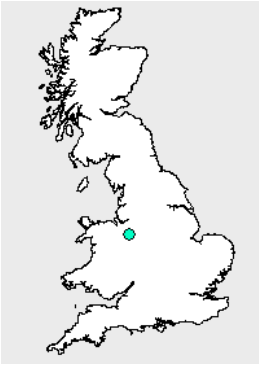


General Information

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	1962 to 2005



Observed Data

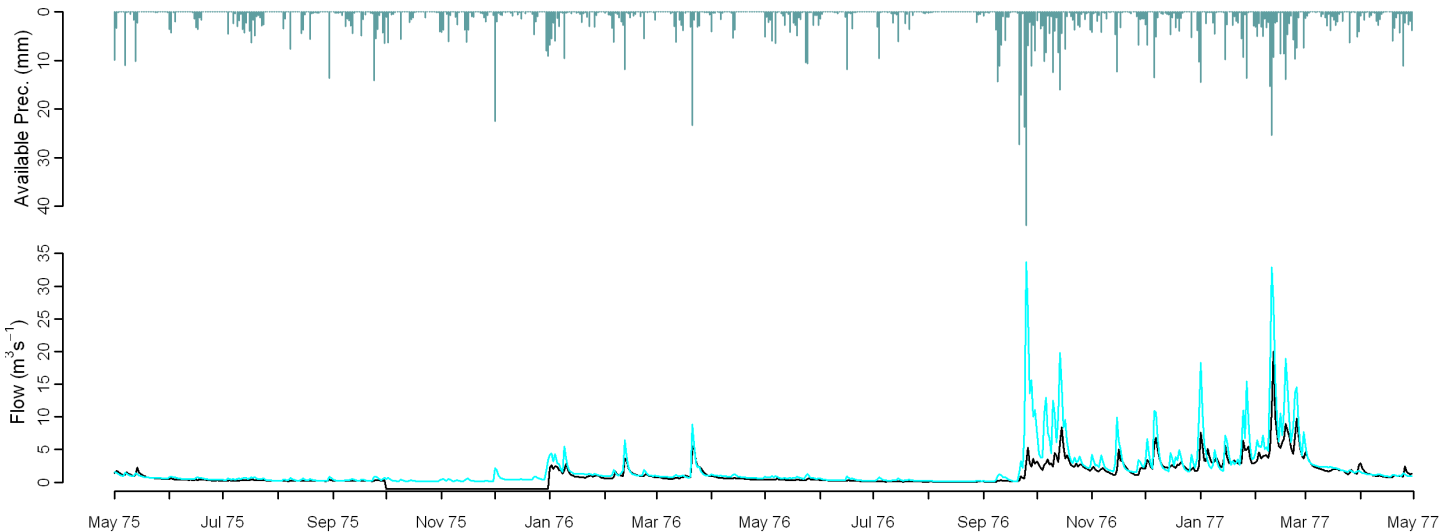
Comparison of gauged and simulated flow

Model used: CERF

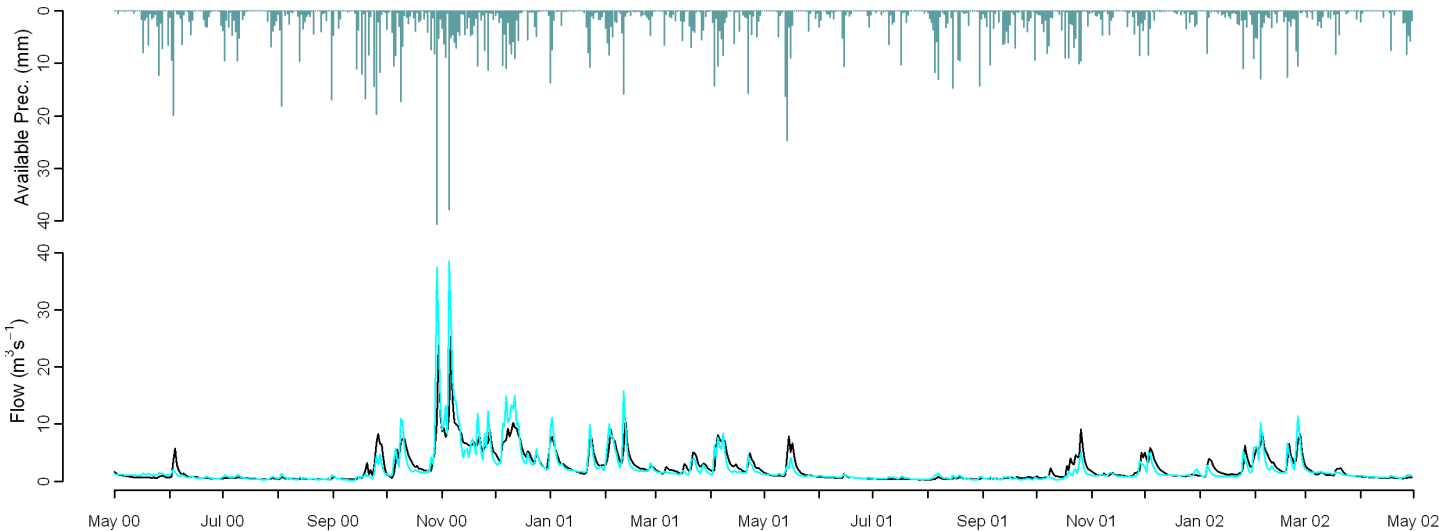
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	10.4	16.5	18.5	-1.8	-9.3	1.9	-4.1	20.7	3.8	27.0	2.1	10.5	17.8	0.38
Performance Band	1	2	2	1	1	1	1	1	1	2	1	1	2	2
MORECS (1962-1991)	17.5	25.2	30.9	5.6	-2.2	-4.0	1.9	-0.1	-3.1	19.1	5.6	15.8	31.2	0.32

