

General Information

River Name	Piddle	Catchment Area (km2)	183
Station Name	Baggs Mill	SAAR (mm) 61-90	944
Station Number	44002	Mean Annual Rain (mm) 62-91	945
Grid Reference	SY913876	Mean Annual PE (mm) 62-91	579
EA Region	EA-SW	Observed flow record	1963 to 2005



Observed Data

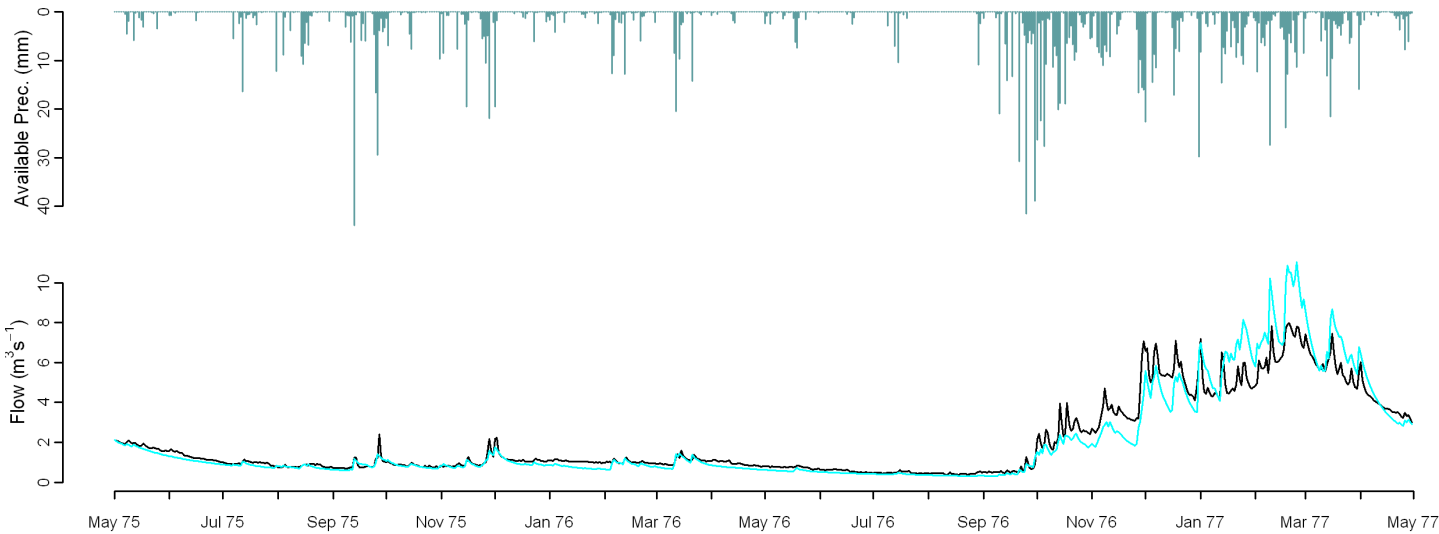
Comparison of gauged and simulated flow

Model used: PDM

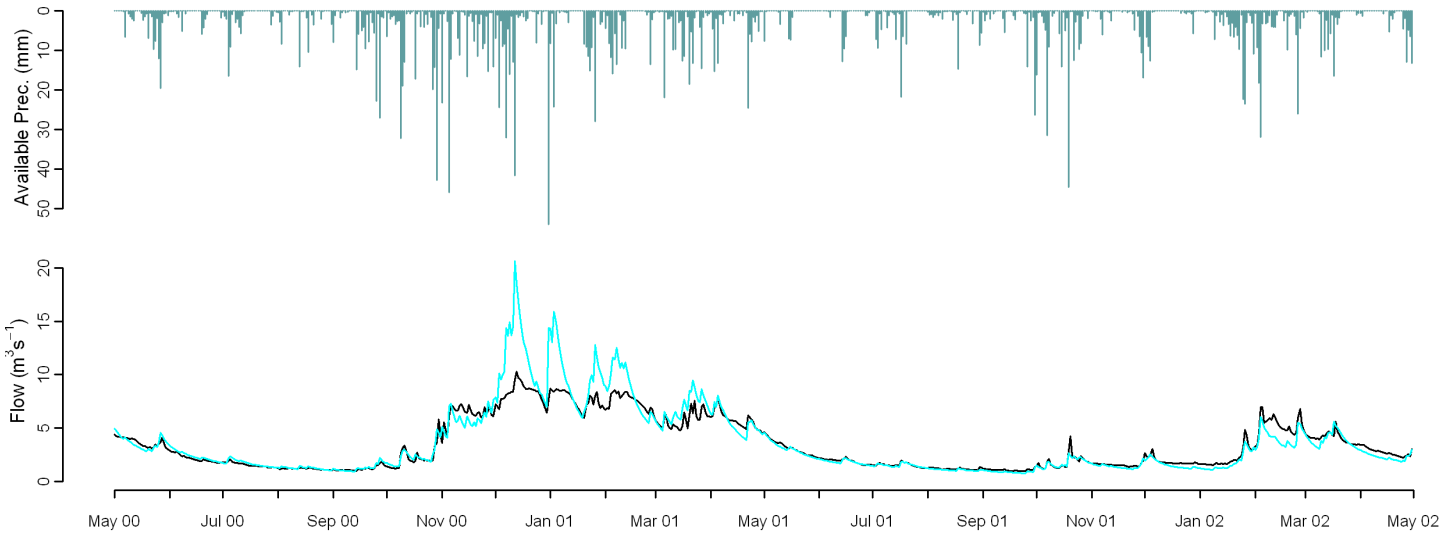
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-0.5	-0.5	-1.5	0.9	-1.1	-2.4	4.3	5.7	11.2	8.5	2.0	-5.1	-6.5	0.85
Performance Band	1	1	1	1	1	1	1	1	2	1	1	1	1	1
FAO (1962-1991)	5.0	6.1	5.9	7.6	1.8	3.5	9.2	8.9	12.8	11.1	5.3	-1.4	-1.2	0.86

