

## General Information

River Name	Otter	Catchment Area (km2)	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



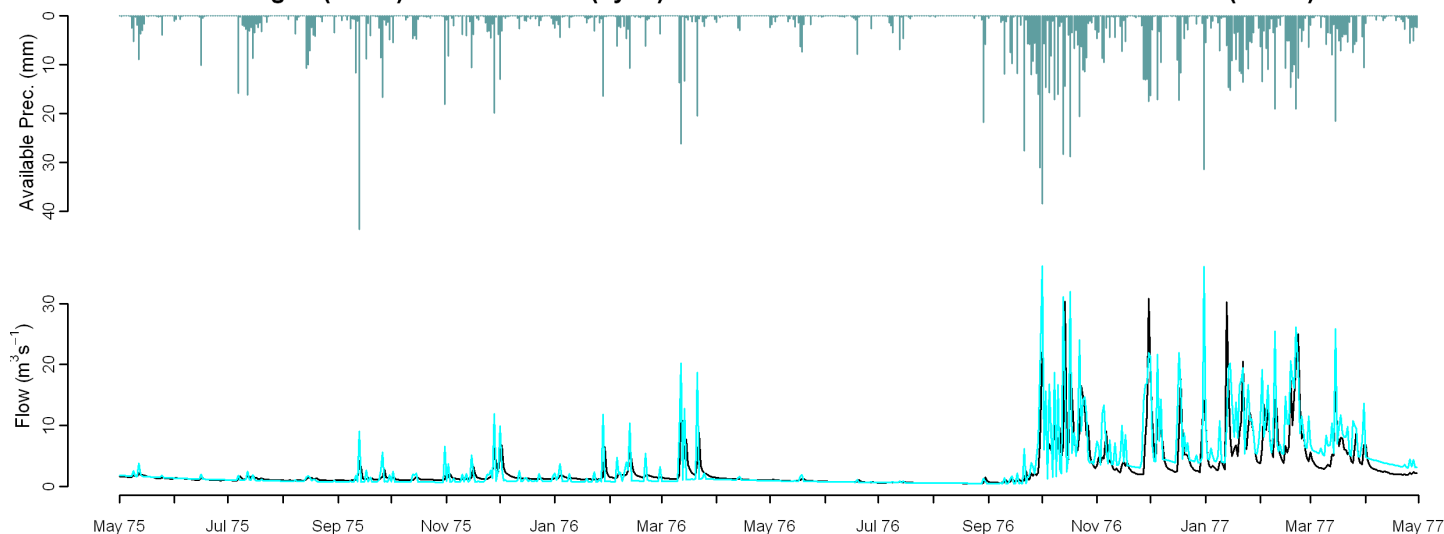
## Observed Data

## Comparison of gauged and simulated flow

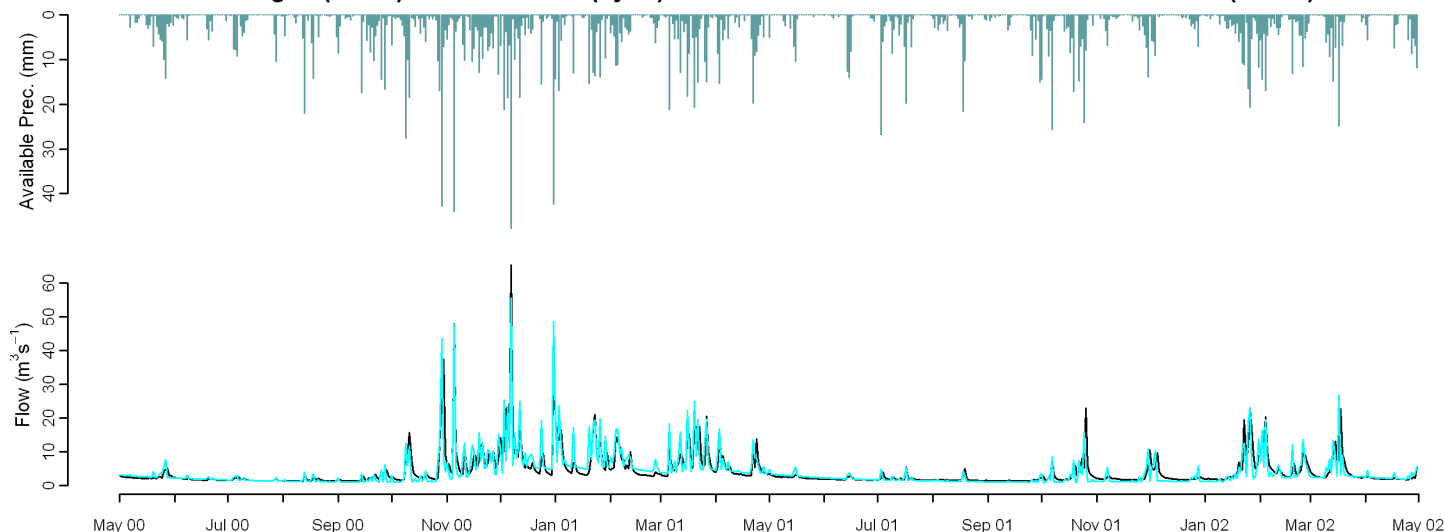
## Model used: PDM

	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			

