

General Information

River Name	Torridge	Catchment Area (km ²)	663
Station Name	Torrington	SAAR (mm) 61-90	1186
Station Number	50002	Mean Annual Rain (mm) 62-91	1197
Grid Reference	SS500185	Mean Annual PE (mm) 62-91	562
EA Region	EA-SW	Observed flow record	1962 to 2005



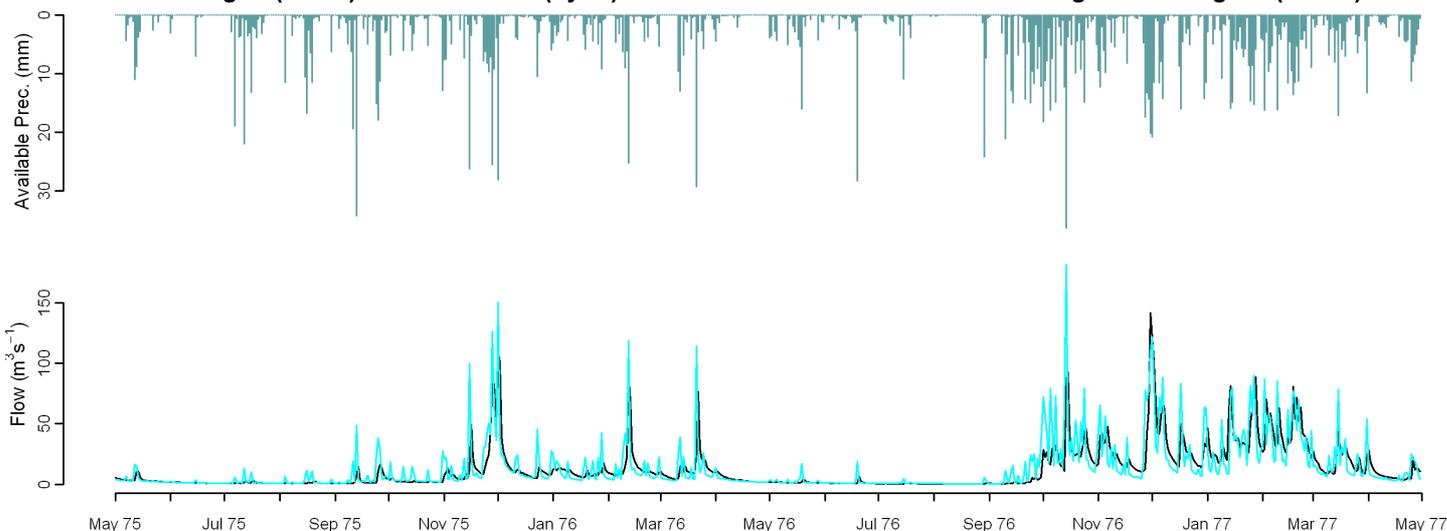
Observed Data

Comparison of gauged and simulated flow

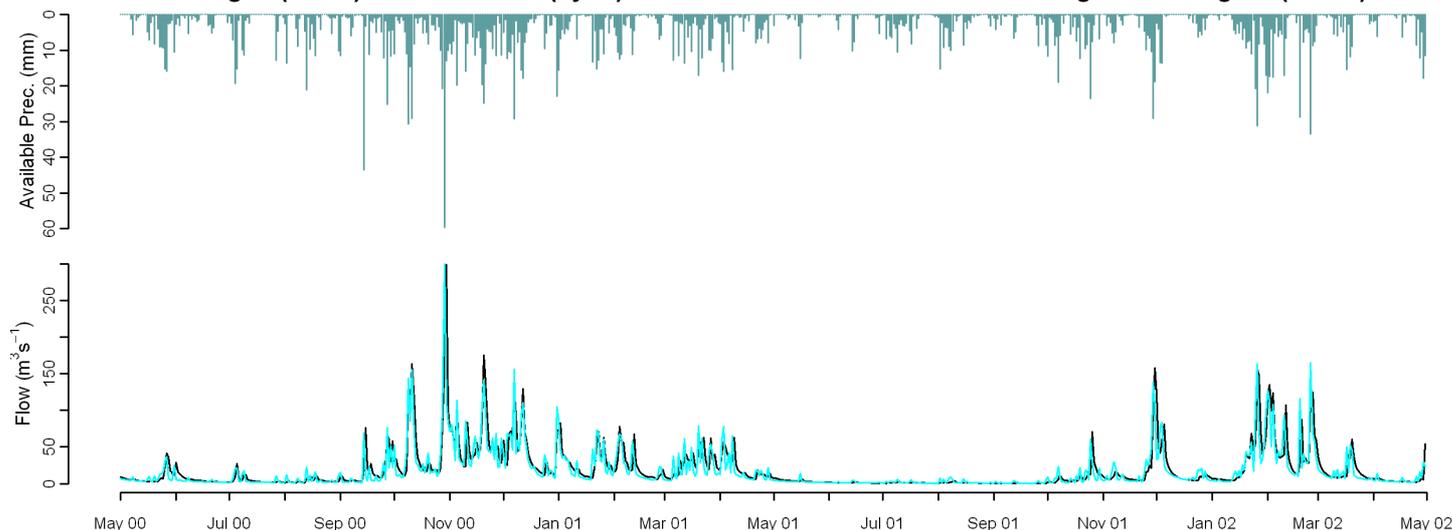
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-2.8	-2.0	-4.0	-8.3	-11.7	-17.3	-10.4	2.3	5.4	10.8	2.2	-1.5	-2.6	0.56
Performance Band	1	1	1	1	2	2	2	1	1	1	1	1	1	2
FAO (1962-1991)	2.7	2.2	-2.9	-2.8	-6.8	-6.6	3.9	0.7	5.8	19.4	14.5	4.6	2.9	0.47
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	1.1	-11.5	-19.5	-11.1	7.4	-1.1	-6.1	-9.8	-13.3					
Performance Band	1	1	2	1	1									
FAO (1962-1991)	2.0	-7.0	-18.3	-2.3	14.6	6.1	-0.5	-7.8	-15.3					

