Catchment Fact Sheet 64002 Future Flows and Groundwater Levels

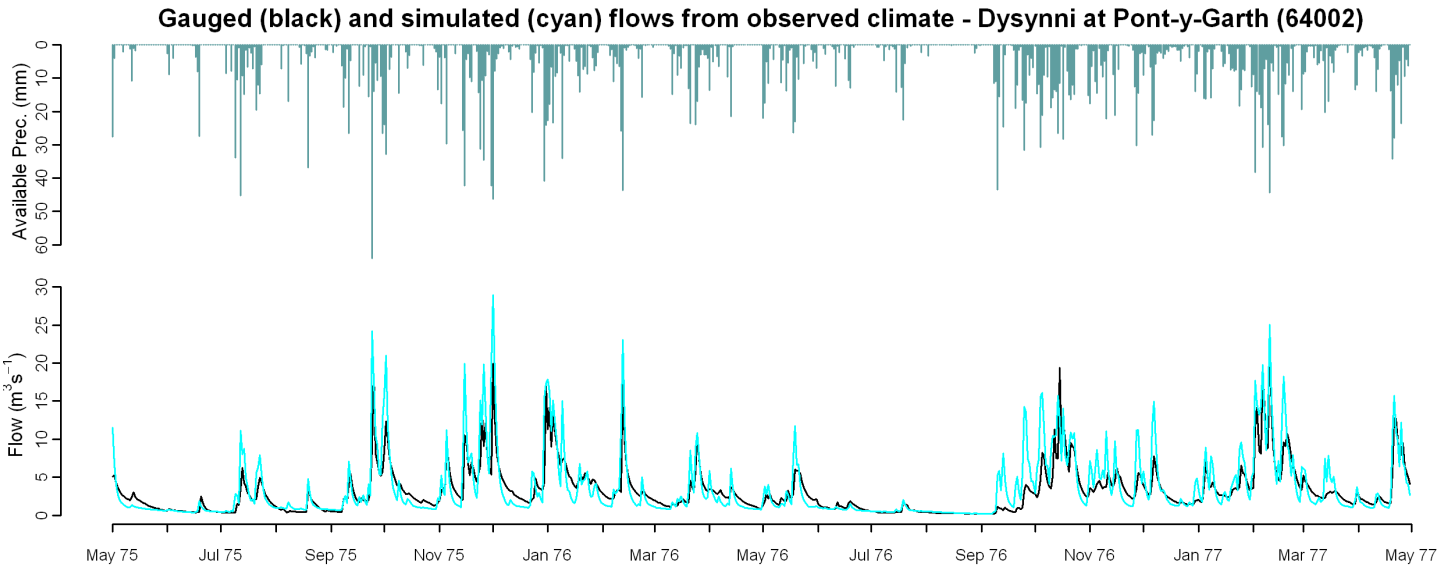
General Information

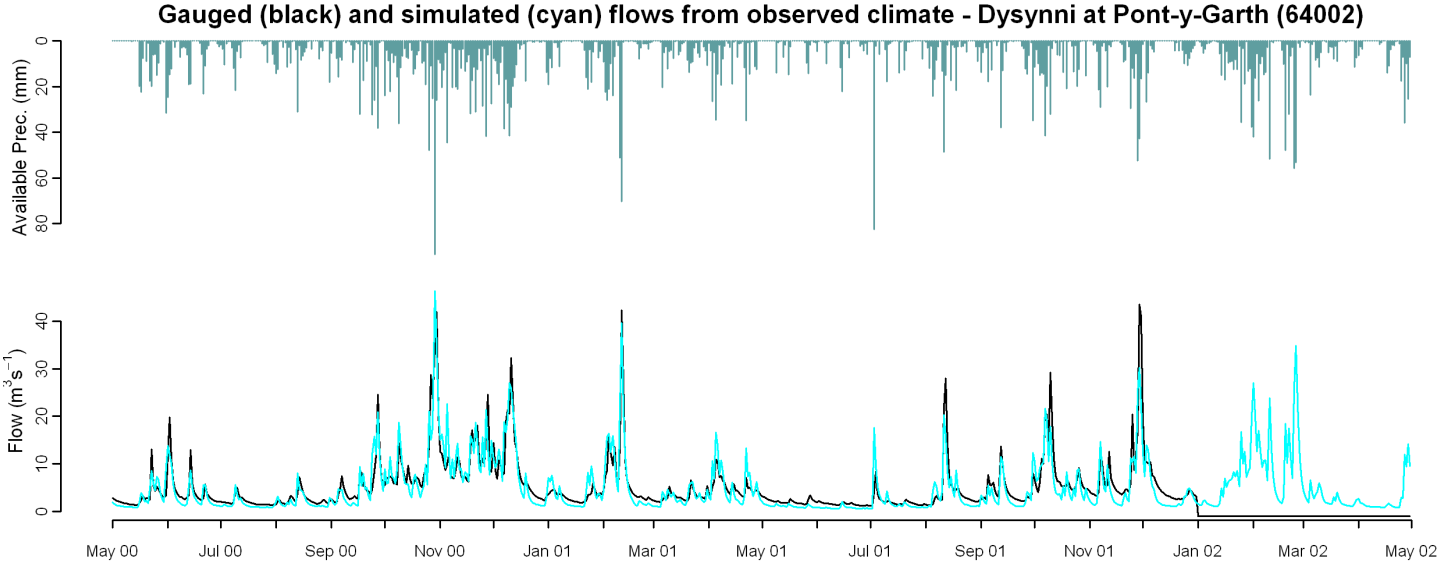
River Name	Dysynni	Catchment Area (km2)	75
Station Name	Pont-y-Garth	SAAR (mm) 61-90	2175
Station Number	64002	Mean Annual Rain (mm) 62-91	2207
Grid Reference	SH632066	Mean Annual PE (mm) 62-91	509
EA Region	EA-W	Observed flow record	1966 to 2001

