

General Information

River Name	Gala Water	Catchment Area (km ²)	207
Station Name	Galashiels	SAAR (mm) 61-90	931
Station Number	21013	Mean Annual Rain (mm) 62-91	946
Grid Reference	NT479374	Mean Annual PE (mm) 62-91	512
EA Region	SEPA-SE	Observed flow record	1964 to 2005



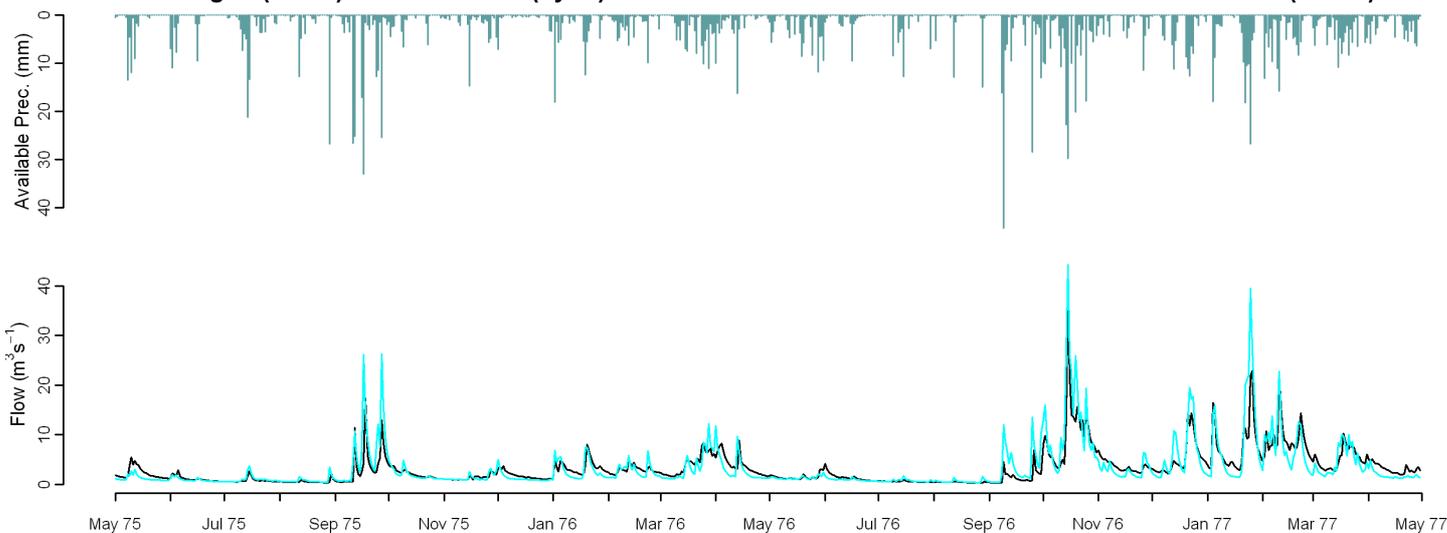
Observed Data

Comparison of gauged and simulated flow

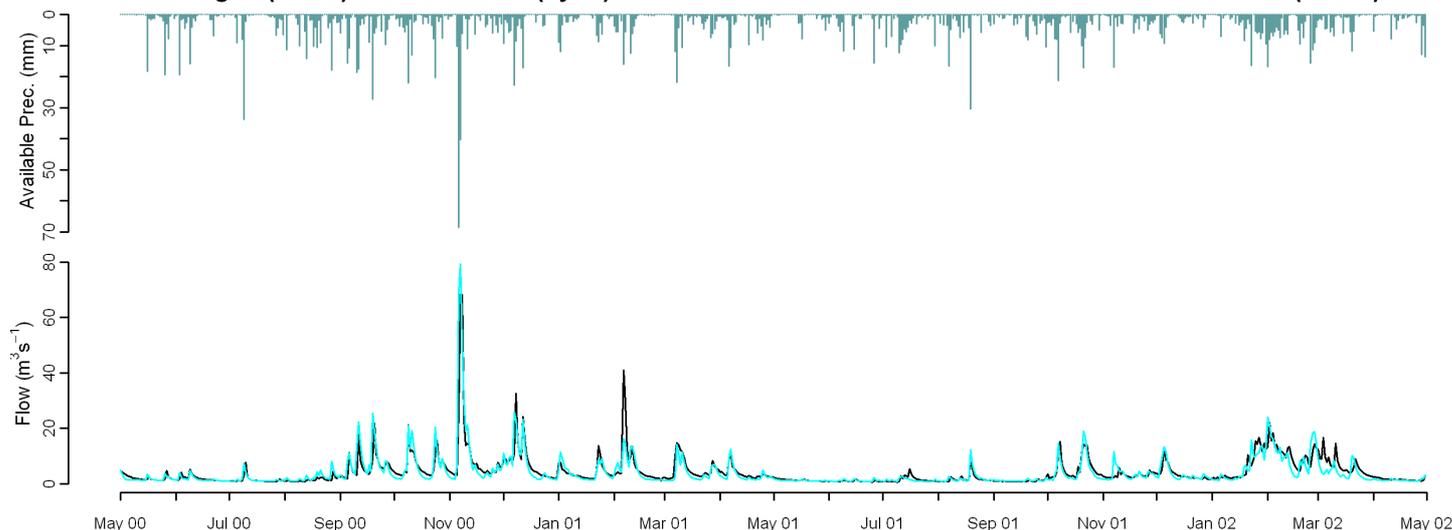
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-4.6	-6.6	-11.3	-14.1	-21.2	-21.8	-9.3	6.9	18.4	19.2	9.4	3.6	-2.5	0.69
Performance Band	1	1	2	2	2	2	1	2	2	2	1	1	1	1
MORECS (1962-1991)	-3.9	-2.2	-10.8	-12.9	-23.4	-19.3	-7.6	8.9	15.0	15.8	8.0	3.6	-2.8	0.68
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	8.6	-2.8	-29.6	-17.9	13.1									
Performance Band	1	1	1	1	2									
MORECS (1962-1991)	7.6	-5.4	-31.8	-17.5	15.6									

