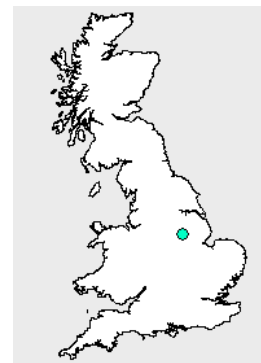


## General Information

River Name	Trent	Catchment Area (km2)	8231
Station Name	North Muskham	SAAR (mm) 61-90	747
Station Number	28022	Mean Annual Rain (mm) 62-91	759
Grid Reference	SK801601	Mean Annual PE (mm) 62-91	593
EA Region	EA-M	Observed flow record	1968 to 2005



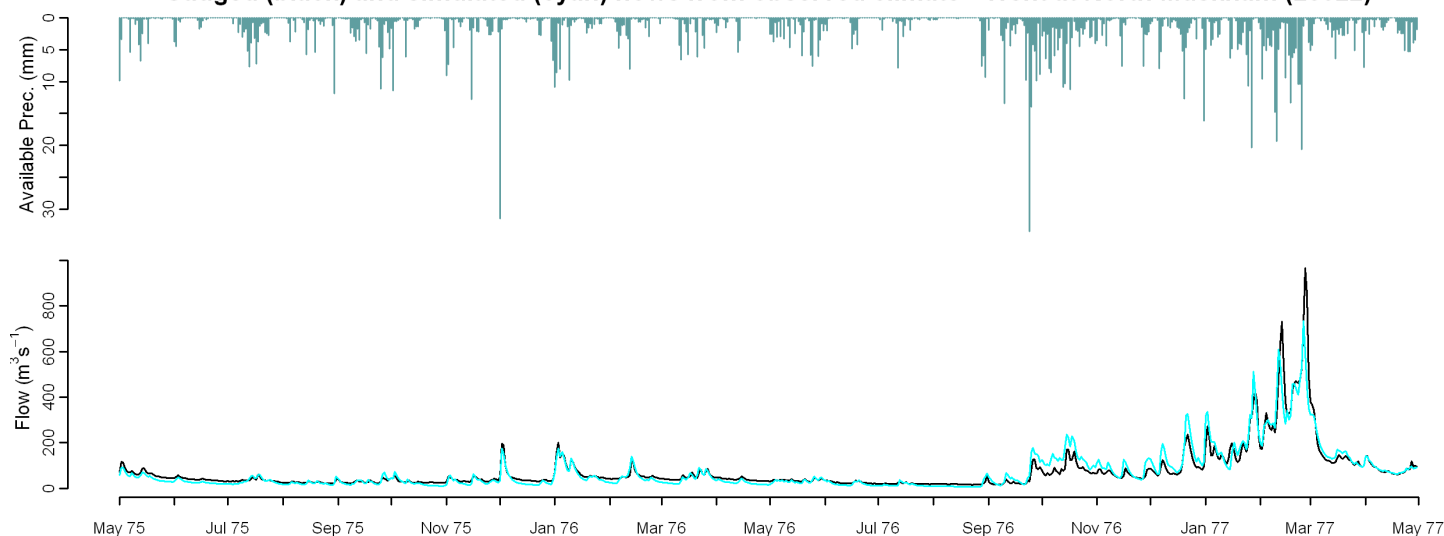
## Observed Data

## Comparison of gauged and simulated flow

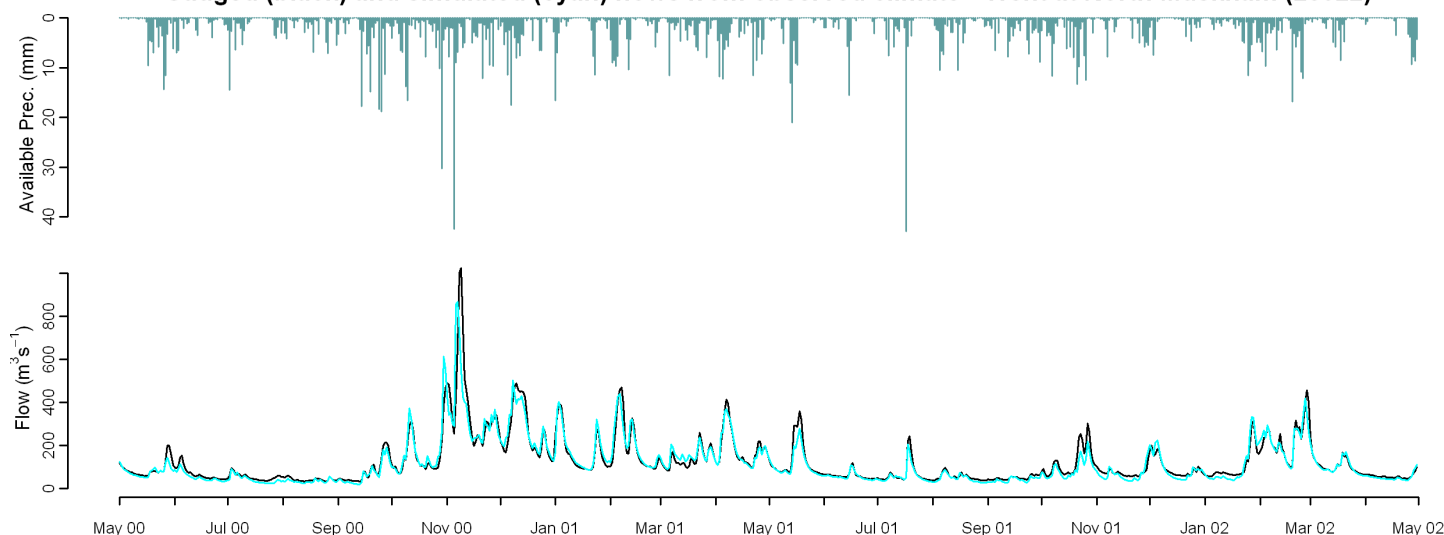
## Model used: CLASSIC

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-2.7	2.3	0.9	0.4	-7.0	-14.7	-13.5	-13.0	-11.5	-13.2	-1.7	3.0	4.1	0.91
Performance Band	1	1	1	1	1	2	2	2	2	2	1	1	1	1
FAO (1962-1991)	0.0	7.1	0.6	2.1	-5.3	-11.6	-9.5	-11.5	-8.7	-11.0	0.0	9.3	10.0	0.89
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10	RP20			
MORECS (1971-2005)	-31.1	-16.9	-5.9	2.2	3.4	1.1		0.8		-1.8	-6.0			
