

General Information

River Name	Leven	Catchment Area (km2)	15
Station Name	Easby	SAAR (mm) 61-90	831
Station Number	25019	Mean Annual Rain (mm) 62-91	842
Grid Reference	NZ585087	Mean Annual PE (mm) 62-91	520
EA Region	EA-NE	Observed flow record	1971 to 1996



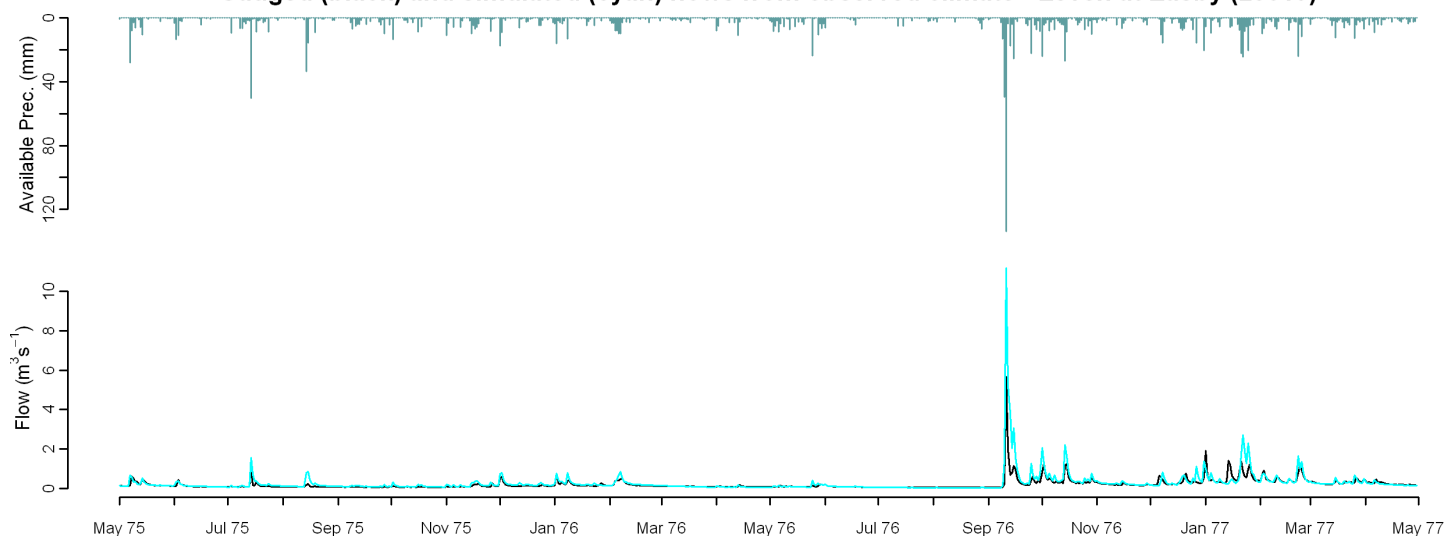
Observed Data

Comparison of gauged and simulated flow

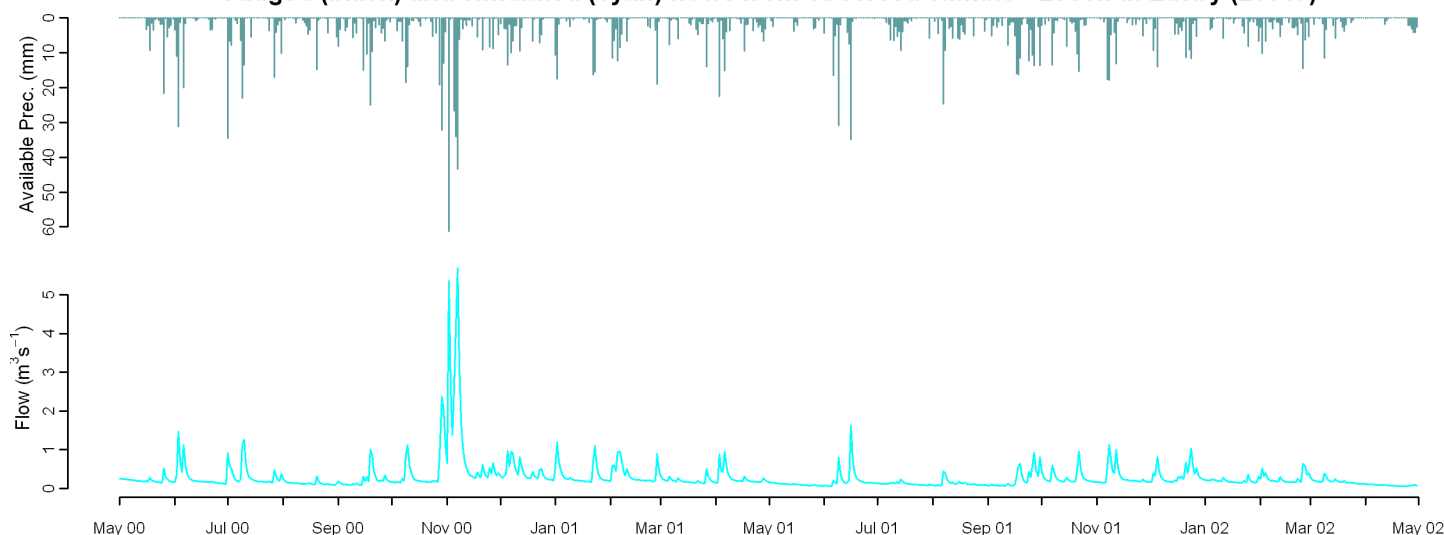
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	20.6	18.7	9.5	-0.7	-3.5	-4.6	4.5	24.0	46.8	63.2	44.2	47.6	35.5	0.48
Performance Band	3	2	1	1	1	1	1	2	3	3	3	3	3	2
MORECS (1962-1991)	19.3	17.3	10.1	-0.4	-2.7	-4.2	6.0	26.2	46.7	68.0	41.2	45.6	31.1	0.47
	Q90	Q75	Q50	Q25	Q5									
MORECS (1971-2005)	-6.9	11.3	23.1	16.7	34.5									
Performance Band	1	1	2	3	3									
MORECS (1962-1991)	-6.7	13.7	22.9	15.1	29.3									