	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20
MORECS (1971-2005)	-2.8	4.0	-3.5	-5.4	2.3	14.6	36.3	53.7	71.6
Performance Band	1	1	1	1	1				
FAO (1962-1991)	-2.7	7.6	1.5	0.4	12.3	14.5	22.1	27.7	33.0

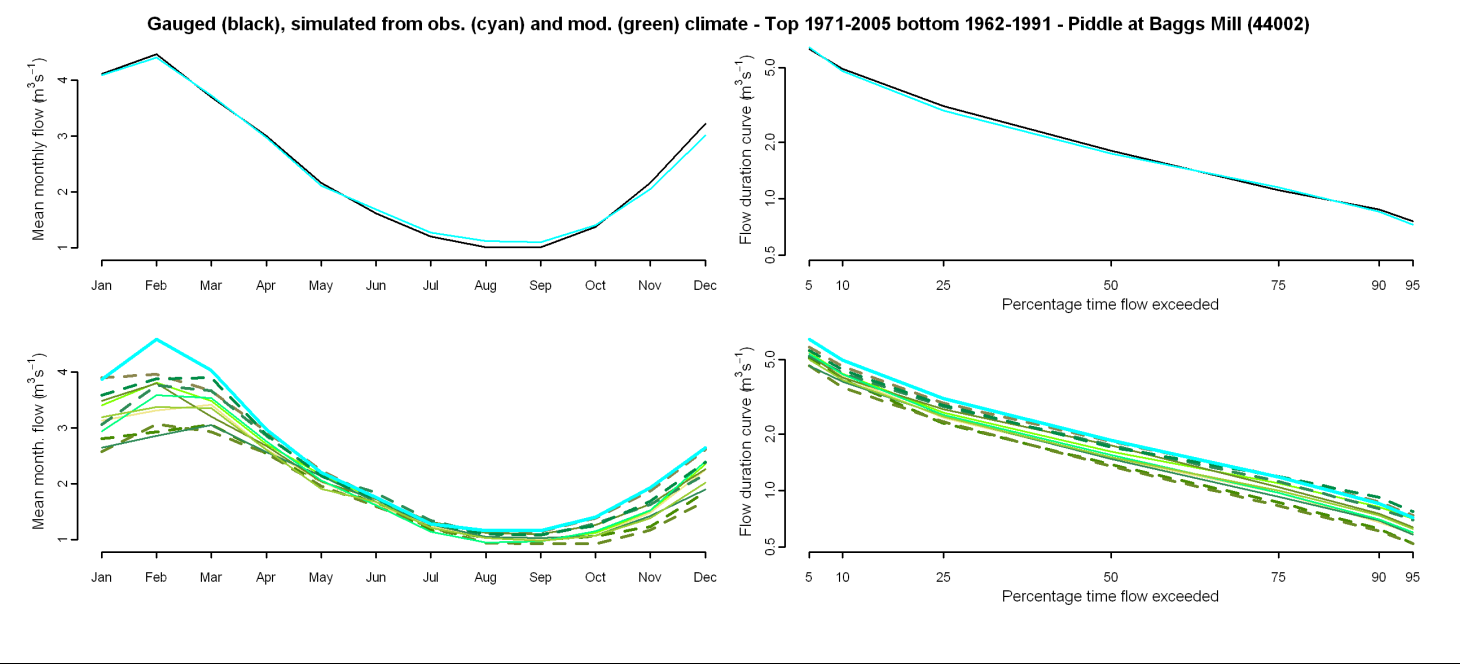
Gauged (black) and simulated (cyan) flows from observed climate - Piddle at Baggs Mill (44002)



Gauged (black) and simulated (cyan) flows from observed climate - Piddle at Baggs Mill (44002)



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	-11	-22	-15	-2	-14	-27	-21	-10	-15	-7	-18
January	-8	-25	-15	6	-7	-30	-28	-16	-20	-2	-14
April	-11	-19	-10	1	-11	-17	-14	-4	-8	-3	-13
July	-4	-9	-2	0	-1	-8	-2	2	-10	-1	-9
October	-18	-25	-24	0	-18	-35	-24	-12	-19	-13	-18
Q90	-4	-27	-20	4	-14	-31	-19	-8	-18	4	-15
Q75	-7	-27	-18	2	-14	-32	-21	-7	-18	-1	-16
Q50	-13	-26	-19	0	-10	-28	-21	-6	-17	-8	-19
Q25	-17	-26	-20	-4	-15	-26	-19	-9	-18	-8	-21
Q5	-13	-20	-14	-6	-20	-29	-26	-17	-15	-10	-22
RP2	-16	-19	-19	-4	-21	-35	-29	-18	-16	-11	-27
RP10	5	3	6	4	2	-14	-19	-12	5	2	-6

Climate change graphs for 2050s