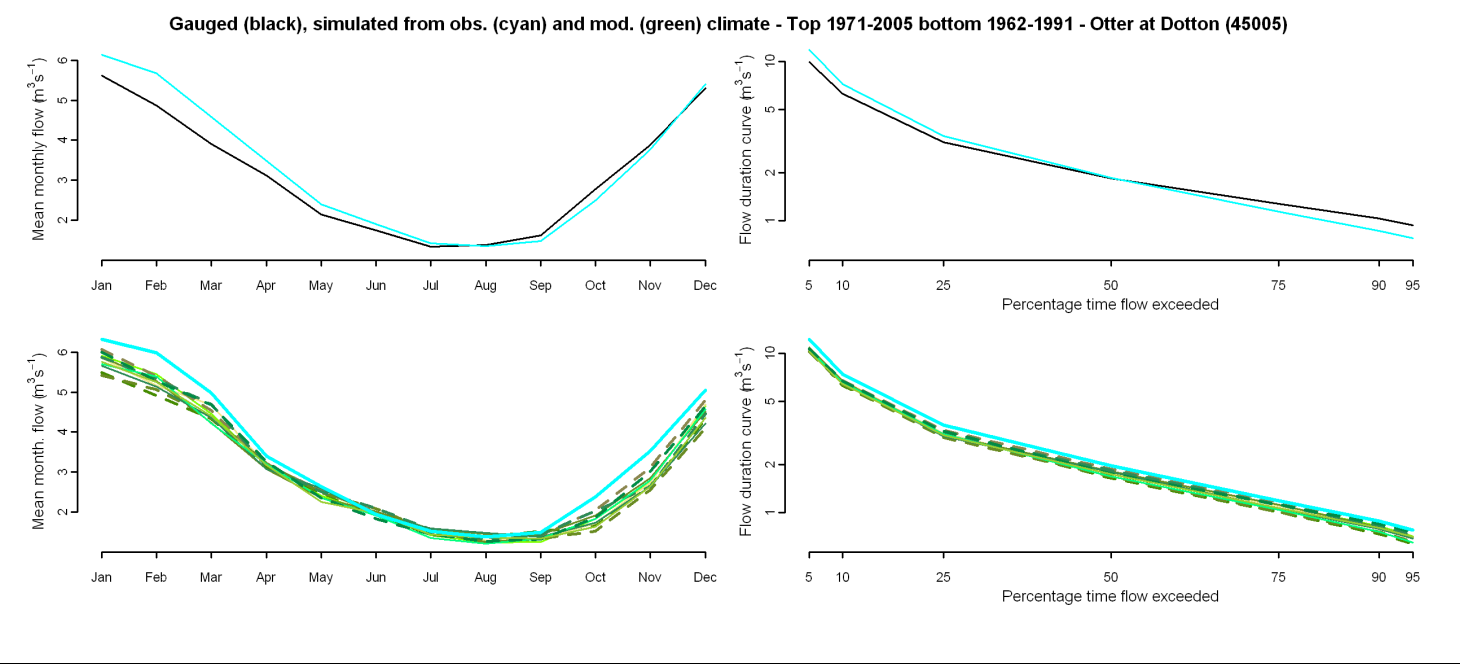
Gauged (black) and simulated (cyan) flows from observed climate - Otter at Dotton (45005)



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



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



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