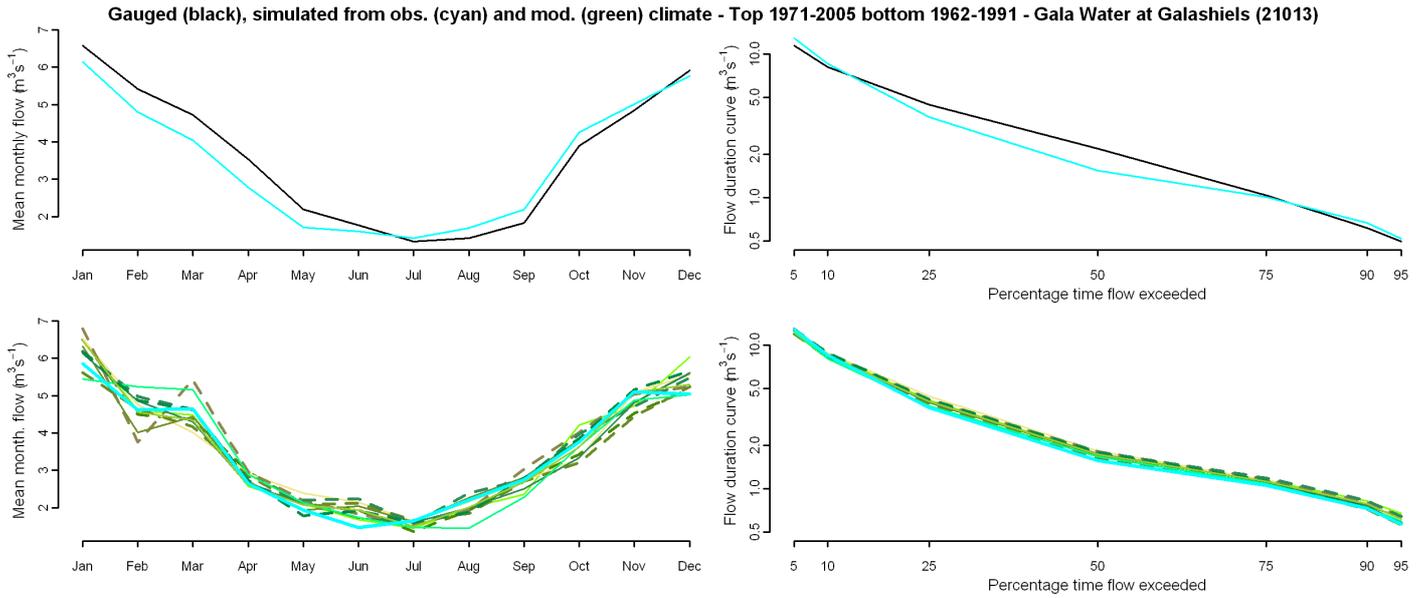
Gauged (black) and simulated (cyan) flows from observed climate - Gala Water at Galashiels (21013)



Gauged (black) and simulated (cyan) flows from observed climate - Gala Water at Galashiels (21013)



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	3	7	8	3	0	1	7	0	5	2
January	12	7	12	14	8	1	1	8	-6	2	13
April	-2	3	14	17	3	7	0	8	9	6	0
July	-9	-8	2	-6	-2	-8	0	-4	-10	-3	-9
October	12	-5	-12	12	1	-14	3	0	-3	3	0
Q90	13	5	5	10	-3	-3	3	12	0	-2	7
Q75	9	7	9	12	4	0	5	12	2	7	7
Q50	12	10	17	18	9	4	12	16	7	13	11
Q25	12	9	19	13	7	6	10	17	4	13	9
Q5	-1	-7	-3	2	-2	-4	-5	2	-4	-2	-5
RP2	-7	-4	-12	-2	6	-6	-3	-4	-3	-3	-7
RP10	-21	-13	-23	-18	-4	-20	-24	-14	-12	-10	-7

Climate change graphs for 2050s

