

General Information

River Name	Leven	Catchment Area (km ²)	196
Station Name	Leven Bridge	SAAR (mm) 61-90	726
Station Number	25005	Mean Annual Rain (mm) 62-91	704
Grid Reference	NZ445122	Mean Annual PE (mm) 62-91	568
EA Region	EA-NE	Observed flow record	1961 to 2006



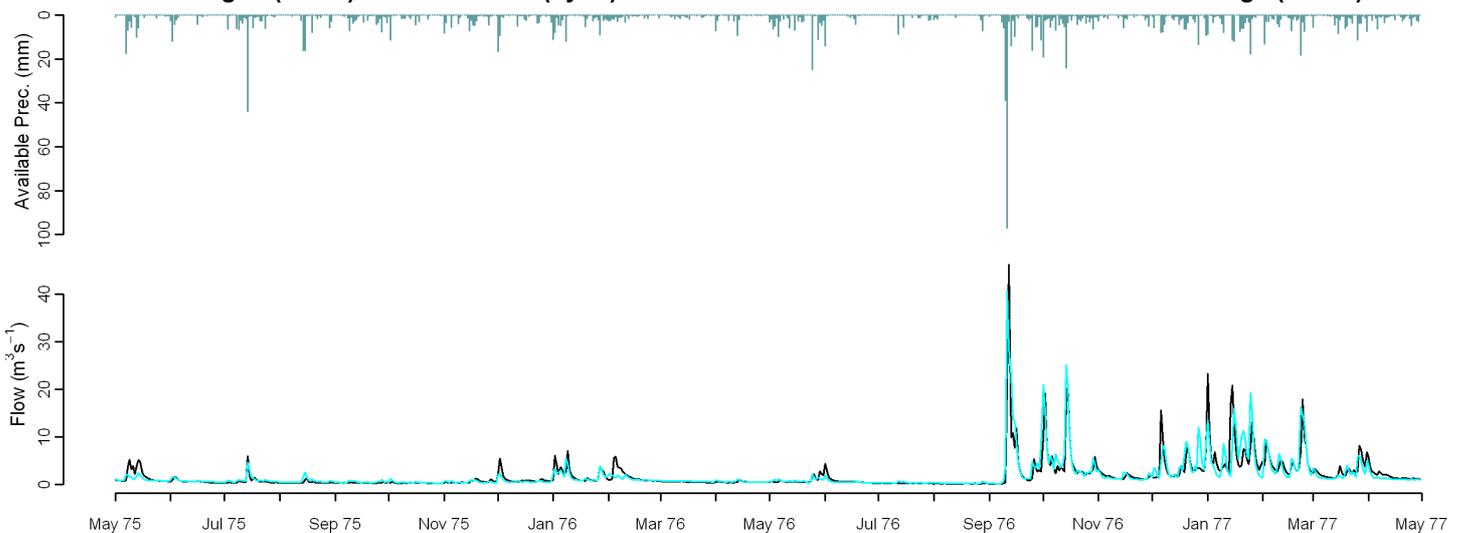
Observed Data

Comparison of gauged and simulated flow

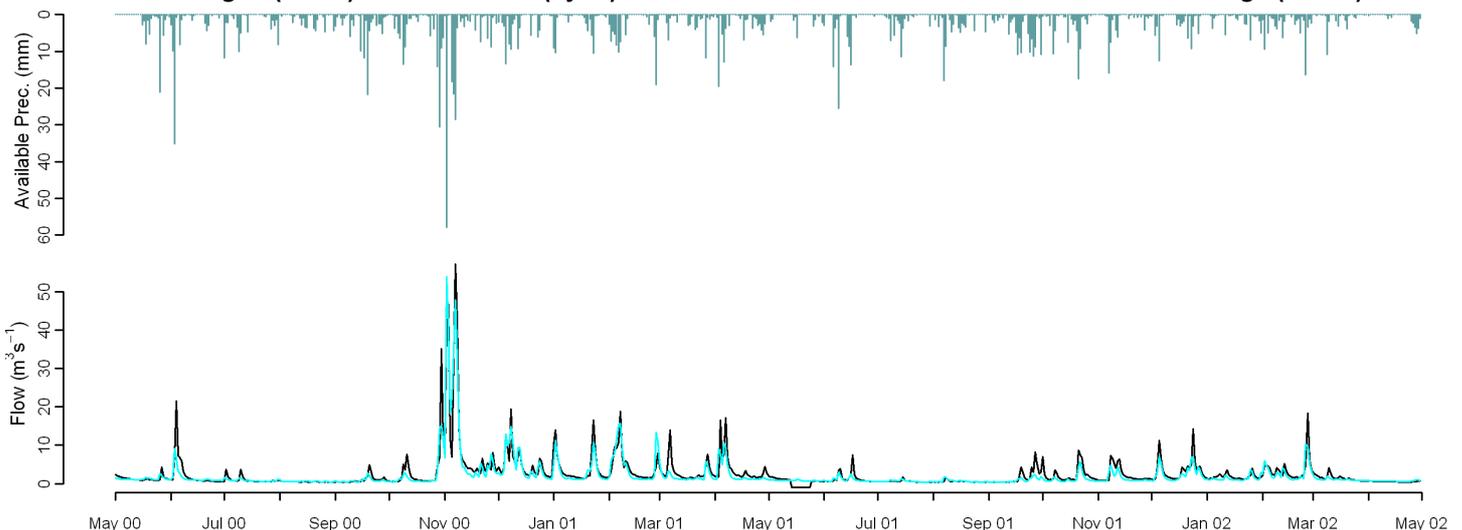
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-11.0	-8.0	-9.1	-20.8	-22.7	-12.9	-2.4	15.7	0.6	9.3	-19.2	-17.8	-12.8	0.72
Performance Band	2	2	2	2	3	2	1	1	1	1	2	2	2	1
MORECS (1962-1991)	-13.9	-10.1	-10.4	-23.2	-23.7	-21.3	6.5	12.4	-4.1	2.4	-19.3	-20.2	-17.2	0.67
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	31.8	27.0	5.1	-25.5	-12.8									
Performance Band	1	1	2	2	2									
MORECS (1962-1991)	21.2	19.1	-0.2	-26.5	-13.7									

