

## General Information

River Name	Cole	Catchment Area (km <sup>2</sup> )	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



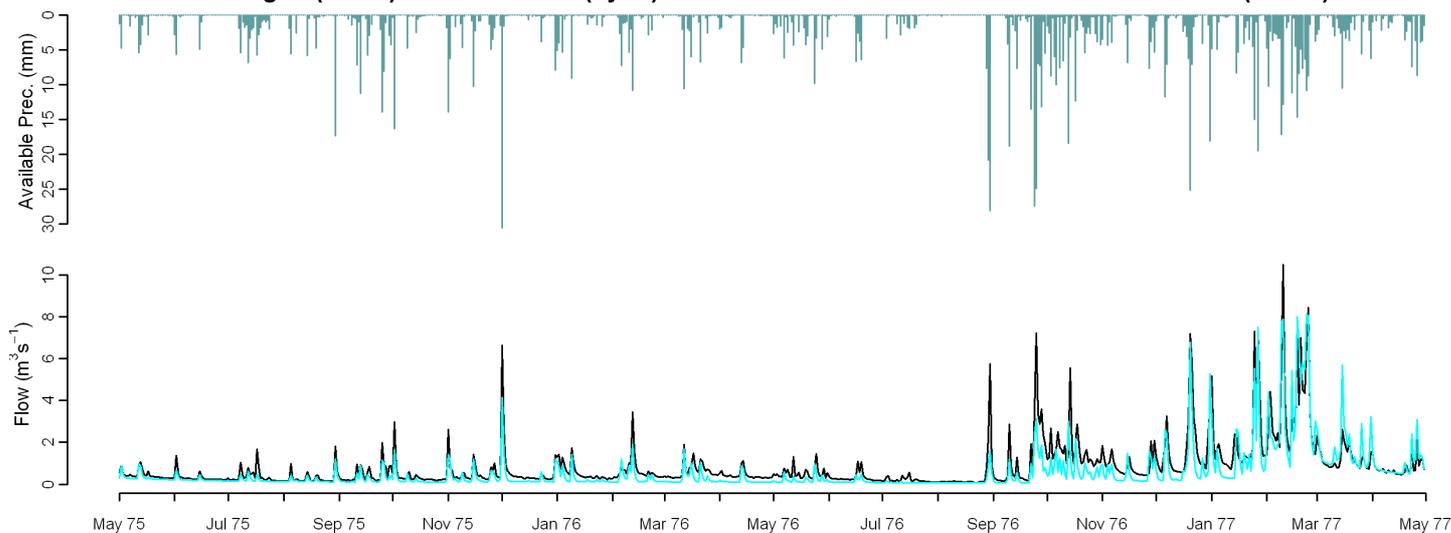
## Observed Data

## Comparison of gauged and simulated flow

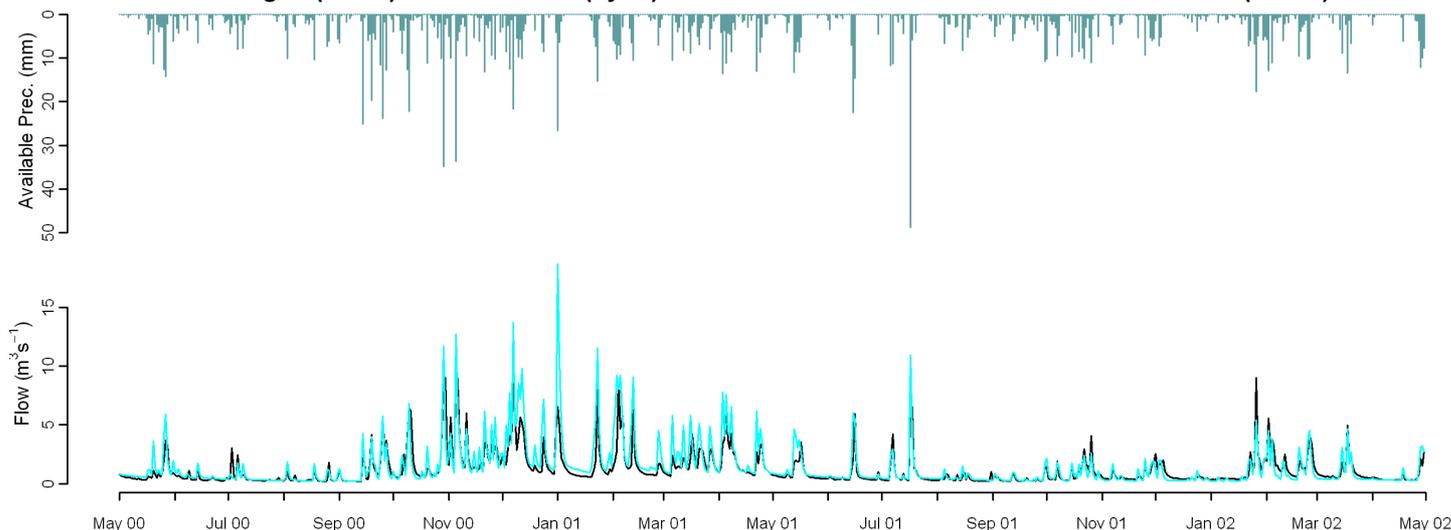
