

General Information

River Name	Otter	Catchment Area (km ²)	203
Station Name	Dotton	SAAR (mm) 61-90	970
Station Number	45005	Mean Annual Rain (mm) 62-91	981
Grid Reference	SY087885	Mean Annual PE (mm) 62-91	569
EA Region	EA-SW	Observed flow record	1962 to 2005



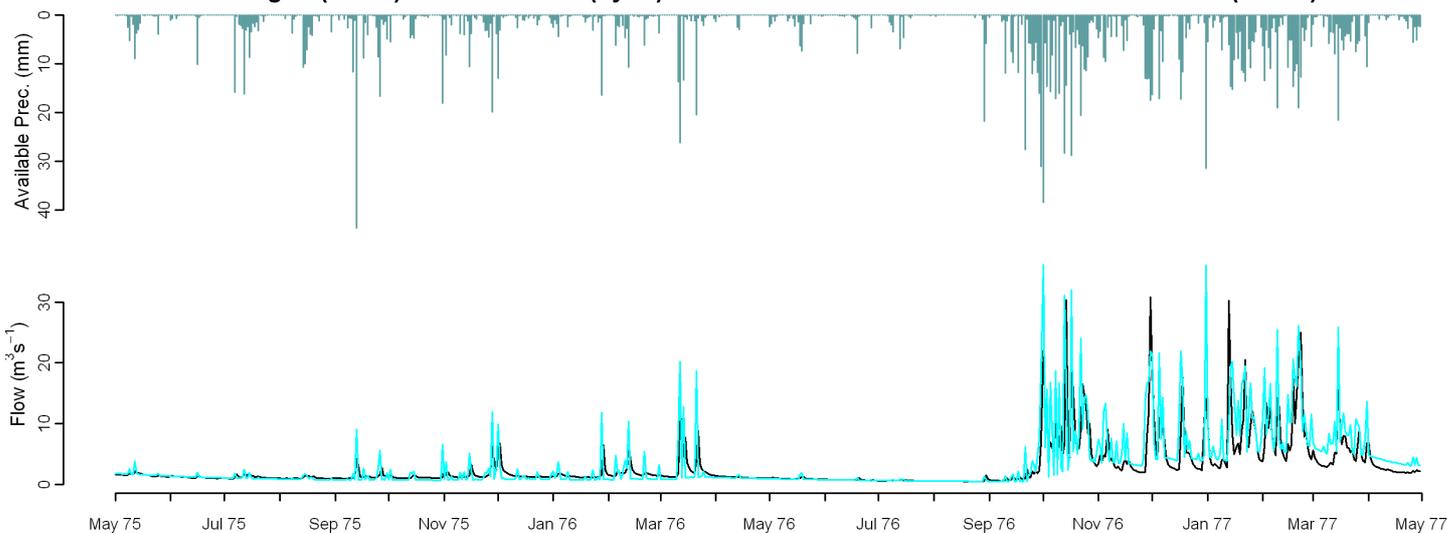
Observed Data

Comparison of gauged and simulated flow

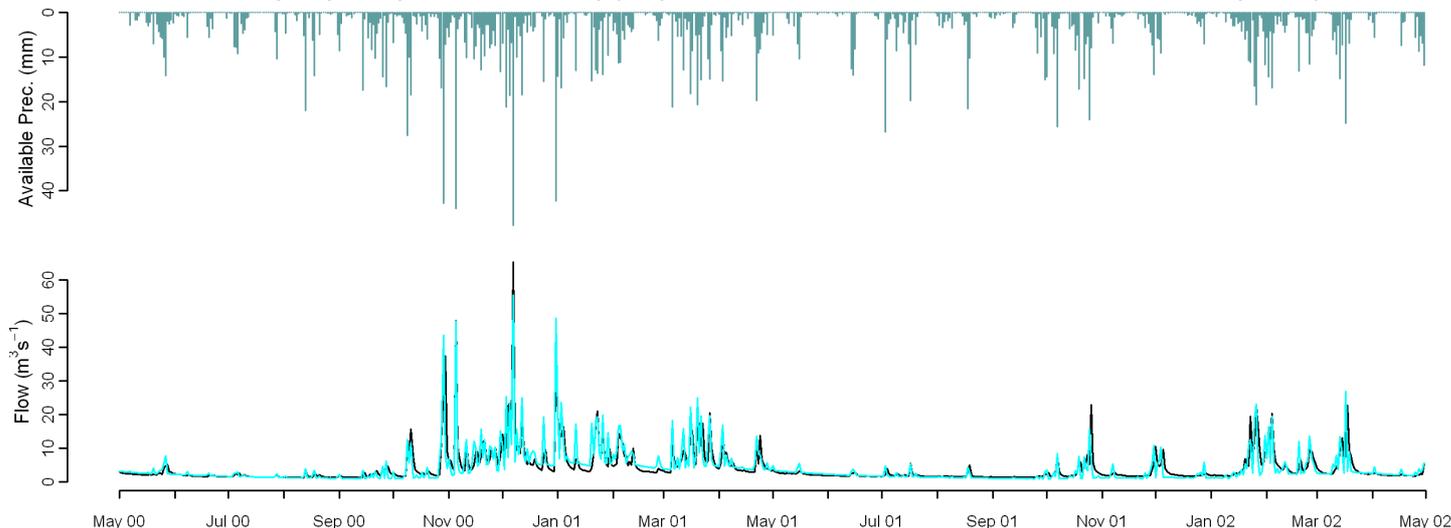
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	6.5	9.3	16.5	17.3	11.9	11.7	9.0	6.7	-2.3	-8.4	-10.2	-2.8	1.9	0.49
Performance Band	1	1	2	2	2	2	1	1	1	1	1	1	1	2
FAO (1962-1991)	11.5	12.6	14.5	24.8	25.3	18.7	18.1	5.7	3.2	-6.9	-2.8	1.6	6.5	0.41
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-16.4	-11.0	1.2	9.6	19.5	-0.8	-6.4	-10.2	-13.7					
Performance Band	1	1	1	1	2									
FAO (1962-1991)	-14.6	-7.2	6.7	13.3	26.0	0.5	-8.8	-13.7	-17.7					

