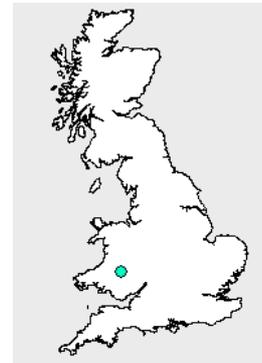


General Information

River Name	Wye	Catchment Area (km ²)	1282
Station Name	Erwood	SAAR (mm) 61-90	1386
Station Number	55007	Mean Annual Rain (mm) 62-91	1398
Grid Reference	SO076445	Mean Annual PE (mm) 62-91	533
EA Region	EA-W	Observed flow record	1962 to 2005



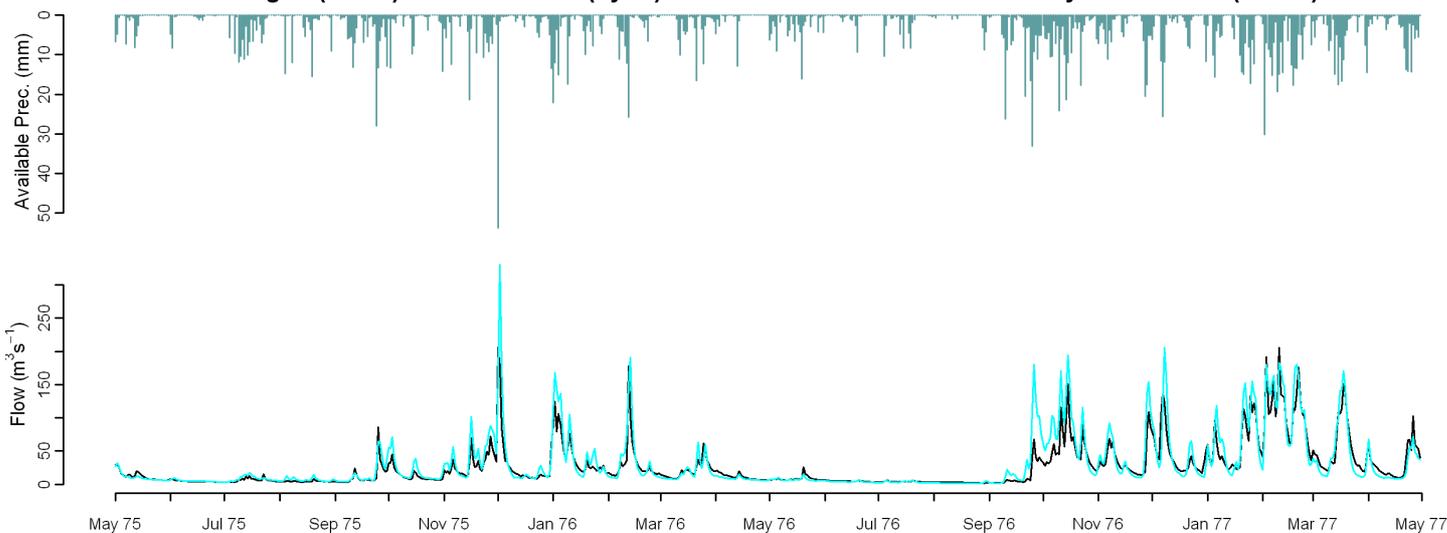
Observed Data

Comparison of gauged and simulated flow

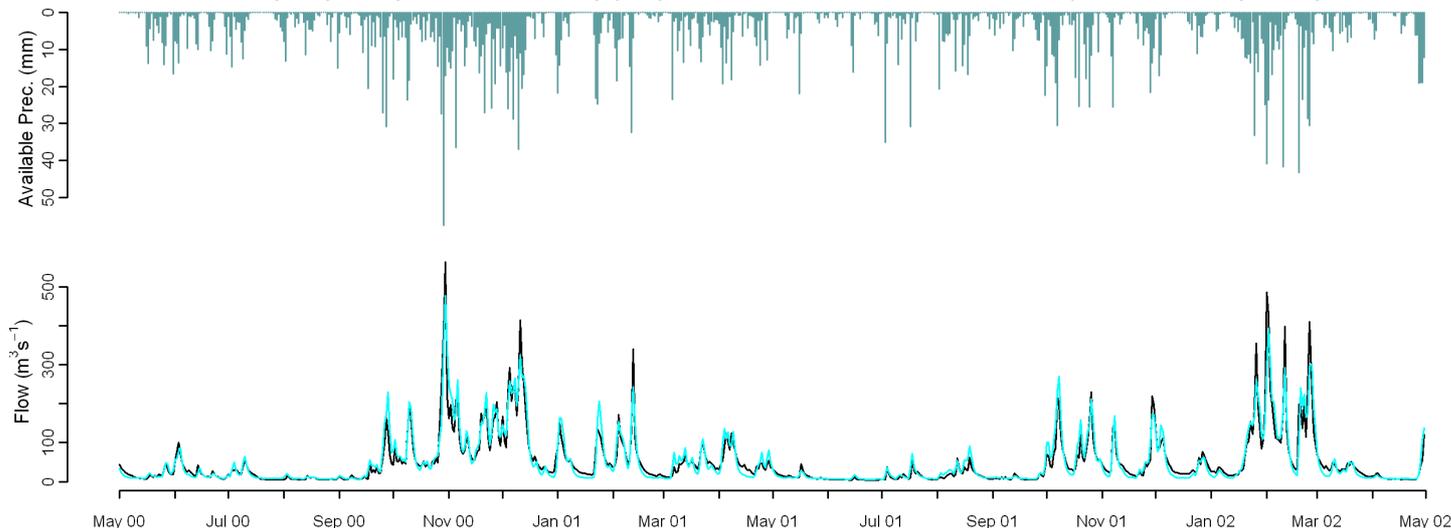
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	6.0	2.6	1.5	-3.2	-5.2	-11.7	-5.7	3.8	19.3	31.8	26.6	14.0	4.2	0.82
Performance Band	1	1	1	1	1	2	1	1	2	3	2	2	1	1
MORECS (1962-1991)	4.8	3.2	0.9	-2.1	-9.3	-15.4	-9.9	-4.2	13.1	30.9	24.8	13.3	3.8	0.81
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	14.1	9.2	-24.9	8.0	20.3									
Performance Band	1	1	2	2	1									
MORECS (1962-1991)	7.2	-5.2	-26.4	6.4	19.0									

