

## General Information

River Name	Strae	Catchment Area (km2)	36
Station Name	Glen Strae	SAAR (mm) 61-90	2770
Station Number	89004	Mean Annual Rain (mm) 62-91	2729
Grid Reference	NN146294	Mean Annual PE (mm) 62-91	460
EA Region	SEPA-SW	Observed flow record	1978 to 2005



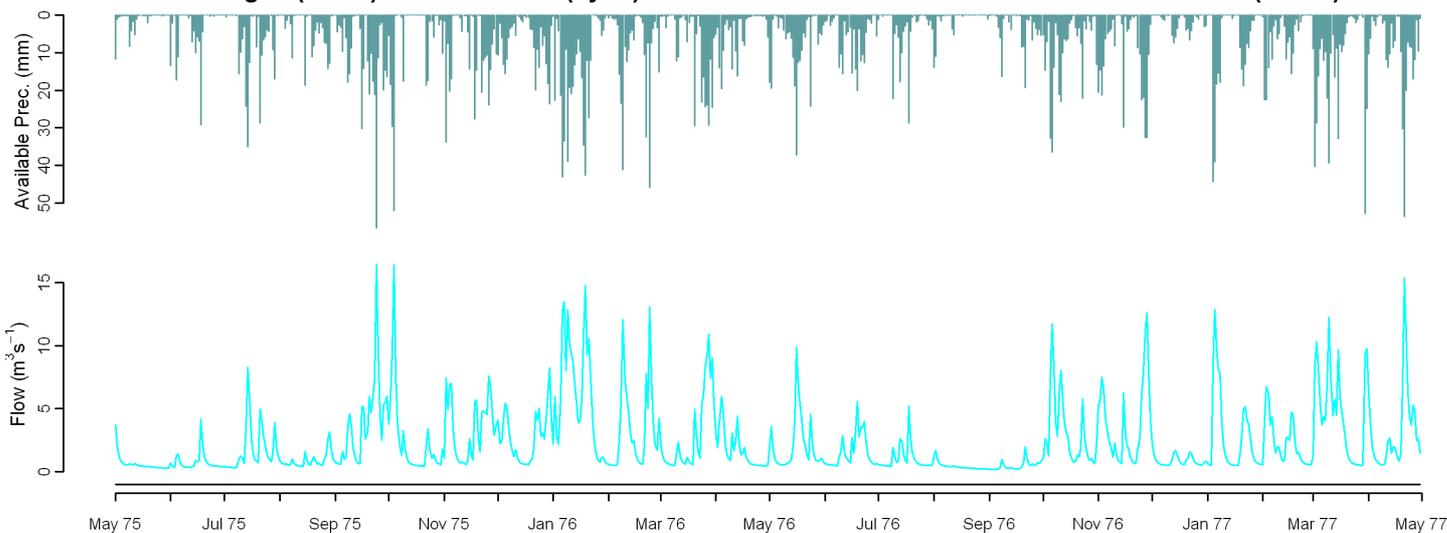
## Observed Data

## Comparison of gauged and simulated flow

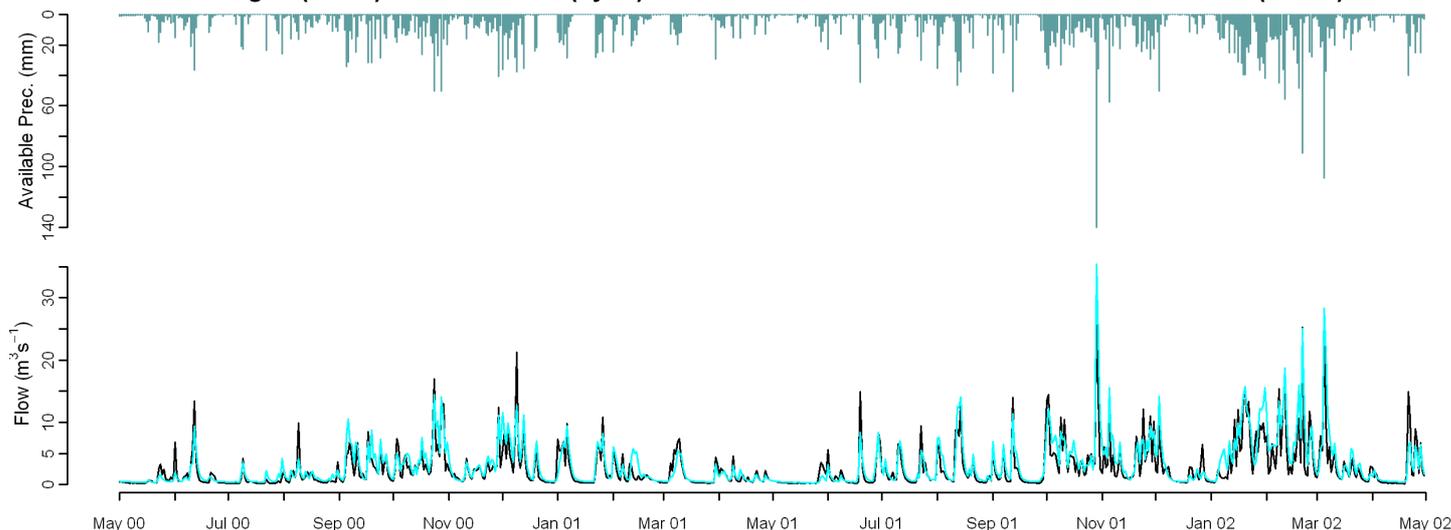
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	7.1	11.5	14.4	12.7	-1.2	-2.5	-9.2	-5.5	0.3	5.6	11.0	14.9	7.2	0.72
Performance Band	1	1	2	2	1	1	2	1	1	1	1	2	2	1
MORECS (1962-1991)	5.4	10.7	19.0	7.1	-7.2	1.6	-8.5	-13.7	-6.2	3.0	4.6	16.7	9.0	0.73
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	62.4	18.2	1.9	11.9	0.3									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	50.7	9.9	-6.7	5.6	-1.6									