Gauged (black) and simulated (cyan) flows from observed climate - Otter at Dotton (45005)

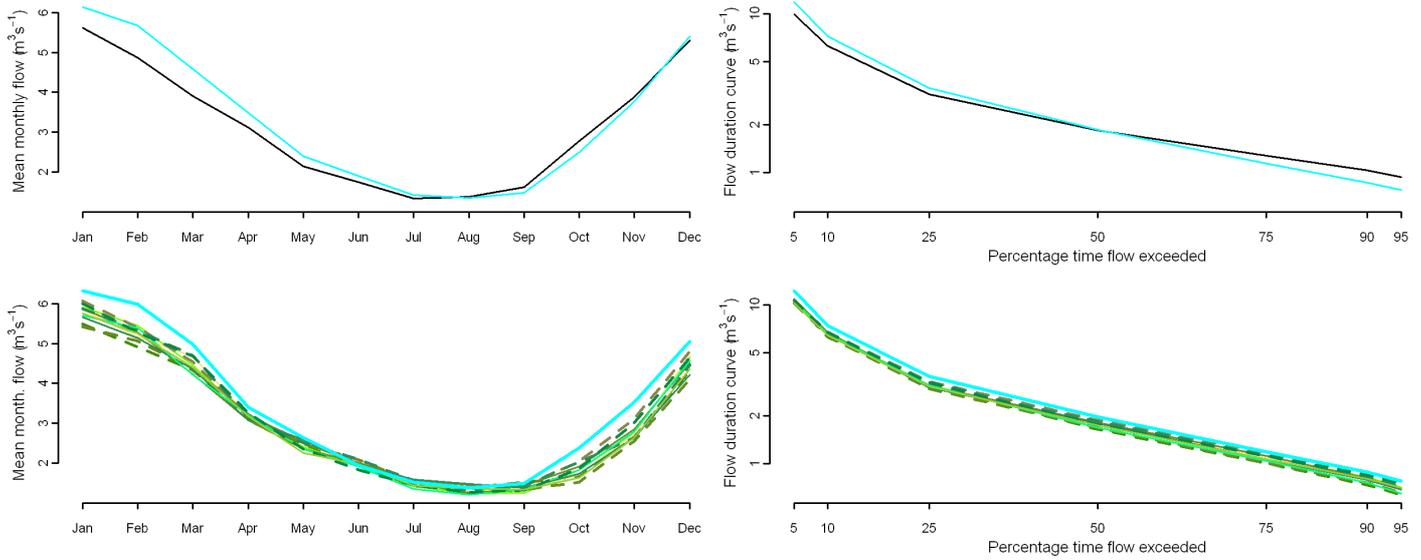


Gauged (black) and simulated (cyan) flows from observed climate - Otter at Dotton (45005)



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 - Otter at Dotton (45005)



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

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	-10	-13	-9	-5	-11	-15	-12	-8	-12	-10	-13
January	-5	-11	-3	-1	-5	-13	-11	-2	-8	-5	-7
April	-8	-13	-5	-5	-10	-7	-11	-7	-6	-6	-6
July	-6	-6	-1	0	0	-2	5	0	-8	-8	-6
October	-23	-30	-28	-11	-25	-37	-27	-18	-24	-23	-13
Q90	-7	-18	-11	0	-10	-16	-11	-9	-15	-6	-10
Q75	-6	-16	-7	0	-8	-16	-11	-7	-12	-7	-11
Q50	-10	-17	-9	-3	-10	-15	-8	-6	-15	-11	-12
Q25	-12	-13	-11	-6	-14	-18	-15	-11	-13	-10	-14
Q5	-14	-14	-11	-11	-10	-17	-15	-11	-15	-14	-16
RP2	-6	-8	-8	-4	-9	-13	-11	-6	-9	-10	-10
RP10	3	-4	1	2	-6	-14	1	-3	-1	-8	-15

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Otter at Dotton (45005)

