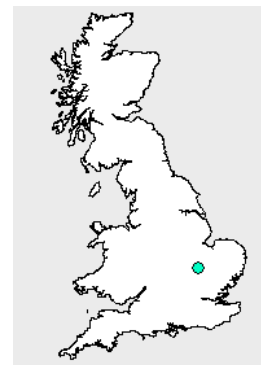


## General Information

River Name	Bedford Ouse	Catchment Area (km2)	2570
Station Name	Offord	SAAR (mm) 61-90	610
Station Number	33026	Mean Annual Rain (mm) 62-91	627
Grid Reference	TL216669	Mean Annual PE (mm) 62-91	601
EA Region	EA-A	Observed flow record	1970 to 2005



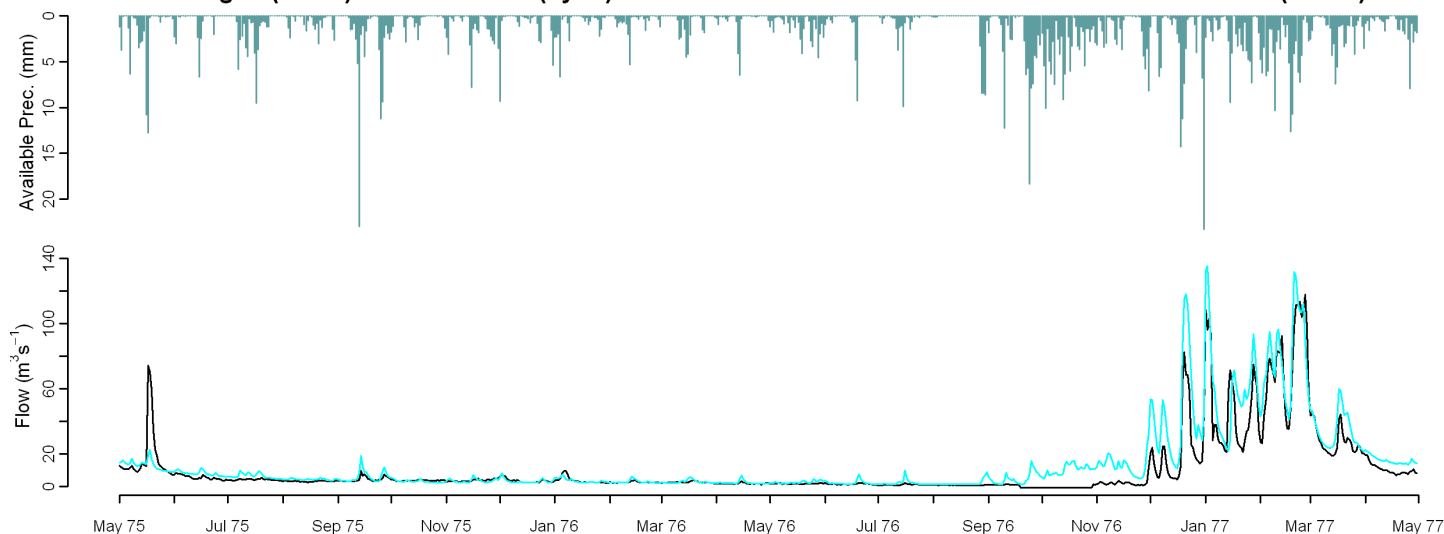
## Observed Data

## Comparison of gauged and simulated flow

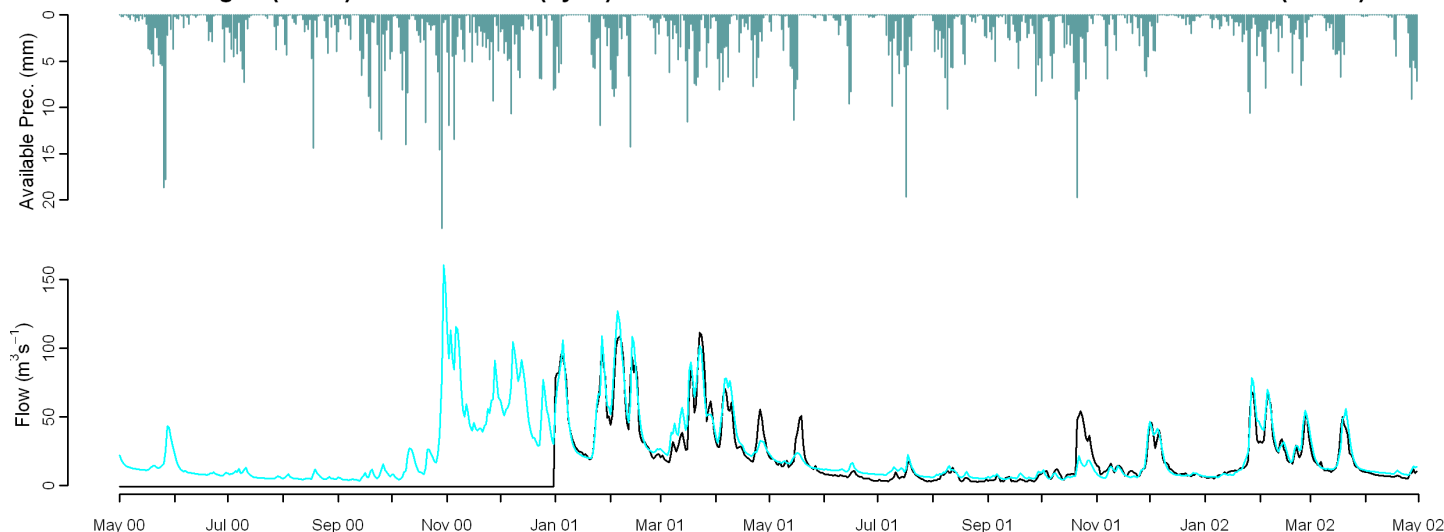
## Model used: CLASSIC

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	11.1	11.2	13.2	11.5	3.0	6.3	10.5	40.5	30.5	15.6	-2.7	18.6	16.0	0.89
Performance Band	2	2	2	2	1	1	2	3	3	2	1	2	2	1
FAO (1962-1991)	10.2	15.4	10.7	10.6	3.7	6.5	10.7	39.0	26.7	9.3	-9.5	17.8	15.3	0.88
	Q90	Q75	Q50	Q25	Q5				RP2	RP5	RP10	RP20		
MORECS (1971-2005)	24.9	43.4	30.1	13.7	6.9				6.3	9.9	15.1	21.7		
Performance Band	1	2	2	1	1									
