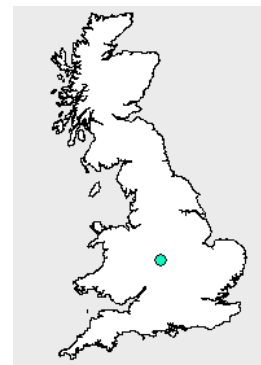


General Information

River Name	Cole	Catchment Area (km2)	130
Station Name	Coleshill	SAAR (mm) 61-90	724
Station Number	28066	Mean Annual Rain (mm) 62-91	727
Grid Reference	SP183874	Mean Annual PE (mm) 62-91	609
EA Region	EA-M	Observed flow record	1973 to 2005



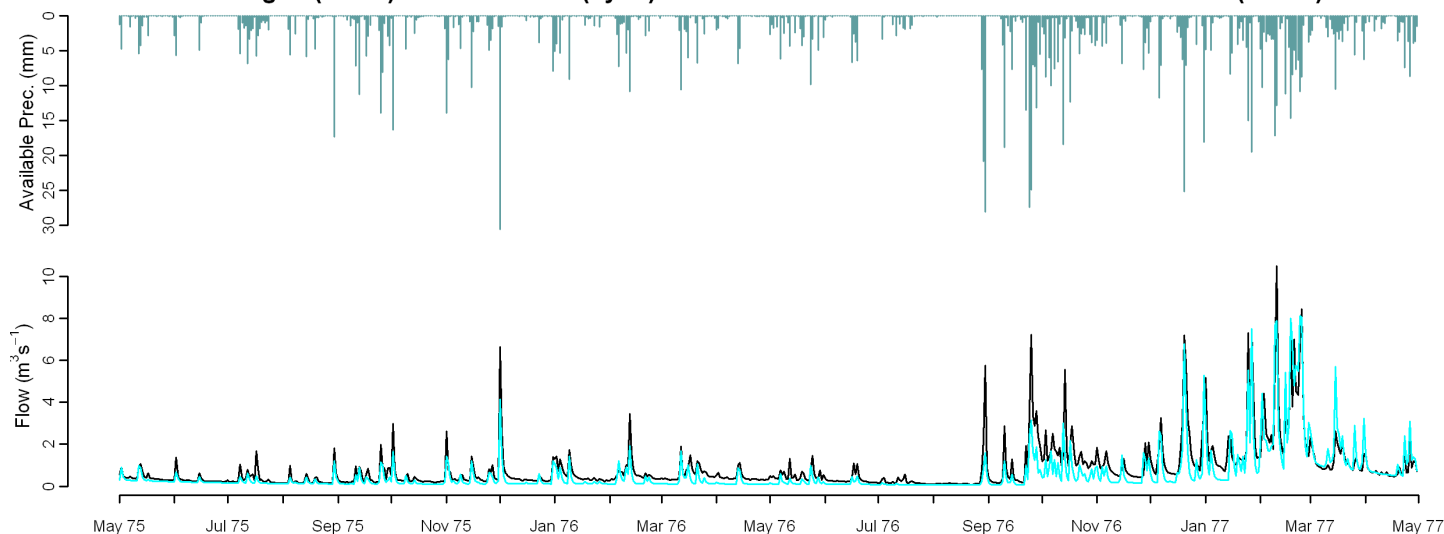
Observed Data

Comparison of gauged and simulated flow

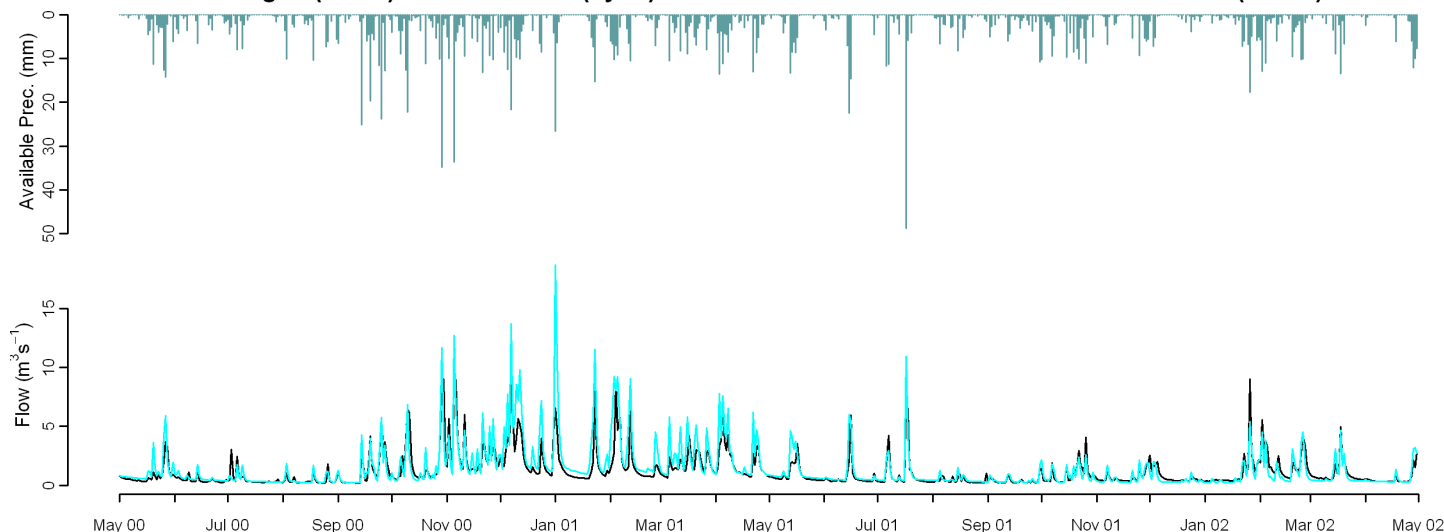
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-13.5	-16.7	-7.7	-7.9	-3.6	-7.9	-9.7	-9.2	-10.0	-14.5	-18.7	-23.1	-23.7	0.63
Performance Band	2	2	1	1	1	1	1	1	1	2	2	2	2	2
