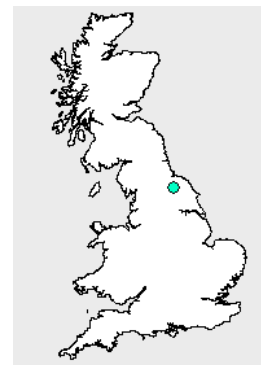


## General Information

River Name	Rye	Catchment Area (km2)	132
Station Name	Broadway Foot	SAAR (mm) 61-90	883
Station Number	27055	Mean Annual Rain (mm) 62-91	887
Grid Reference	SE560883	Mean Annual PE (mm) 62-91	574
EA Region	EA-NE	Observed flow record	1974 to 2004



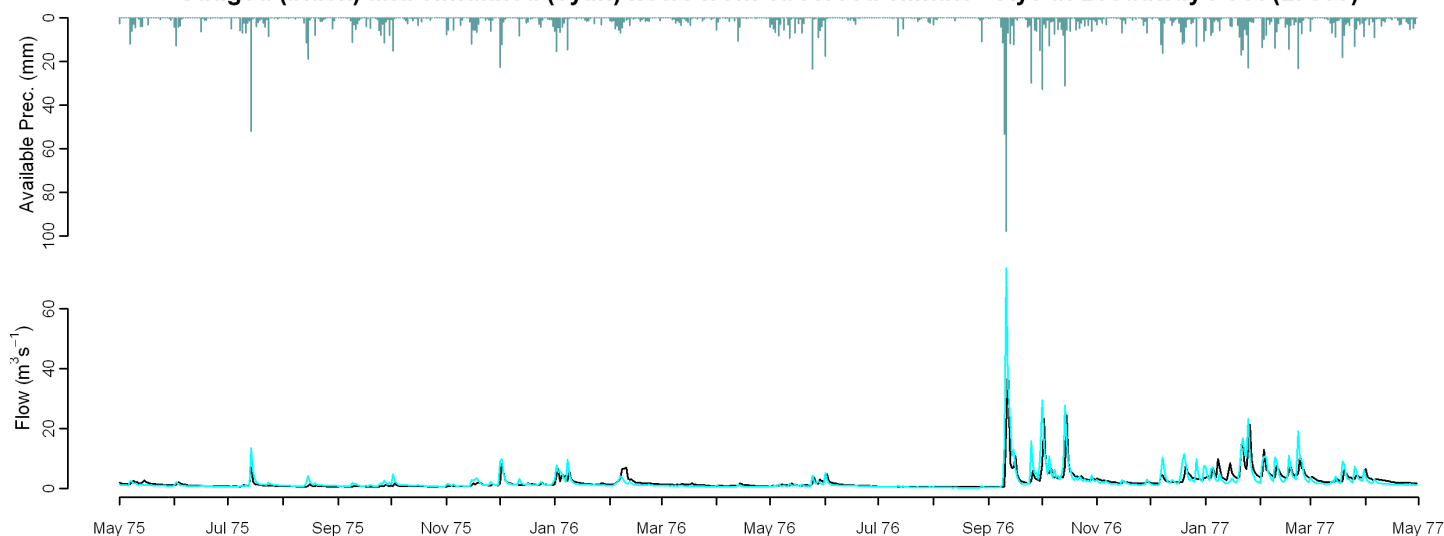
## Observed Data

## Comparison of gauged and simulated flow

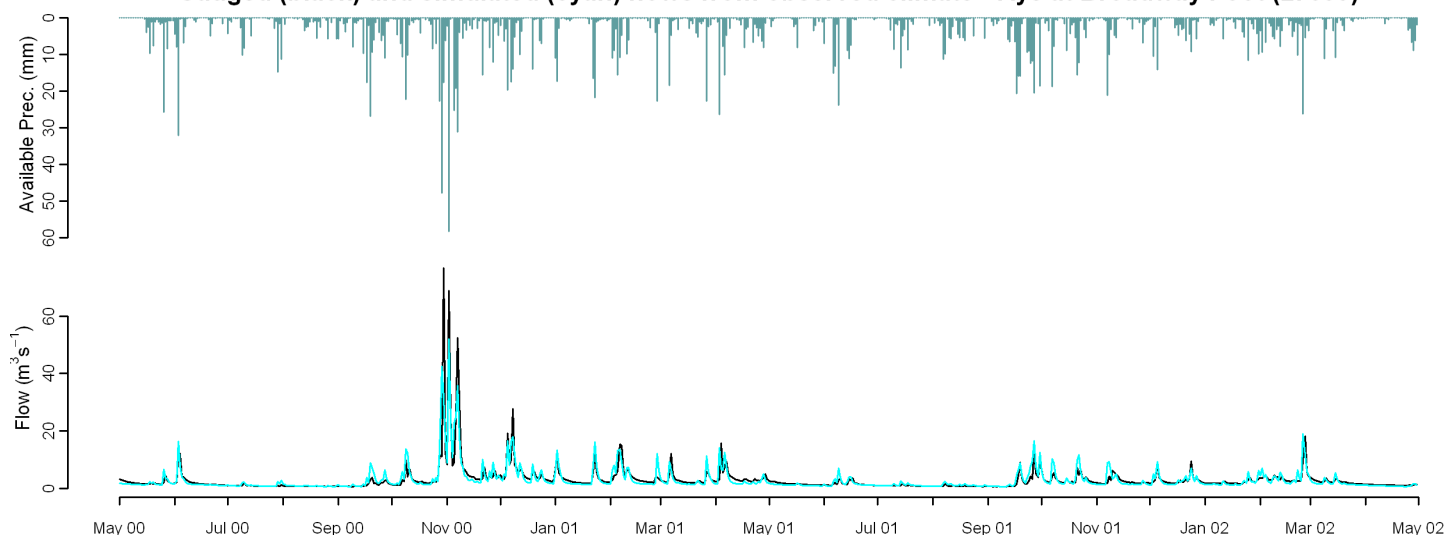
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	3.1	0.1	-5.6	-17.3	-13.8	-14.1	0.8	17.0	27.1	45.2	18.2	9.7	8.4	0.62
Performance Band	1	1	1	2	2	2	1	2	1	3	2	1	2	2
MORECS (1962-1991)	4.0	-0.6	-6.0	-12.5	-15.1	-14.8	1.1	15.3	19.9	42.7	23.5	14.8	5.5	0.56
	Q90	Q75	Q50	Q25	Q5									
MORECS (1971-2005)	3.5	2.8	-8.0	-9.8	29.3									
Performance Band	1	1	1	2	2									
MORECS (1962-1991)	-0.9	3.1	-7.5	-11.1	27.3									

