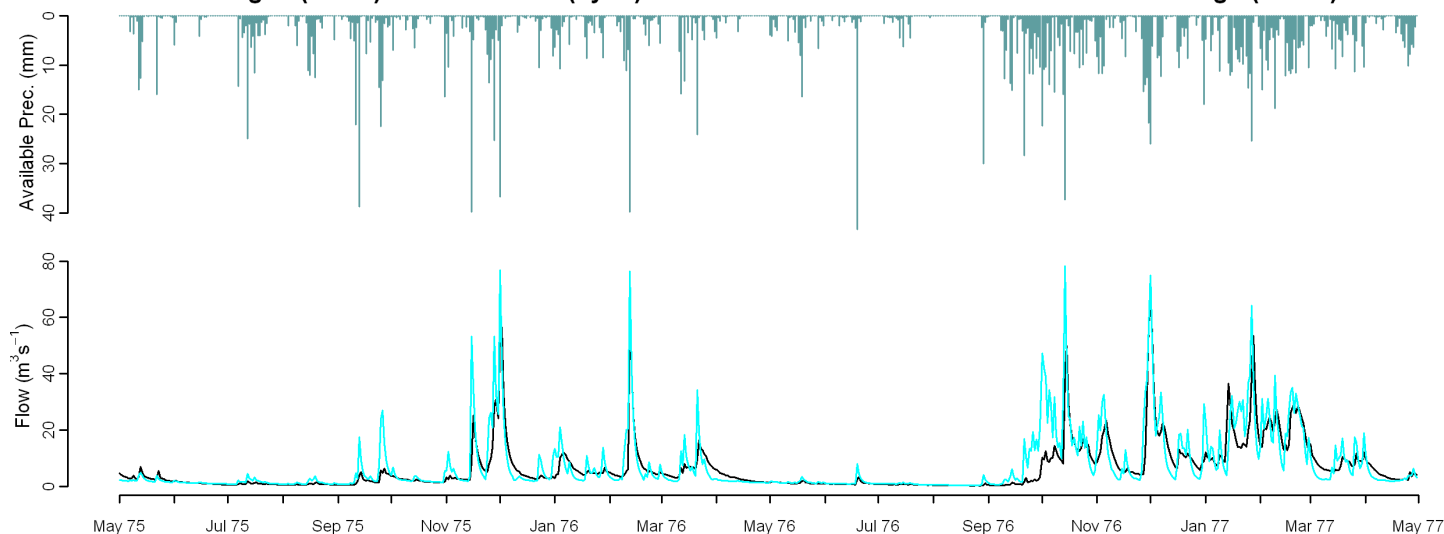
Observed Data

Comparison of gauged and simulated flow

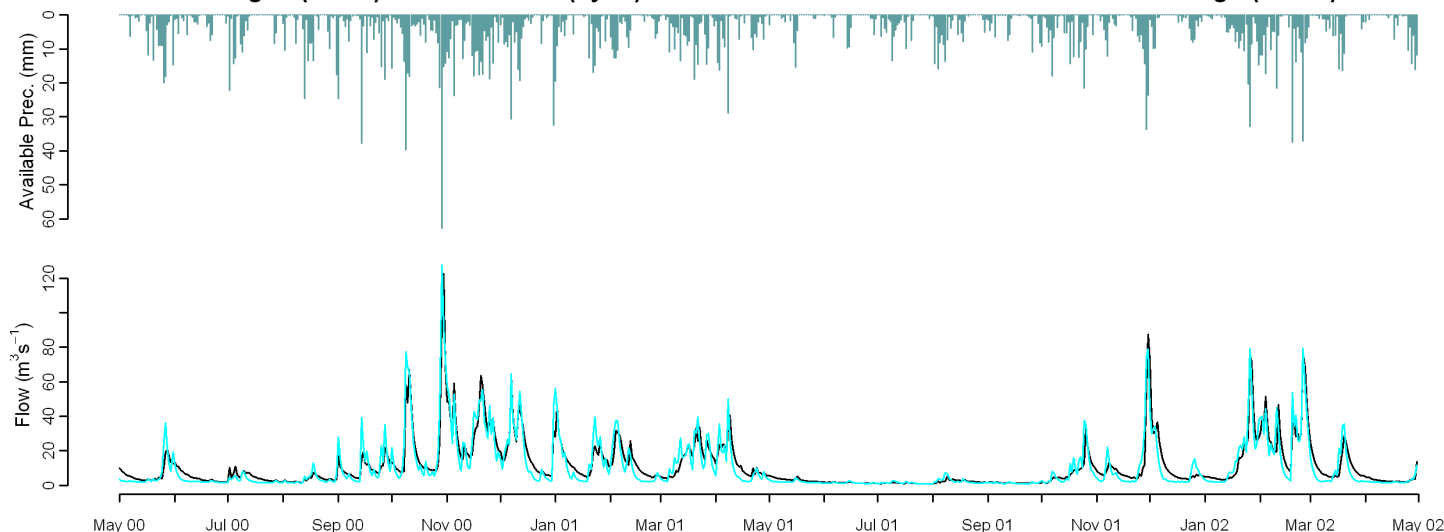
Model used: CERF

	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									
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									

