

General Information

River Name	Weaver	Catchment Area (km ²)	207
Station Name	Audlem	SAAR (mm) 61-90	719
Station Number	68005	Mean Annual Rain (mm) 62-91	718
Grid Reference	SJ653431	Mean Annual PE (mm) 62-91	588
EA Region	EA-NW	Observed flow record	1962 to 2005



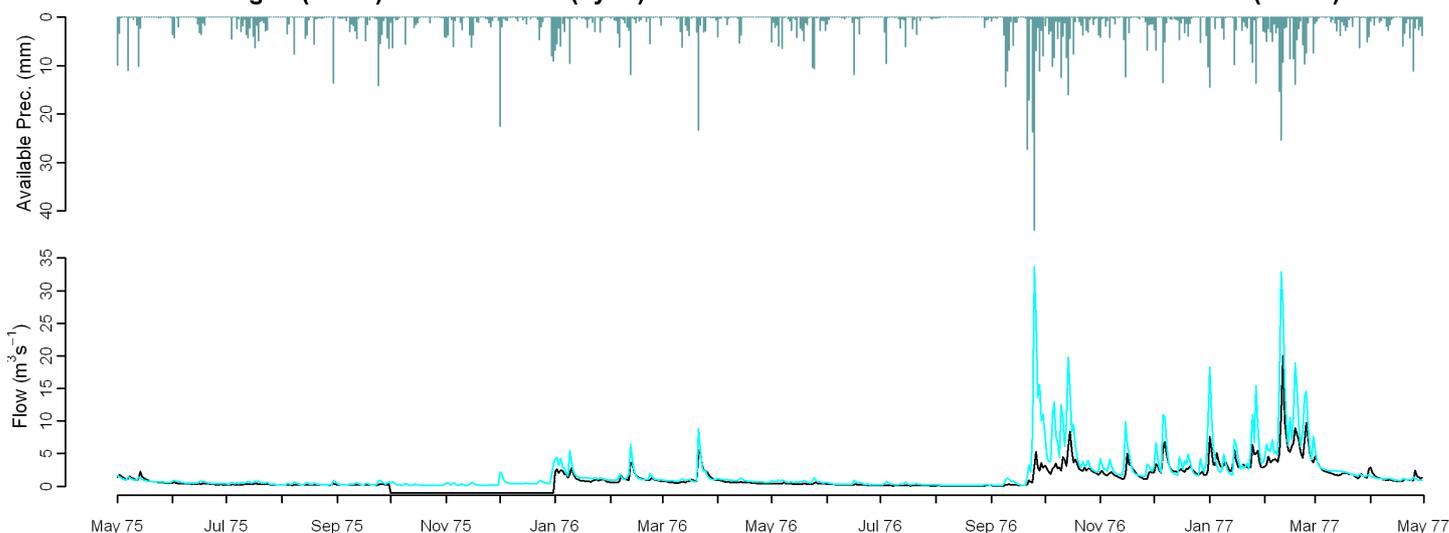
Observed Data

Comparison of gauged and simulated flow

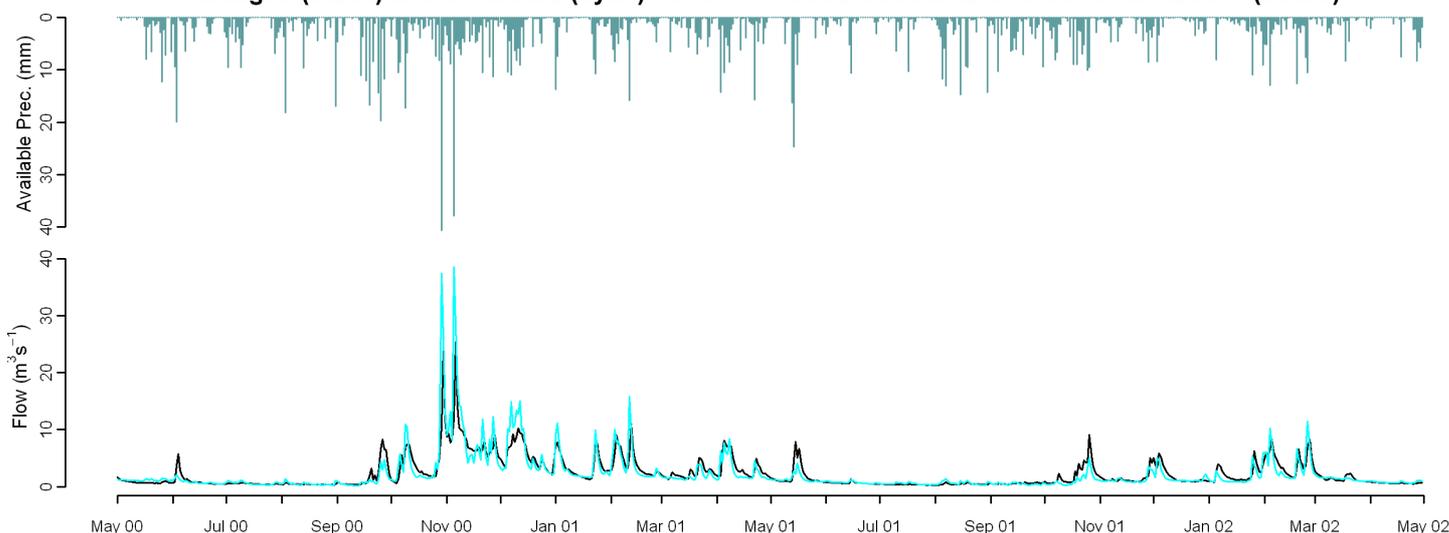
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	10.4	16.5	18.5	-1.8	-9.3	1.9	-4.1	20.7	3.8	27.0	2.1	10.5	17.8	0.38
Performance Band	1	2	2	1	1	1	1	1	1	2	1	1	2	2
MORECS (1962-1991)	17.5	25.2	30.9	5.6	-2.2	-4.0	1.9	-0.1	-3.1	19.1	5.6	15.8	31.2	0.32
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	-0.5	16.8	14.5	-15.6	12.5									
Performance Band	1	1	1	1	2									
MORECS (1962-1991)	-9.5	8.7	13.6	-7.2	27.6									

