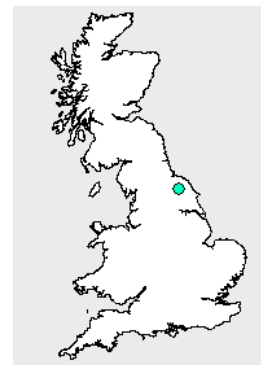


General Information

River Name	Dove	Catchment Area (km2)	59
Station Name	Kirkby Mills	SAAR (mm) 61-90	899
Station Number	27042	Mean Annual Rain (mm) 62-91	902
Grid Reference	SE705855	Mean Annual PE (mm) 62-91	512
EA Region	EA-NE	Observed flow record	1972 to 2005



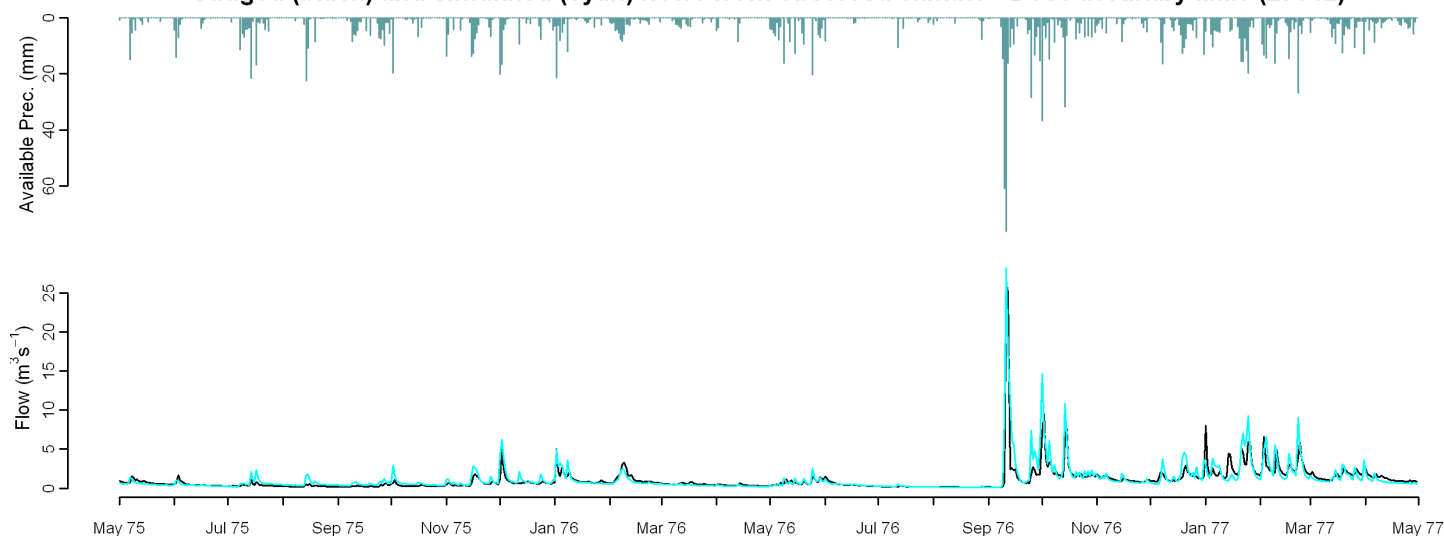
Observed Data

Comparison of gauged and simulated flow

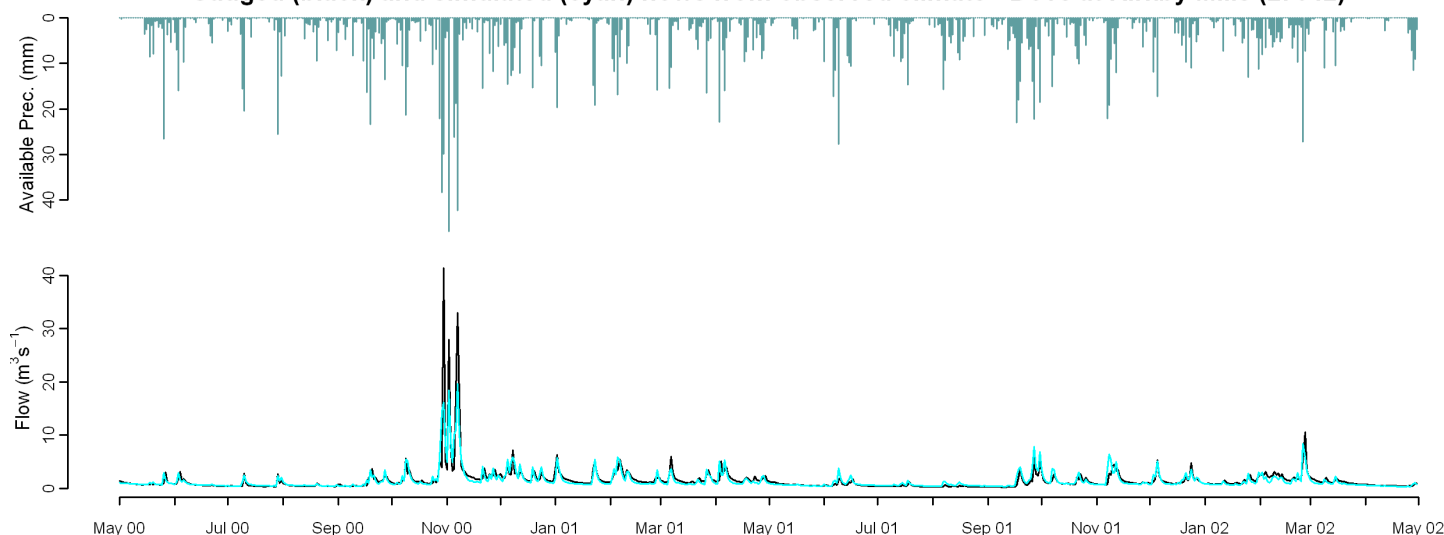
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	3.9	-4.2	-4.5	-11.5	-14.7	-8.7	7.3	29.3	40.7	37.9	19.8	8.7	7.1	0.65
Performance Band	1	1	1	1	2	1	1	2	2	3	2	1	1	2
MORECS (1962-1991)	5.7	-1.8	-6.4	-8.4	-14.1	-8.3	1.7	26.7	36.3	44.0	25.2	17.1	8.4	0.62
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	17.5	12.6	-4.4	-8.8	25.7									
Performance Band	1	1	1	2	2									
MORECS (1962-1991)	10.3	10.9	-4.1	-7.3	29.5									

