

## General Information

River Name	Evenlode	Catchment Area (km <sup>2</sup> )	430
Station Name	Cassington Mill	SAAR (mm) 61-90	691
Station Number	39034	Mean Annual Rain (mm) 62-91	694
Grid Reference	SP448099	Mean Annual PE (mm) 62-91	600
EA Region	EA-SE	Observed flow record	1970 to 2005



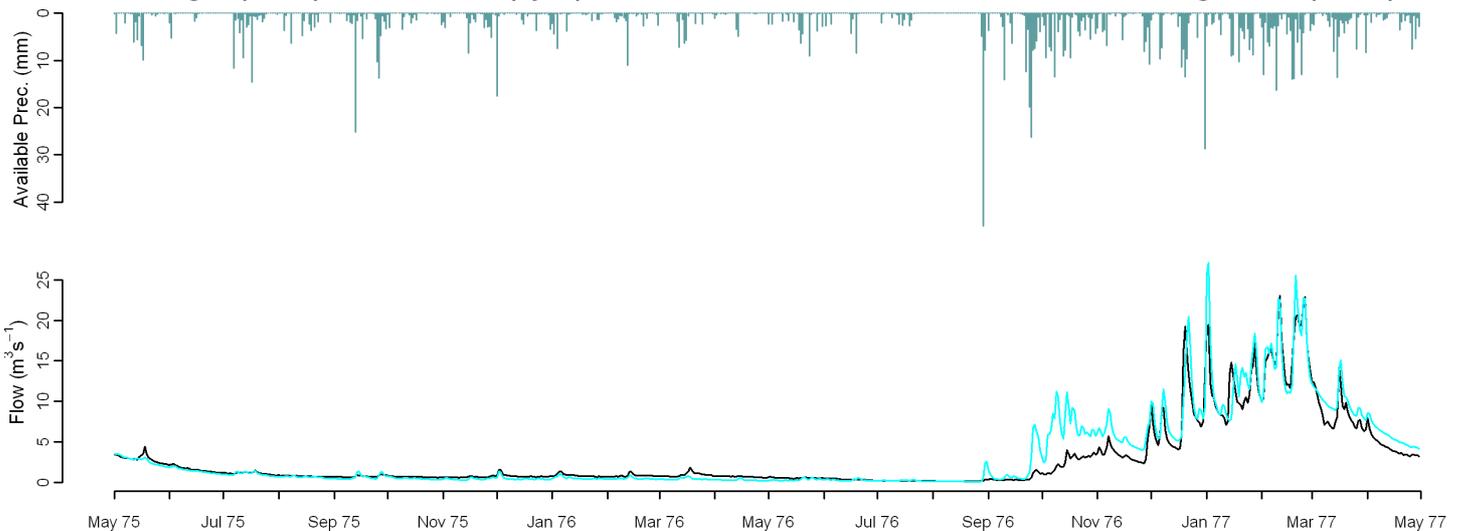
## Observed Data

## Comparison of gauged and simulated flow

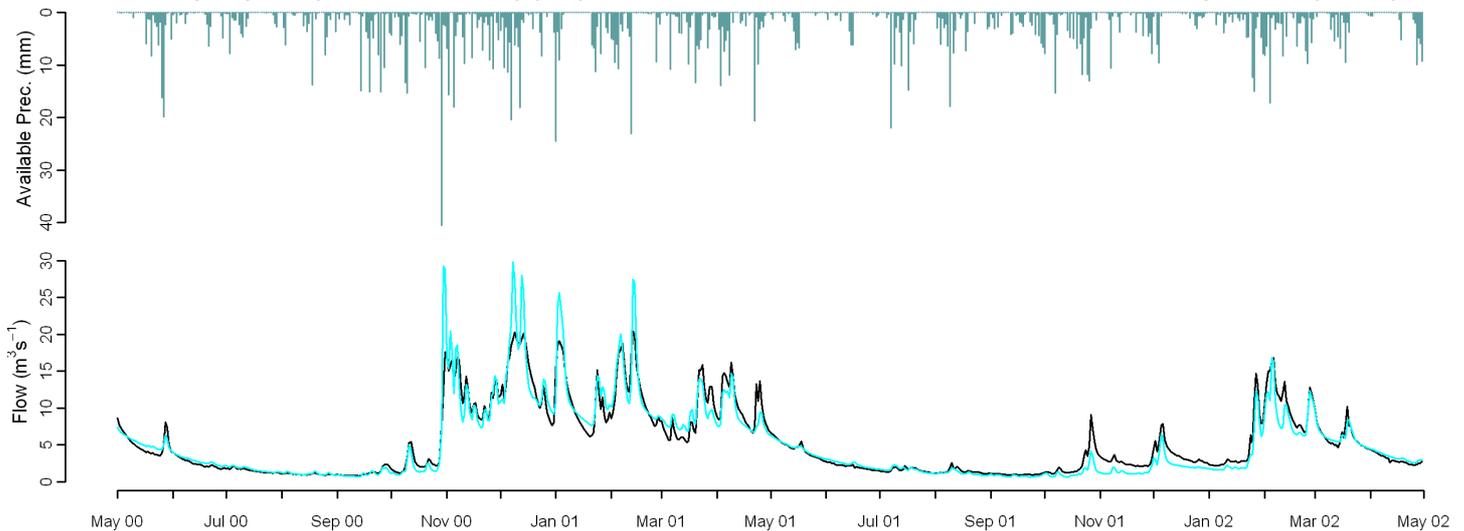
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-9.1	-5.4	0.1	-3.7	-11.6	-14.2	-18.5	-13.2	-13.7	-18.7	-21.4	-17.1	-10.9	0.87
Performance Band	2	1	1	1	2	2	2	2	2	2	2	2	2	1
MORECS (1962-1991)	-13.1	-12.1	-4.2	-6.8	-8.5	-16.5	-21.7	-14.4	-11.6	-15.1	-19.6	-26.2	-22.1	0.84
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-27.8	-19.8	-18.1	-6.3	-10.1									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-31.8	-23.3	-18.1	-11.4	-14.4									

