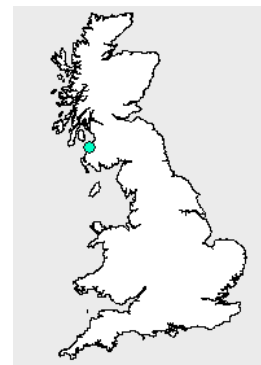


General Information

River Name	Girvan	Catchment Area (km2)	246
Station Name	Robstone	SAAR (mm) 61-90	1368
Station Number	82001	Mean Annual Rain (mm) 62-91	1371
Grid Reference	NX217997	Mean Annual PE (mm) 62-91	502
EA Region	SEPA-SW	Observed flow record	1963 to 2005



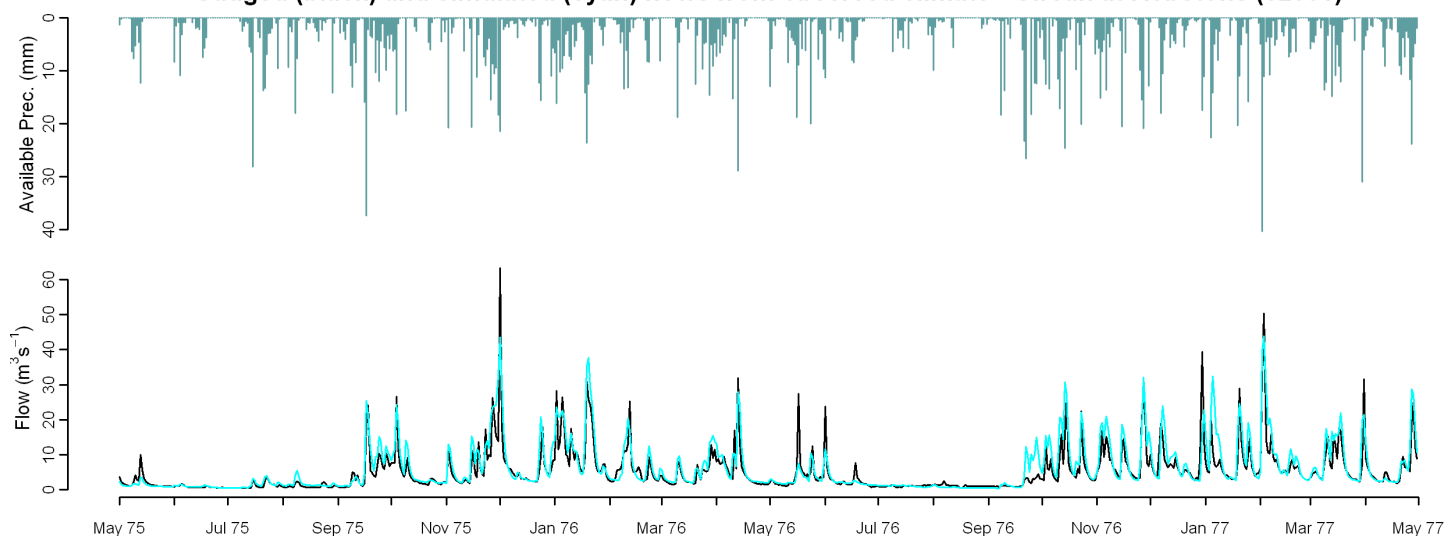
Observed Data

Comparison of gauged and simulated flow

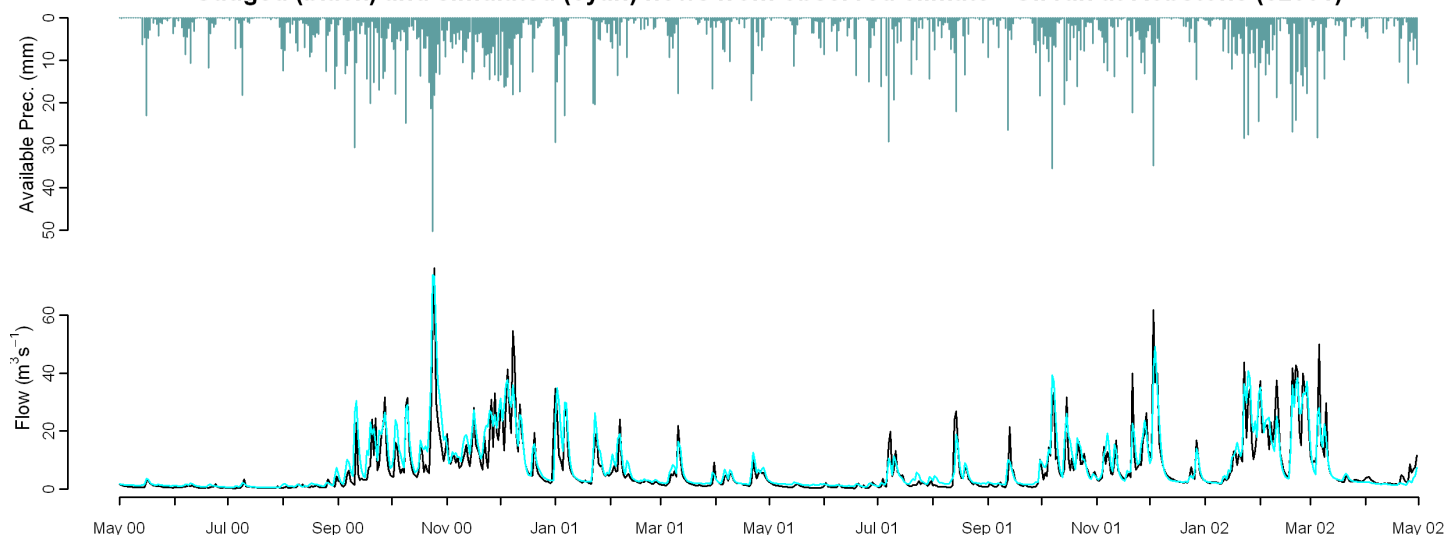
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	11.3	12.1	11.1	9.6	3.7	-0.3	7.5	1.1	12.2	18.6	13.0	15.0	8.9	0.80
Performance Band	1	1	1	2	1	1	1	1	2	2	1	2	2	1
MORECS (1962-1991)	10.3	11.6	11.3	10.5	2.8	-7.4	1.1	3.7	9.6	16.7	10.8	15.0	11.0	0.80
	Q90	Q75	Q50	Q25	Q5									
MORECS (1971-2005)	60.7	31.1	-4.2	20.6	9.6									
Performance Band	1	1	2	1	1									
MORECS (1962-1991)	43.8	27.5	-6.2	16.8	10.1									

