

## General Information

River Name	Dollis Brook	Catchment Area (km <sup>2</sup> )	25
Station Name	Hendon Lane Bridge	SAAR (mm) 61-90	689
Station Number	39092	Mean Annual Rain (mm) 62-91	704
Grid Reference	TQ240895	Mean Annual PE (mm) 62-91	678
EA Region	EA-SE	Observed flow record	1979 to 2005



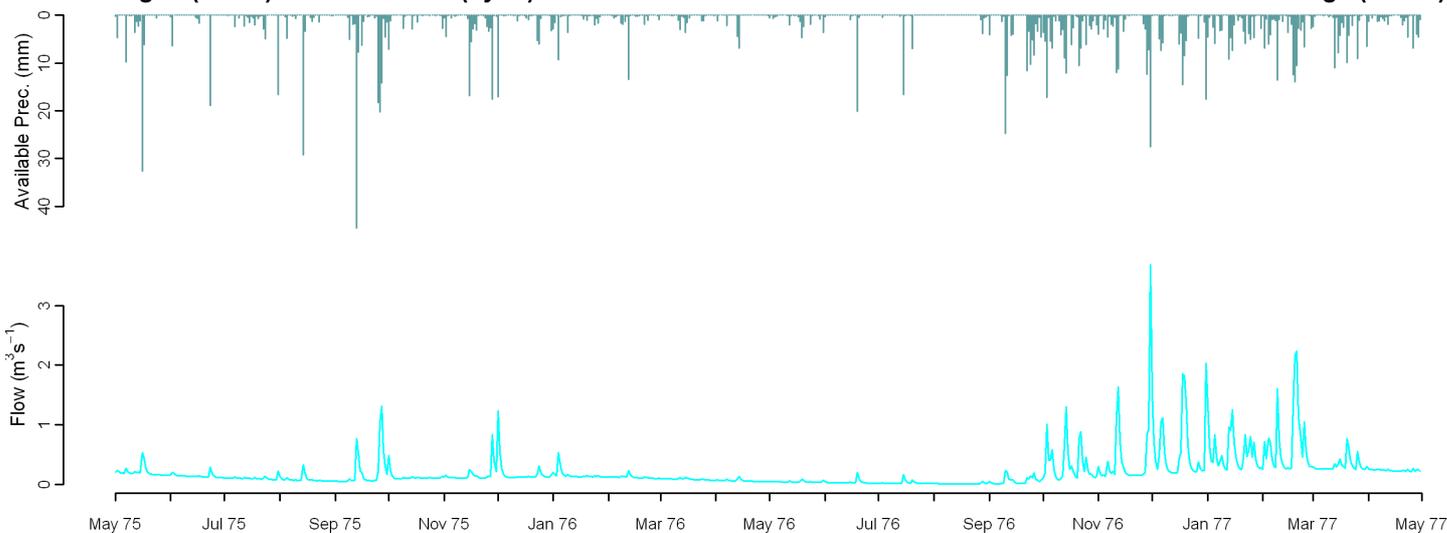
## Observed Data

## Comparison of gauged and simulated flow

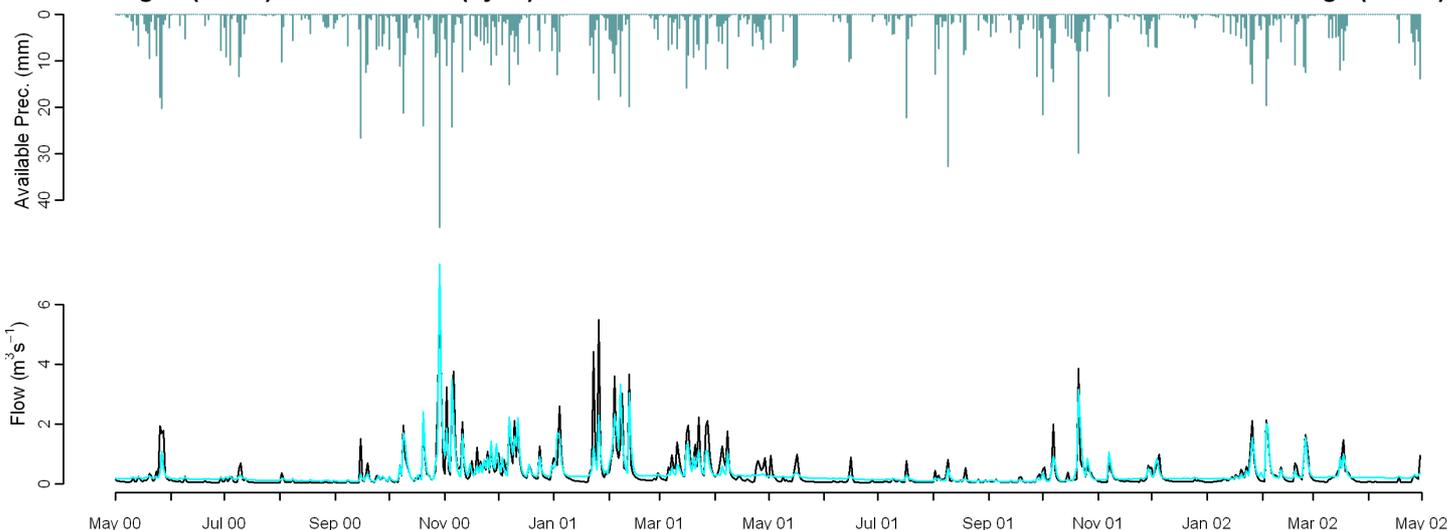
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-6.8	-1.1	-0.2	-15.4	-14.2	-5.2	-8.2	-3.2	-6.1	-15.0	-4.3	-5.2	-2.5	0.64
Performance Band	2	1	1	2	2	1	1	1	1	1	2	2	2	2
MORECS (1962-1991)	-18.1	-8.6	-3.7	-33.2	-15.1	-17.1	-14.7	-12.7	-6.8	-8.0	-12.3	-28.7	-8.7	0.57
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	34.6	65.1	57.0	-3.7	-24.7									
Performance Band	1	1	3	3	2									
MORECS (1962-1991)	40.8	56.6	47.8	-10.9	-34.8									

