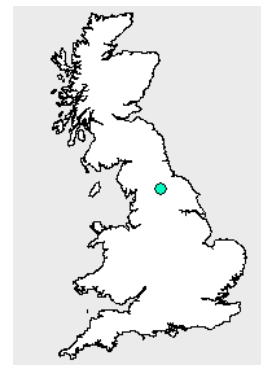


## General Information

River Name	Ure	Catchment Area (km2)	510
Station Name	Kilgram Bridge	SAAR (mm) 61-90	1335
Station Number	27034	Mean Annual Rain (mm) 62-91	1356
Grid Reference	SE190860	Mean Annual PE (mm) 62-91	514
EA Region	EA-NE	Observed flow record	1967 to 2005



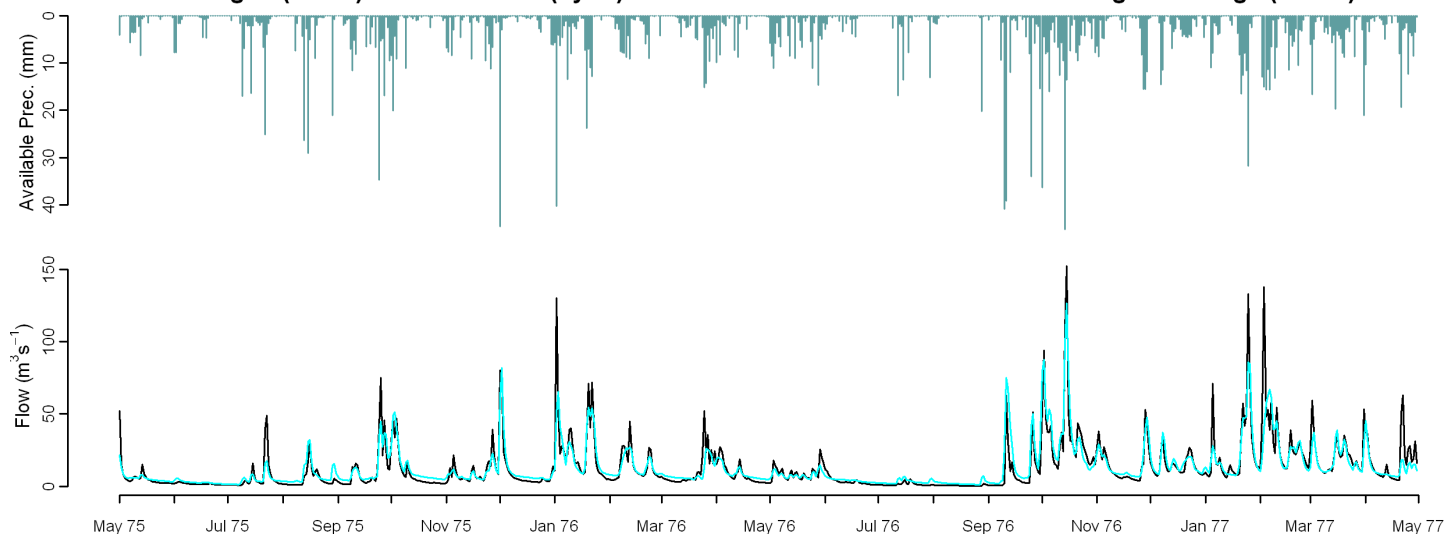
## Observed Data

## Comparison of gauged and simulated flow

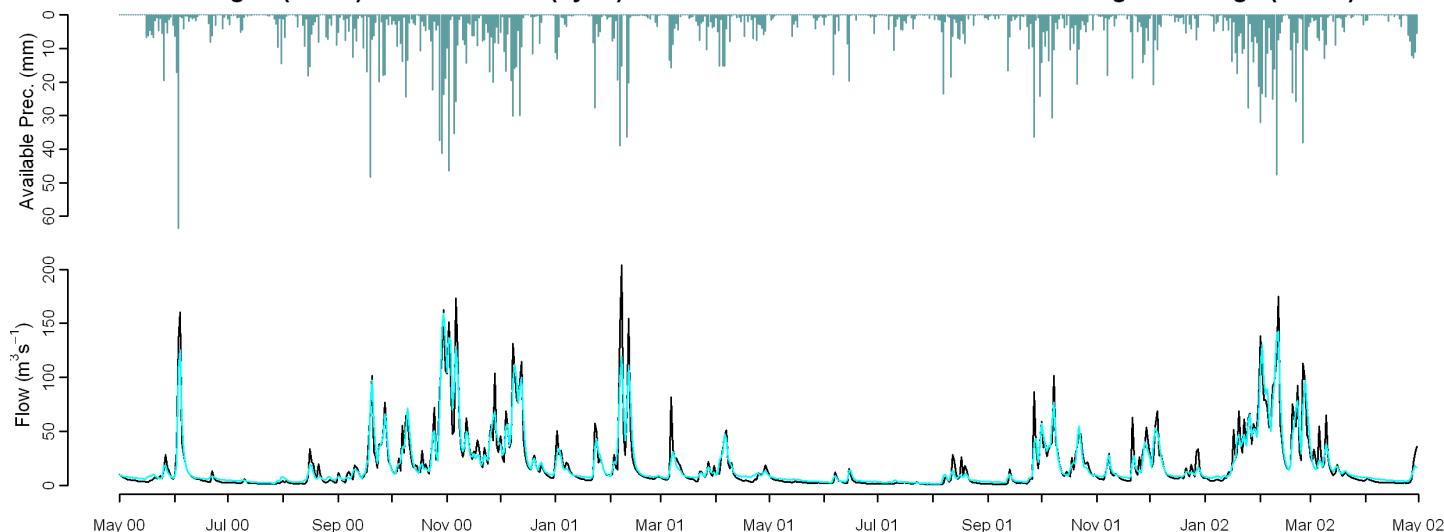
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	0.8	-1.0	1.3	-4.3	0.5	-0.4	4.7	10.6	4.2	2.7	1.7	1.4	2.0	0.80
Performance Band	1	1	1	1	1	1	1	2	1	1	1	1	1	1
MORECS (1962-1991)	2.4	0.0	1.8	-1.6	1.3	1.3	6.4	10.3	8.3	3.8	1.2	5.4	2.7	0.79
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	96.6	57.7	12.6	-4.4	-1.5									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	97.1	61.3	11.5	-1.5	-0.7									

