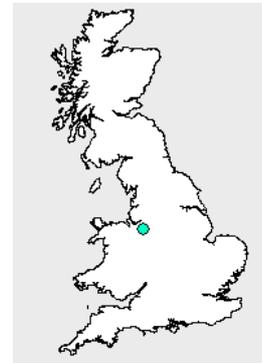


## General Information

River Name	Weaver	Catchment Area (km <sup>2</sup> )	622
Station Name	Ashbrook	SAAR (mm) 61-90	731
Station Number	68001	Mean Annual Rain (mm) 62-91	727
Grid Reference	SJ670633	Mean Annual PE (mm) 62-91	597
EA Region	EA-NW	Observed flow record	1962 to 2005



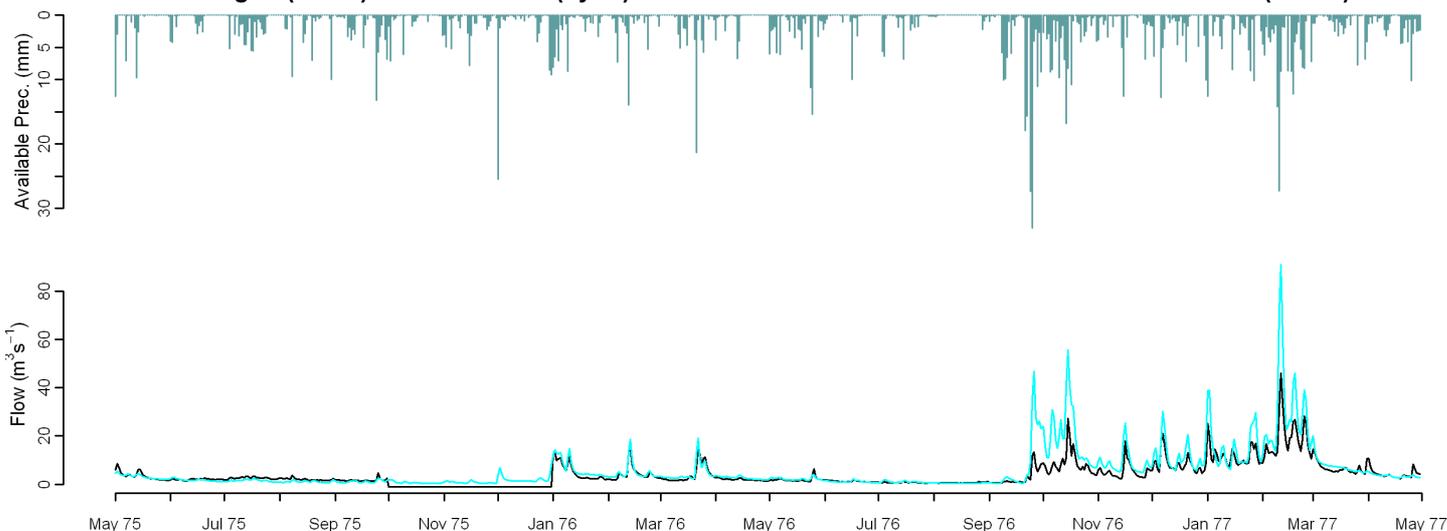
## Observed Data

## Comparison of gauged and simulated flow

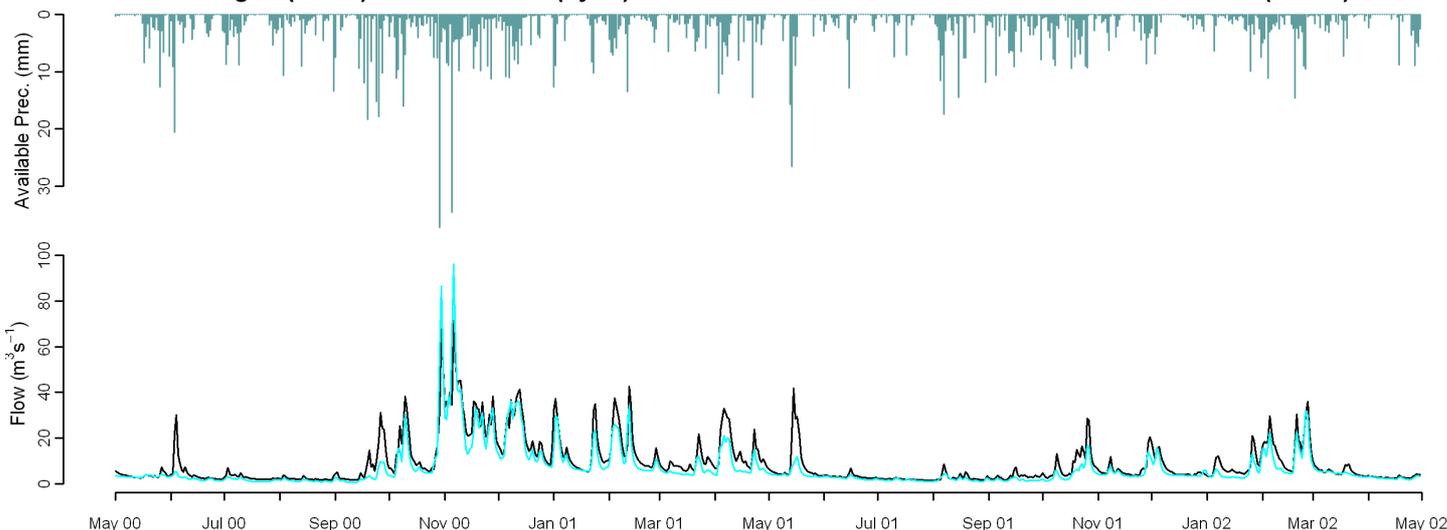
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-15.2	-3.1	-0.3	-18.6	-25.3	-26.2	-38.2	-37.9	-41.8	-33.4	-23.7	-10.1	-5.4	0.78
Performance Band	2	1	1	2	2	2	3	3	3	3	3	2	1	1
MORECS (1962-1991)	-12.8	2.2	8.2	-16.5	-21.6	-27.7	-31.5	-43.4	-47.8	-39.6	-24.9	-12.8	2.6	0.73
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-47.4	-31.7	-17.7	-21.6	-9.8									
Performance Band	1	1	2	1	1									
MORECS (1962-1991)	-48.3	-35.2	-19.9	-18.8	-0.4									

