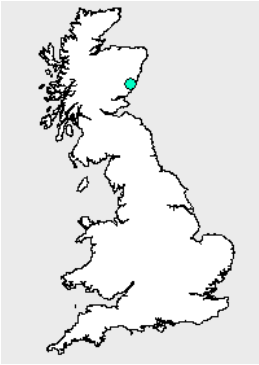


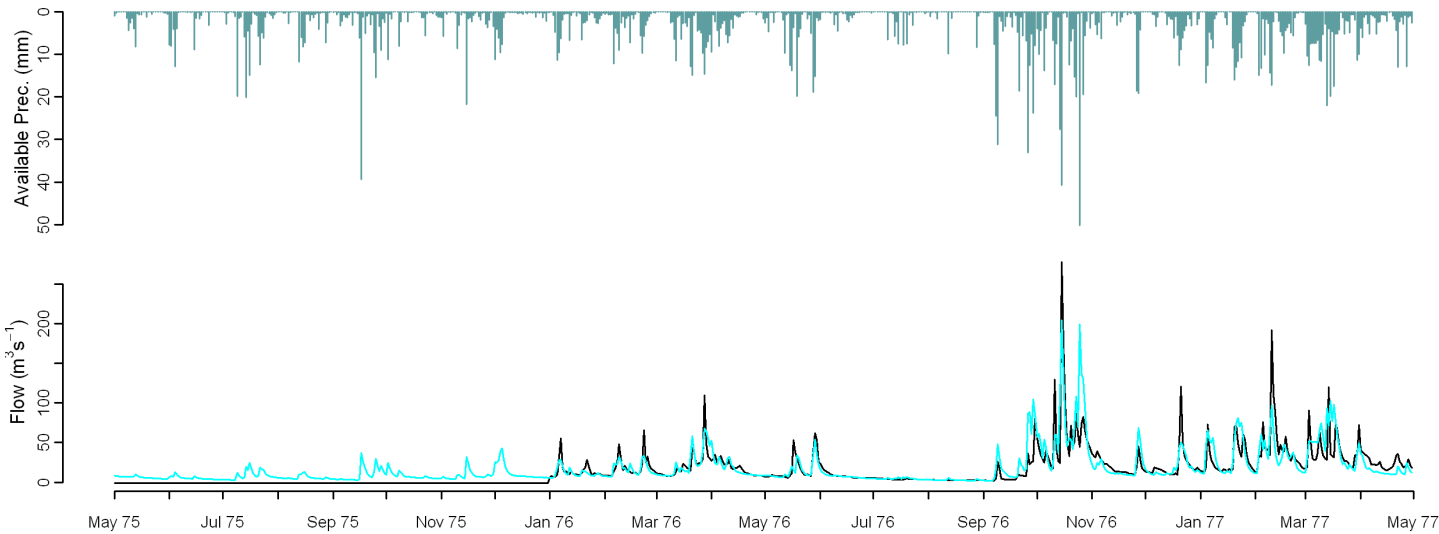
General Information

River Name	North Esk	Catchment Area (km2)	732
Station Name	Logie Mill	SAAR (mm) 61-90	1074
Station Number	13007	Mean Annual Rain (mm) 62-91	1113
Grid Reference	NO699640	Mean Annual PE (mm) 62-91	491
EA Region	SEPA-NE	Observed flow record	1976 to 2005