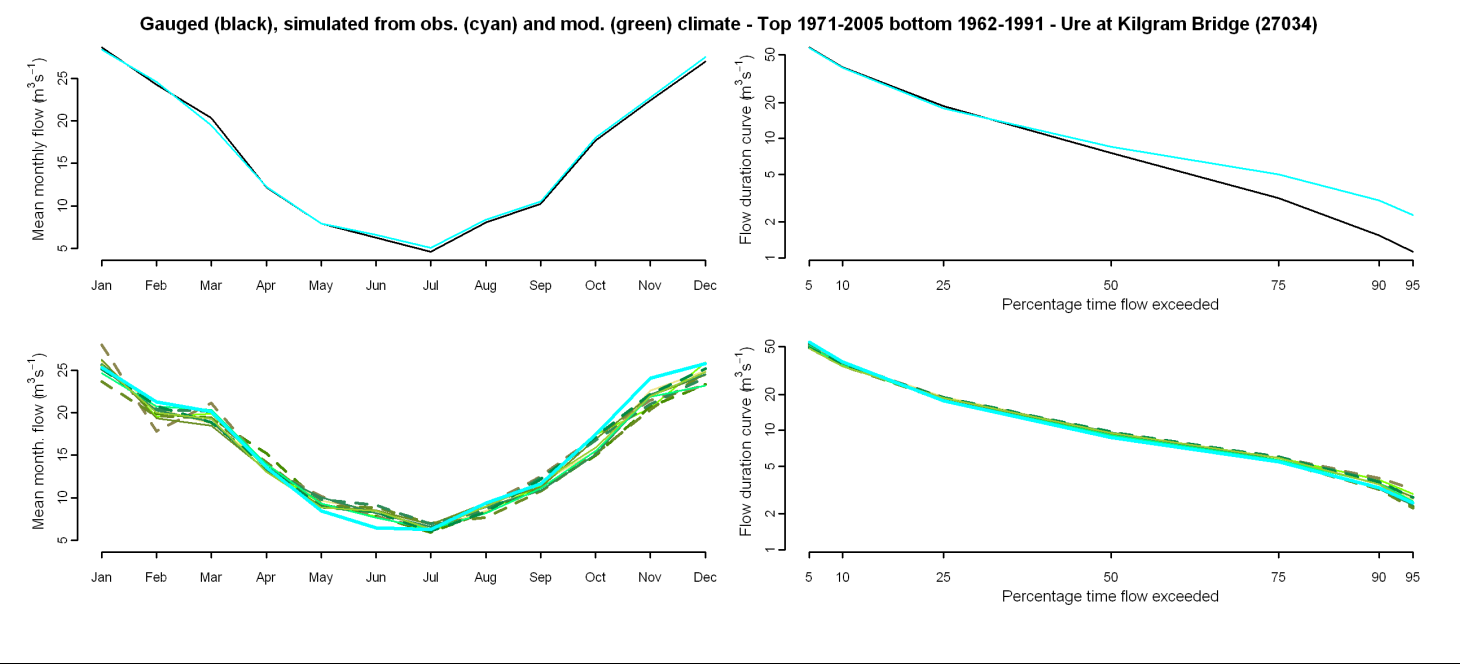
Gauged (black) and simulated (cyan) flows from observed climate - Ure at Kilgram Bridge (27034)



Gauged (black) and simulated (cyan) flows from observed climate - Ure at Kilgram Bridge (27034)



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	-3	0	3	-1	-2	-4	1	-2	-1	-2
January	4	-2	3	8	4	-2	-2	4	-2	-3	4
April	0	4	5	5	-2	5	-2	7	2	2	-3
July	-1	5	6	5	9	14	3	11	-2	-6	1
October	1	-8	-10	4	-2	-10	-1	-2	-7	-1	-7
Q90	19	-1	8	22	4	-4	-7	12	5	4	6
Q75	9	2	6	12	2	-1	1	11	2	7	8
Q50	9	6	10	12	7	5	10	10	5	11	9
Q25	6	2	7	8	3	4	4	7	1	7	5
Q5	-10	-10	-7	-6	-9	-10	-10	-3	-8	-11	-12
RP2	-7	-5	-11	-7	0	1	-8	0	-2	-9	2
RP10	-6	-6	-15	-13	-7	0	-8	-4	7	-9	-1

Climate change graphs for 2050s

