

General Information

River Name	Senni	Catchment Area (km ²)	20
Station Name	Pont Hen Hafod	SAAR (mm) 61-90	1964
Station Number	56007	Mean Annual Rain (mm) 62-91	2007
Grid Reference	SN928255	Mean Annual PE (mm) 62-91	572
EA Region	EA-W	Observed flow record	1967 to 2005



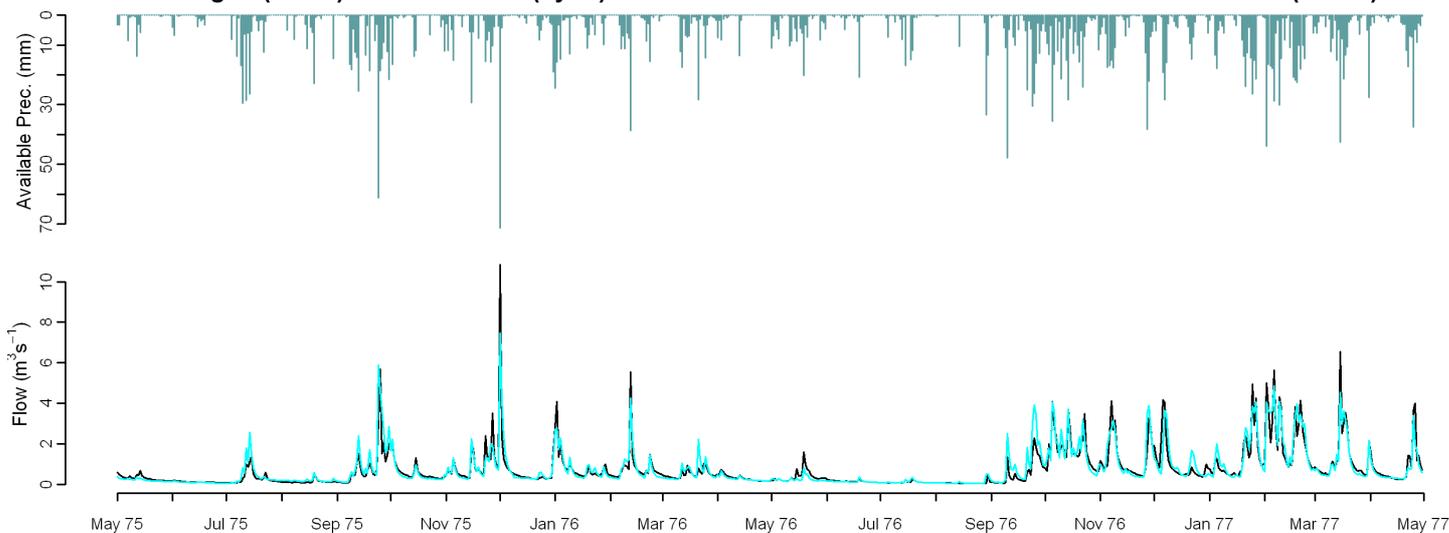
Observed Data

Comparison of gauged and simulated flow

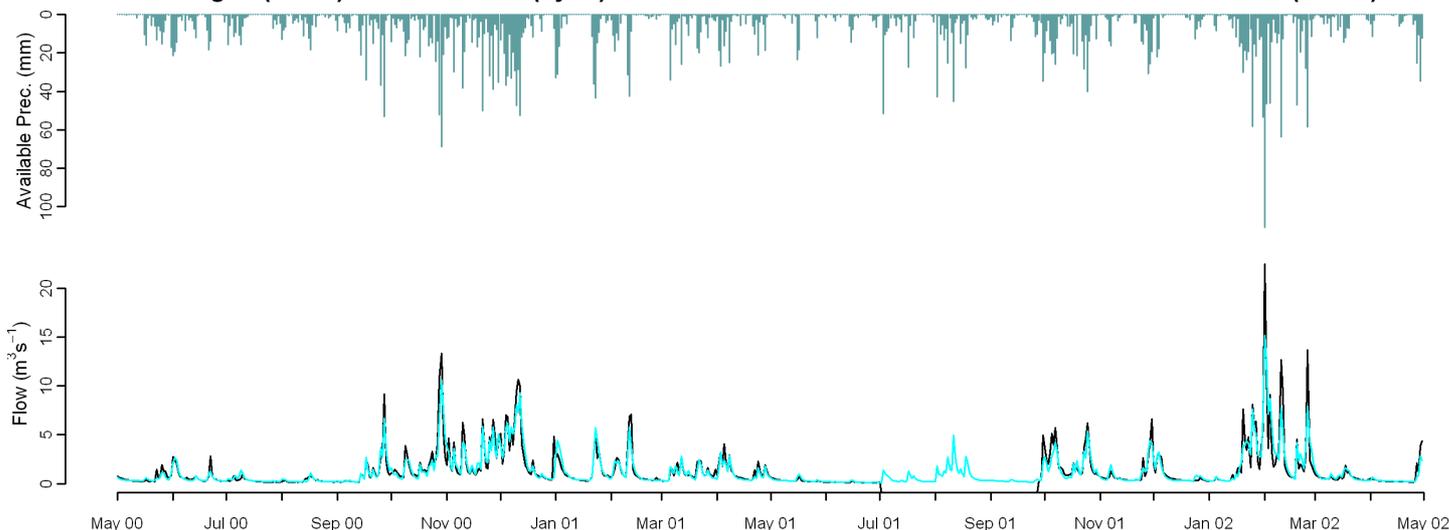
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-2.5	-1.0	-4.7	-2.7	-10.7	-16.6	-12.4	-0.4	6.0	6.7	-1.5	-0.1	-1.6	0.84
Performance Band	1	1	2	1	2	2	1	1	2	1	2	1	1	1
MORECS (1962-1991)	-2.5	1.0	-4.6	-2.0	-9.4	-18.5	-10.5	-2.4	5.4	7.9	-0.9	-0.9	-3.3	0.85
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	10.8	2.3	-16.1	4.5	0.9									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	10.3	1.7	-17.3	4.5	4.8									

