

General Information

River Name	Clyde	Catchment Area (km2)	742
Station Name	Sills of Clyde	SAAR (mm) 61-90	1222
Station Number	84004	Mean Annual Rain (mm) 62-91	1238
Grid Reference	NS927424	Mean Annual PE (mm) 62-91	456
EA Region	SEPA-SW	Observed flow record	1961 to 2005



Observed Data

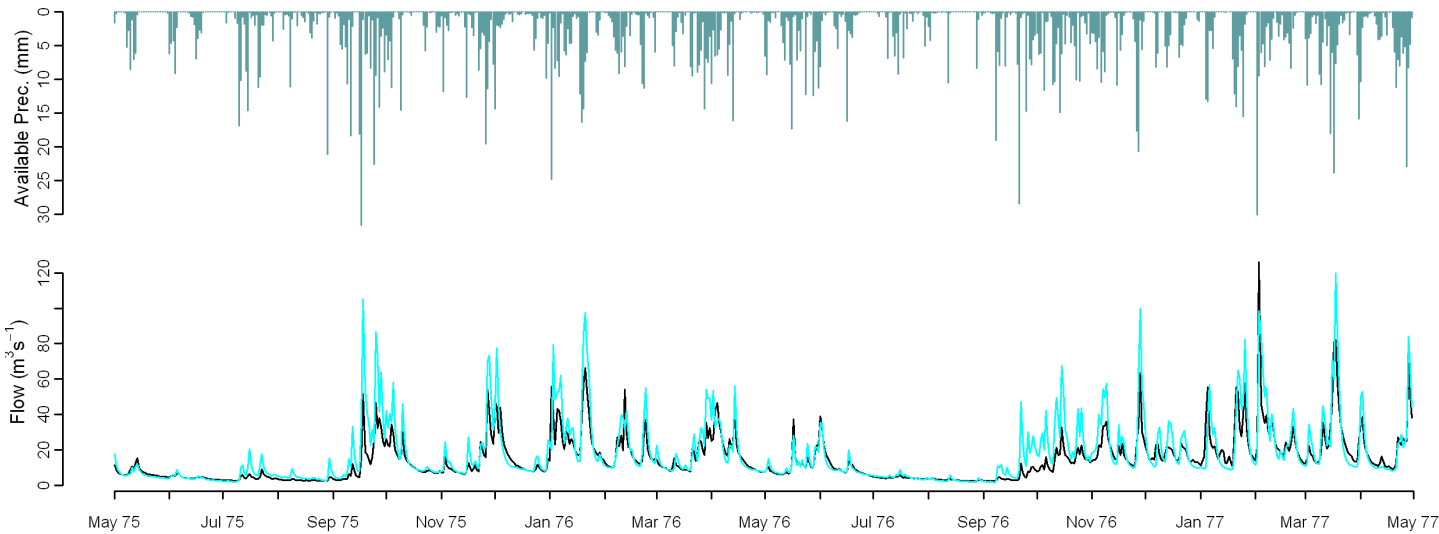
Comparison of gauged and simulated flow

Model used: CERF

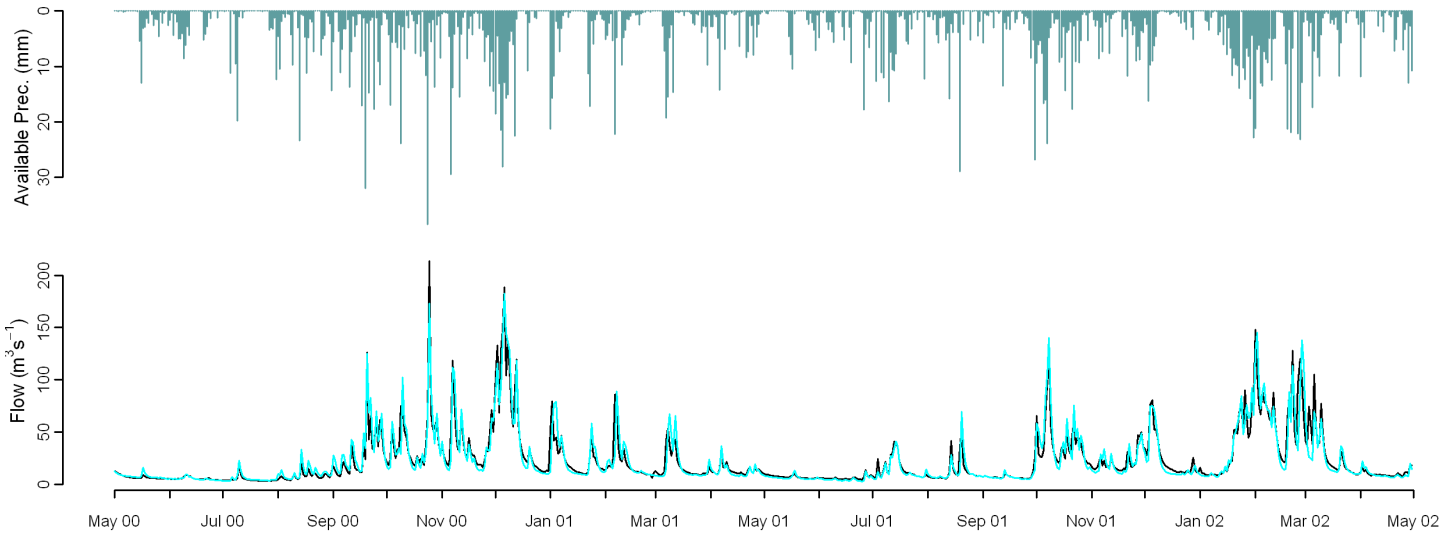
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	8.2	5.1	5.7	4.7	-0.1	-6.2	-1.9	10.9	16.2	24.4	20.7	11.7	7.7	0.75
Performance Band	1	1	1	1	1	1	1	2	2	2	2	2	1	1
MORECS (1962-1991)	11.6	10.8	8.2	7.3	0.6	-5.4	-2.1	15.4	21.0	28.1	19.2	17.5	11.4	0.68

