

General Information

River Name	Clyde	Catchment Area (km ²)	1093
Station Name	Hazelbank	SAAR (mm) 61-90	1164
Station Number	84003	Mean Annual Rain (mm) 62-91	1178
Grid Reference	NS835452	Mean Annual PE (mm) 62-91	462
EA Region	SEPA-SW	Observed flow record	1961 to 2005



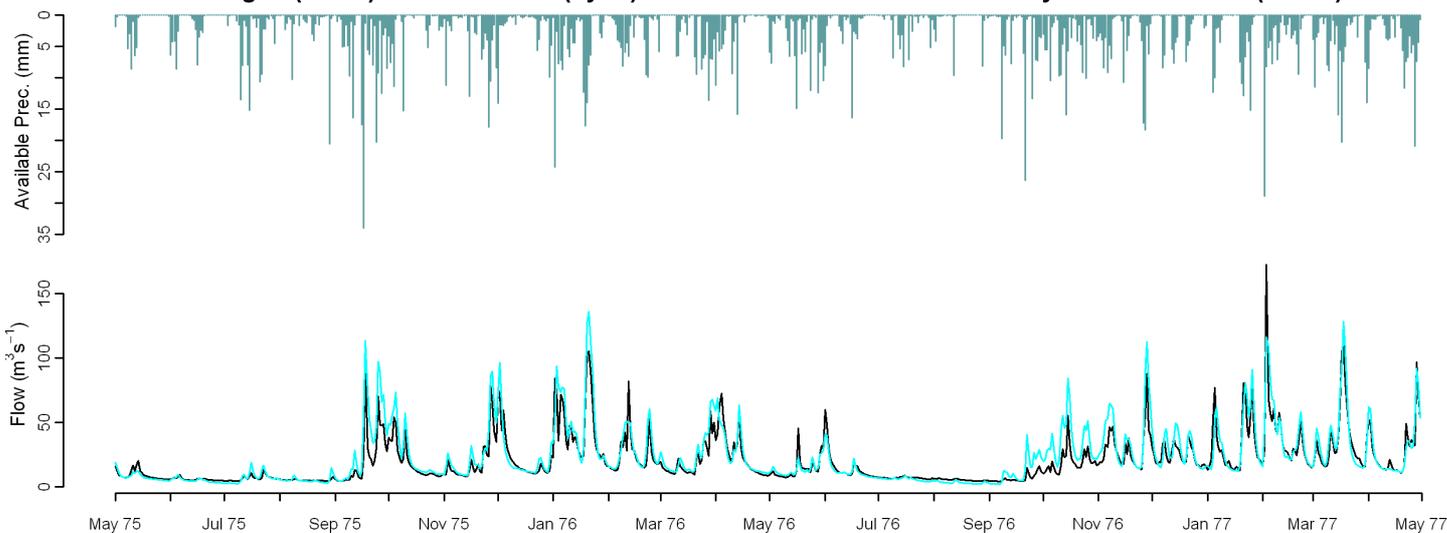
Observed Data

Comparison of gauged and simulated flow

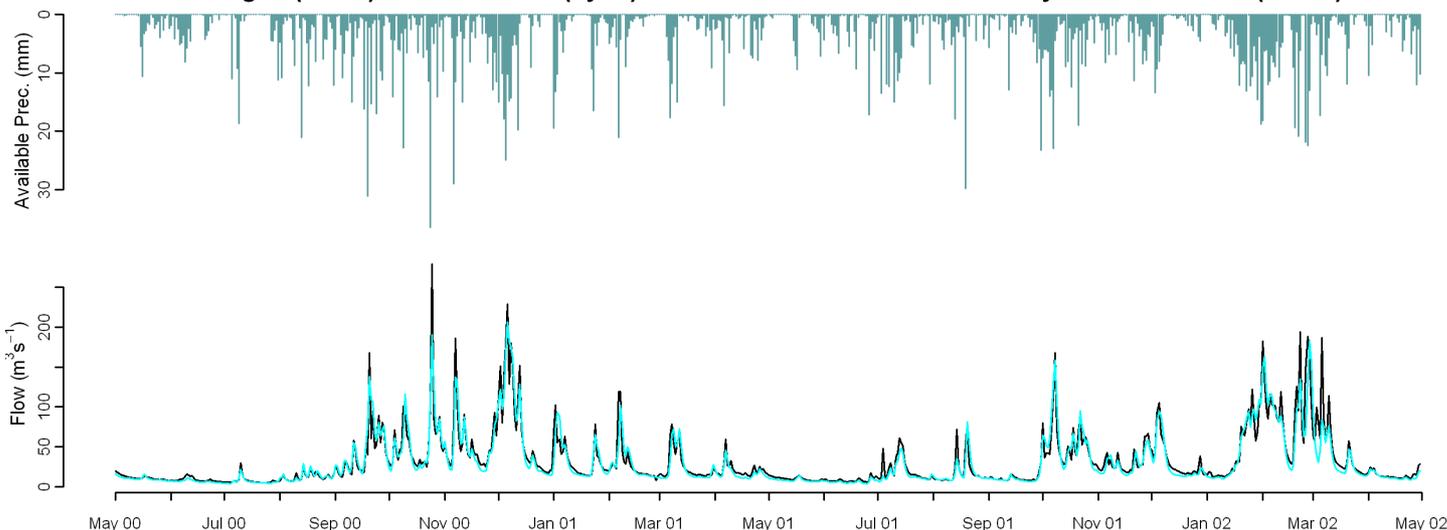
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-1.7	-2.3	-2.3	-5.1	-11.3	-18.6	-18.0	-11.5	-2.3	6.7	10.1	4.2	1.4	0.82
Performance Band	1	1	1	1	1	2	2	1	1	2	1	1	1	1
MORECS (1962-1991)	1.8	3.0	2.1	-2.2	-7.2	-15.2	-14.1	-6.5	4.5	11.0	8.7	8.5	4.6	0.80
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	-12.1	-8.7	-13.9	-3.5	7.2									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-9.4	-1.4	-8.7	1.3	8.1									