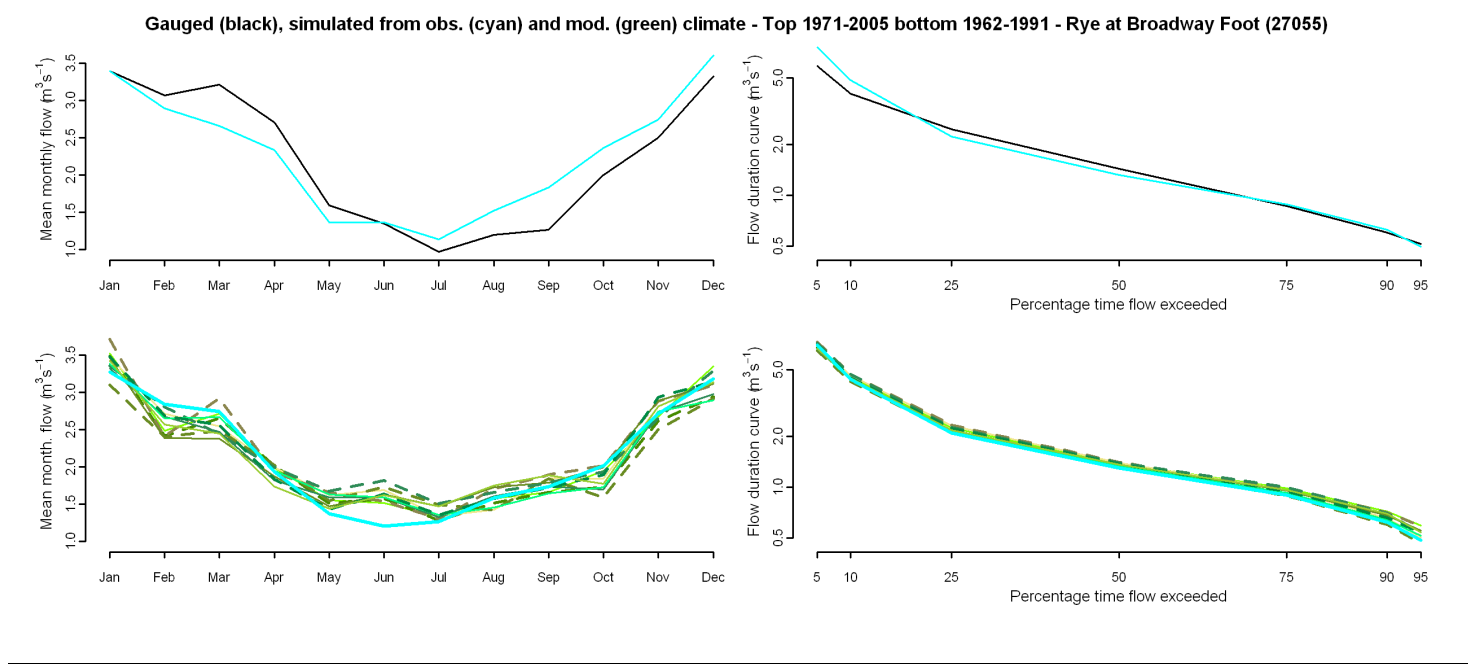
Gauged (black) and simulated (cyan) flows from observed climate - Rye at Broadway Foot (27055)



Gauged (black) and simulated (cyan) flows from observed climate - Rye at Broadway Foot (27055)



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	0	4	8	1	0	-2	5	-1	1	1
January	10	0	8	13	5	-1	1	4	4	6	3
April	3	-7	7	3	-2	4	-7	7	-1	-3	-5
July	8	15	9	6	16	19	4	21	7	4	17
October	0	-9	-8	8	0	-17	-4	2	-11	-5	-10
Q90	17	0	6	17	7	-3	-2	13	2	3	12
Q75	11	5	7	12	5	0	0	12	2	4	7
Q50	7	5	7	9	3	2	3	9	2	5	4
Q25	9	4	10	12	3	2	2	10	1	5	3
Q5	-2	-4	-2	5	-4	-6	-7	6	-6	0	-6
RP2	1	0	1	12	13	18	7	10	11	13	16
RP10	-7	-7	1	-9	-3	3	2	0	9	-5	10

Climate change graphs for 2050s

