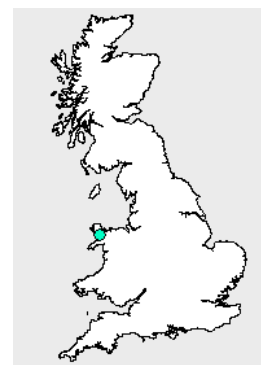


General Information

River Name	Seiont	Catchment Area (km2)	74
Station Name	Peblig Mill	SAAR (mm) 61-90	2235
Station Number	65006	Mean Annual Rain (mm) 62-91	2227
Grid Reference	SH493623	Mean Annual PE (mm) 62-91	600
EA Region	EA-W	Observed flow record	1976 to 2005



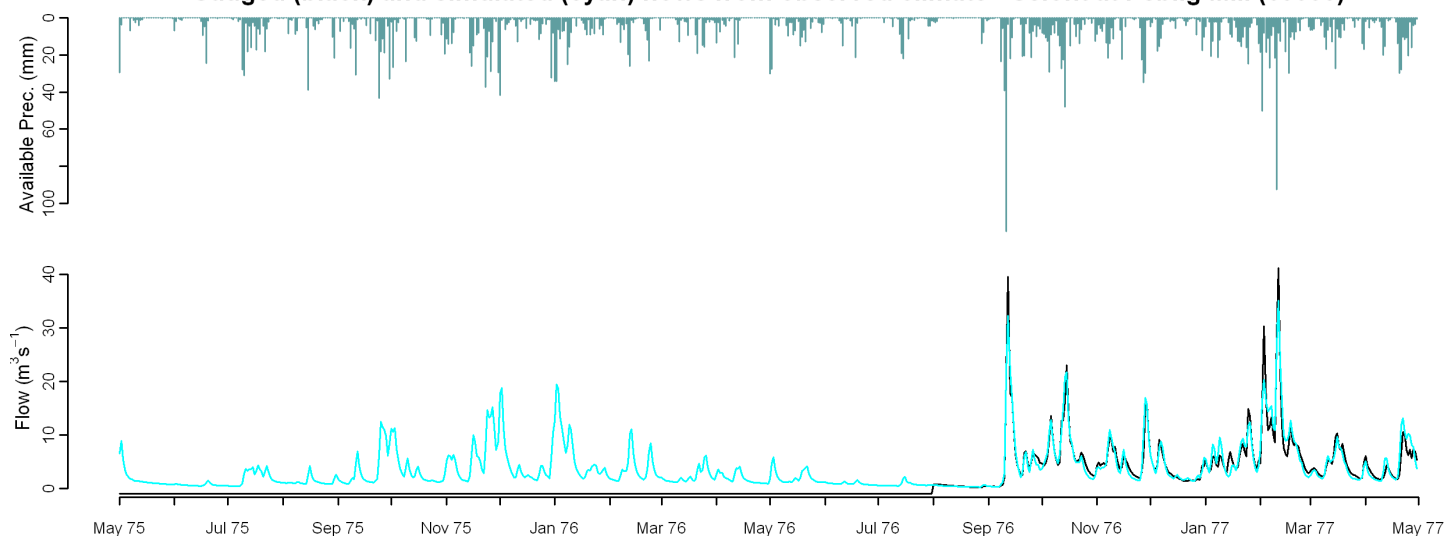
Observed Data

Comparison of gauged and simulated flow

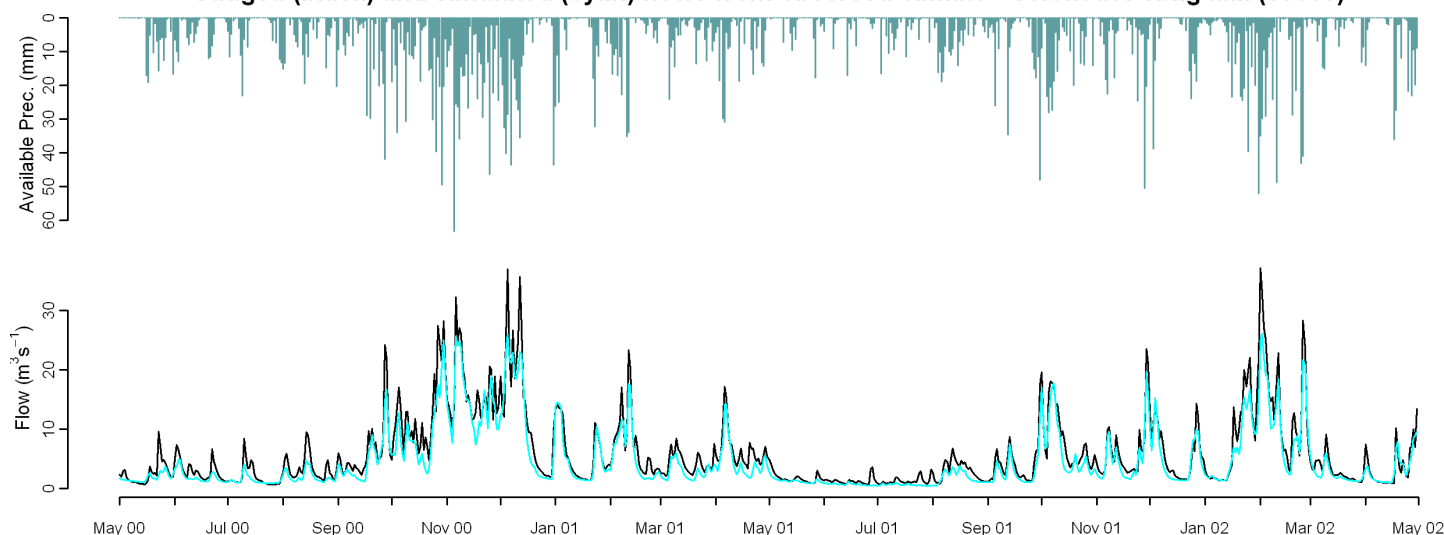
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-10.6	-9.7	-10.8	-9.3	-16.1	-21.5	-25.2	-18.2	-14.0	-8.4	-6.6	-4.3	-8.3	0.85
Performance Band	2	1	2	1	2	2	2	2	2	1	1	1	1	1
MORECS (1962-1991)	-2.5	2.9	-0.2	-1.6	-10.6	-17.0	-19.6	-9.5	-9.3	-0.6	0.4	3.7	-4.1	0.85
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-6.6	-20.7	-23.5	-6.8	-8.1									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-0.8	-17.8	-18.8	3.5	-2.1									

