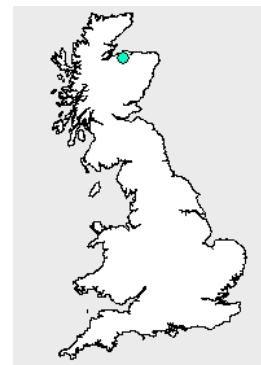


General Information

River Name	Lossie	Catchment Area (km2)	20
Station Name	Torwinny	SAAR (mm) 61-90	956
Station Number	7006	Mean Annual Rain (mm) 62-91	996
Grid Reference	NJ135489	Mean Annual PE (mm) 62-91	553
EA Region	SEPA-NW	Observed flow record	1987 to 2005



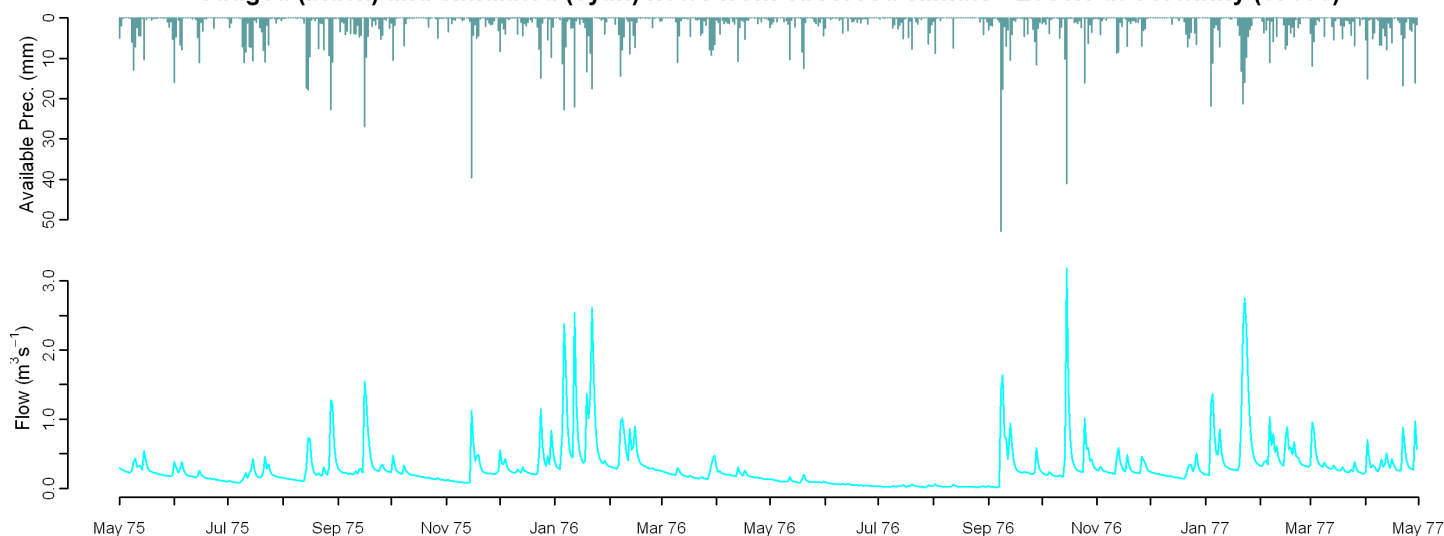
Observed Data

Comparison of gauged and simulated flow

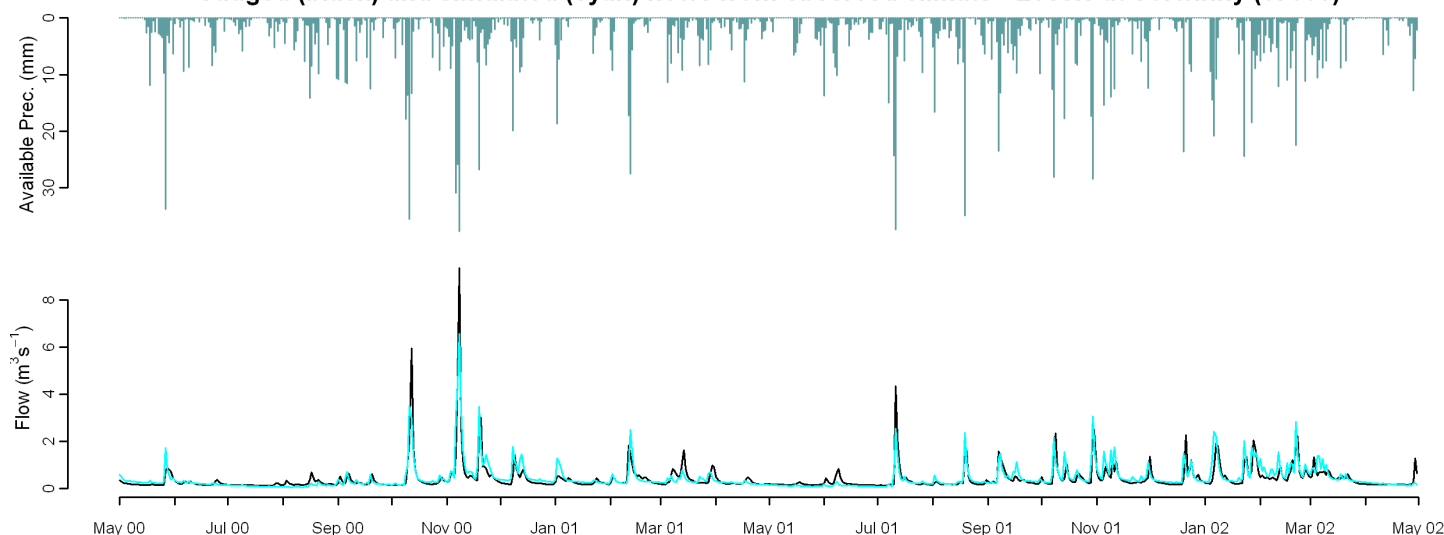
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	3.8	15.6	14.0	-3.8	-9.9	-17.7	-11.9	-11.0	-12.7	5.3	2.4	11.7	32.2	0.59
Performance Band	1	1	1	1	2	2	2	1	2	2	2	2	2	2
MORECS (1962-1991)	-8.8	-3.5	-1.1	-0.6	-5.0	-21.5	-12.3	-21.6	-12.6	-19.4	-19.6	-11.3	1.5	0.56
	Q90	Q75	Q50	Q25	Q5									
MORECS (1971-2005)	-26.4	5.3	16.0	3.1	5.4									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-12.0	6.3	8.6	-2.2	-9.6									