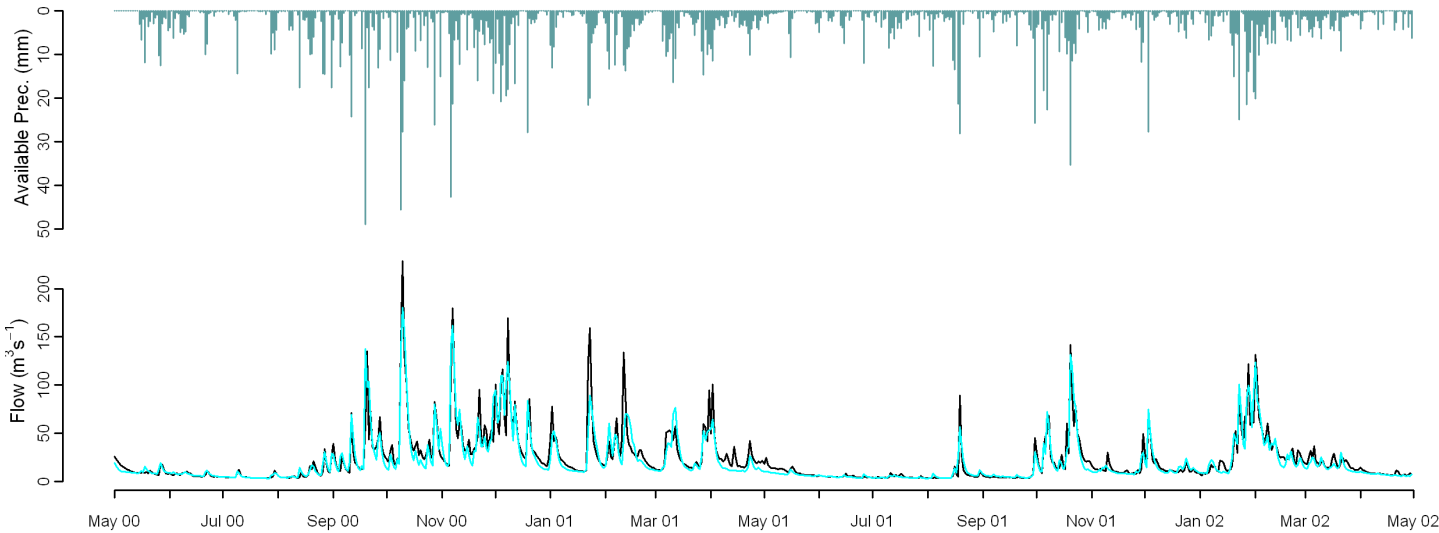


Observed Data	Comparison of gauged and simulated flow										Model used: CERF			
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-6.2	-6.6	-7.8	-10.3	-15.9	-14.2	-7.8	1.0	-0.2	12.4	0.1	-3.5	-5.7	0.74
Performance Band	1	1	1	1	2	2	1	1	1	2	1	1	1	1
MORECS (1962-1991)	-5.1	-3.8	-4.9	-7.4	-20.4	-13.9	-4.8	0.2	-2.0	16.2	3.0	-1.7	-4.0	0.67
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	5.7	1.1	-13.8	-13.6	6.1									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	11.6	3.3	-14.0	-11.7	8.6									

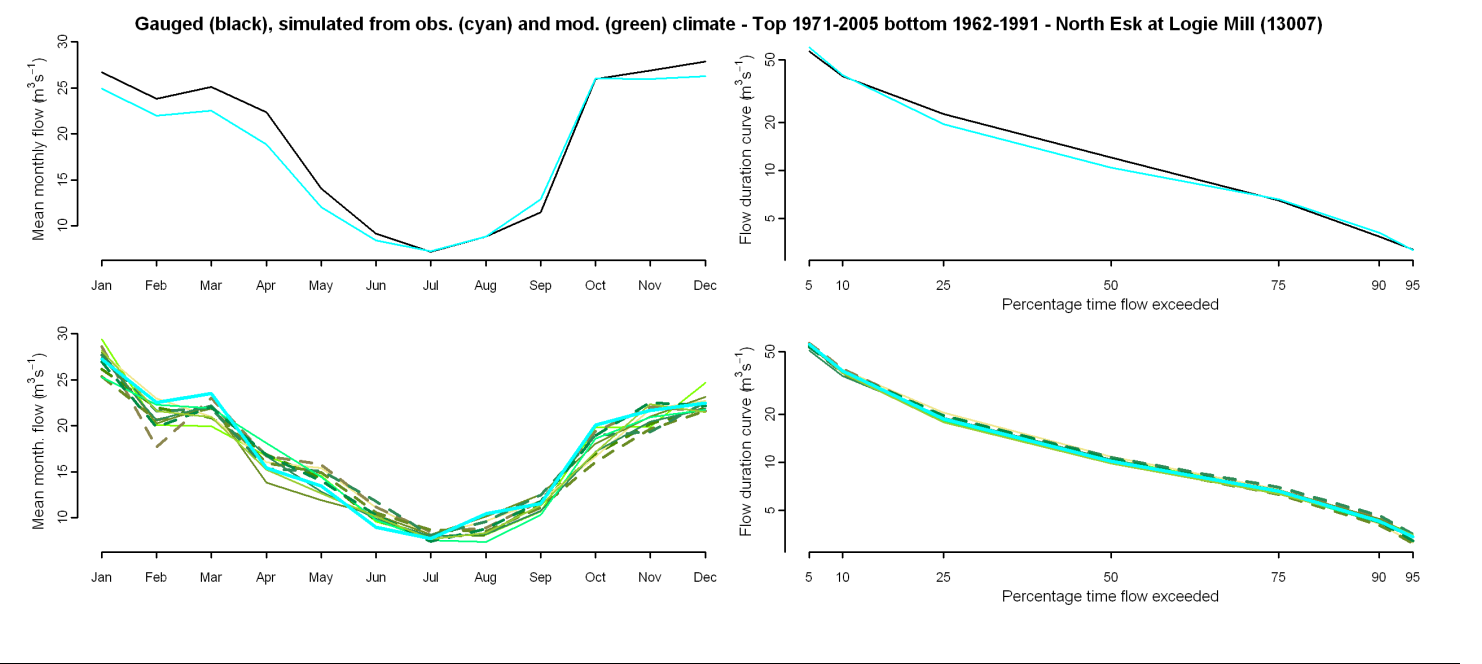
Gauged (black) and simulated (cyan) flows from observed climate - North Esk at Logie Mill (13007)



Gauged (black) and simulated (cyan) flows from observed climate - North Esk at Logie Mill (13007)



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	-2	3	4	-4	-3	-3	1	-2	0	-3
January	11	-6	5	5	1	-2	-1	1	-10	1	6
April	7	9	6	11	-9	4	8	3	22	11	-3
July	5	7	11	14	5	-3	5	5	-2	-6	-2
October	0	-13	-17	2	-11	-14	-8	-11	-2	-5	-7
Q90	2	-3	-4	7	-3	-7	-4	5	-4	-5	0
Q75	2	-3	4	8	-2	-6	-3	5	-4	-1	-5
Q50	3	-2	7	5	-2	-1	3	5	-2	3	-4
Q25	0	-1	8	5	-6	-2	1	4	-4	4	-6
Q5	0	-4	-3	2	-4	-3	-6	-3	0	-3	0
RP2	-1	2	-5	-5	4	-2	3	2	3	-3	6
RP10	-12	-11	-15	-15	0	-15	4	-11	-6	-6	-5

Climate change graphs for 2050s