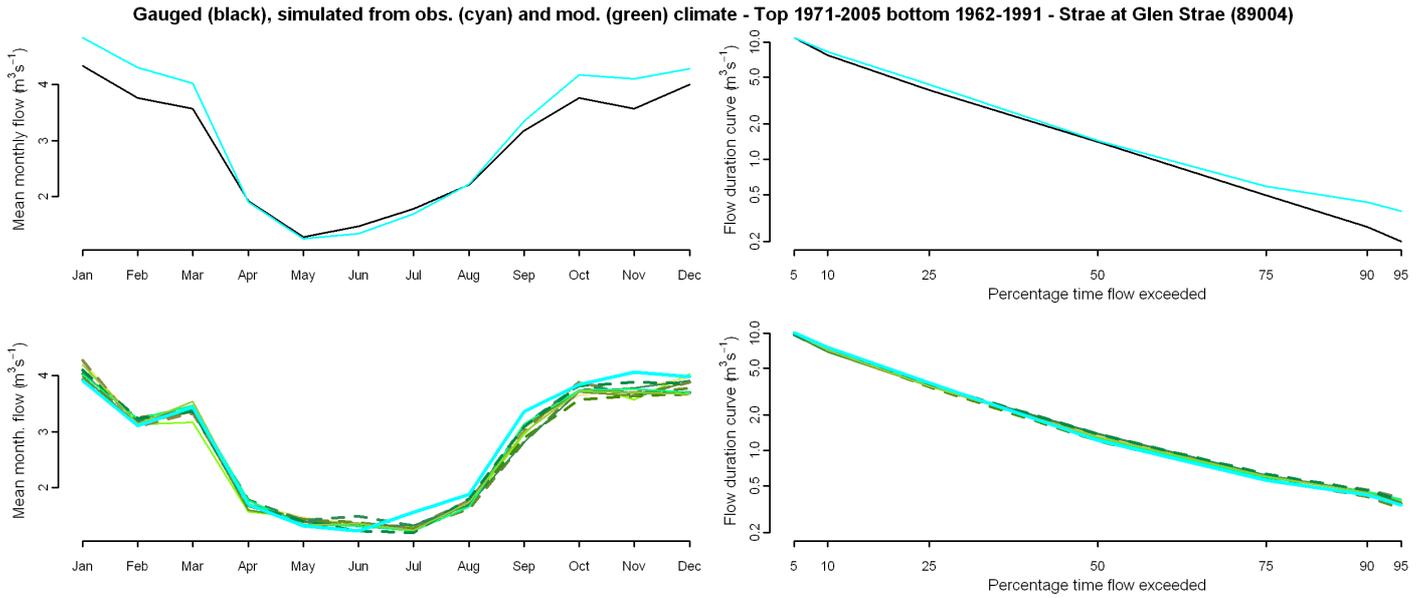
Gauged (black) and simulated (cyan) flows from observed climate - Strae at Glen Strae (89004)



Gauged (black) and simulated (cyan) flows from observed climate - Strae at Glen Strae (89004)



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

Climate change graphs for 2050s