Gauged (black) and simulated (cyan) flows from observed climate - Torridge at Torrington (50002)

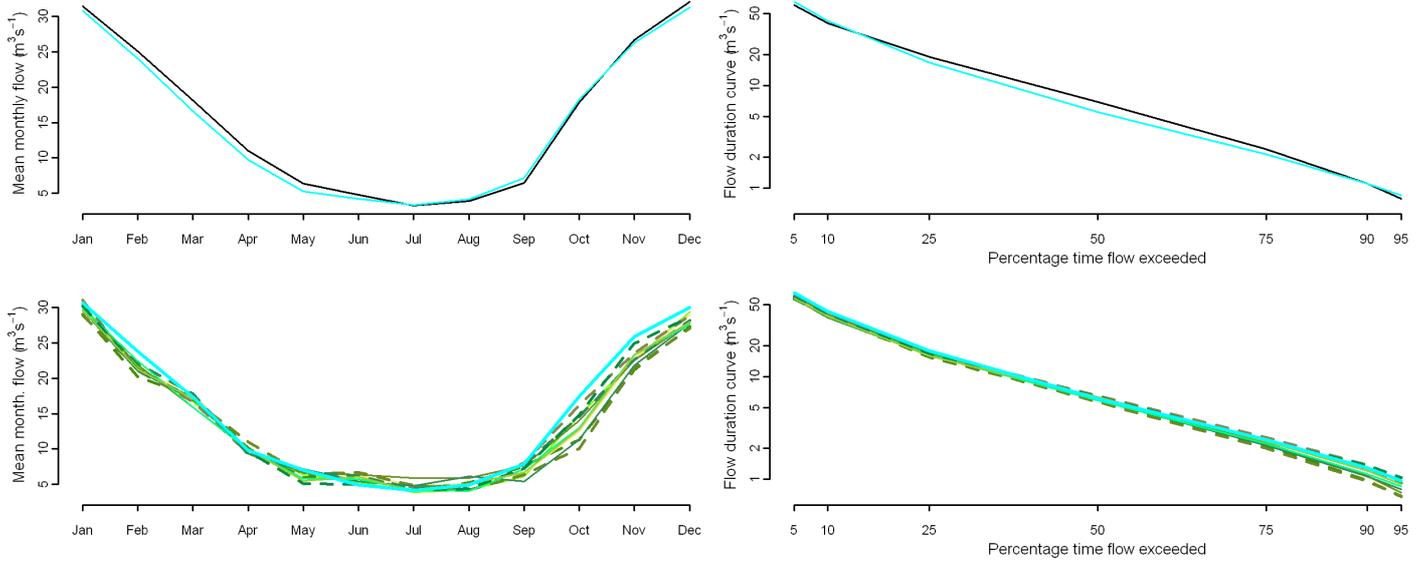


Gauged (black) and simulated (cyan) flows from observed climate - Torridge at Torrington (50002)



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 - Torridge at Torrington (50002)



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

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	-7	-11	-6	-3	-6	-11	-9	-5	-9	-8	-8
January	-2	-5	2	3	0	-4	-4	3	-3	-5	-2
April	1	-5	-3	-3	2	8	-6	-5	-1	-6	3
July	-8	8	16	12	34	14	14	4	7	-3	-4
October	-18	-36	-30	-5	-26	-43	-34	-21	-28	-18	-8
Q90	-3	-25	-19	5	-20	-28	-16	-4	-13	4	-6
Q75	-1	-13	-6	6	-10	-20	-10	-2	-8	-3	-3
Q50	1	-6	1	9	0	-9	-1	3	-4	2	2
Q25	-6	-14	-7	-3	-6	-12	-9	-7	-9	-9	-12
Q5	-10	-9	-9	-7	-6	-12	-12	-6	-12	-13	-11
RP2	-9	-14	-7	-5	-7	-12	-5	-12	-7	-9	-8
RP10	-6	-7	4	6	-7	-3	-2	-15	3	4	0

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Torridge at Torrington (50002)