FAO (1962-1991)	-15.7	-20.2	-10.2	-7.4	-6.9	-7.0	-7.9	-13.2	-11.2	-18.9	-20.7	-26.0	-30.4	0.67
	Q90	Q75	Q50	Q25	Q5	RP2			RP5	RP10	RP20			
MORECS (1971-2005)	-25.0	-26.4	-30.3	-19.2	-0.6	-4.5			0.9	5.6	10.7			
Performance Band	1	1	3	2	1									
FAO (1962-1991)	-27.0	-25.6	-32.8	-22.5	-6.1	-8.8			-6.7	-5.0	-3.4			

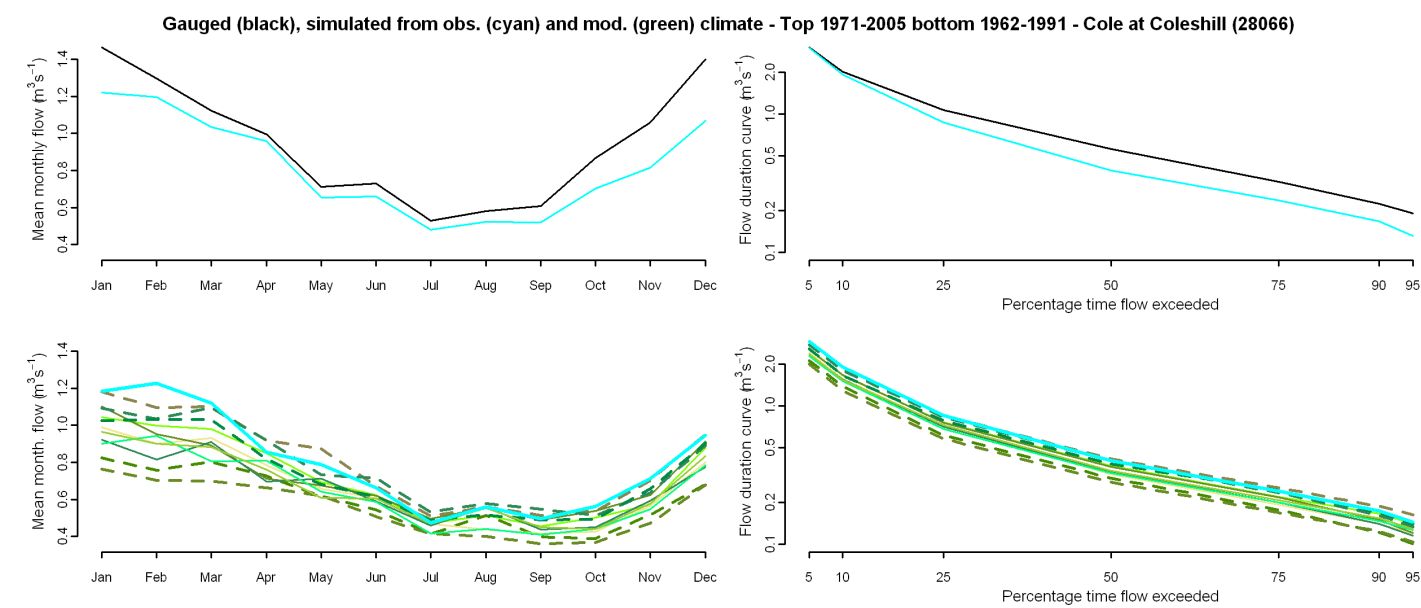
Gauged (black) and simulated (cyan) flows from observed climate - Cole at Coleshill (28066)



Gauged (black) and simulated (cyan) flows from observed climate - Cole at Coleshill (28066)



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

Climate change graphs for 2050s