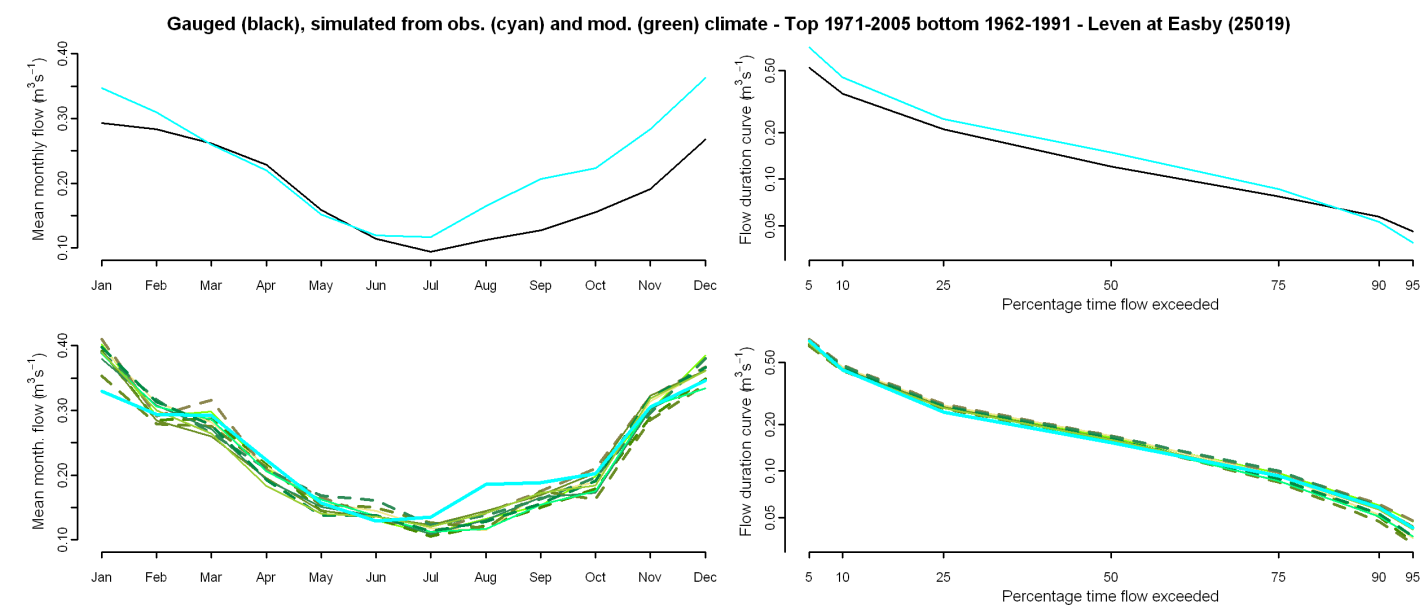
Gauged (black) and simulated (cyan) flows from observed climate - Leven at Easby (25019)



Gauged (black) and simulated (cyan) flows from observed climate - Leven at Easby (25019)



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	-3	1	5	-2	-3	-5	2	-4	-3	-3
January	24	12	23	25	18	11	15	19	19	20	15
April	-5	-13	0	-4	-10	-5	-15	-2	-8	-12	-12
July	-16	-10	-10	-15	-9	-5	-18	-6	-16	-19	-11
October	5	-6	-5	13	3	-15	-2	6	-9	-4	-6
Q90	4	-11	-10	6	-3	-20	-15	2	-14	-14	-3
Q75	7	-1	2	8	-3	-9	-8	10	-8	-7	1
Q50	10	6	11	14	4	5	4	12	4	5	5
Q25	11	6	10	14	7	6	5	12	6	7	5
Q5	-2	-5	-1	5	-3	-5	-5	3	-6	0	-4
RP2	-20	-21	-14	-17	-17	-13	-20	-16	-15	-12	-17
RP10	-32	-32	-30	-40	-35	-30	-27	-34	-23	-30	-26

Climate change graphs for 2050s

