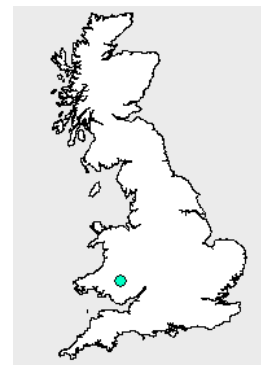


General Information

River Name	Honddu	Catchment Area (km2)	62
Station Name	The Forge Brecon	SAAR (mm) 61-90	1170
Station Number	56003	Mean Annual Rain (mm) 62-91	1168
Grid Reference	SO051297	Mean Annual PE (mm) 62-91	549
EA Region	EA-W	Observed flow record	1963 to 1984



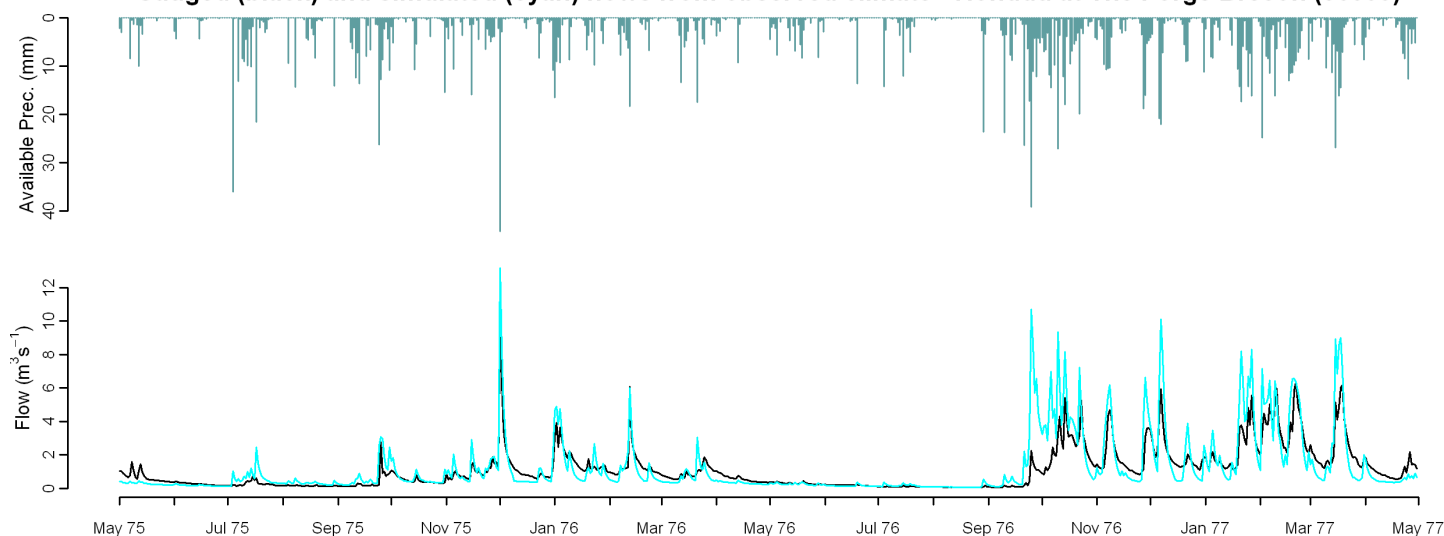
Observed Data

Comparison of gauged and simulated flow

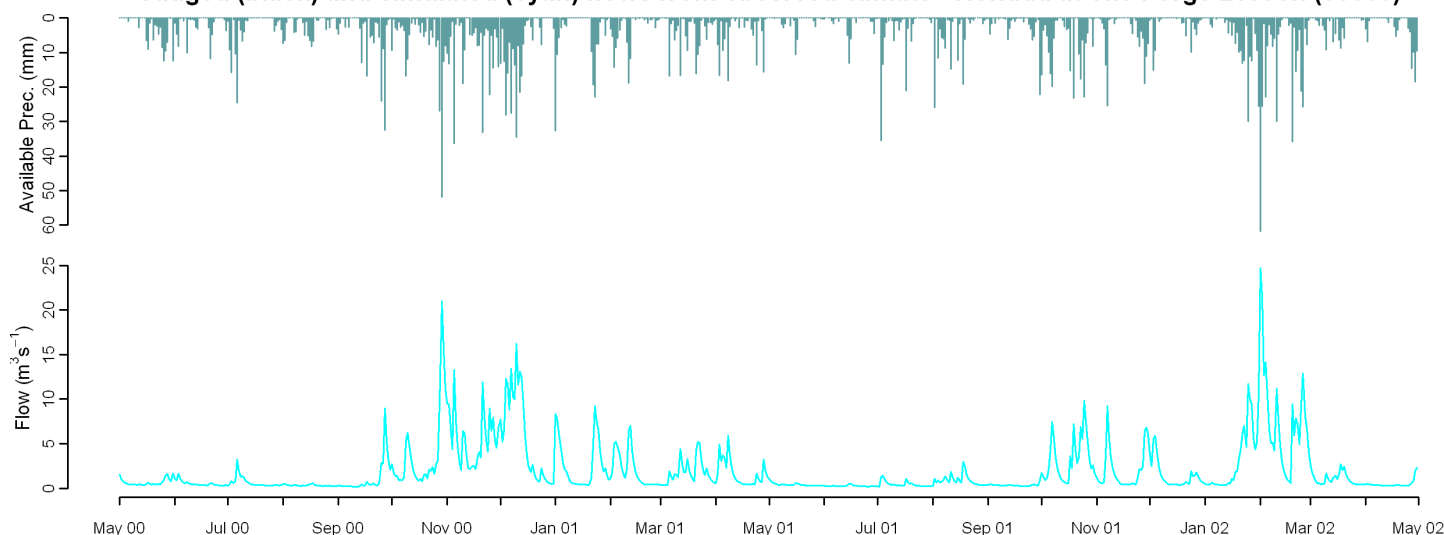
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	0.4	2.6	-7.3	-3.0	-34.3	-32.4	-25.1	0.6	27.9	58.9	17.8	7.8	3.0	0.65
Performance Band	1	1	1	1	3	3	2	1	2	3	1	1	1	1
MORECS (1962-1991)	-3.9	1.6	-6.1	-9.7	-35.4	-34.4	-27.8	2.4	12.0	37.1	7.5	0.1	0.5	0.70
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	13.9	-8.4	-48.1	-13.3	39.1									
Performance Band	1	1	2	2	2									
MORECS (1962-1991)	-1.1	-21.9	-50.8	-18.1	26.7									