Gauged (black) and simulated (cyan) flows from observed climate - Weaver at Audlem (68005)

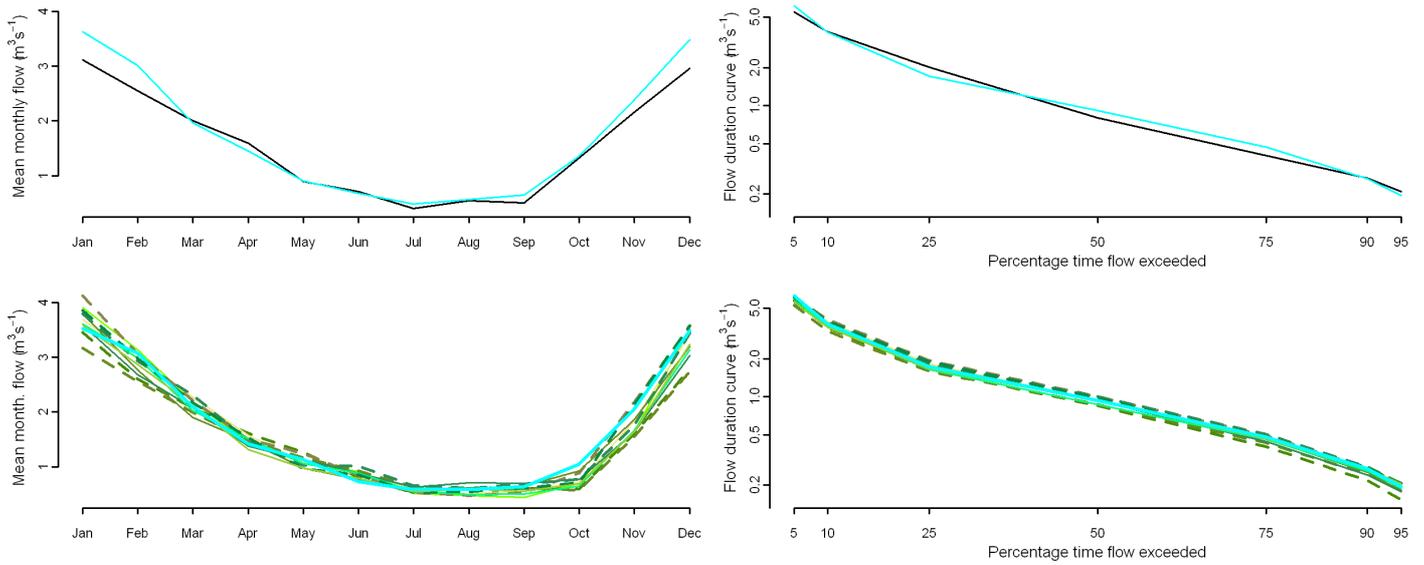


Gauged (black) and simulated (cyan) flows from observed climate - Weaver at Audlem (68005)



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 - Weaver at Audlem (68005)



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	-8	0	4	-4	-10	-7	1	-7	-1	-8
January	14	-5	7	16	8	-7	-1	9	4	7	2
April	4	7	16	11	0	6	-3	7	6	7	-4
July	-8	5	6	-7	-12	12	8	14	-2	-10	-8
October	-29	-41	-31	-13	-17	-43	-22	-24	-41	-32	-37
Q90	0	-19	-2	2	-10	-9	-10	5	-2	-1	-3
Q75	-1	-15	-3	3	-6	-9	-7	7	-3	-4	-5
Q50	0	-9	-1	8	-3	-7	2	8	-7	2	-2
Q25	5	-5	7	13	-1	-6	1	7	-4	9	-5
Q5	-3	-9	-2	-1	-7	-15	-12	2	-6	-5	-14
RP2	-9	-7	-16	6	0	-4	-2	-7	-15	-2	-15
RP10	-10	-6	-15	16	-6	-10	-12	-10	-4	-9	-4

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Weaver at Audlem (68005)