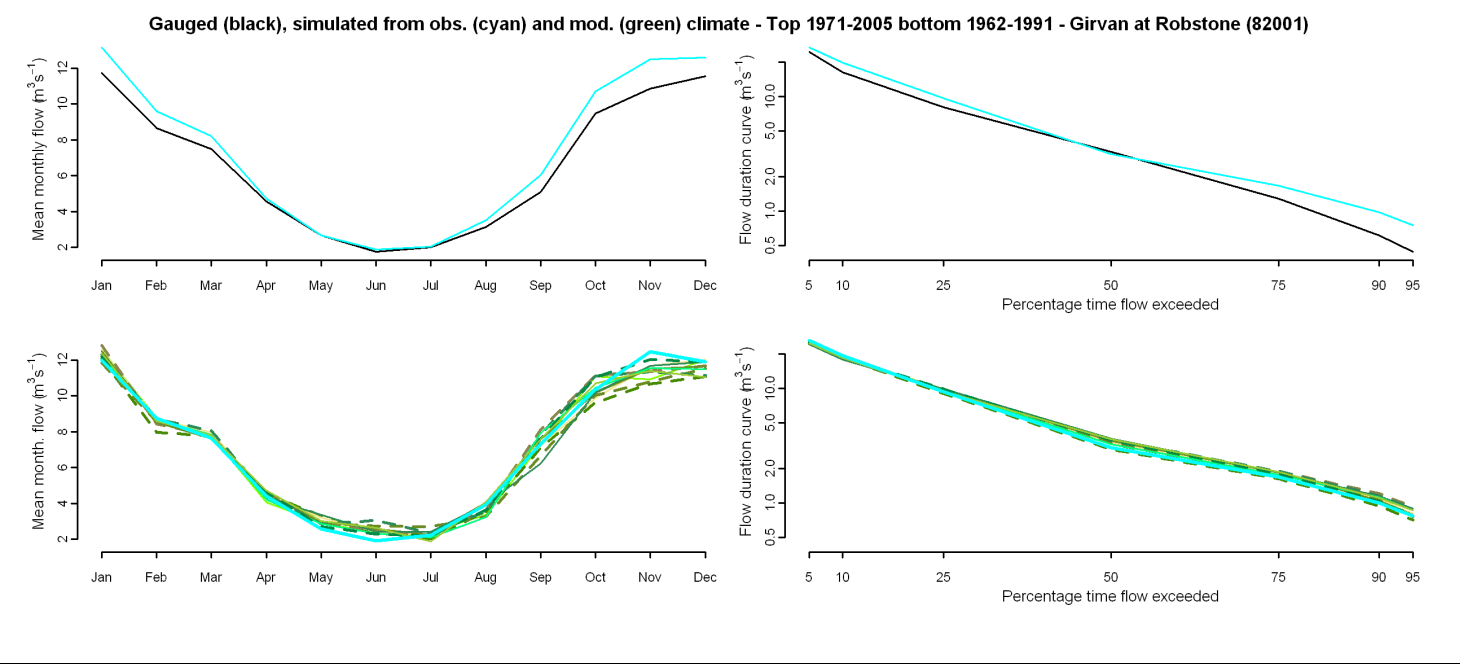
Gauged (black) and simulated (cyan) flows from observed climate - Girvan at Robstone (82001)



Gauged (black) and simulated (cyan) flows from observed climate - Girvan at Robstone (82001)



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	6	2	-1	1	3	1	2	2
January	5	4	6	5	5	3	-1	4	3	-2	7
April	-5	2	0	10	3	4	0	1	-7	6	6
July	9	-6	-2	12	2	9	11	6	-4	0	-17
October	8	-1	-7	11	-1	-2	6	6	2	8	6
Q90	11	-4	6	23	3	4	13	15	14	2	11
Q75	6	-2	4	14	7	1	9	12	5	6	10
Q50	12	-2	8	17	14	7	21	16	8	14	19
Q25	3	-1	5	6	4	3	6	3	3	4	2
Q5	-2	-2	-3	-1	-3	-6	-8	-1	-2	-4	-5
RP2	-7	-3	-3	5	-8	-4	-3	-2	-2	-2	0
RP10	-8	-7	0	8	-4	-8	-3	5	0	1	5

Climate change graphs for 2050s

