

General Information

River Name	Isbourne	Catchment Area (km2)	91
Station Name	Hinton on the Green	SAAR (mm) 61-90	701
Station Number	54036	Mean Annual Rain (mm) 62-91	702
Grid Reference	SP023408	Mean Annual PE (mm) 62-91	612
EA Region	EA-M	Observed flow record	1972 to 2005



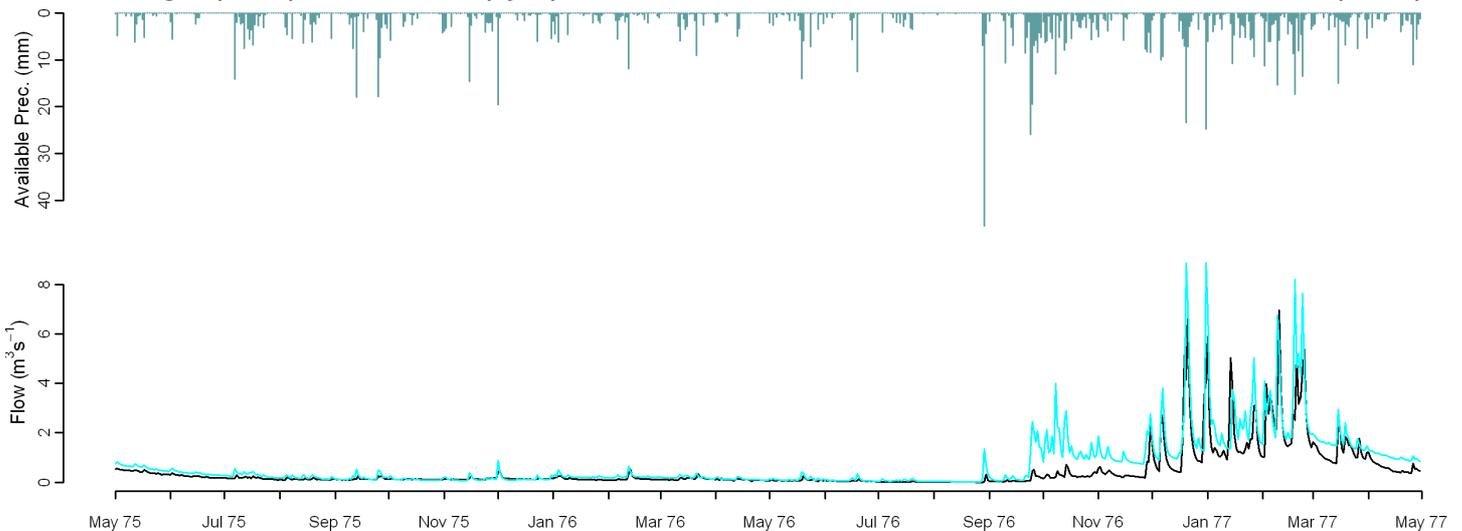
Observed Data

Comparison of gauged and simulated flow

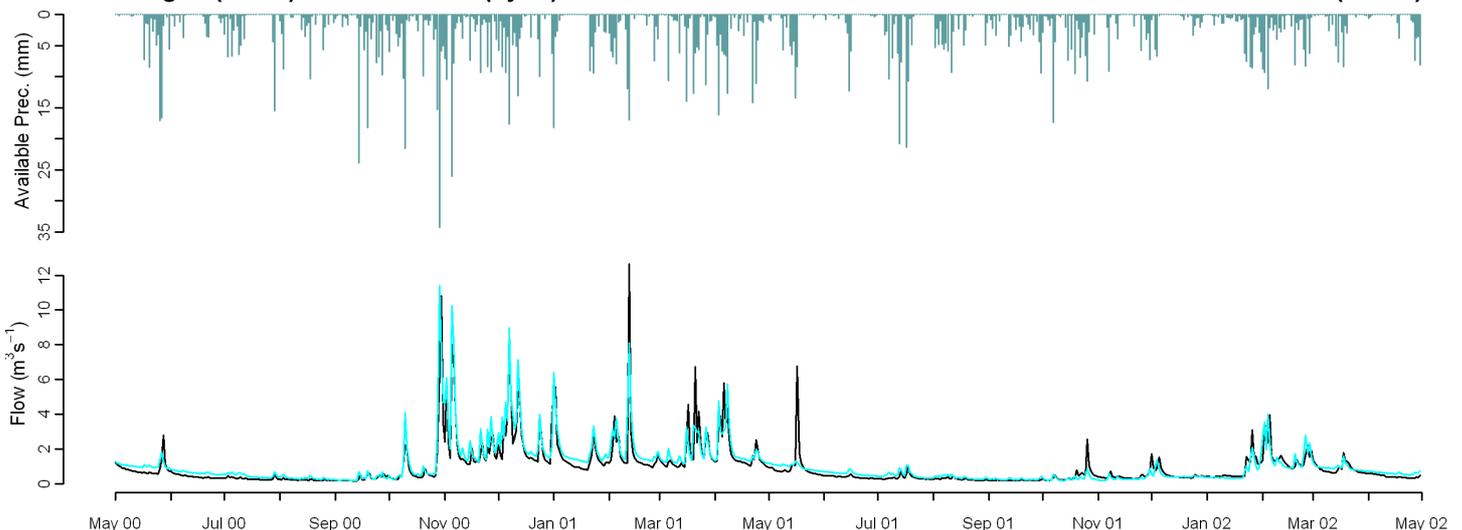
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	20.6	15.0	23.4	10.6	11.7	20.1	37.6	60.7	48.4	39.5	27.2	21.3	16.5	0.64
Performance Band	2	2	2	2	1	2	3	3	3	3	2	1	2	2
MORECS (1962-1991)	20.7	8.5	21.3	6.7	22.0	25.8	39.4	72.9	59.1	60.5	47.0	13.2	10.4	0.61
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	39.3	57.9	56.0	31.4	15.5									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	39.8	64.9	78.9	35.6	16.3									

