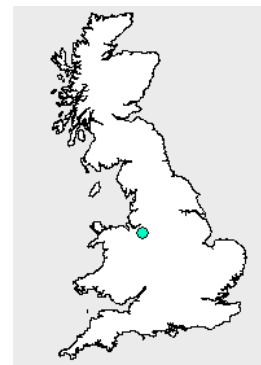


## General Information

River Name	Weaver	Catchment Area (km2)	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



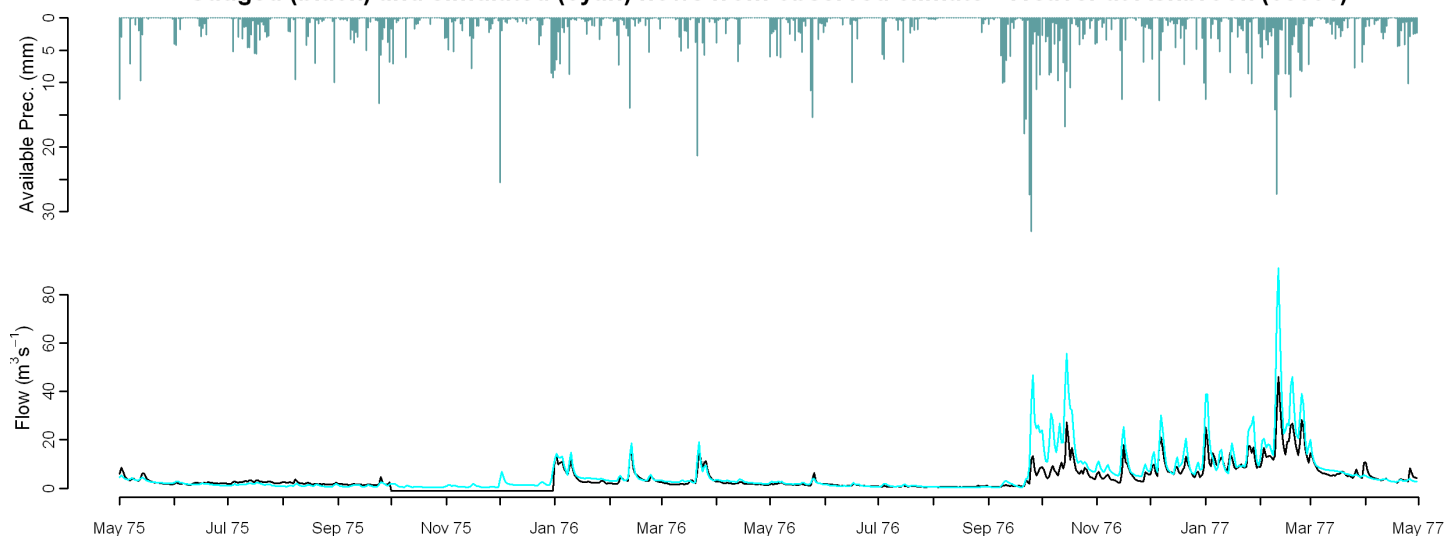
## Observed Data

## Comparison of gauged and simulated flow

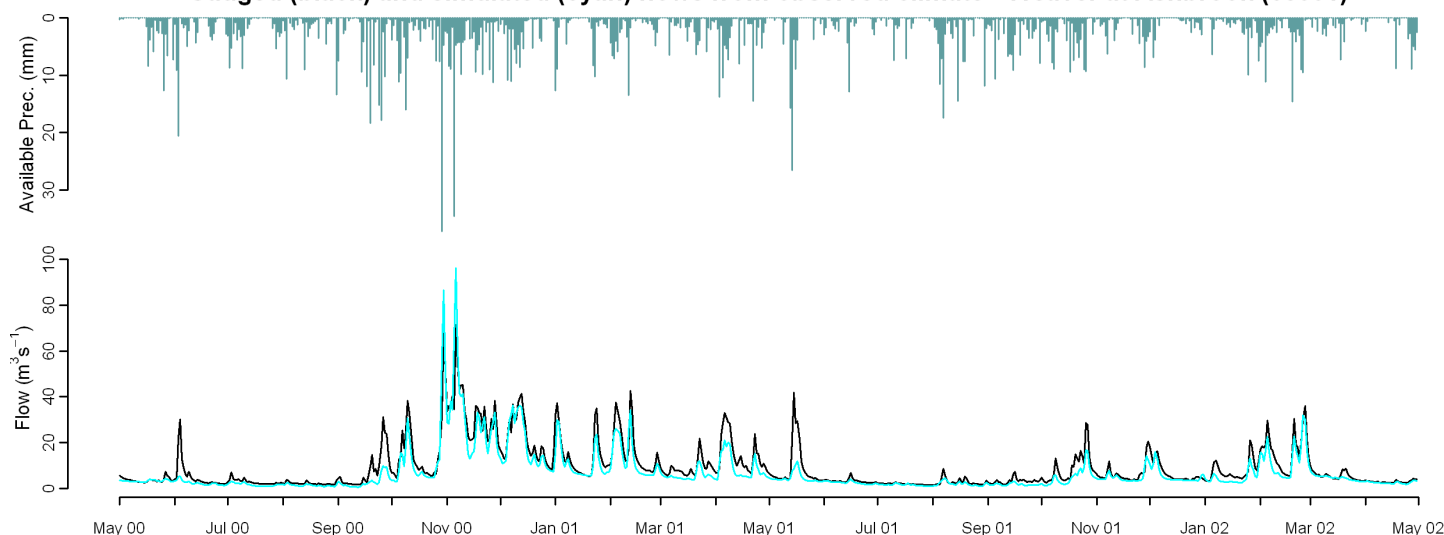