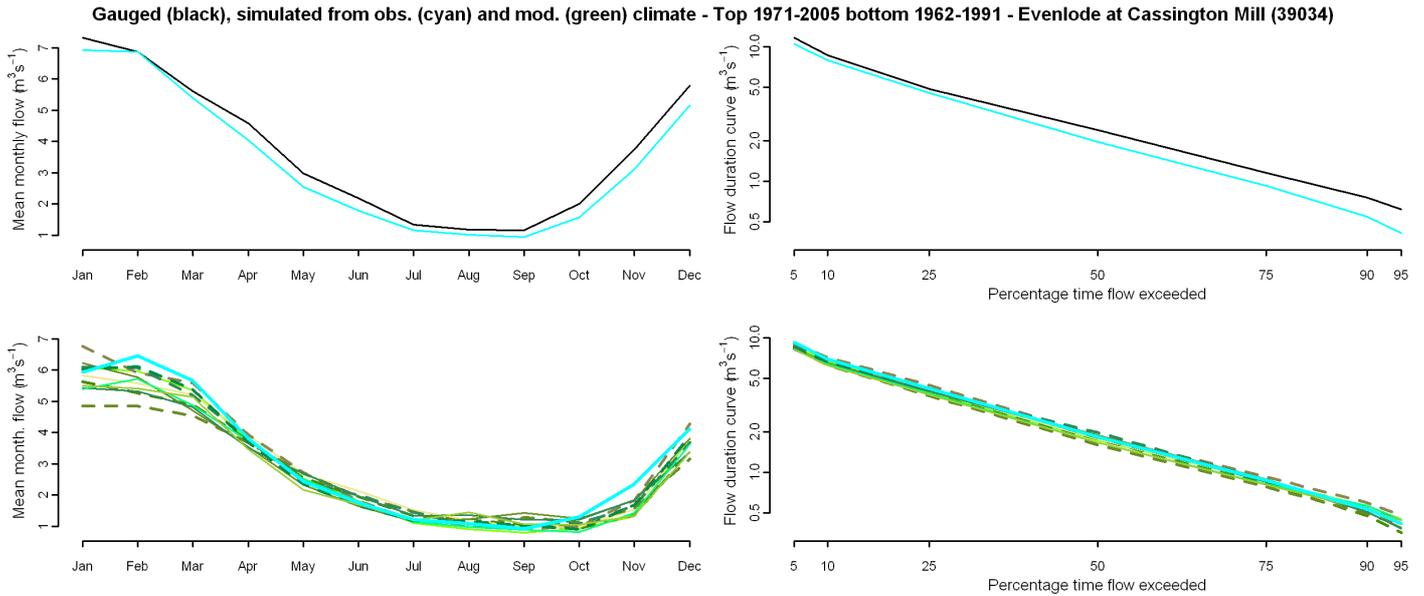
Gauged (black) and simulated (cyan) flows from observed climate - Evenlode at Cassington Mill (39034)



Gauged (black) and simulated (cyan) flows from observed climate - Evenlode at Cassington Mill (39034)



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	-5	-11	-3	1	-6	-13	-8	-2	-10	-5	-11
January	3	-10	2	14	5	-20	-12	5	-7	1	-8
April	-1	-7	8	7	-7	-6	-7	5	1	-3	-7
July	-2	10	30	1	-6	18	15	23	-2	-4	-2
October	-26	-28	-24	-19	-17	-13	-4	-15	-35	-30	-19
Q90	3	-13	4	11	-10	-8	-3	1	3	-4	-1
Q75	-1	-8	-1	6	-4	-13	-2	2	-6	-3	-7
Q50	-6	-8	-3	4	-4	-15	1	8	-9	-2	-11
Q25	-5	-13	-2	7	-6	-15	-6	-2	-7	-1	-13
Q5	-8	-13	-4	-2	-11	-13	-13	-6	-10	-11	-13
RP2	-10	-13	-10	-10	-12	-13	-7	-4	-12	-6	-15
RP10	-12	-8	6	-5	7	2	17	6	-5	19	1

Climate change graphs for 2050s