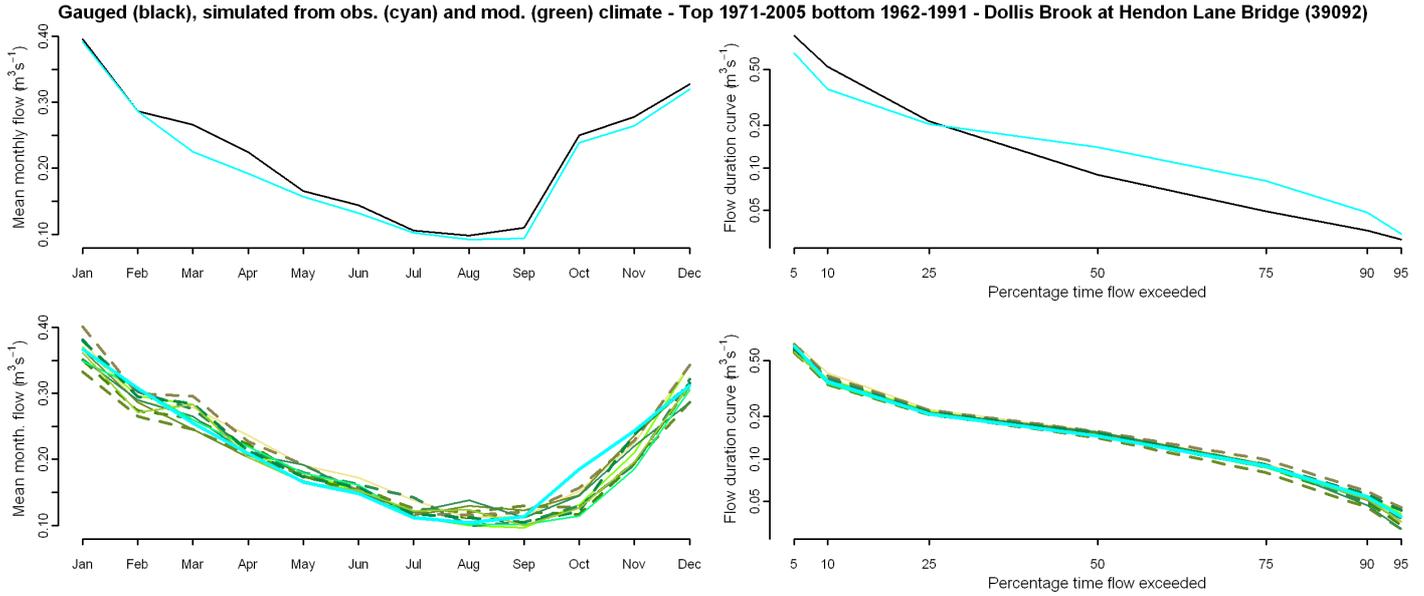
Gauged (black) and simulated (cyan) flows from observed climate - Dollis Brook at Hendon Lane Bridge (39092)



Gauged (black) and simulated (cyan) flows from observed climate - Dollis Brook at Hendon Lane Bridge (39092)



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	-3	5	7	0	-6	1	2	-4	2	-2
January	0	-7	7	9	1	-8	-7	5	-5	7	-1
April	1	2	18	12	-1	-3	4	6	6	3	0
July	4	9	28	9	0	12	12	29	3	6	10
October	-26	-36	-18	-9	-26	-32	-20	-31	-36	-33	-31
Q90	3	-12	-2	14	-11	-20	-11	-6	-4	3	-4
Q75	3	-3	5	13	-2	-14	3	2	-4	3	0
Q50	3	-1	8	9	1	-5	6	5	0	4	1
Q25	5	-3	8	8	1	-2	3	5	-1	3	1
Q5	-5	-10	4	3	-5	-13	-4	0	-6	-5	-11
RP2	-16	-14	0	-8	-5	2	-10	-9	-8	6	-4
RP10	-10	21	20	-1	7	19	7	0	0	22	9

Climate change graphs for 2050s