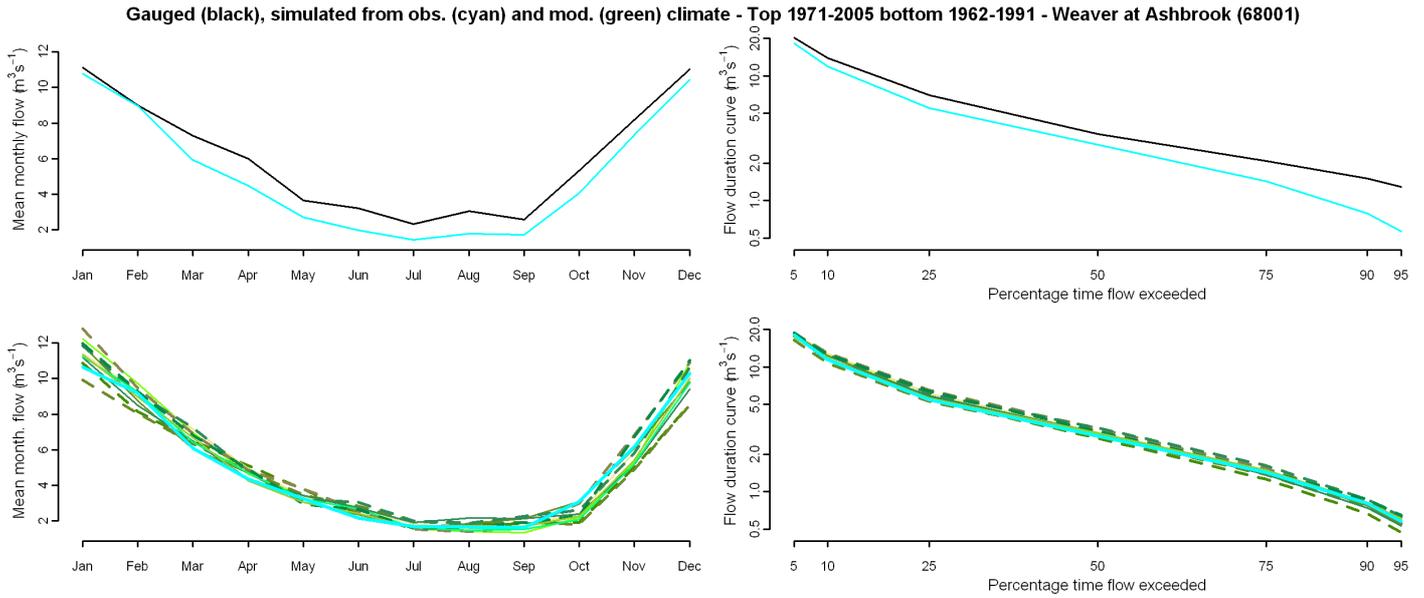
Gauged (black) and simulated (cyan) flows from observed climate - Weaver at Ashbrook (68001)



Gauged (black) and simulated (cyan) flows from observed climate - Weaver at Ashbrook (68001)



## 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	6	-3	6	10	3	-5	-2	7	-2	5	-2
January	18	-1	9	19	12	-4	3	13	7	9	7
April	9	11	19	19	5	11	1	12	8	12	1
July	-4	11	14	-3	-7	22	15	21	0	-6	-3
October	-24	-35	-22	1	-6	-39	-17	-12	-36	-25	-29
Q90	3	-17	3	6	-7	-8	-7	8	2	4	2
Q75	3	-10	2	7	-3	-4	-3	14	1	1	2
Q50	6	-3	6	15	3	-1	7	16	-2	7	4
Q25	13	0	13	21	6	-2	8	15	0	16	2
Q5	3	-3	5	5	0	-7	-6	6	0	-1	-7
RP2	-4	-2	-11	13	2	1	2	-1	-11	3	-10
RP10	-6	4	-7	25	4	1	-3	-5	6	1	7

## Climate change graphs for 2050s

