

General Information

River Name	Erme	Catchment Area (km2)	44
Station Name	Ermington	SAAR (mm) 61-90	1710
Station Number	46006	Mean Annual Rain (mm) 62-91	1728
Grid Reference	SX642532	Mean Annual PE (mm) 62-91	589
EA Region	EA-SW	Observed flow record	1973 to 2005



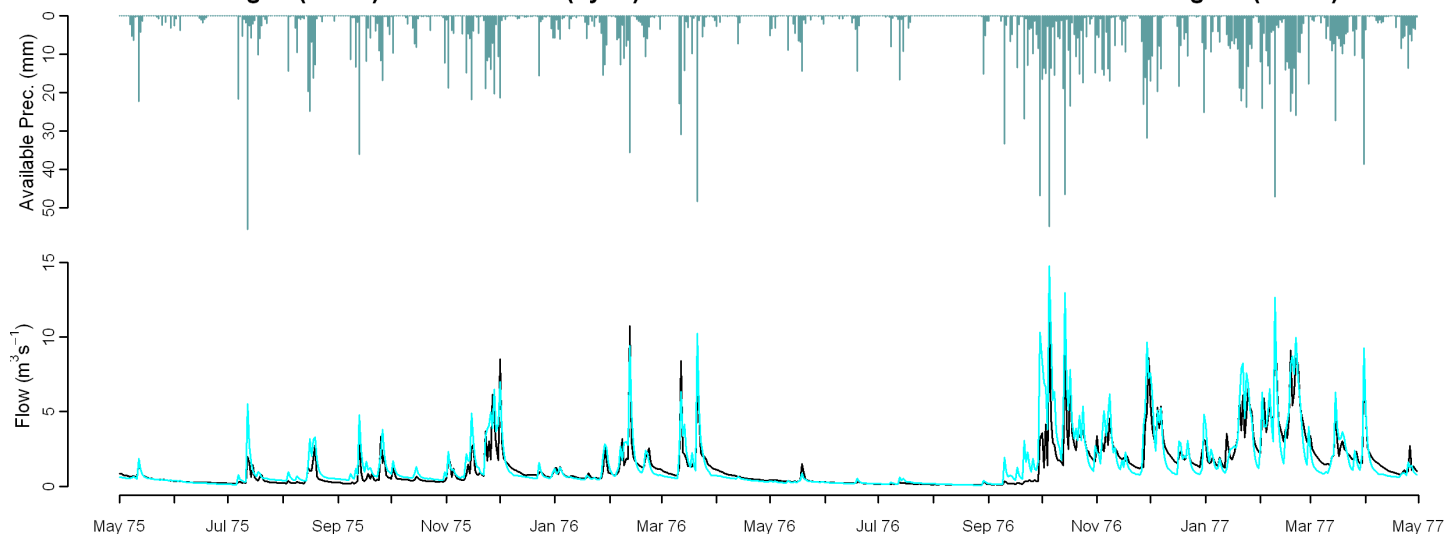
Observed Data

Comparison of gauged and simulated flow

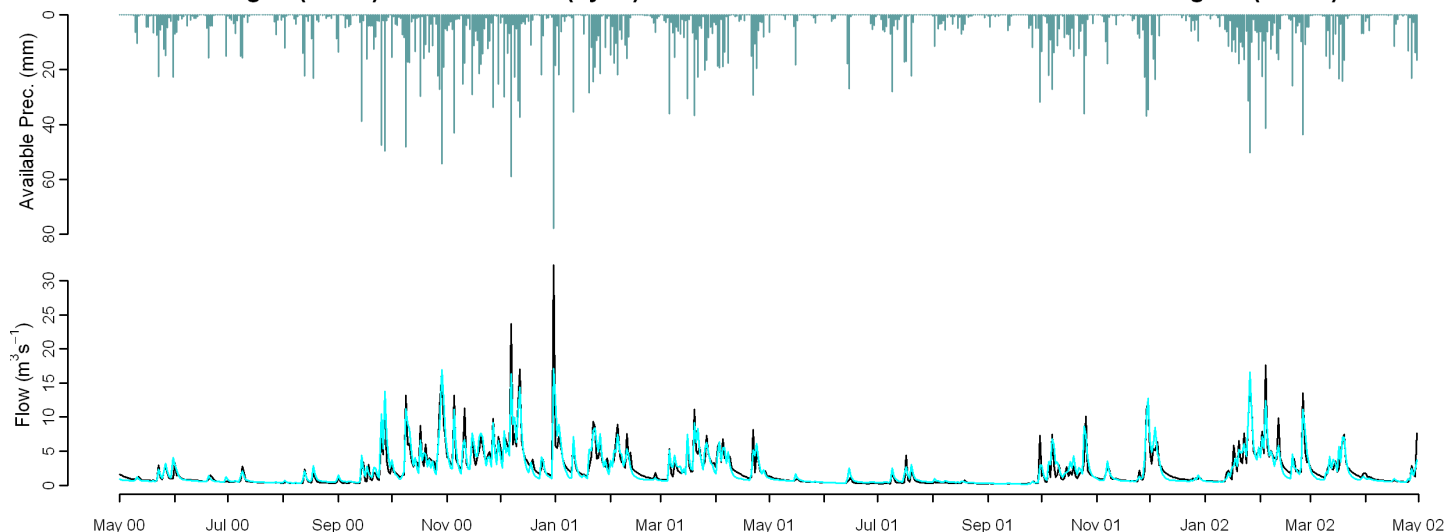
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	3.7	-3.5	-5.2	-4.2	-7.0	-1.6	8.5	19.6	28.6	36.7	19.4	2.5	-0.2	0.80
Performance Band	1	1	1	1	2	1	1	2	3	3	2	1	1	1
MORECS (1962-1991)	4.1	-3.6	-4.2	-3.1	-13.8	-5.3	10.7	16.5	25.0	42.2	22.1	2.9	2.8	0.78
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	18.4	7.2	-10.5	1.9	11.5									
Performance Band	1	1	2	1	1									
MORECS (1962-1991)	15.4	8.7	-13.1	-4.0	13.7									

