

General Information

River Name	Alness	Catchment Area (km2)	201
Station Name	Alness	SAAR (mm) 61-90	1368
Station Number	4003	Mean Annual Rain (mm) 62-91	1370
Grid Reference	NH654695	Mean Annual PE (mm) 62-91	484
EA Region	SEPA-NW	Observed flow record	1974 to 2005



Observed Data

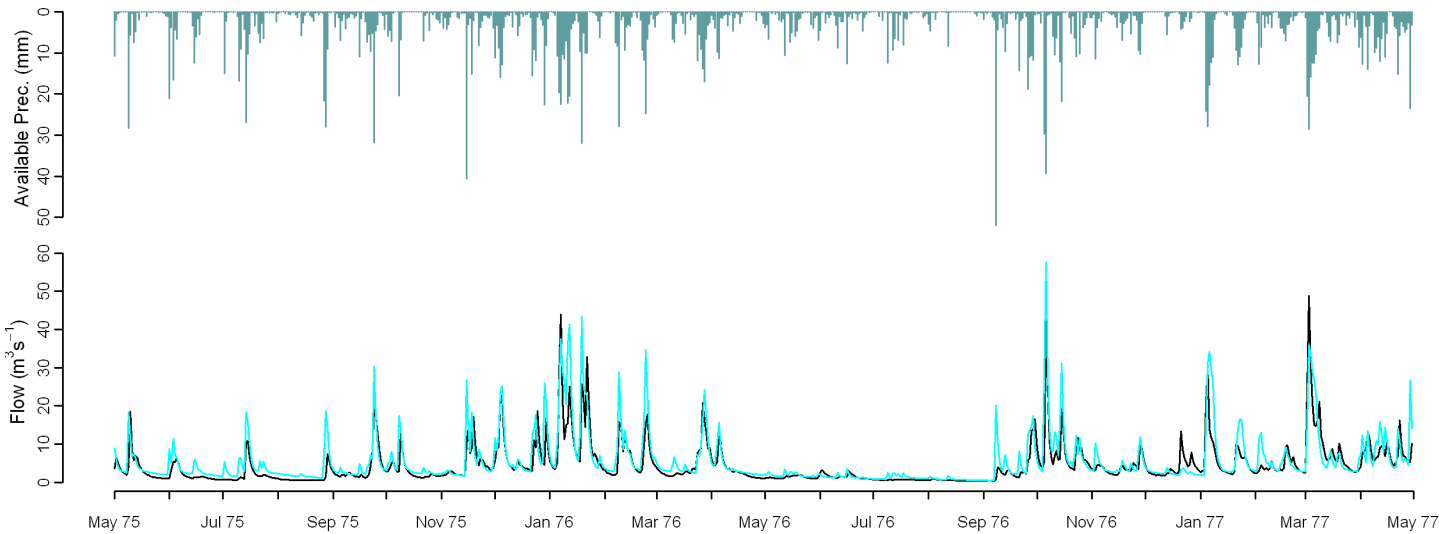
Comparison of gauged and simulated flow

Model used: CERF

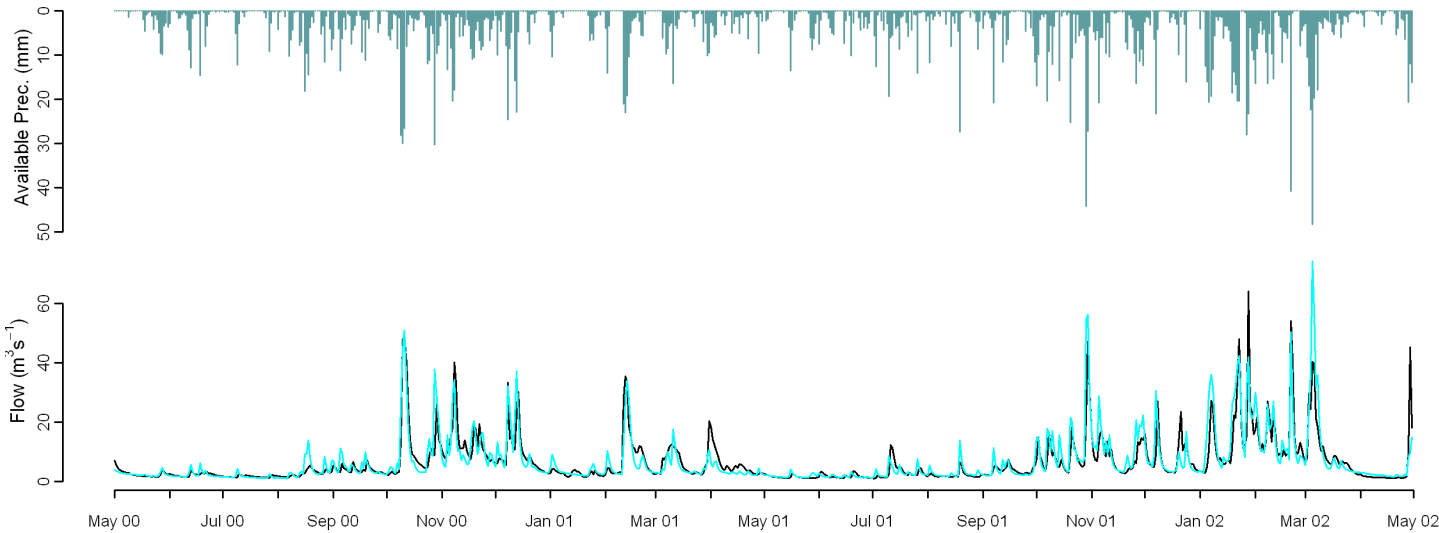
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	11.1	11.3	15.6	3.4	-7.8	0.7	20.1	11.1	27.2	26.2	12.1	18.5	11.1	0.61
Performance Band	2	1	2	1	1	1	2	2	2	3	1	2	2	2
MORECS (1962-1991)	13.7	10.5	23.1	5.2	-1.9	2.1	19.6	21.3	28.5	25.1	15.4	21.5	11.4	0.63

