

General Information

River Name	Weaver	Catchment Area (km2)	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	1961 to 2005



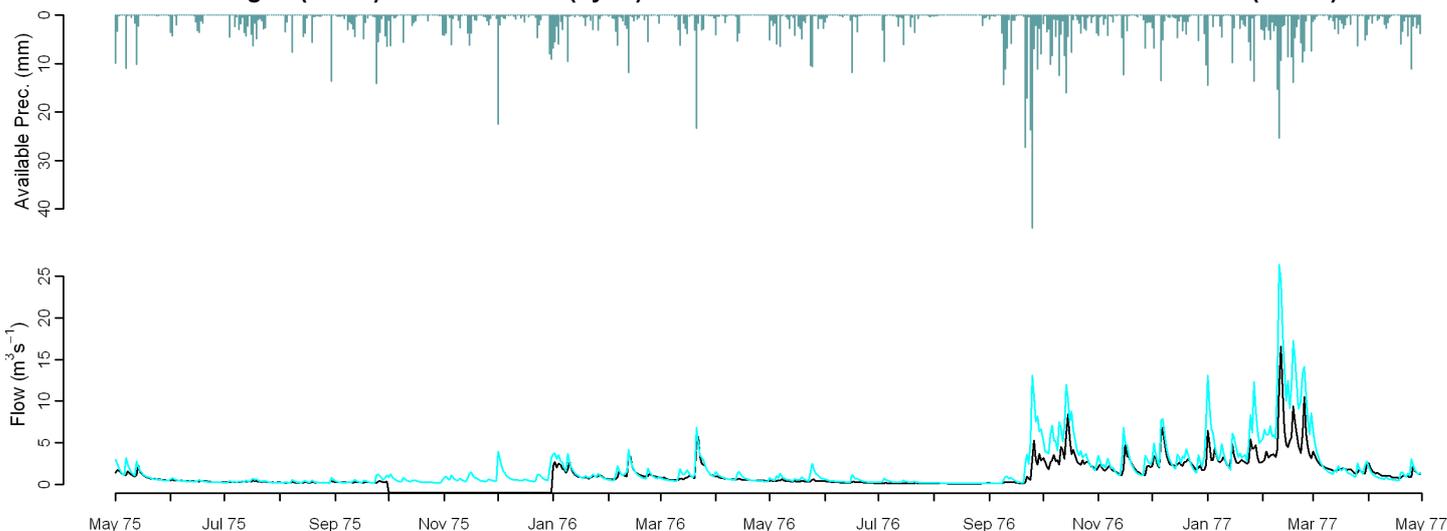
Observed Data

Comparison of gauged and simulated flow

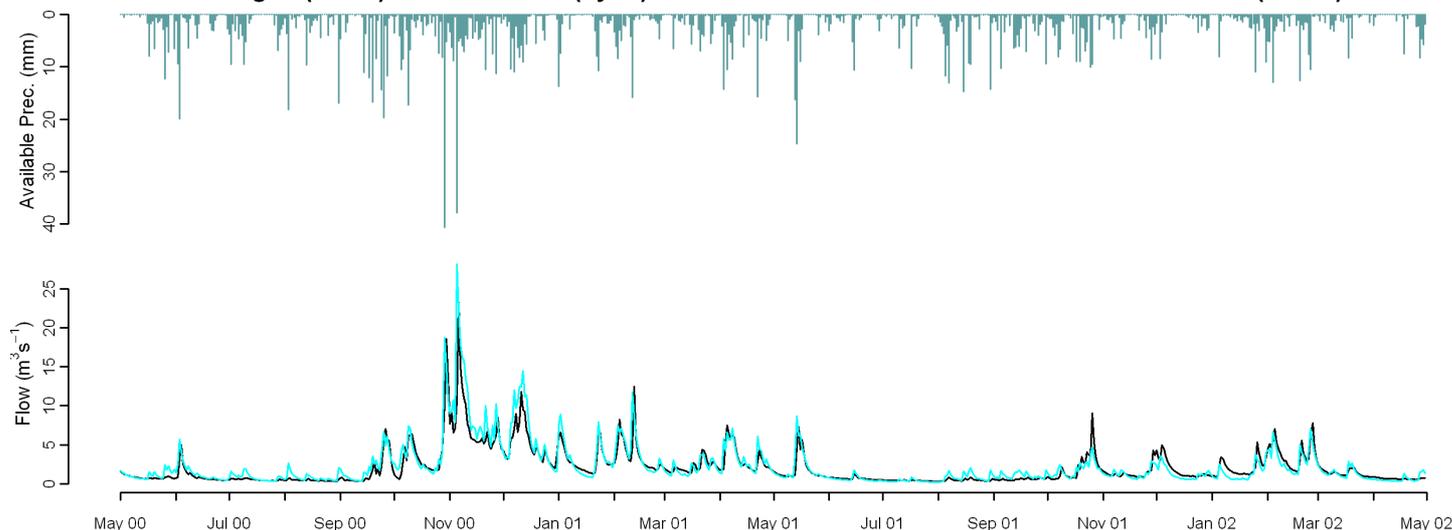
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	19.0	11.1	21.2	8.3	5.8	23.8	38.2	57.7	59.3	79.1	29.1	16.3	5.3	0.63
Performance Band	2	2	2	1	1	2	3	3	3	3	2	2	1	2
FAO (1962-1991)	31.2	25.2	34.7	20.3	19.0	26.2	45.0	32.0	49.1	73.7	45.8	31.7	23.8	0.52
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	17.4	27.4	26.5	11.7	14.2	-0.8	7.8	16.6	27.0					
Performance Band	1	1	2	1	1									
FAO (1962-1991)	10.5	24.3	35.3	27.4	31.0	-6.6	4.0	14.3	25.6					