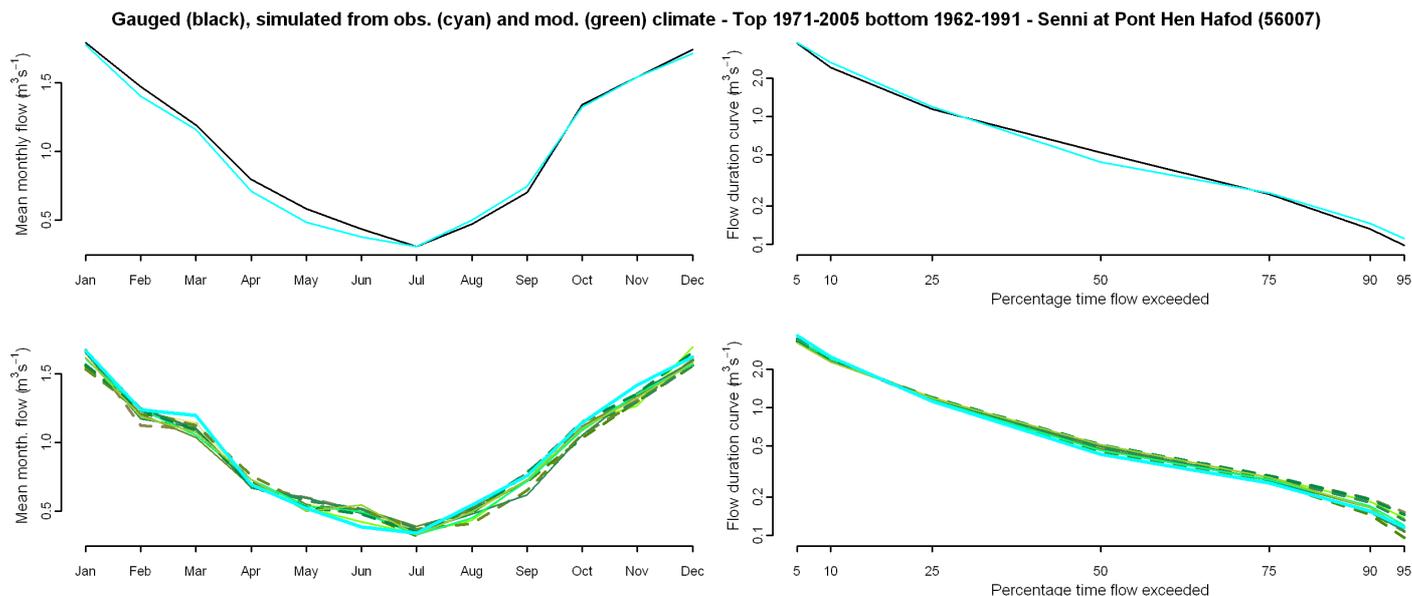
Gauged (black) and simulated (cyan) flows from observed climate - Senni at Pont Hen Hafod (56007)



Gauged (black) and simulated (cyan) flows from observed climate - Senni at Pont Hen Hafod (56007)



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

Climate change graphs for 2050s

