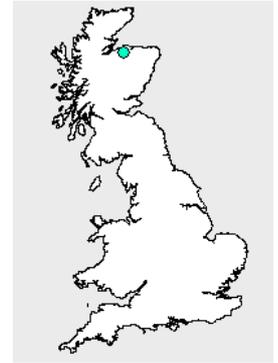


General Information

River Name	Lossie	Catchment Area (km ²)	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



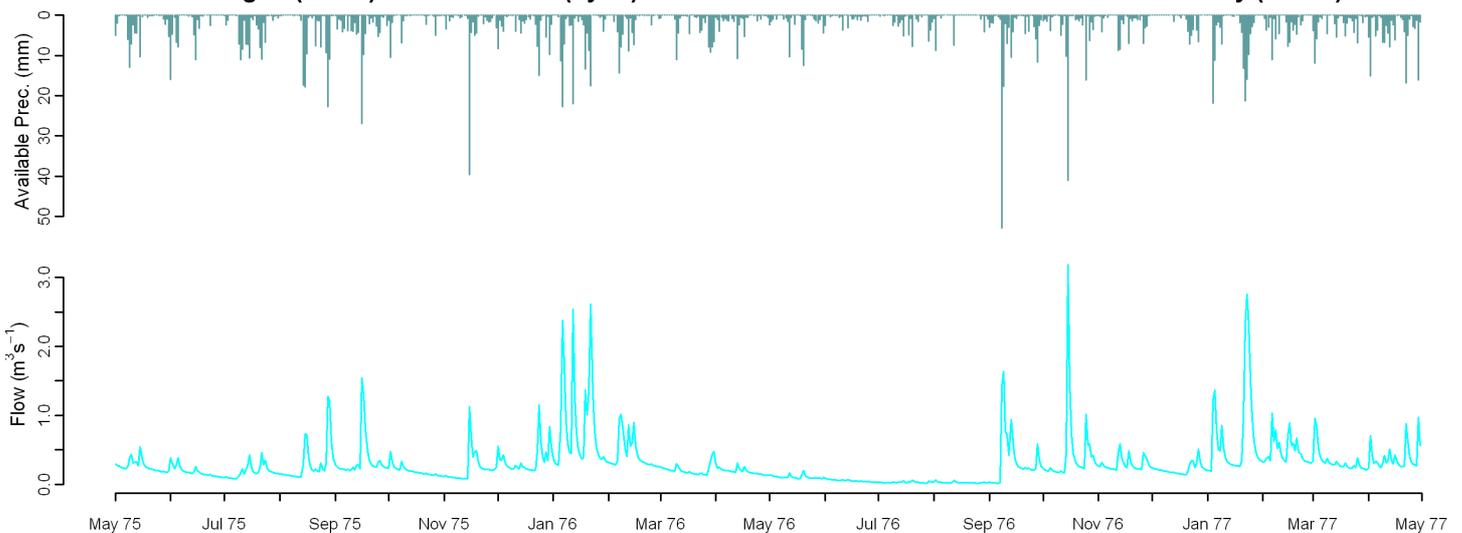
Observed Data

Comparison of gauged and simulated flow

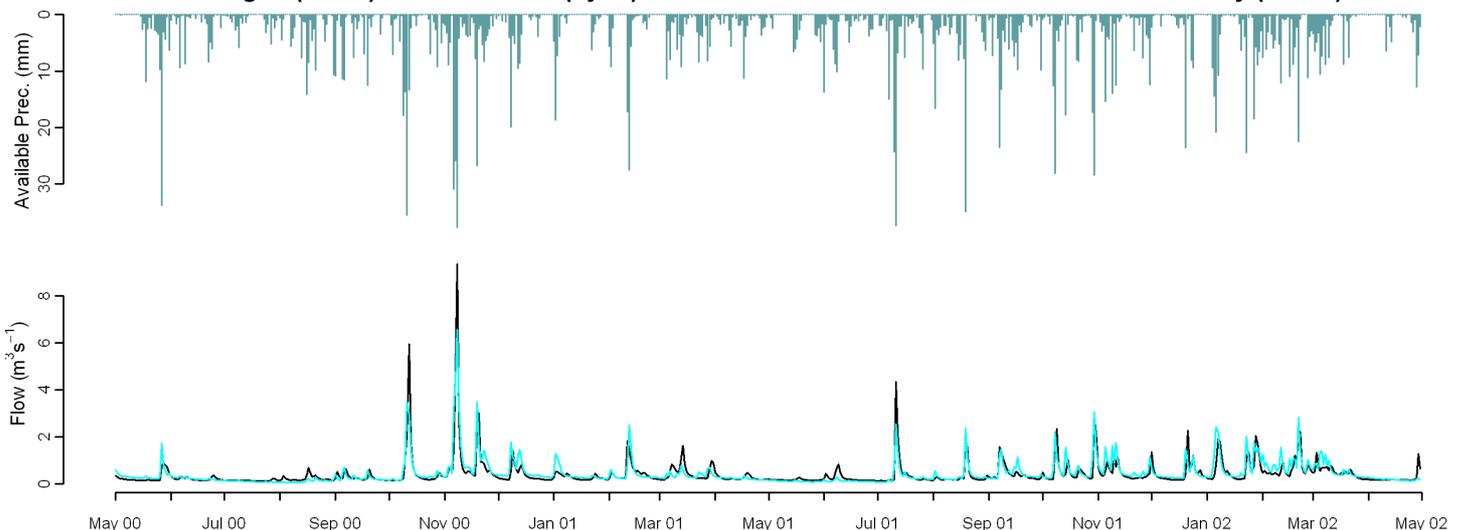
Model used: CERF

	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			RP2	RP5	RP10	RP20			
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)

