

General Information

River Name	Teviot	Catchment Area (km ²)	323
Station Name	Hawick	SAAR (mm) 61-90	1147
Station Number	21012	Mean Annual Rain (mm) 62-91	1169
Grid Reference	NT522159	Mean Annual PE (mm) 62-91	472
EA Region	SEPA-SE	Observed flow record	1963 to 2005



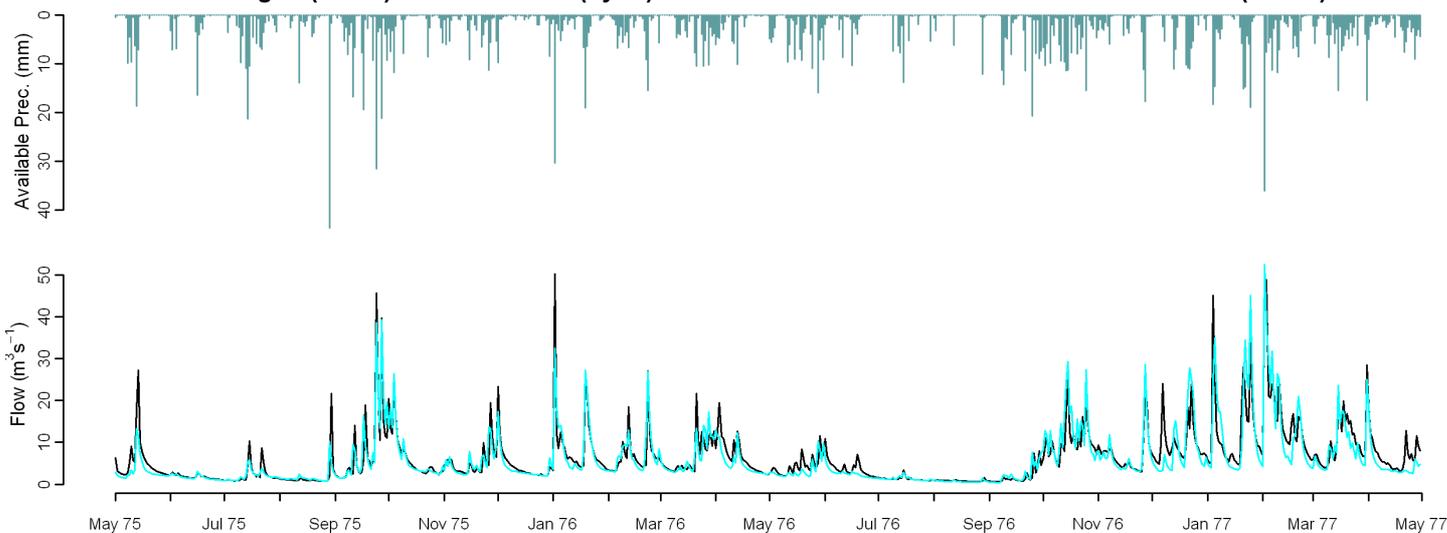
Observed Data

Comparison of gauged and simulated flow

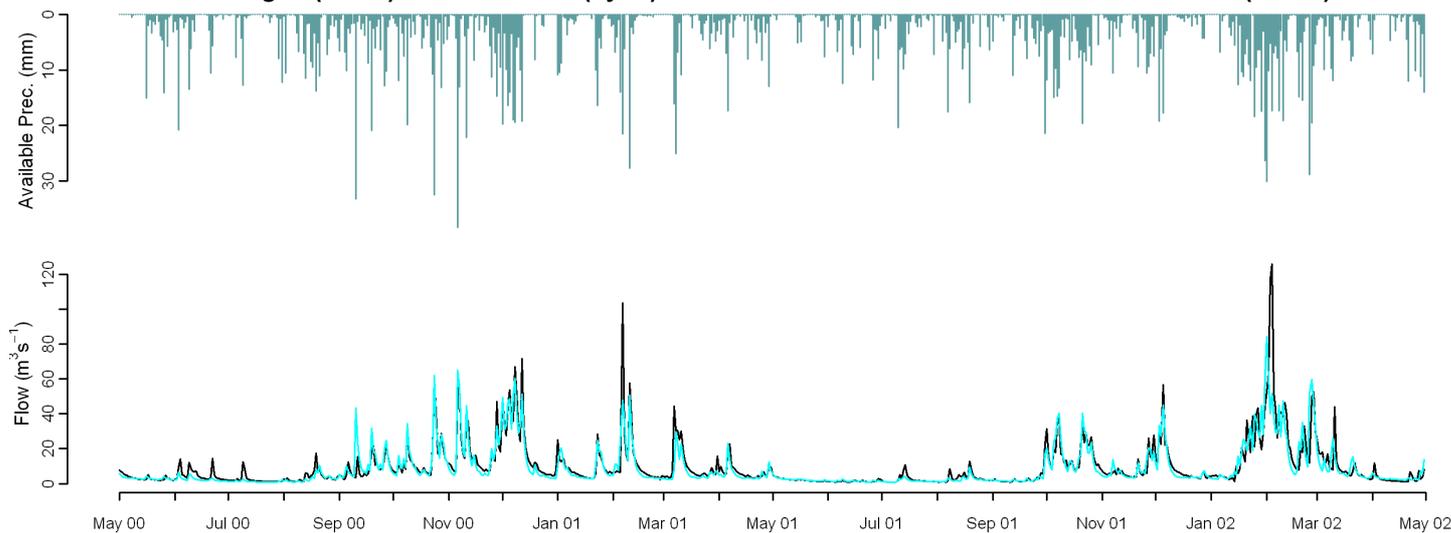
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-7.8	-5.8	-9.1	-12.1	-15.0	-24.2	-20.9	-12.1	-8.9	-4.5	-1.9	-1.3	-3.8	0.80
Performance Band	1	1	2	2	2	2	2	1	2	1	2	1	1	1
MORECS (1962-1991)	-9.5	-5.5	-9.1	-13.5	-21.6	-26.1	-23.8	-11.4	-6.1	-5.5	-6.3	-0.8	-7.4	0.79
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	-3.8	-4.8	-24.2	-15.5	3.6									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-4.3	-9.1	-26.1	-15.7	3.0									

