

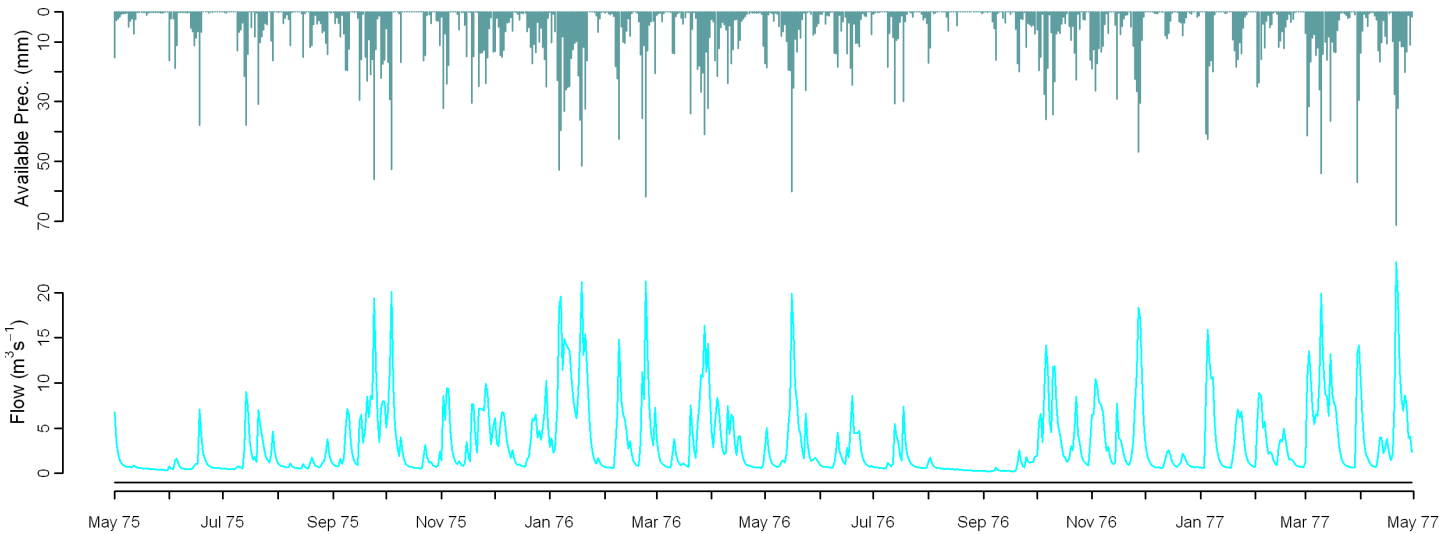
General Information

River Name	Lochy	Catchment Area (km2)	48
Station Name	Inverlochy	SAAR (mm) 61-90	2886
Station Number	89005	Mean Annual Rain (mm) 62-91	2930
Grid Reference	NN197274	Mean Annual PE (mm) 62-91	436
EA Region	SEPA-SW	Observed flow record	1978 to 2005