Performance Band	2	2	1	1	1									
FAO (1962-1991)	-29.6	-14.0	-3.5	5.4	8.6	0.3		2.0		0.5	-2.7			

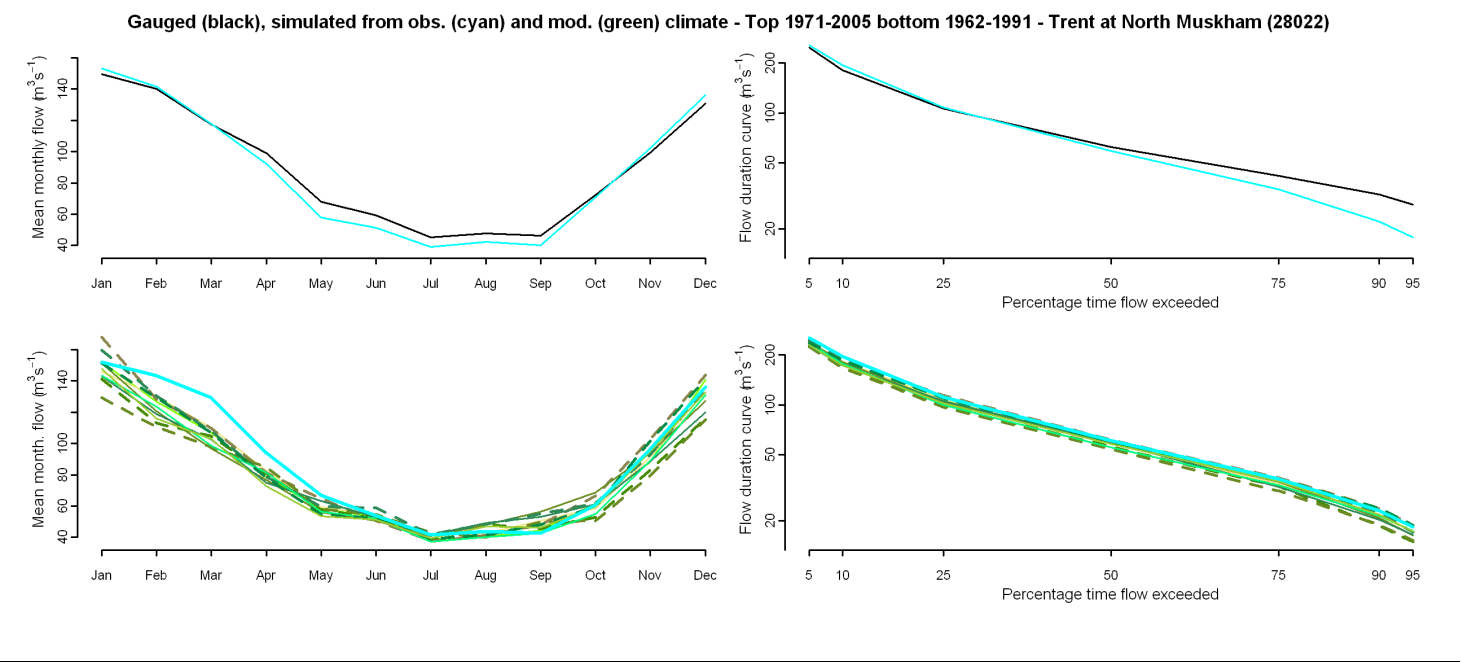
Gauged (black) and simulated (cyan) flows from observed climate - Trent at North Muskham (28022)



Gauged (black) and simulated (cyan) flows from observed climate - Trent at North Muskham (28022)



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	-4	-10	-4	1	-7	-12	-7	1	-8	-5	-8
January	5	-8	-3	7	2	-15	-6	4	-5	0	-3
April	-16	-18	-9	-10	-18	-10	-20	-15	-13	-18	-21
July	-5	-1	6	-6	-3	6	2	4	-8	-7	-4
October	4	-10	-2	15	10	-12	6	8	-8	0	0
Q90	1	-19	-7	5	-12	-18	-12	-2	-6	1	-4
Q75	-1	-9	-6	3	-8	-16	-11	1	-8	-2	-3
Q50	-5	-8	-3	2	-6	-11	-4	3	-9	-3	-5
Q25	-4	-12	-2	4	-8	-13	-6	1	-10	-2	-9
Q5	-6	-11	-5	-5	-7	-12	-12	-1	-8	-8	-11
RP2	5	-4	-4	8	7	2	9	9	-2	-1	2
RP10	-4	6	-2	4	6	3	12	0	9	-1	13

Climate change graphs for 2050s