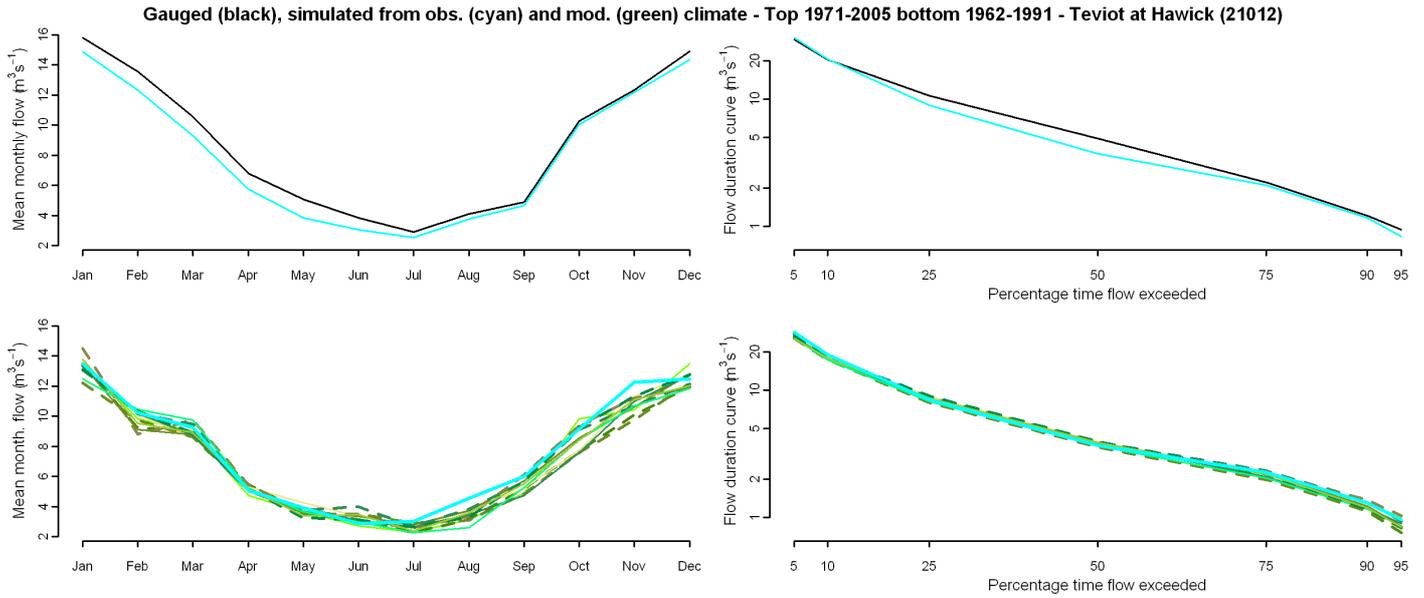
Gauged (black) and simulated (cyan) flows from observed climate - Teviot at Hawick (21012)



Gauged (black) and simulated (cyan) flows from observed climate - Teviot at Hawick (21012)



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	-3	-6	-3	1	-4	-7	-6	0	-6	-3	-5
January	1	-2	1	5	-1	-5	-5	0	-7	-6	6
April	-5	-2	7	15	-1	3	1	6	0	5	1
July	-21	-15	-17	-12	-8	-15	-12	-10	-24	-13	-21
October	7	-12	-19	5	-7	-16	-5	-5	-7	2	-8
Q90	2	-11	-7	6	-12	-13	-11	-1	-11	-16	-9
Q75	-2	-8	-3	3	-6	-14	-9	2	-11	-4	-4
Q50	4	-1	5	8	1	-3	4	6	-1	7	5
Q25	2	-4	4	6	-2	-5	1	5	-4	6	2
Q5	-9	-10	-10	-3	-9	-9	-9	-4	-10	-8	-12
RP2	-15	-10	-10	-7	-9	-14	-14	-11	-5	-9	-10
RP10	-8	-6	-3	-6	7	-11	-14	-2	2	3	2

Climate change graphs for 2050s