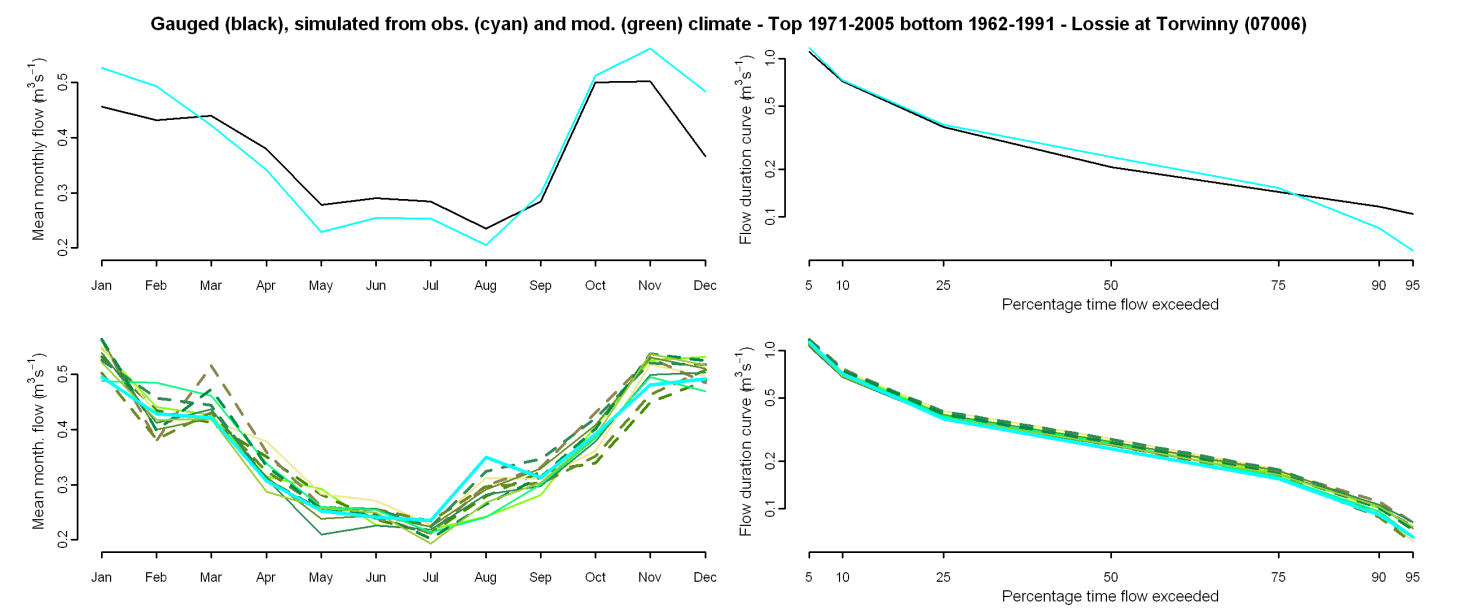
Gauged (black) and simulated (cyan) flows from observed climate - Lossie at Torwinny (07006)



Gauged (black) and simulated (cyan) flows from observed climate - Lossie at Torwinny (07006)



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	2	8	7	1	-1	0	5	0	5	1
January	11	10	13	14	13	5	8	3	-4	14	7
April	2	16	25	16	2	3	-1	8	7	8	-6
July	-5	-9	5	-6	-4	-7	-4	-5	-10	-14	-16
October	4	-8	-6	20	4	-10	0	3	2	4	9
Q90	9	2	4	21	9	-4	13	11	2	6	15
Q75	10	5	18	13	10	3	5	12	1	5	9
Q50	11	6	17	9	8	5	5	14	6	8	6
Q25	7	4	14	8	4	1	2	11	2	7	1
Q5	-3	-2	-1	3	-5	-5	-5	0	-3	1	-4
RP2	-21	-15	-14	-6	-9	-9	-11	-20	-12	-10	-13
RP10	-24	-19	-23	-24	-11	-18	-14	-19	-22	-13	-15

Climate change graphs for 2050s