	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20
MORECS (1971-2005)	1.0	5.1	-6.3	3.9	21.6				
Performance Band	1	1	2	2	2				
MORECS (1962-1991)	4.1	5.7	-5.1	6.8	26.5				

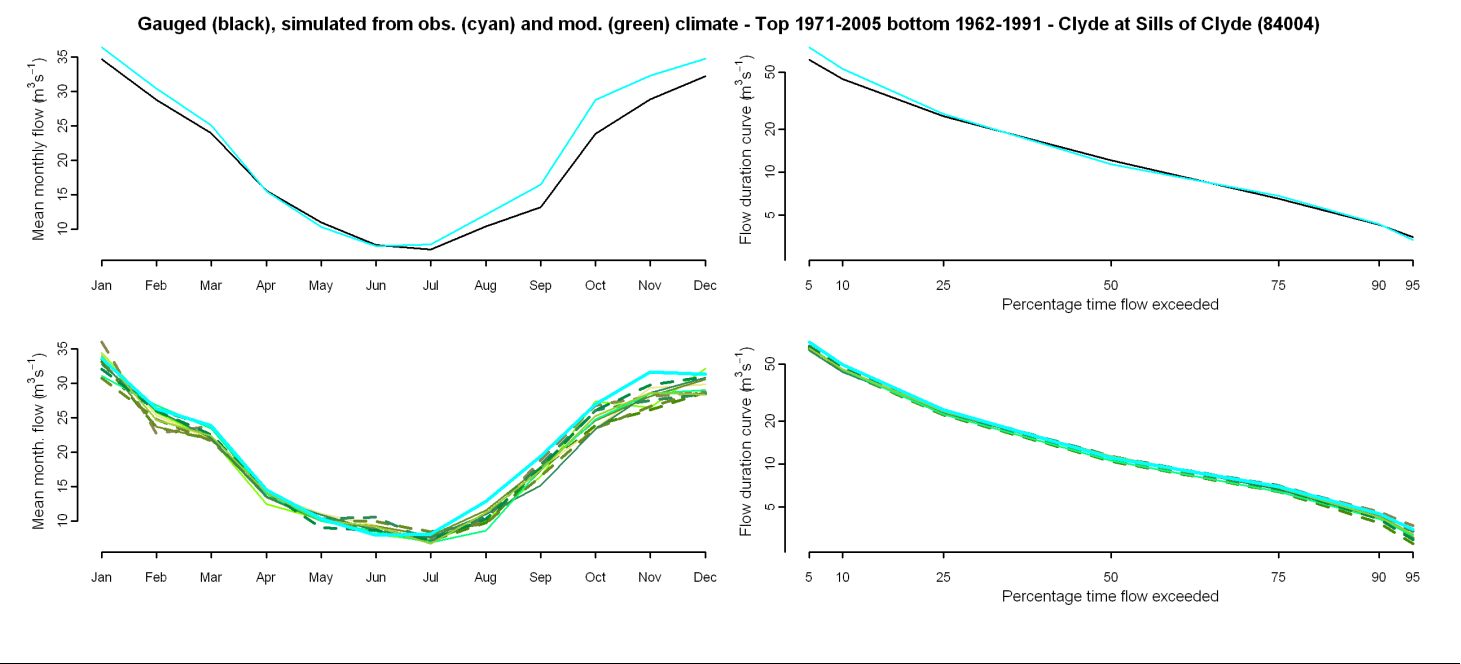
Gauged (black) and simulated (cyan) flows from observed climate - Clyde at Sills of Clyde (84004)



Gauged (black) and simulated (cyan) flows from observed climate - Clyde at Sills of Clyde (84004)



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

Climate change graphs for 2050s