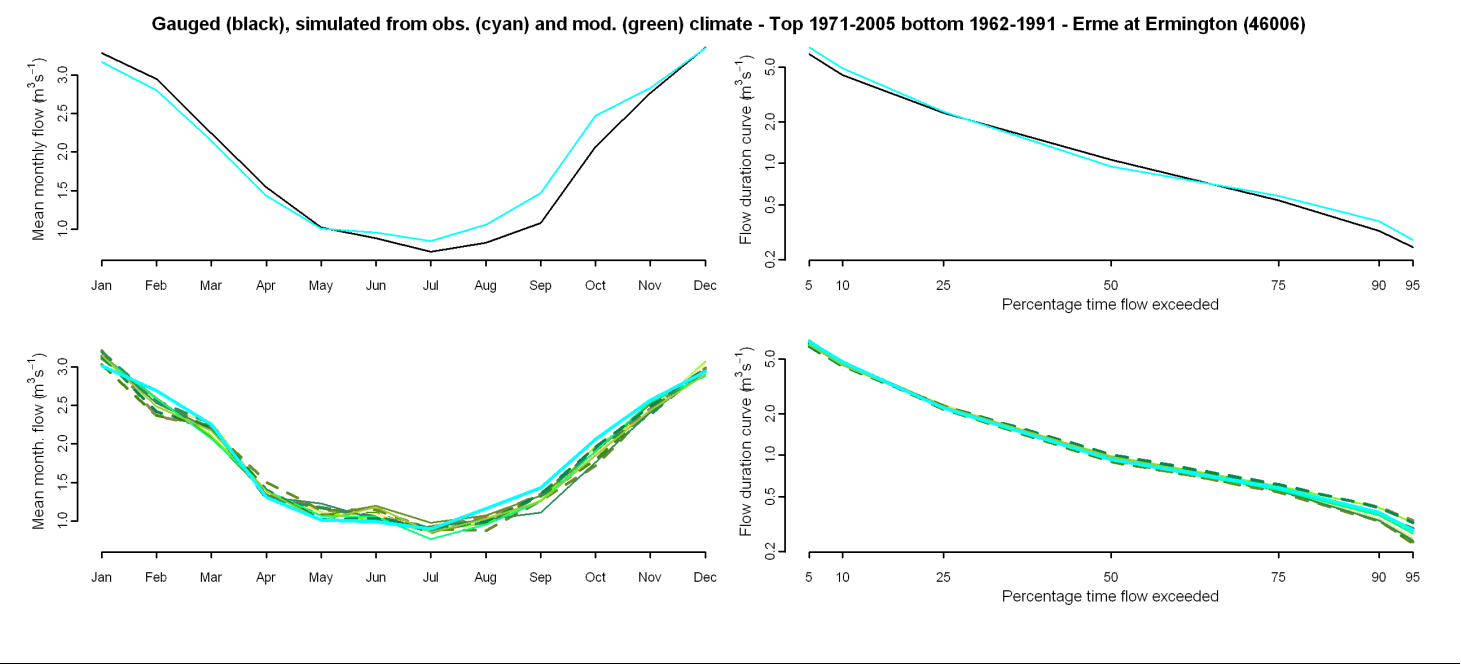
Gauged (black) and simulated (cyan) flows from observed climate - Erme at Ermington (46006)



Gauged (black) and simulated (cyan) flows from observed climate - Erme at Ermington (46006)



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	-1	-1	0	-1	0	-3	1	-2	-3	-1
January	5	0	8	6	4	5	4	8	2	3	6
April	5	-2	8	7	5	15	4	2	7	5	9
July	-2	1	-4	7	5	5	5	3	-12	-3	-4
October	-6	-6	-10	-1	-11	-12	-8	-9	-4	-4	-8
Q90	9	-14	-10	10	-8	-16	-13	-2	-6	4	-1
Q75	3	-5	-1	6	-4	-8	-4	1	-4	3	0
Q50	6	-4	4	9	0	-1	5	5	-1	7	3
Q25	2	-1	6	3	1	2	3	5	1	2	2
Q5	-4	1	-5	-4	-1	-3	-5	-2	-5	-9	-5
RP2	-1	0	-2	-1	-3	-1	5	7	4	3	1
RP10	0	1	-2	6	-4	4	6	5	12	8	-5

Climate change graphs for 2050s

