

General Information

River Name	Exe	Catchment Area (km2)	601
Station Name	Thorverton	SAAR (mm) 61-90	1250
Station Number	45001	Mean Annual Rain (mm) 62-91	1271
Grid Reference	SS936016	Mean Annual PE (mm) 62-91	573
EA Region	EA-SW	Observed flow record	1962 to 2005



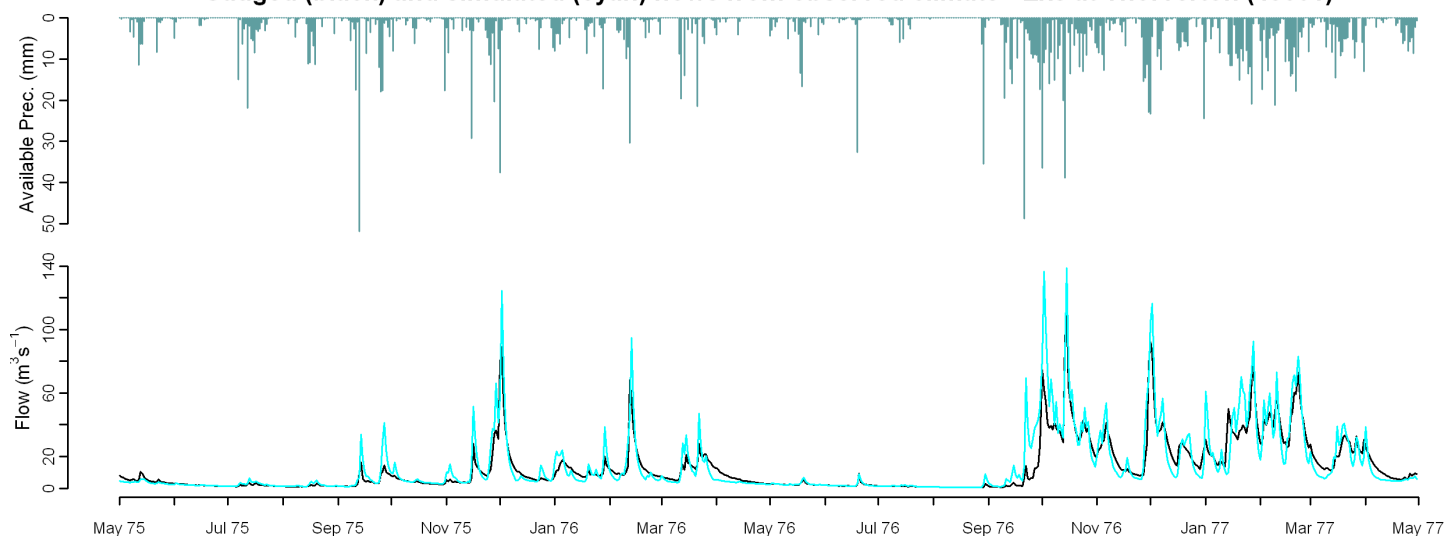
Observed Data

Comparison of gauged and simulated flow

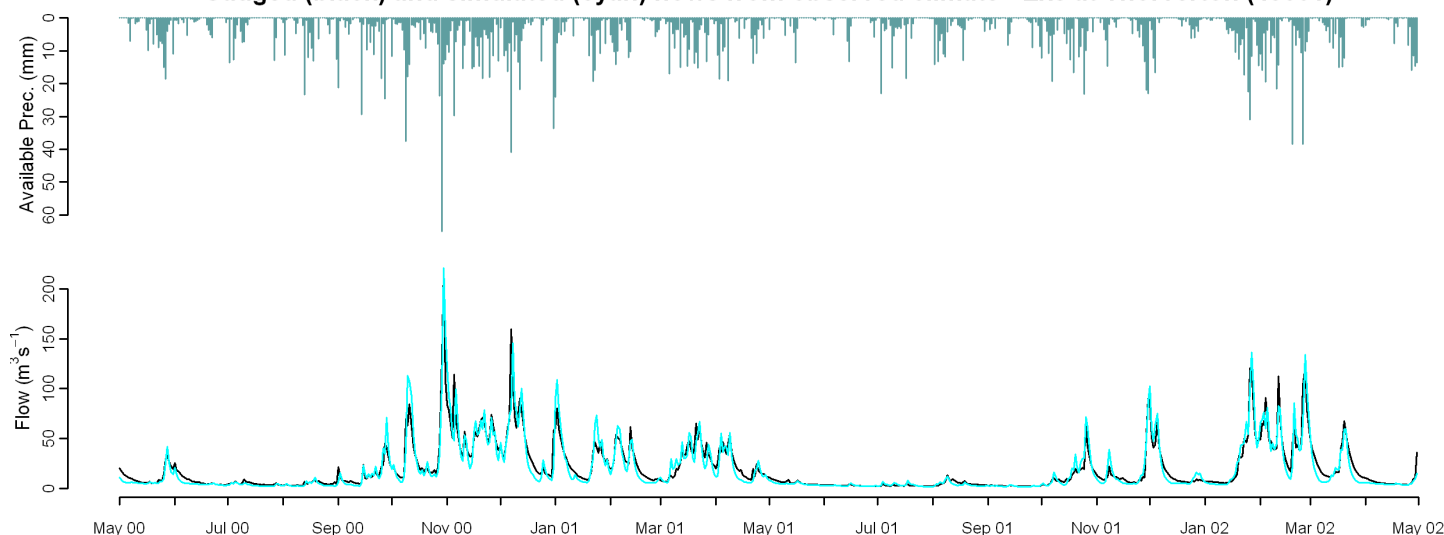
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-2.5	-1.7	-3.9	-9.8	-17.3	-24.1	-20.2	-14.8	-4.3	11.7	10.8	6.3	2.7	0.83
Performance Band	1	1	1	1	2	2	2	2	1	2	1	1	1	1
MORECS (1962-1991)	-1.9	0.2	-4.8	-6.3	-20.2	-22.9	-17.2	-10.7	-6.7	11.7	10.5	8.1	3.2	0.81
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	-15.7	-17.0	-31.4	-9.4	16.5									
Performance Band	1	1	1	2	1									
MORECS (1962-1991)	-10.0	-18.3	-33.8	-9.5	20.2									