FAO (1962-1991)	14.8	35.3	28.0	10.4	6.4				4.3	6.7	6.7	6.1		

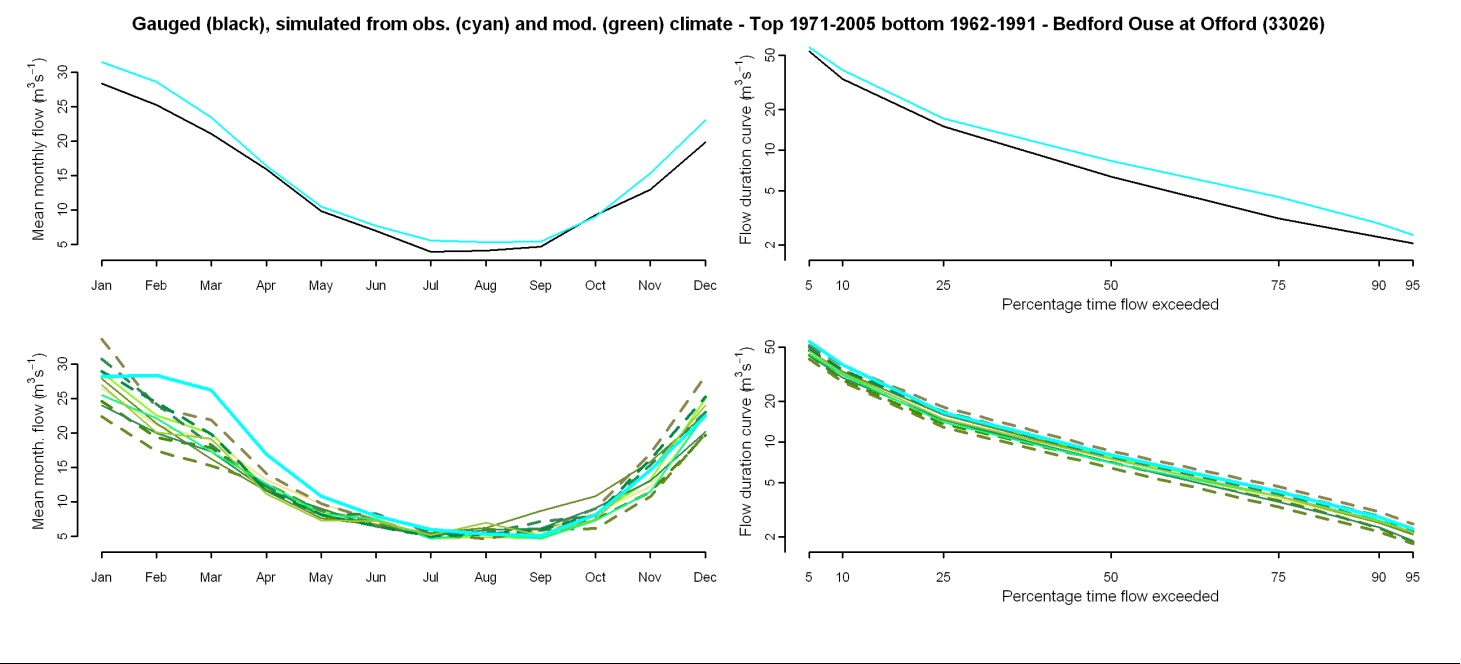
Gauged (black) and simulated (cyan) flows from observed climate - Bedford Ouse at Offord (33026)



Gauged (black) and simulated (cyan) flows from observed climate - Bedford Ouse at Offord (33026)



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	-9	-20	-12	3	-11	-23	-17	-4	-15	-7	-13
January	6	-15	-5	17	3	-22	-14	8	-8	5	-5
April	-28	-33	-18	-13	-31	-28	-29	-25	-23	-30	-31
July	-17	-10	-14	-12	-10	-11	-12	-4	-20	-16	-13
October	5	-7	6	21	22	-21	14	9	-3	2	-9
Q90	0	-19	-9	12	-11	-22	-16	-6	-6	0	-9
Q75	0	-16	-10	11	-11	-23	-17	-3	-6	-1	-10
Q50	-4	-15	-11	9	-9	-20	-12	0	-11	-2	-8
Q25	-3	-20	-10	11	-7	-23	-13	2	-13	0	-12
Q5	-15	-24	-15	-6	-16	-26	-22	-7	-18	-15	-17
RP2	-16	-18	-16	-7	-13	-20	-15	-13	-16	-16	-18
RP10	-8	-1	5	5	8	-7	10	-4	-8	7	1

Climate change graphs for 2050s