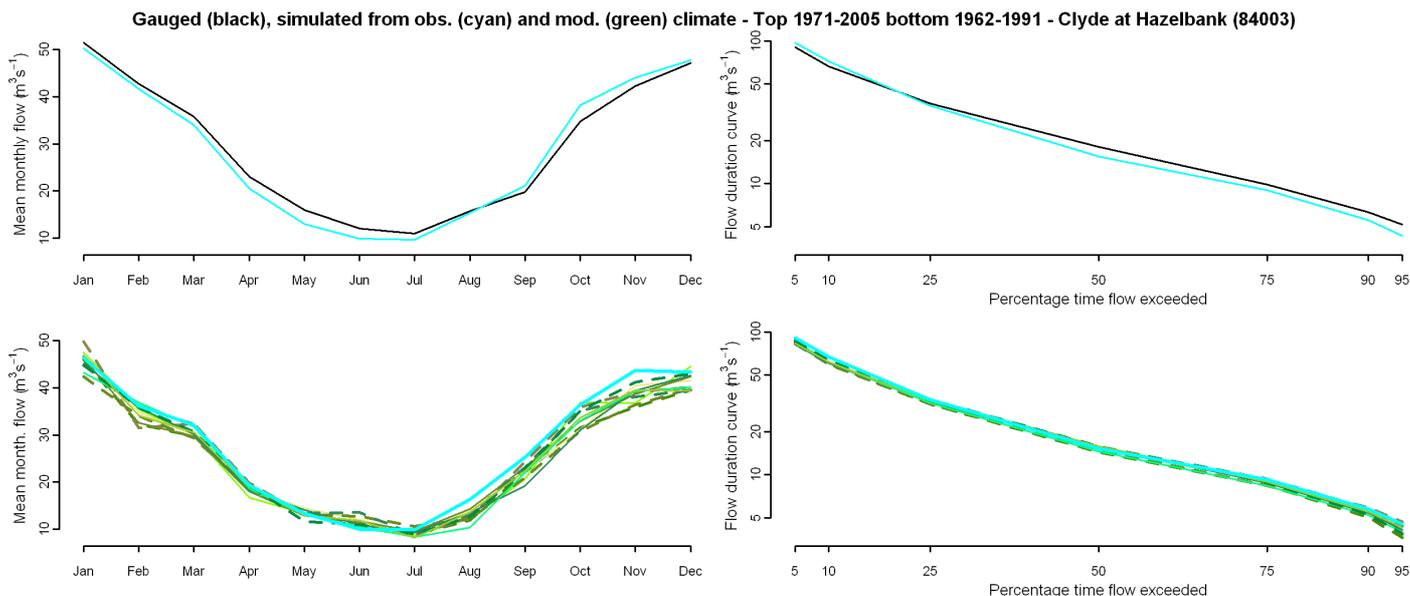
Gauged (black) and simulated (cyan) flows from observed climate - Clyde at Hazelbank (84003)



Gauged (black) and simulated (cyan) flows from observed climate - Clyde at Hazelbank (84003)



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

Climate change graphs for 2050s