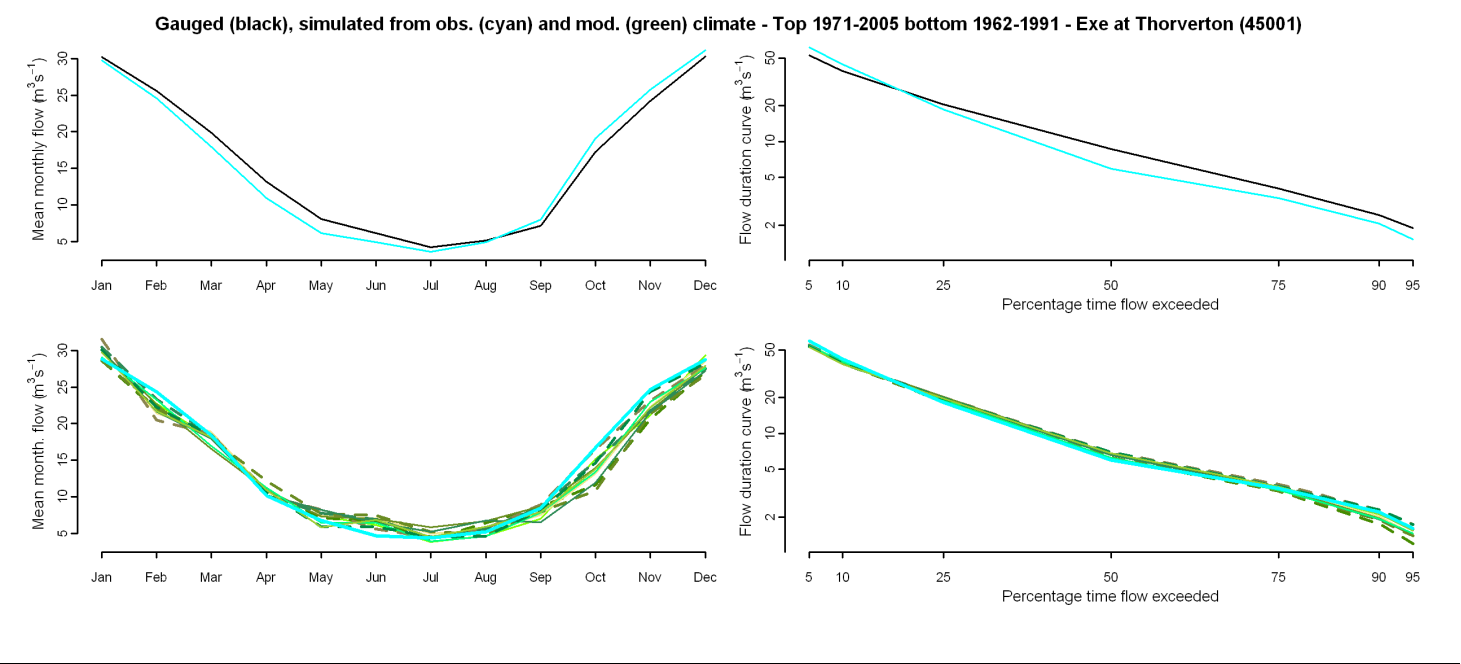
Gauged (black) and simulated (cyan) flows from observed climate - Exe at Thorverton (45001)



Gauged (black) and simulated (cyan) flows from observed climate - Exe at Thorverton (45001)



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	-1	-4	-2	1	-1	-3	-4	1	-5	-3	-2
January	4	-1	9	8	6	1	3	9	1	1	5
April	7	3	10	5	9	20	4	3	9	3	12
July	-9	2	13	3	26	23	22	9	-7	0	2
October	-10	-25	-22	3	-21	-32	-25	-13	-19	-14	-17
Q90	-3	-21	-11	4	-15	-15	-12	1	-14	0	-4
Q75	3	-6	0	9	-3	-6	-1	6	-5	1	2
Q50	16	4	10	18	10	6	12	16	4	15	13
Q25	7	1	8	11	9	4	7	13	3	6	7
Q5	-12	-8	-8	-7	-9	-10	-11	-8	-10	-12	-10
RP2	1	-5	-3	-2	-2	1	3	-3	1	-1	-1
RP10	3	0	-2	7	4	14	8	4	4	11	10

Climate change graphs for 2050s