	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20
MORECS (1971-2005)	25.0	17.8	-4.7	4.5	25.0				
Performance Band	1	1	2	2	1				
MORECS (1962-1991)	37.5	18.5	-6.0	6.3	28.8				

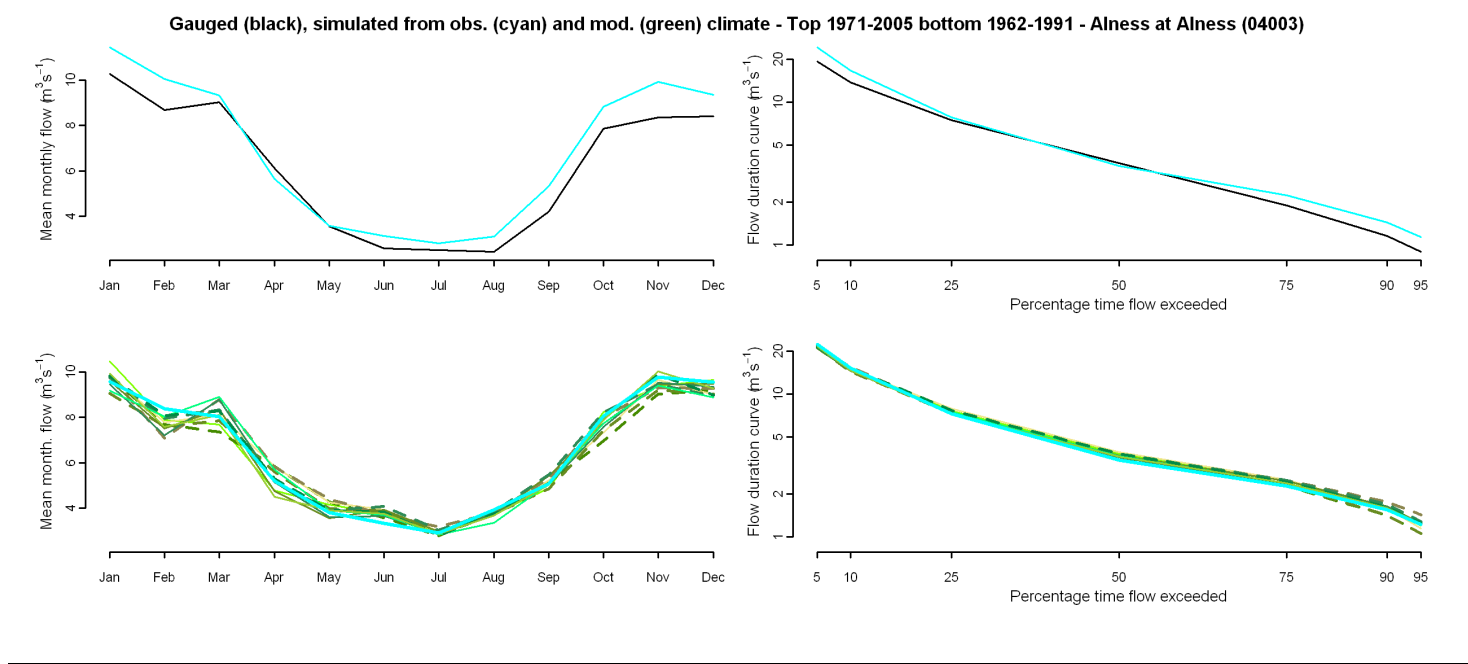
Gauged (black) and simulated (cyan) flows from observed climate - Alness at Alness (04003)



Gauged (black) and simulated (cyan) flows from observed climate - Alness at Alness (04003)



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	1	1	3	3	-1	-2	-1	3	0	2	1
January	8	7	3	1	1	-2	-4	0	-8	2	9
April	-7	16	13	14	-8	7	-2	2	8	5	-13
July	0	-1	6	14	1	0	1	5	-1	0	-1
October	1	-7	-7	5	-2	-7	2	2	-1	0	7
Q90	3	-5	0	15	1	-9	1	8	-1	4	3
Q75	8	2	10	10	5	1	2	9	3	5	5
Q50	11	5	15	10	7	6	5	11	7	10	7
Q25	4	3	9	4	0	0	0	4	3	5	0
Q5	-6	-3	-6	-3	-7	-6	-5	-3	-4	-5	-3
RP2	-11	1	-5	-3	6	-3	-3	-10	-3	-11	11
RP10	-7	1	-2	-8	4	-2	4	-6	0	-14	20

Climate change graphs for 2050s