	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				

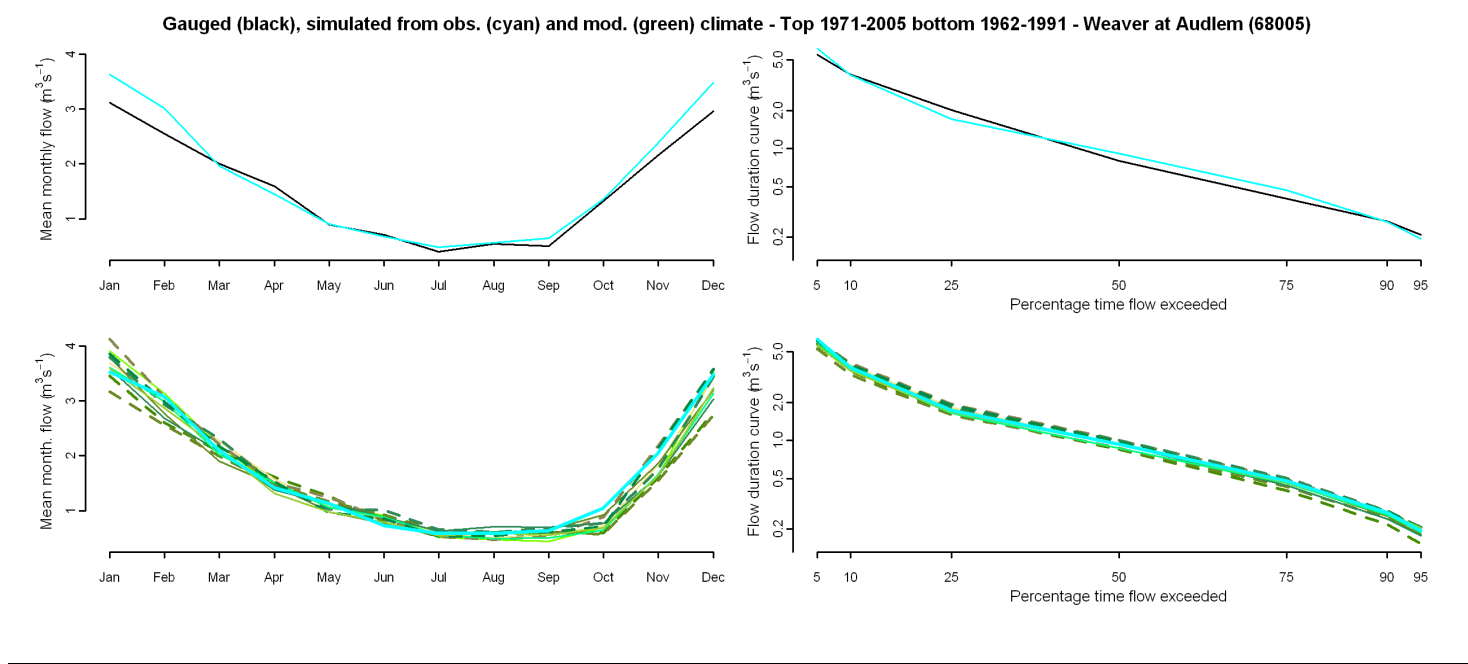
Gauged (black) and simulated (cyan) flows from observed climate - Weaver at Audlem (68005)



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



Comparison of gauged and simulated flow (observed and modelled climate)



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