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

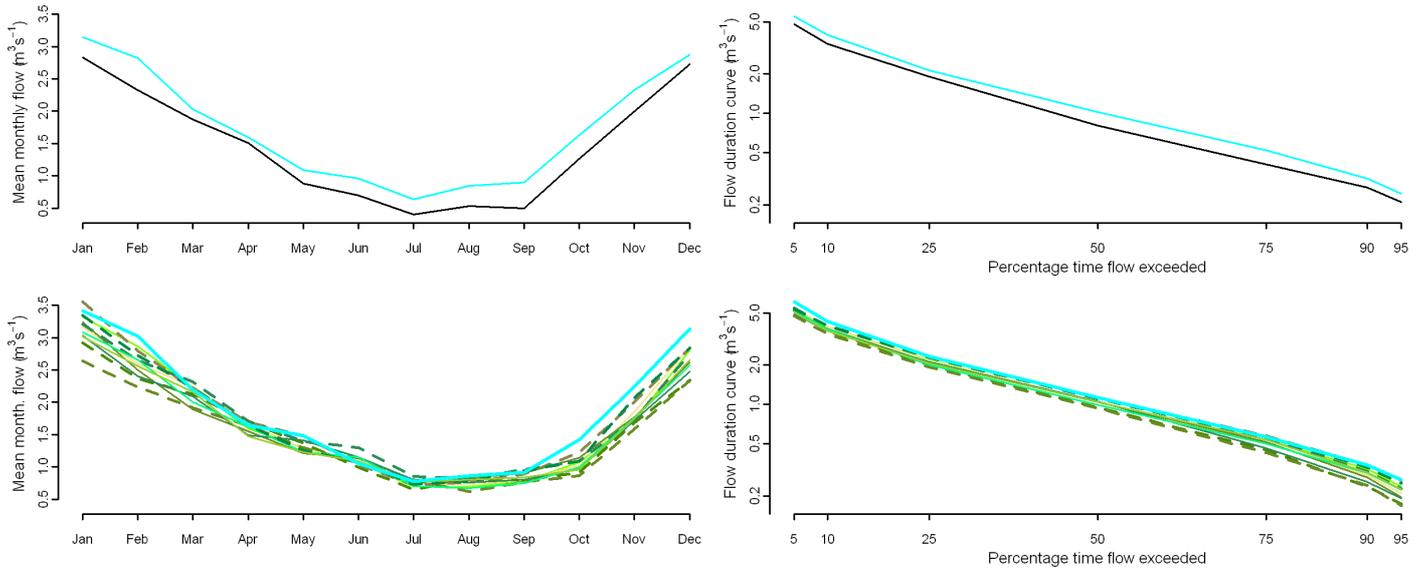


Gauged (black) and simulated (cyan) flows from observed climate - Weaver at Audlem (68005)



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	-8	-15	-9	-3	-12	-20	-14	-5	-13	-7	-14
January	-1	-14	-3	9	0	-18	-11	0	-5	-2	-8
April	-3	-7	5	3	-11	-4	-11	0	-4	-1	-9
July	-9	-4	-2	-2	-2	-1	4	6	-9	-9	-6
October	-23	-36	-29	-12	-22	-38	-30	-23	-33	-25	-14
Q90	-5	-32	-16	2	-22	-31	-26	-12	-12	-7	-12
Q75	-3	-20	-10	4	-11	-25	-18	-3	-11	-2	-6
Q50	-7	-16	-7	0	-10	-18	-7	0	-12	-3	-8
Q25	-4	-13	-4	1	-10	-18	-9	0	-13	-2	-11
Q5	-13	-14	-10	-10	-15	-22	-19	-9	-13	-13	-17
RP2	-15	-15	-15	5	-14	-18	-11	-11	-13	-9	-15
RP10	-12	-15	-17	8	-19	-21	-23	-24	-10	-21	-15

Climate change graphs for 2050s

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