Gauged (black) and simulated (cyan) flows from observed climate - Wye at Erwood (55007)

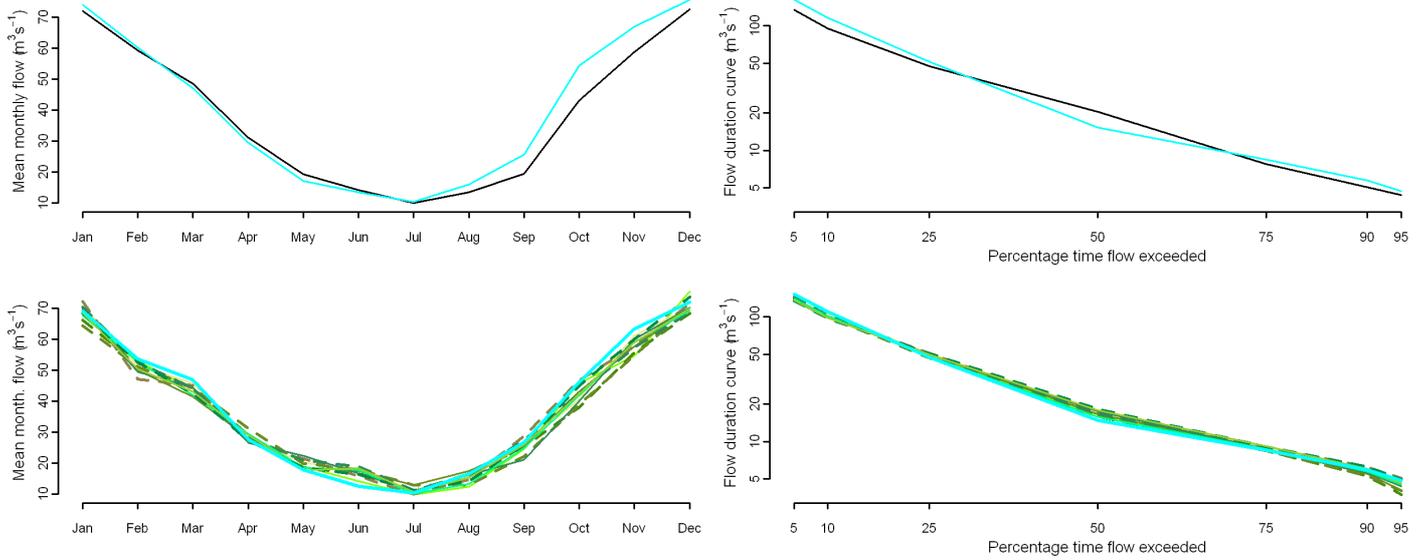


Gauged (black) and simulated (cyan) flows from observed climate - Wye at Erwood (55007)



Comparison of gauged and simulated flow (observed and modelled climate)

Gauged (black), simulated from obs. (cyan) and mod. (green) climate - Top 1971-2005 bottom 1962-1991 - Wye at Erwood (55007)



Percentage difference between flow simulated from observed climate and Future Flows Climate

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	-1	-3	0	1	-1	-3	-2	0	-2	-1	-1
January	1	-5	5	2	3	-3	0	4	-2	-5	3
April	-1	2	1	7	1	13	0	5	2	-1	5
July	-4	17	16	-1	17	28	7	9	-3	5	2
October	-1	-11	-15	3	-9	-12	-6	-6	-8	-2	-9
Q90	0	-11	-2	7	-11	-11	-7	6	-4	4	3
Q75	4	-2	4	6	0	-2	2	5	1	5	6
Q50	13	7	15	17	10	6	20	14	7	21	19
Q25	4	0	8	9	4	2	7	8	2	7	5
Q5	-8	-7	-8	-7	-9	-8	-12	-4	-8	-13	-11
RP2	-4	0	-1	1	3	-4	-2	2	-1	4	-1
RP10	5	3	3	5	12	-4	3	8	19	7	11

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Wye at Erwood (55007)