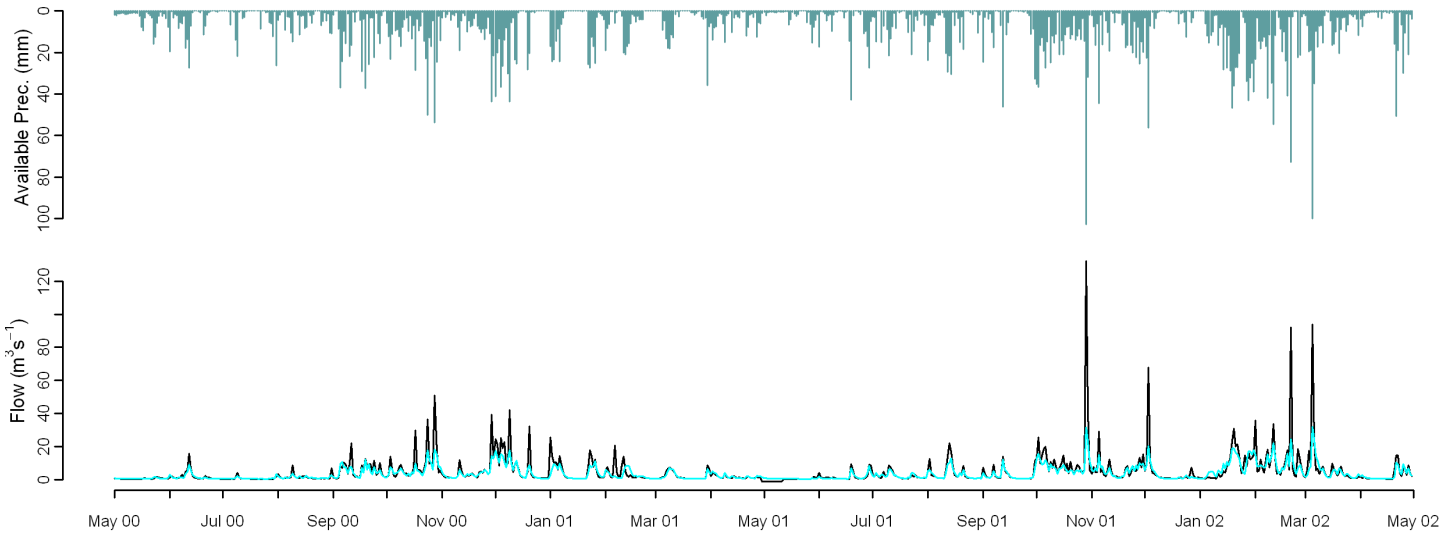


Observed Data	Comparison of gauged and simulated flow								Model used: CERF						
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe	
MORECS (1971-2005)	2.5	4.5	5.8	10.1	12.0	5.7	-6.7	-15.9	-9.8	-1.5	-2.8	3.8	1.3	0.63	
Performance Band	1	1	1	2	2	1	2	2	1	1	1	1	1	2	
MORECS (1962-1991)	9.3	9.9	15.7	15.5	19.2	9.7	-2.7	-13.9	-5.7	7.3	3.8	14.3	12.5	0.71	
	Q90	Q75		Q50		Q25		Q5		RP2		RP5		RP10	RP20
MORECS (1971-2005)	15.9	-7.9		6.7		3.4		4.0							
Performance Band	1	1		1		1		1							
MORECS (1962-1991)	11.7	-12.3		3.4		8.2		8.4							

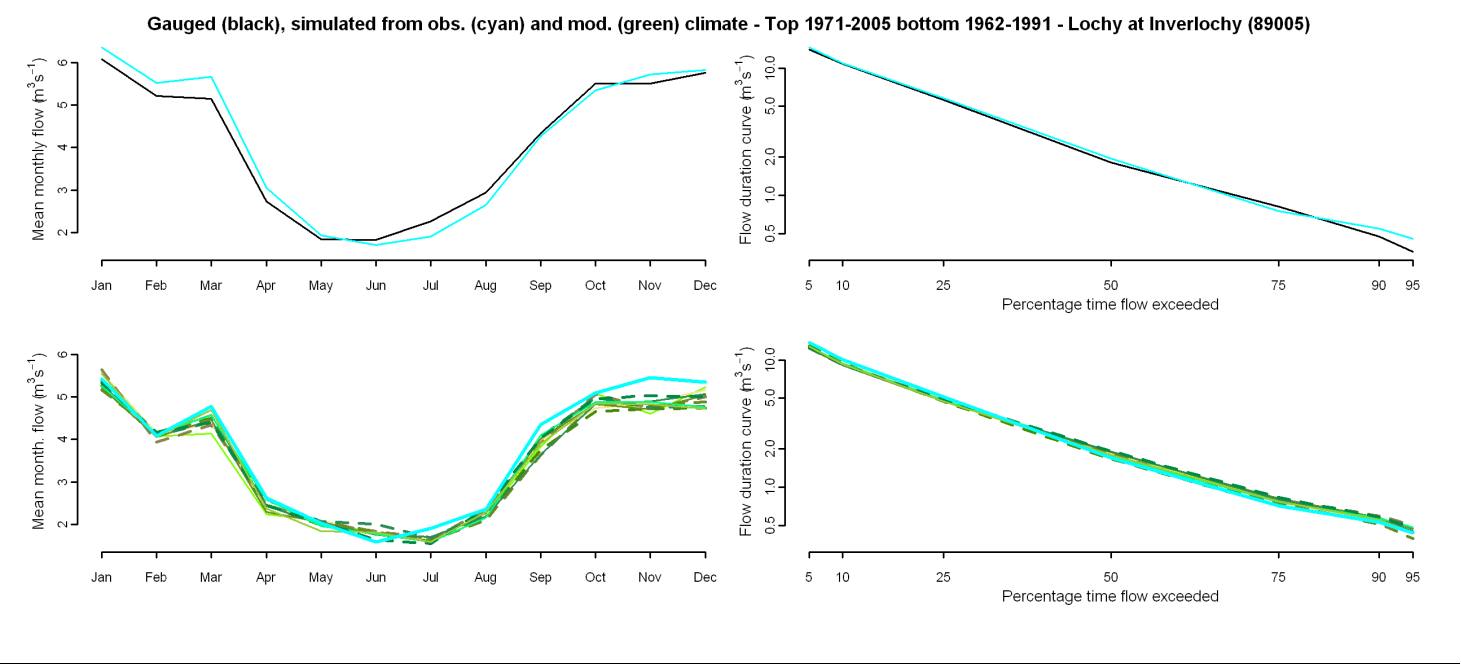
Gauged (black) and simulated (cyan) flows from observed climate - Lochy at Inverlochy (89005)



Gauged (black) and simulated (cyan) flows from observed climate - Lochy at Inverlochy (89005)



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	-5	-5	-4	-1	-5	-6	-4	-3	-4	-4	-5
January	2	1	2	2	-3	-1	-5	-1	-6	-3	8
April	-14	-6	-11	-3	-10	-7	-7	-3	-1	-6	-11
July	-11	-12	-13	-5	-15	-15	-4	-10	-17	-17	-17
October	1	-3	-7	2	-4	-3	-1	-2	-3	-2	-1
Q90	6	1	2	12	5	-3	5	9	7	10	4
Q75	10	1	5	15	11	2	10	13	8	16	8
Q50	11	-1	6	14	9	5	11	12	5	12	6
Q25	-7	-8	-5	-4	-8	-8	-7	-5	-6	-7	-8
Q5	-11	-6	-8	-8	-9	-7	-9	-8	-7	-10	-7
RP2	-3	0	-3	-3	-4	-7	-6	-1	-5	-4	1
RP10	-7	-6	-9	-8	-5	-11	-14	-4	-9	-6	-2

Climate change graphs for 2050s

