

General Information

River Name	Ure	Catchment Area (km2)	915
Station Name	Westwick Lock	SAAR (mm) 61-90	1119
Station Number	27007	Mean Annual Rain (mm) 62-91	1134
Grid Reference	SE356671	Mean Annual PE (mm) 62-91	541
EA Region	EA-NE	Observed flow record	1961 to 2005



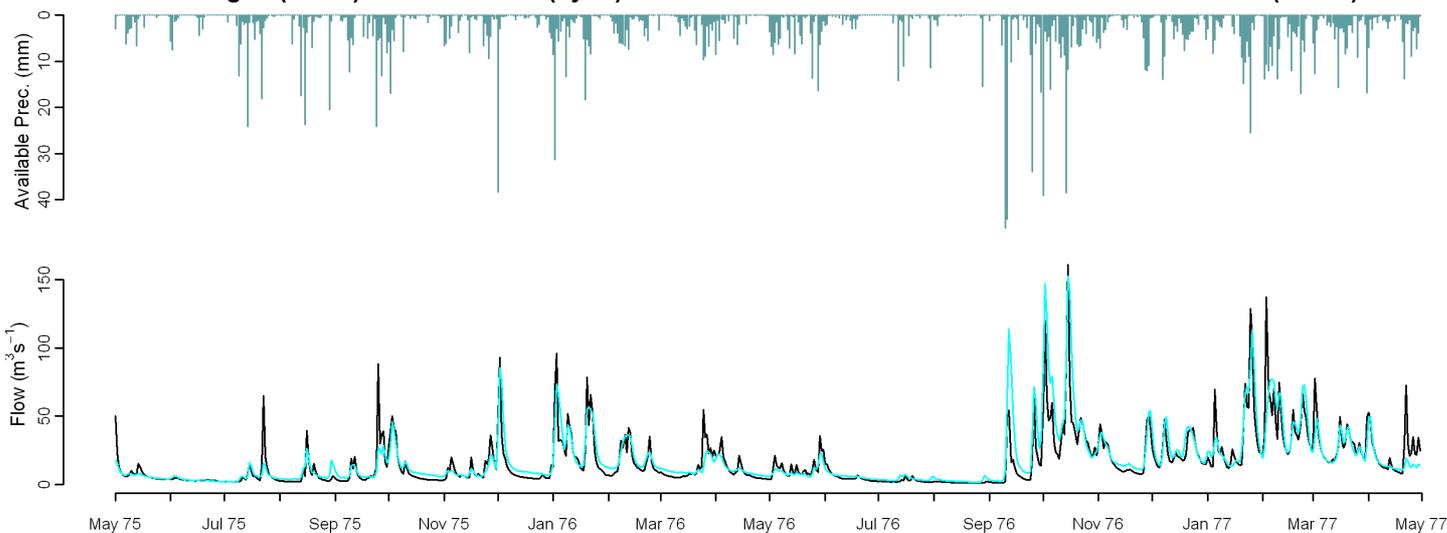
Observed Data

Comparison of gauged and simulated flow

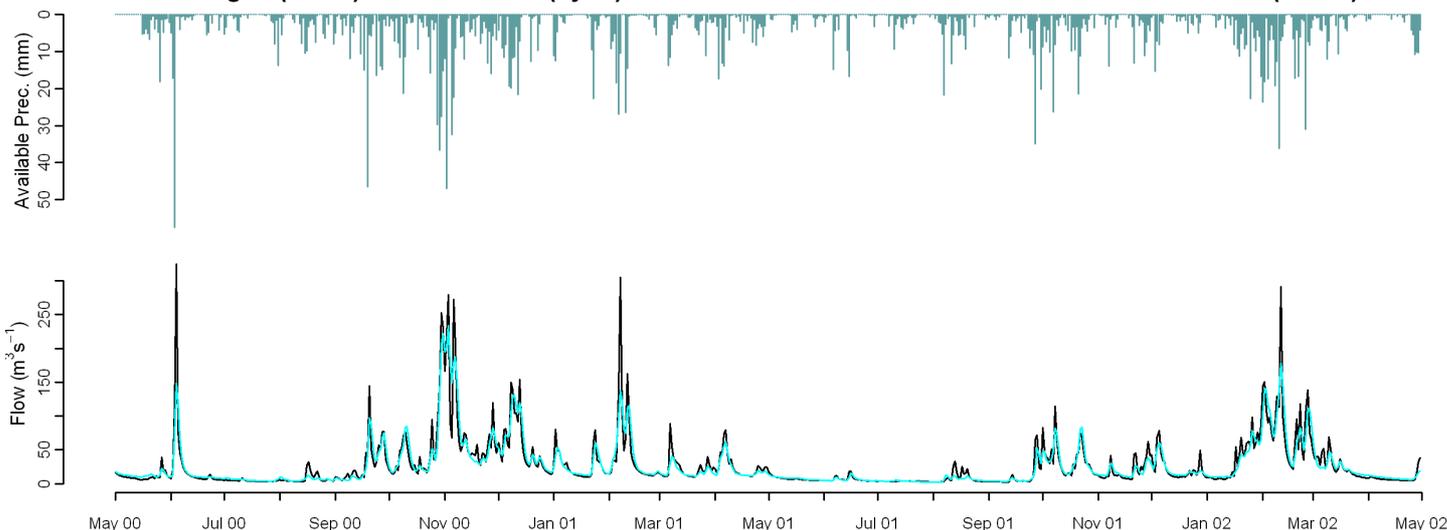
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-2.1	1.8	-2.7	-4.5	-3.2	-11.1	-10.9	-8.3	-9.2	-7.8	-0.8	3.9	7.9	0.76
Performance Band	1	1	1	1	1	1	2	1	2	1	1	1	1	1
MORECS (1962-1991)	0.5	6.5	-1.5	-3.6	-3.3	-8.6	-6.3	-7.2	-7.3	-5.7	1.4	7.4	10.0	0.73
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	14.0	18.5	10.3	-6.5	-1.2									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	22.3	25.4	13.2	-4.0	0.6									