## Model used: PDM

	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					

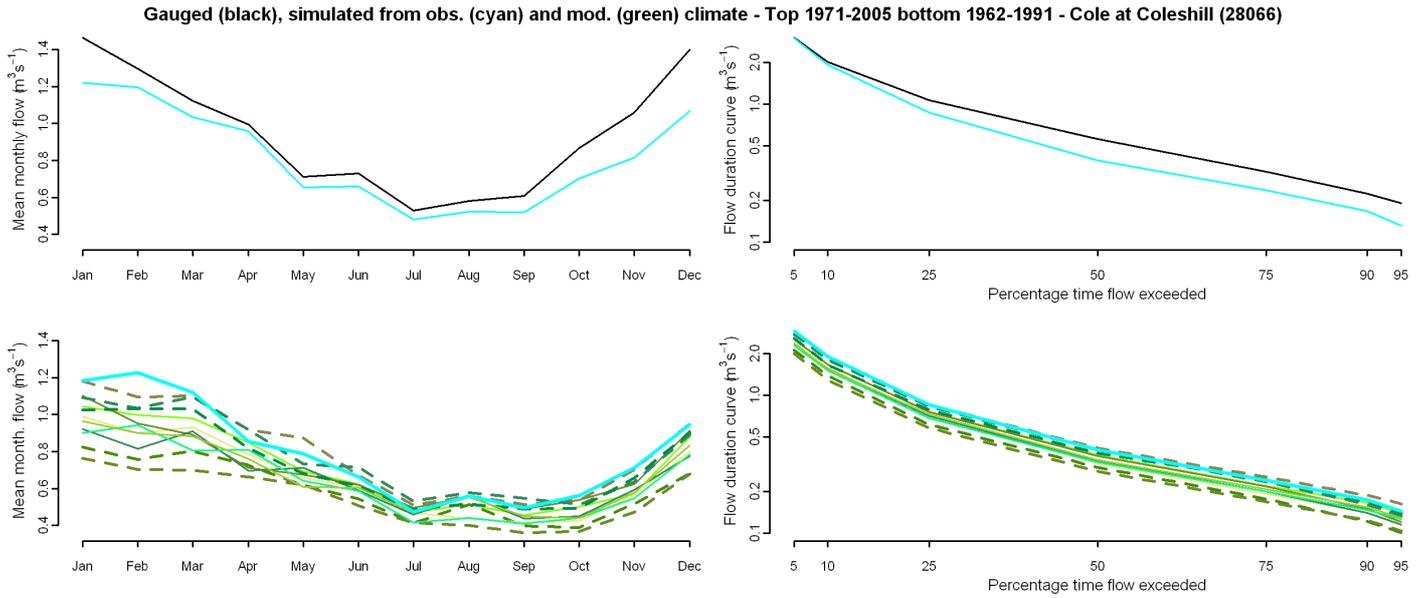
Gauged (black) and simulated (cyan) flows from observed climate - Cole at Coleshill (28066)



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

## Climate change graphs for 2050s