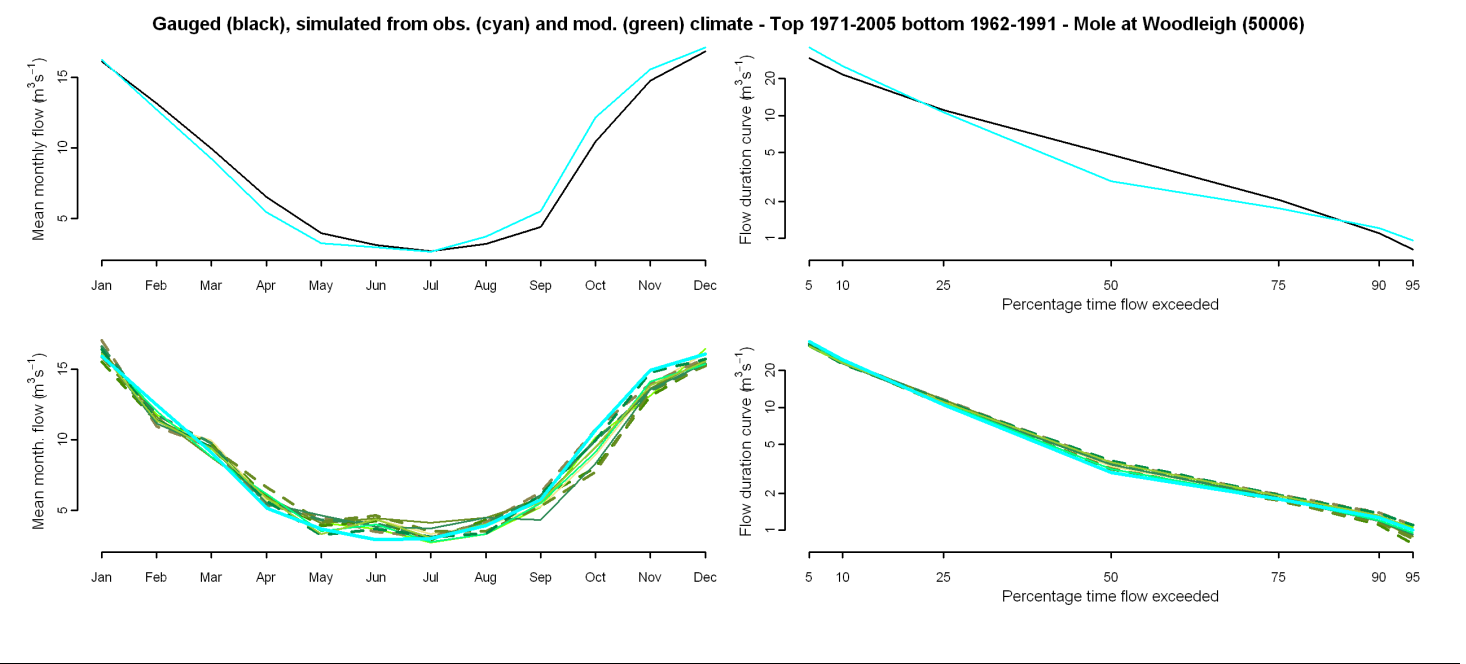
Gauged (black) and simulated (cyan) flows from observed climate - Mole at Woodleigh (50006)



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



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



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