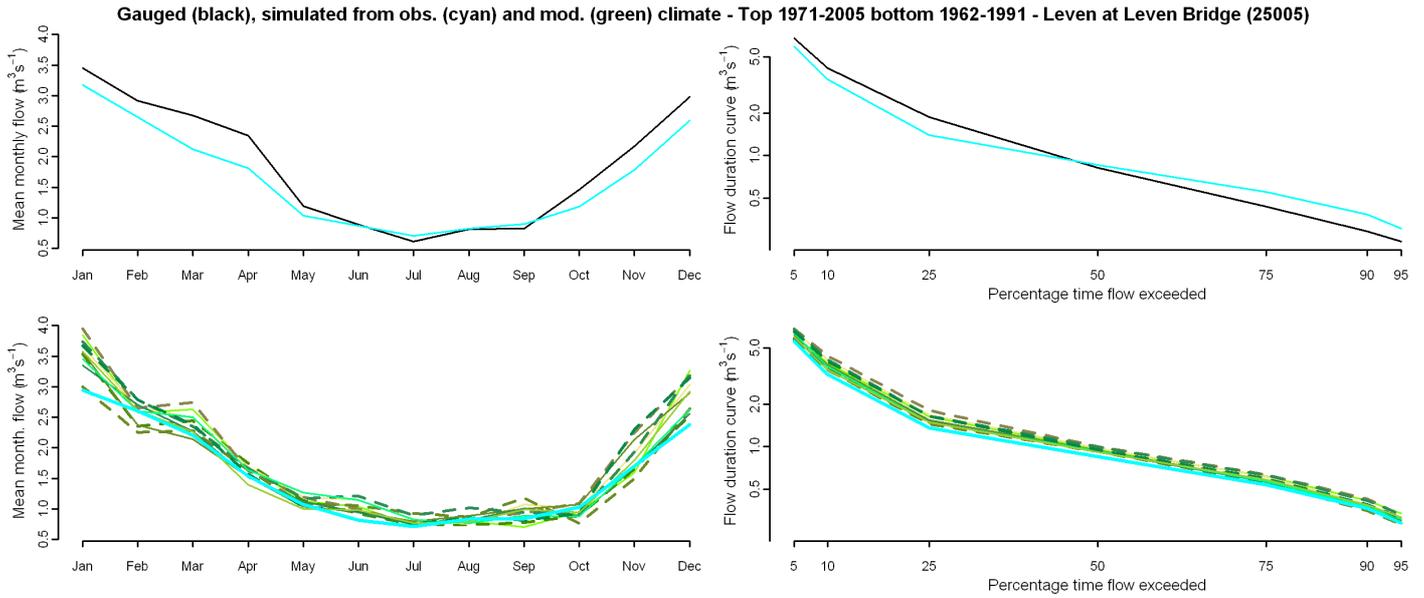
Gauged (black) and simulated (cyan) flows from observed climate - Leven at Leven Bridge (25005)



Gauged (black) and simulated (cyan) flows from observed climate - Leven at Leven Bridge (25005)



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	13	5	16	22	8	7	3	18	7	12	6
January	35	11	27	36	20	9	13	28	19	24	18
April	10	-2	14	9	1	7	-3	13	7	3	-3
July	5	19	21	9	11	32	7	29	13	5	10
October	-1	-10	-1	12	1	-23	-5	-1	-12	-9	-7
Q90	15	5	6	22	0	-4	4	15	3	5	7
Q75	15	9	13	20	4	3	3	19	5	8	9
Q50	14	11	16	20	9	9	8	19	9	11	8
Q25	22	10	23	36	12	9	10	26	10	20	10
Q5	12	4	18	25	7	4	3	27	11	17	5
RP2	7	-6	1	5	-3	3	-11	10	10	4	1
RP10	-4	-12	-12	-16	-12	-3	-14	-13	-10	-18	-4

Climate change graphs for 2050s