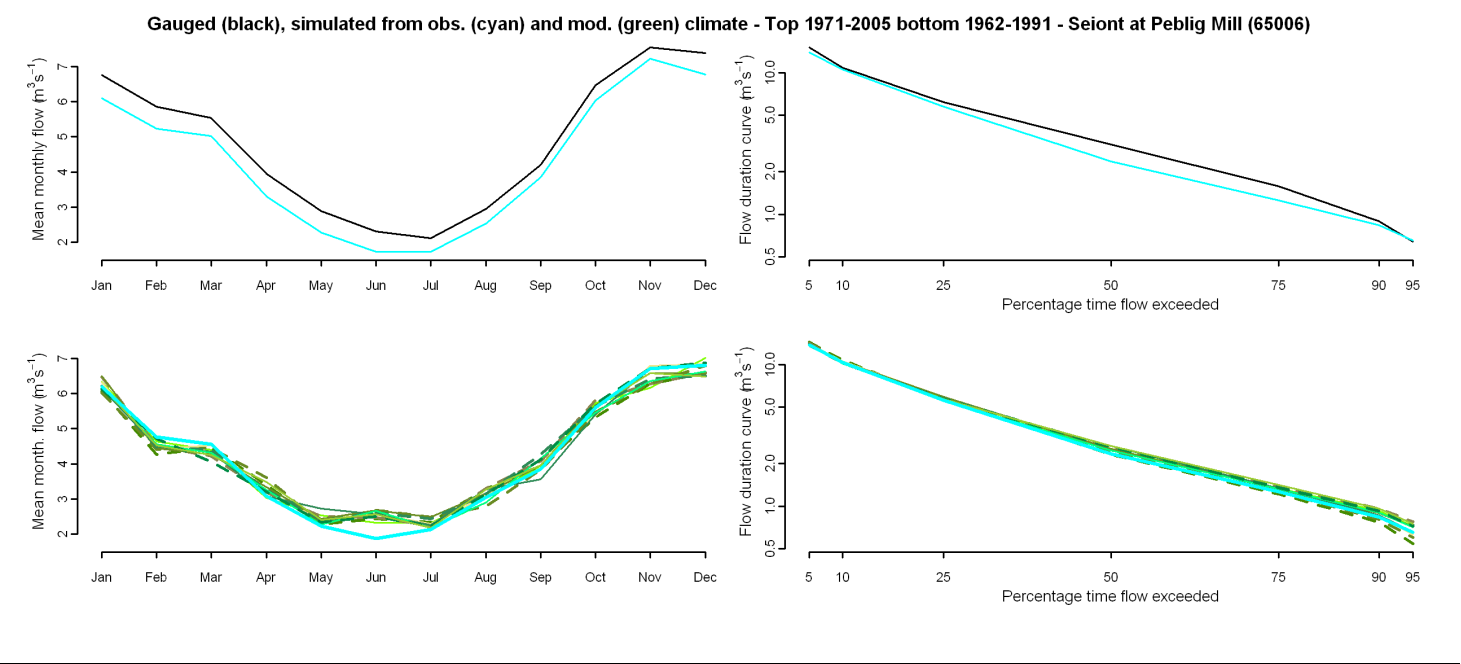
Gauged (black) and simulated (cyan) flows from observed climate - Seiont at Peblig Mill (65006)



Gauged (black) and simulated (cyan) flows from observed climate - Seiont at Peblig Mill (65006)



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	1	3	4	3	2	1	3	2	3	3
January	3	-2	3	4	6	1	-2	2	1	-4	5
April	-3	9	4	10	8	15	2	7	0	2	9
July	11	16	19	9	14	26	8	17	0	9	2
October	5	2	-5	7	2	0	5	1	-2	4	1
Q90	10	-8	-1	16	4	-4	1	13	6	9	16
Q75	7	-3	3	10	2	-1	6	9	4	6	12
Q50	9	0	8	11	6	4	13	12	6	10	14
Q25	3	1	5	1	4	4	1	3	0	0	1
Q5	0	5	1	3	-1	1	-2	1	1	0	-1
RP2	7	4	8	6	20	10	8	11	13	11	2
RP10	6	3	13	11	14	9	8	6	19	15	4

Climate change graphs for 2050s