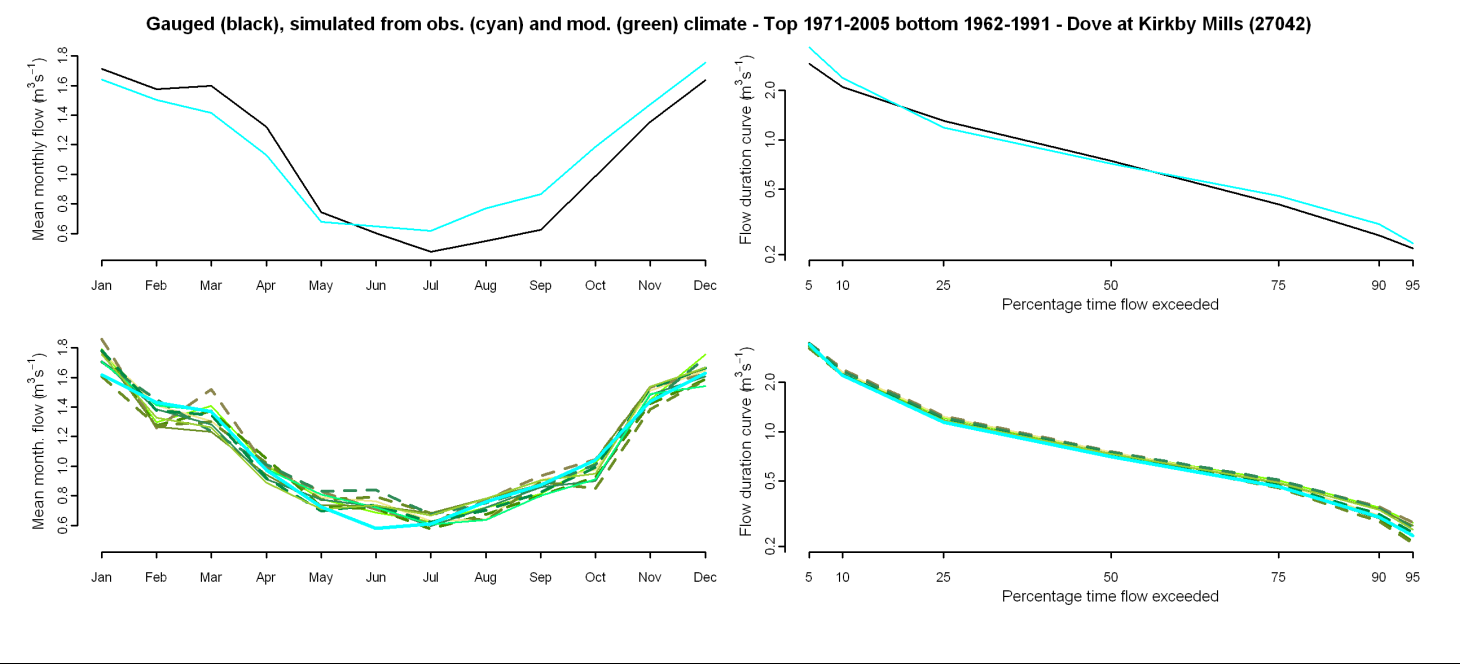
Gauged (black) and simulated (cyan) flows from observed climate - Dove at Kirkby Mills (27042)



Gauged (black) and simulated (cyan) flows from observed climate - Dove at Kirkby Mills (27042)



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	5	1	4	8	2	1	-1	5	0	0	1
January	13	3	12	14	9	3	6	7	6	10	6
April	3	-2	9	5	-1	4	-7	8	0	-4	-3
July	4	7	6	3	12	13	-2	13	1	-1	10
October	4	-6	-5	9	3	-14	-1	5	-8	-3	-7
Q90	15	-1	3	15	9	-7	-5	13	-2	-2	10
Q75	10	3	6	10	4	-2	-2	12	-2	0	5
Q50	7	4	7	10	4	3	3	8	2	3	4
Q25	8	3	9	10	3	2	2	8	1	3	2
Q5	0	-3	-1	3	-2	-5	-4	6	-5	0	-3
RP2	1	4	12	6	9	15	6	5	11	16	9
RP10	-2	-1	4	-10	-6	4	10	-1	15	8	10

Climate change graphs for 2050s