## Model used: CERF

	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									

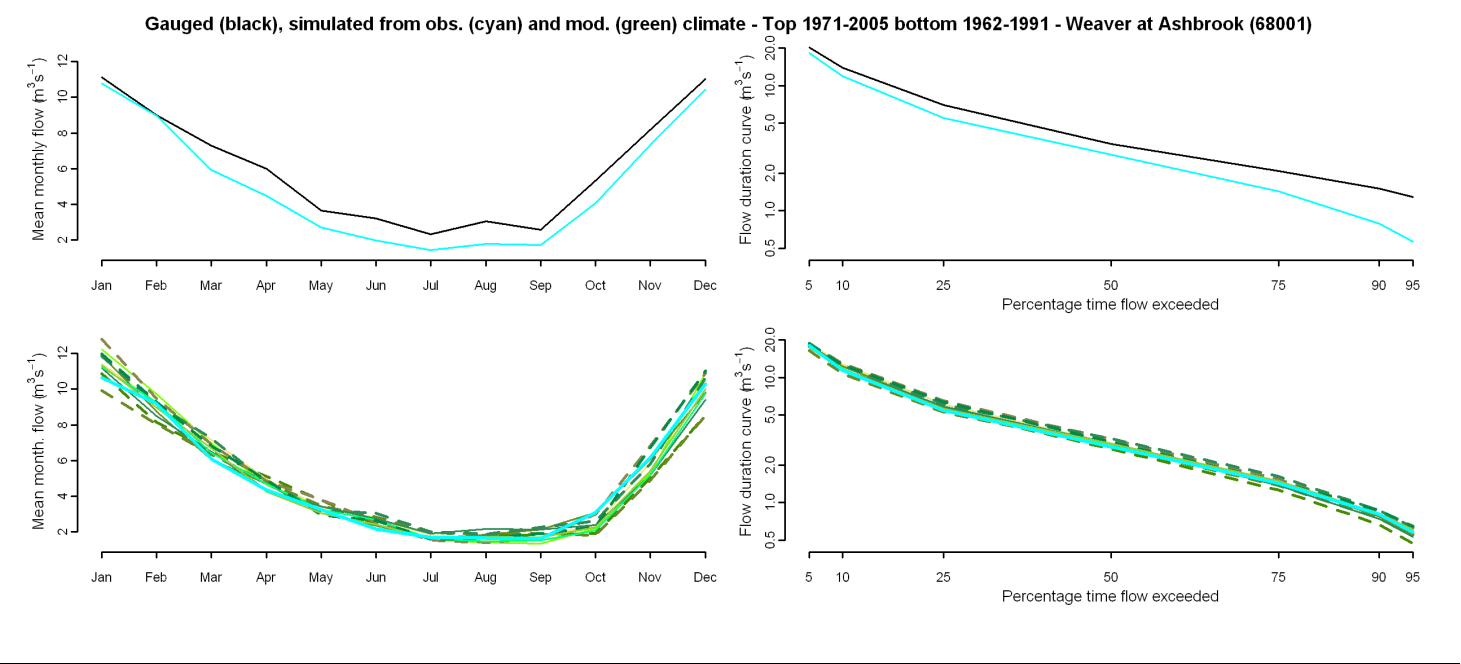
Gauged (black) and simulated (cyan) flows from observed climate - Weaver at Ashbrook (68001)



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