Observed Data Comparison of gauged and simulated flow Model used: CERF

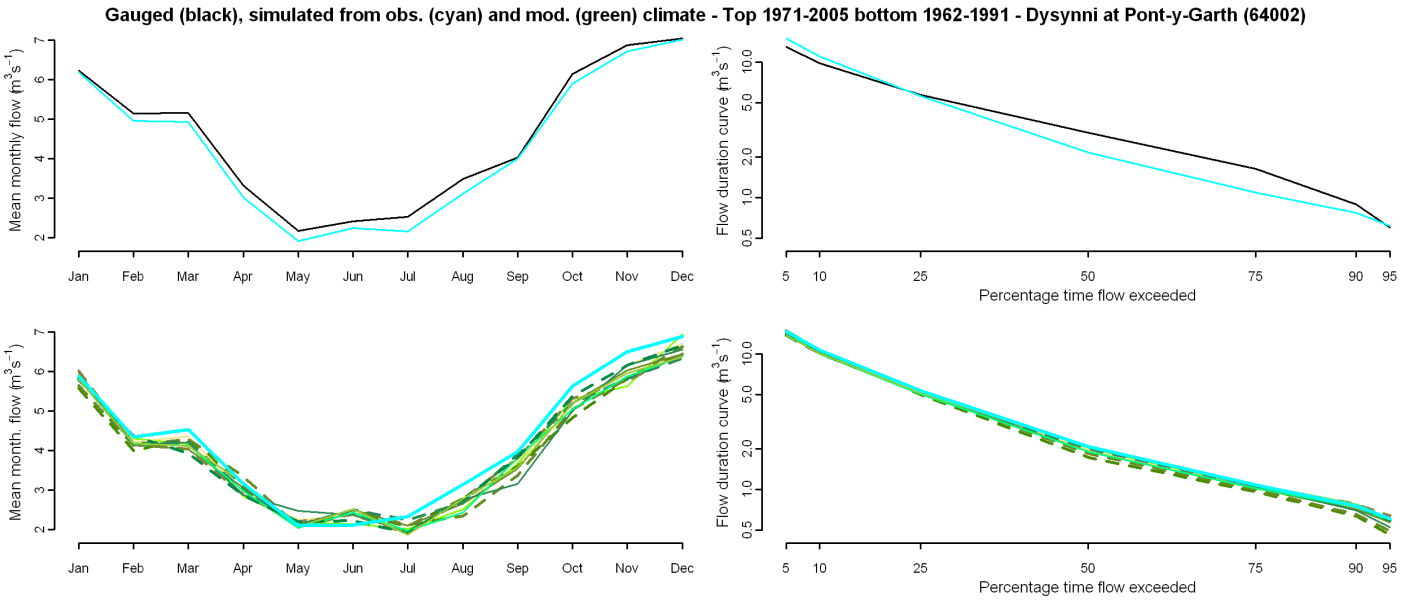
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-4.3	-0.7	-3.5	-4.2	-9.0	-12.0	-6.8	-14.8	-10.5	-0.9	-3.9	-2.3	-0.4	0.66
Performance Band	1	1	1	1	1	2	1	2	2	1	1	1	1	2
MORECS (1962-1991)	-2.5	-0.1	-4.1	-1.6	-7.3	-12.9	-5.5	-13.1	-10.1	4.1	1.8	0.7	1.3	0.60

	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20
MORECS (1971-2005)	-13.8	-33.3	-28.4	-1.7	15.3				
Performance Band	1	1	1	2	1				
MORECS (1962-1991)	-12.6	-34.4	-30.0	-0.8	22.2				





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

Climate change graphs for 2050s