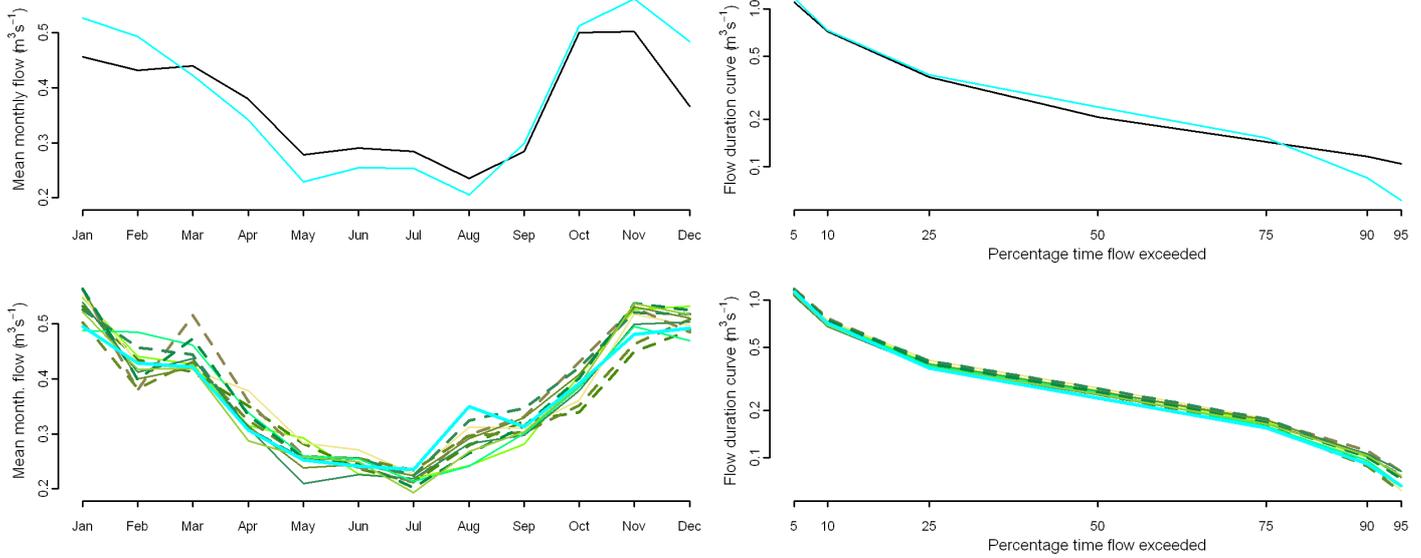


Gauged (black) and simulated (cyan) flows from observed climate - Lossie at Torwinny (07006)



Comparison of gauged and simulated flow (observed and modelled climate)

Gauged (black), simulated from obs. (cyan) and mod. (green) climate - Top 1971-2005 bottom 1962-1991 - Lossie at Torwinny (07006)



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

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Lossie at Torwinny (07006)