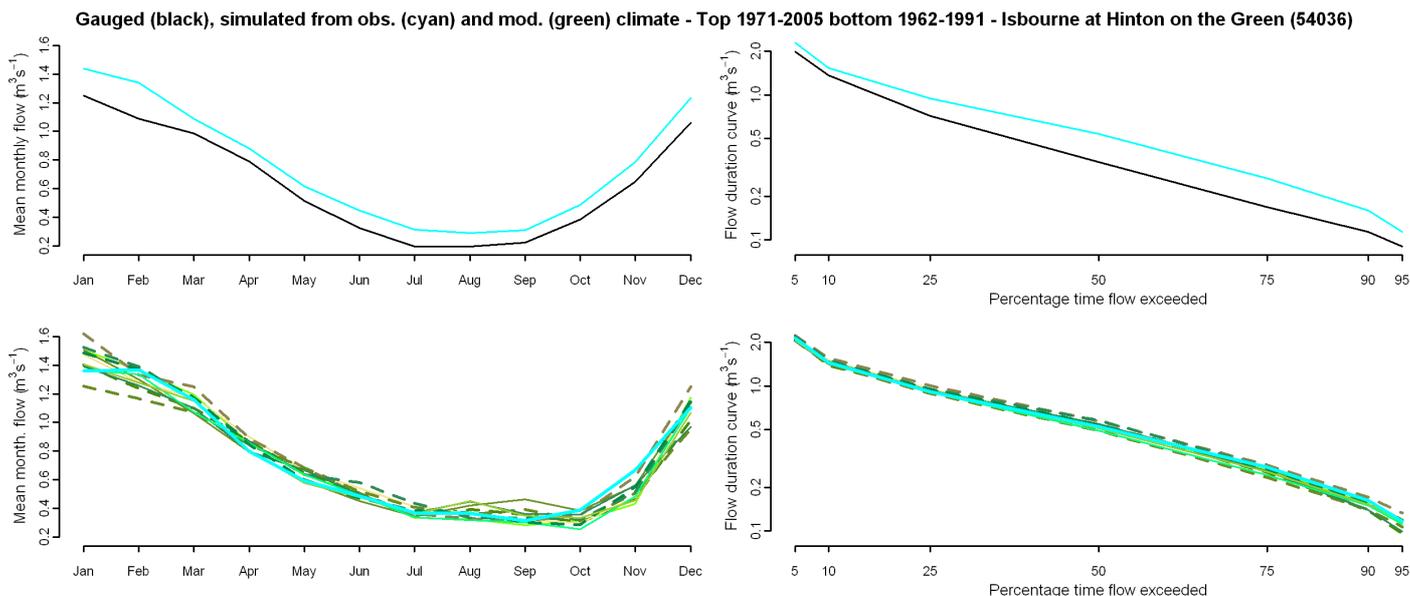
Gauged (black) and simulated (cyan) flows from observed climate - Isbourne at Hinton on the Green (54036)



Gauged (black) and simulated (cyan) flows from observed climate - Isbourne at Hinton on the Green (54036)



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	2	-5	2	7	0	-5	-2	5	-3	0	-3
January	12	-1	12	19	11	-8	-1	14	2	7	4
April	7	3	17	15	1	4	1	13	10	6	3
July	-5	-4	15	1	-9	9	4	22	-5	4	-2
October	-16	-22	-22	-4	-9	-16	-5	-12	-30	-26	-14
Q90	-7	-18	-2	6	-19	-15	-12	-3	-10	-7	-7
Q75	-5	-11	-2	6	-7	-16	-6	3	-12	-5	-7
Q50	1	-2	3	11	0	-7	4	12	-4	2	-3
Q25	3	-3	5	11	0	-5	1	6	-1	3	-2
Q5	-2	-7	1	5	-3	-5	-6	5	-1	-5	-6
RP2	-7	-14	-4	-7	-8	-5	-7	-11	-5	1	-9
RP10	-15	-18	12	-12	9	-1	2	-6	5	16	0

Climate change graphs for 2050s

