

General Information

River Name	Erme	Catchment Area (km ²)	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



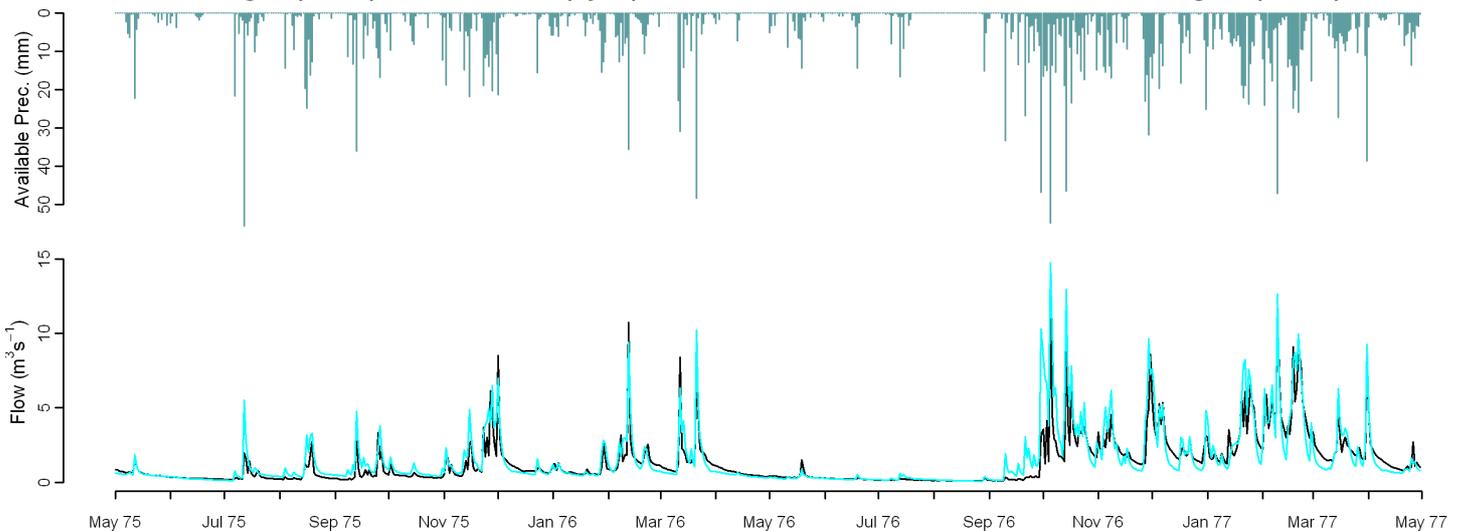
Observed Data

Comparison of gauged and simulated flow

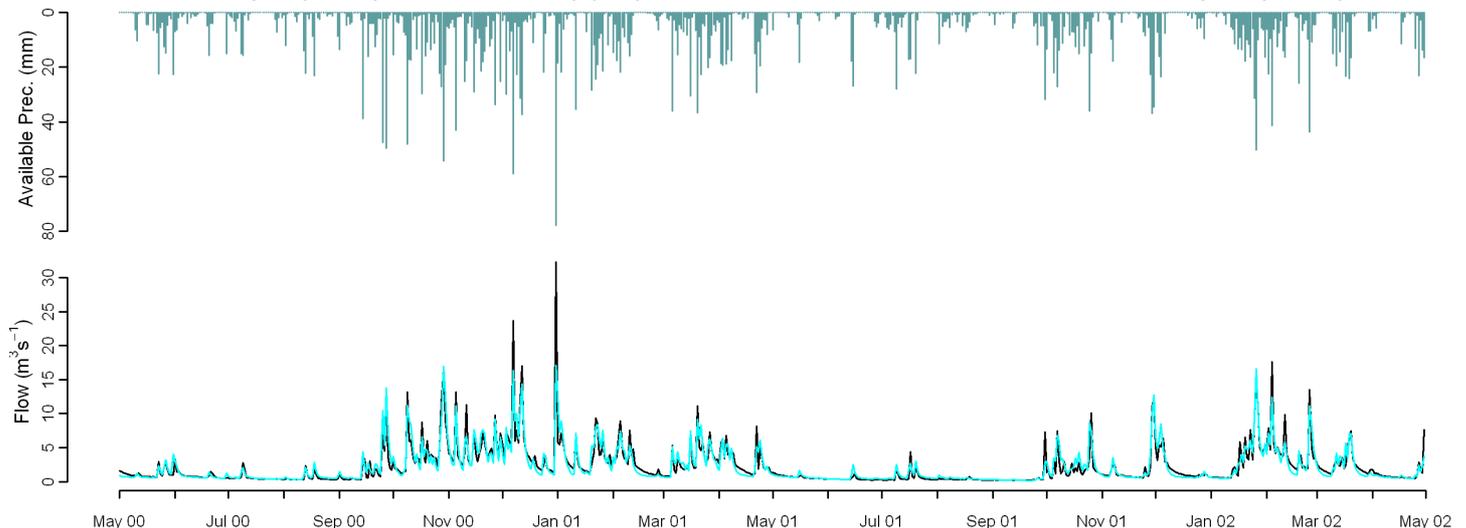
Model used: CERF

	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)

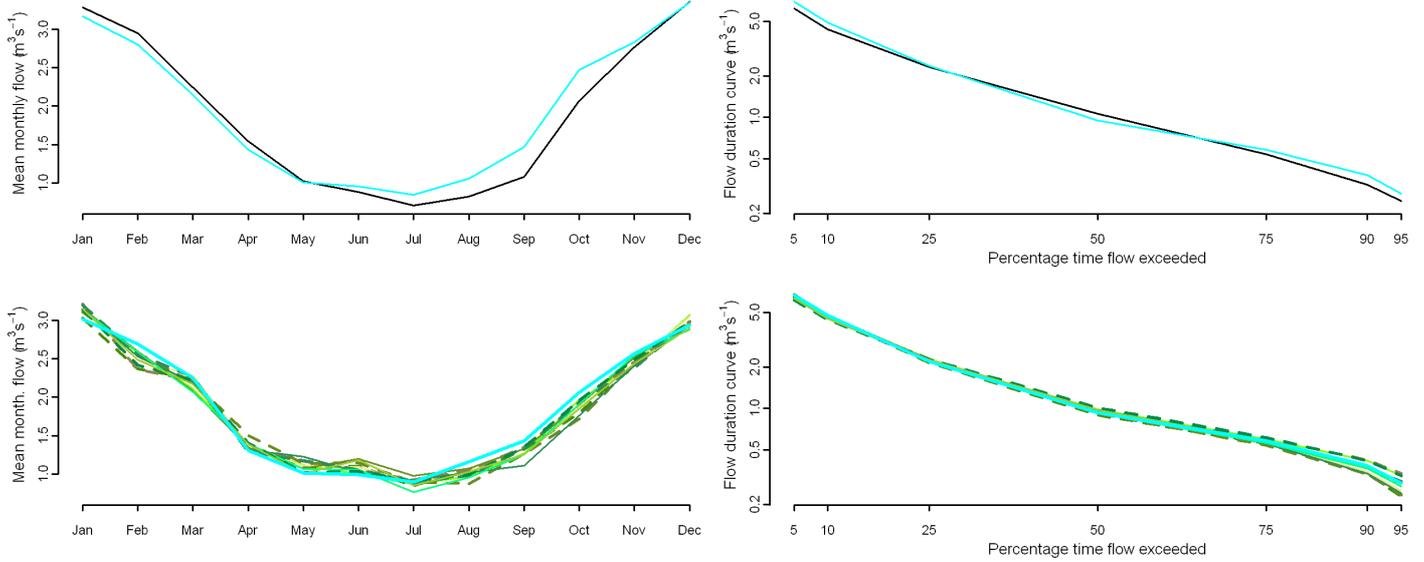


Gauged (black) and simulated (cyan) flows from observed climate - Erme at Ermington (46006)



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

Gauged (black), simulated from obs. (cyan) and mod. (green) climate - Top 1971-2005 bottom 1962-1991 - Erme at Errington (46006)



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

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Erme at Errington (46006)