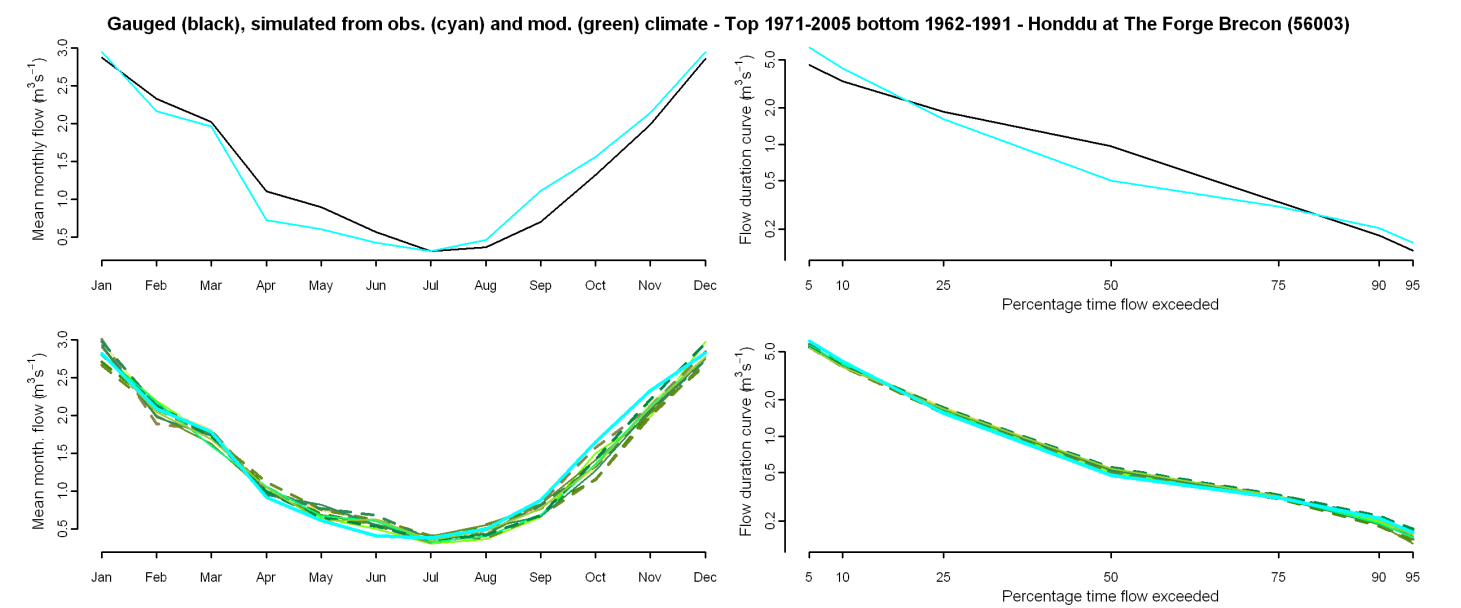
Gauged (black) and simulated (cyan) flows from observed climate - Honddu at The Forge Brecon (56003)



Gauged (black) and simulated (cyan) flows from observed climate - Honddu at The Forge Brecon (56003)



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	-4	0	2	-2	-4	-3	0	-3	-2	-2
January	2	-5	9	5	4	-2	3	7	-2	-2	4
April	10	8	13	17	5	23	6	11	14	7	15
July	-16	-7	7	-10	2	11	-3	-4	-13	-8	-8
October	-10	-26	-23	-2	-18	-26	-16	-17	-16	-13	-21
Q90	-5	-15	-4	-2	-16	-11	-10	2	-10	1	-3
Q75	1	-3	3	6	-2	-1	0	6	1	4	3
Q50	8	3	12	14	7	7	12	10	3	15	12
Q25	8	-1	12	12	6	4	10	10	3	12	8
Q5	-7	-7	-9	-5	-8	-11	-10	-5	-8	-12	-11
RP2	-9	2	-7	3	-6	-4	-2	-4	4	0	-5
RP10	-2	12	-3	8	3	4	7	5	16	9	9

Climate change graphs for 2050s