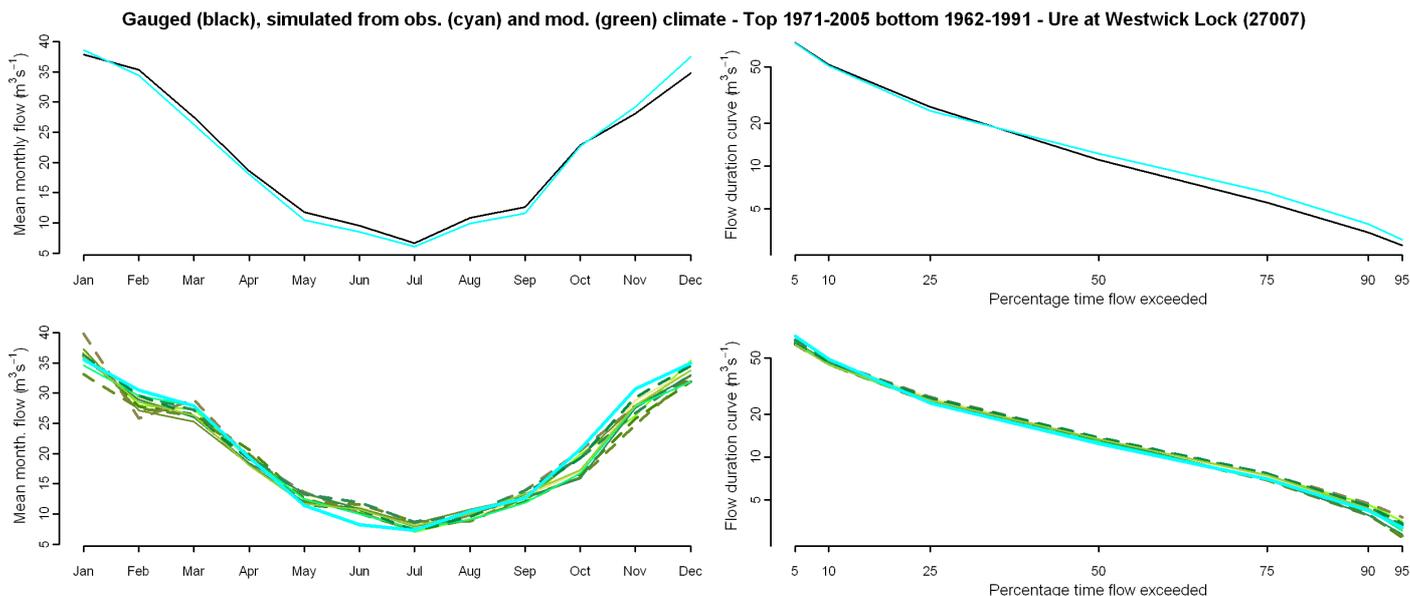
Gauged (black) and simulated (cyan) flows from observed climate - Ure at Westwick Lock (27007)



Gauged (black) and simulated (cyan) flows from observed climate - Ure at Westwick Lock (27007)



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	-1	-4	0	3	-2	-3	-5	1	-3	-1	-3
January	6	-2	5	10	5	-2	-2	4	-1	0	3
April	0	-2	3	5	-5	4	-4	7	1	0	-5
July	-2	11	10	5	14	20	7	19	0	-3	10
October	-2	-14	-16	5	-6	-20	-11	-4	-16	-6	-14
Q90	12	-4	2	13	-2	-8	-11	7	-1	1	3
Q75	7	0	4	10	-3	-3	-3	12	0	6	6
Q50	6	3	8	12	5	4	6	10	3	9	7
Q25	7	1	8	11	3	3	4	8	0	8	4
Q5	-12	-13	-10	-7	-10	-12	-13	-4	-10	-13	-14
RP2	-5	-7	-11	-6	3	1	-4	2	-1	-6	5
RP10	-7	-8	-14	-14	-9	0	-2	-5	9	-7	3

Climate change graphs for 2050s

