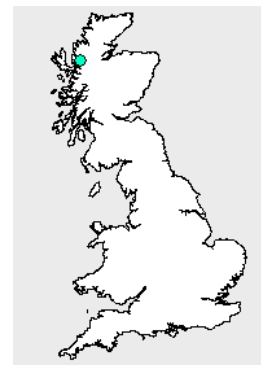


General Information

River Name	Carron	Catchment Area (km2)	138
Station Name	New Kelso	SAAR (mm) 61-90	2611
Station Number	93001	Mean Annual Rain (mm) 62-91	2676
Grid Reference	NG942429	Mean Annual PE (mm) 62-91	429
EA Region	SEPA-NW	Observed flow record	1979 to 2005



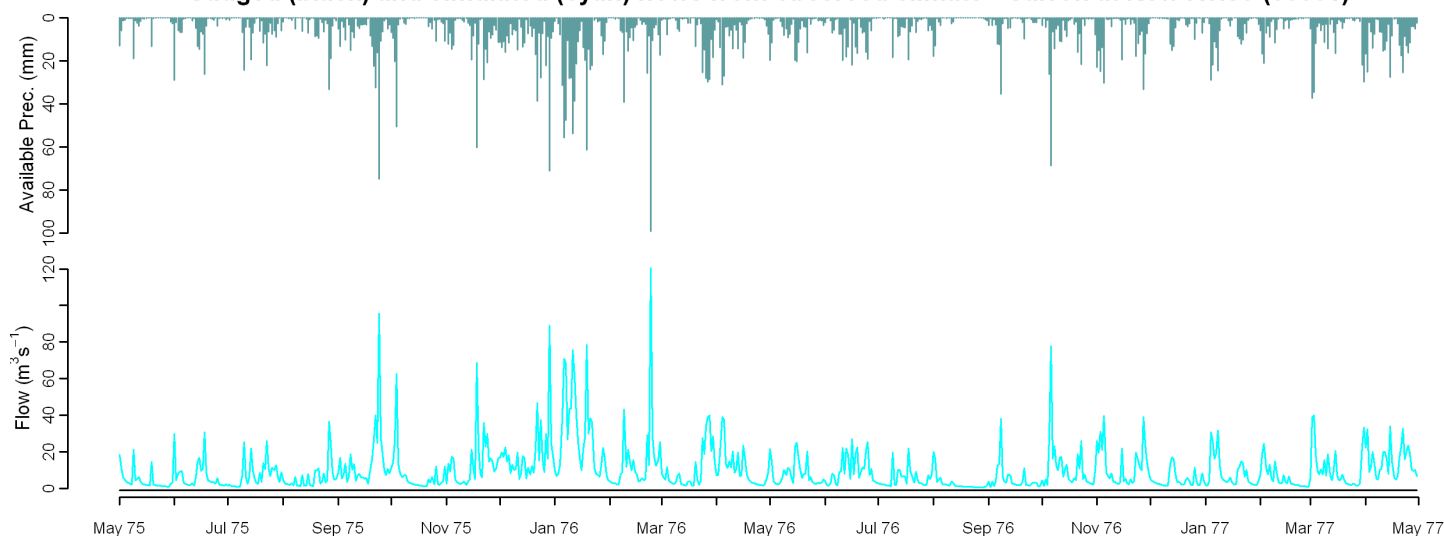
Observed Data

Comparison of gauged and simulated flow

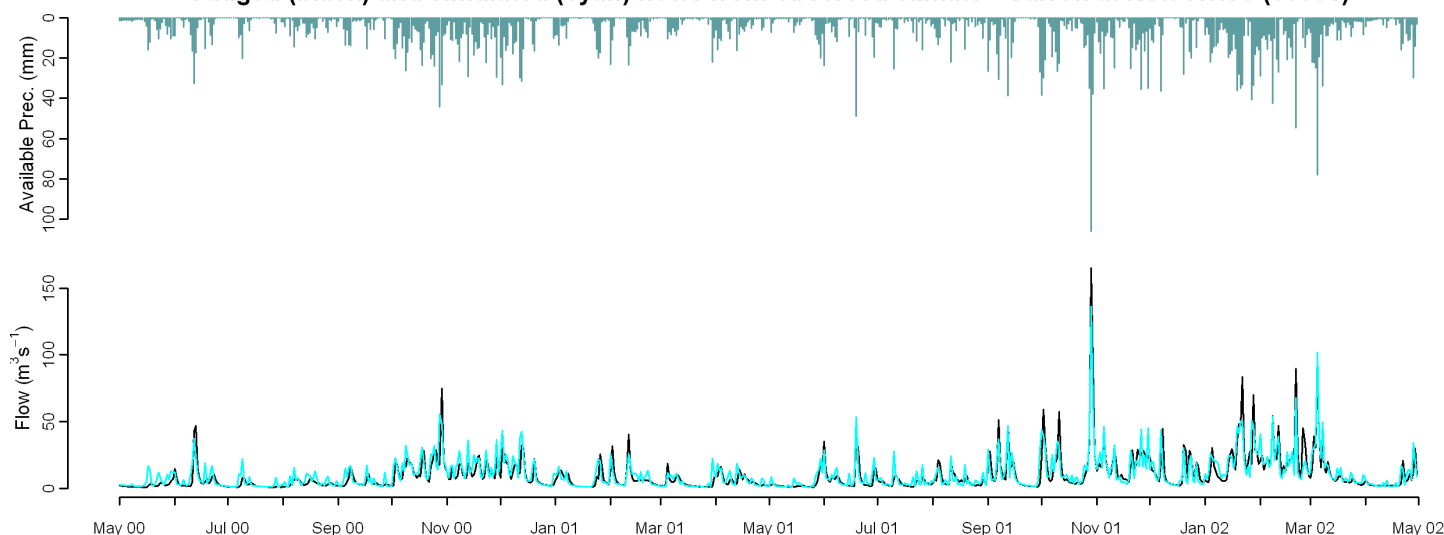
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	9.2	2.2	2.4	5.9	14.1	31.5	31.9	18.6	20.6	10.8	10.6	7.6	0.1	0.71
Performance Band	1	1	1	1	2	3	3	2	2	2	2	1	1	1
FAO (1962-1991)	10.5	3.9	11.1	8.6	18.4	23.3	49.8	16.5	17.1	8.2	10.9	8.6	0.1	0.69
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	14.6	19.9	26.1	17.7	3.4			-18.6	-24.1	-27.2	-29.8			
Performance Band	1	1	2	2	1									
FAO (1962-1991)	14.7	17.7	30.3	19.3	0.7			-20.1	-26.0	-28.0	-28.9			

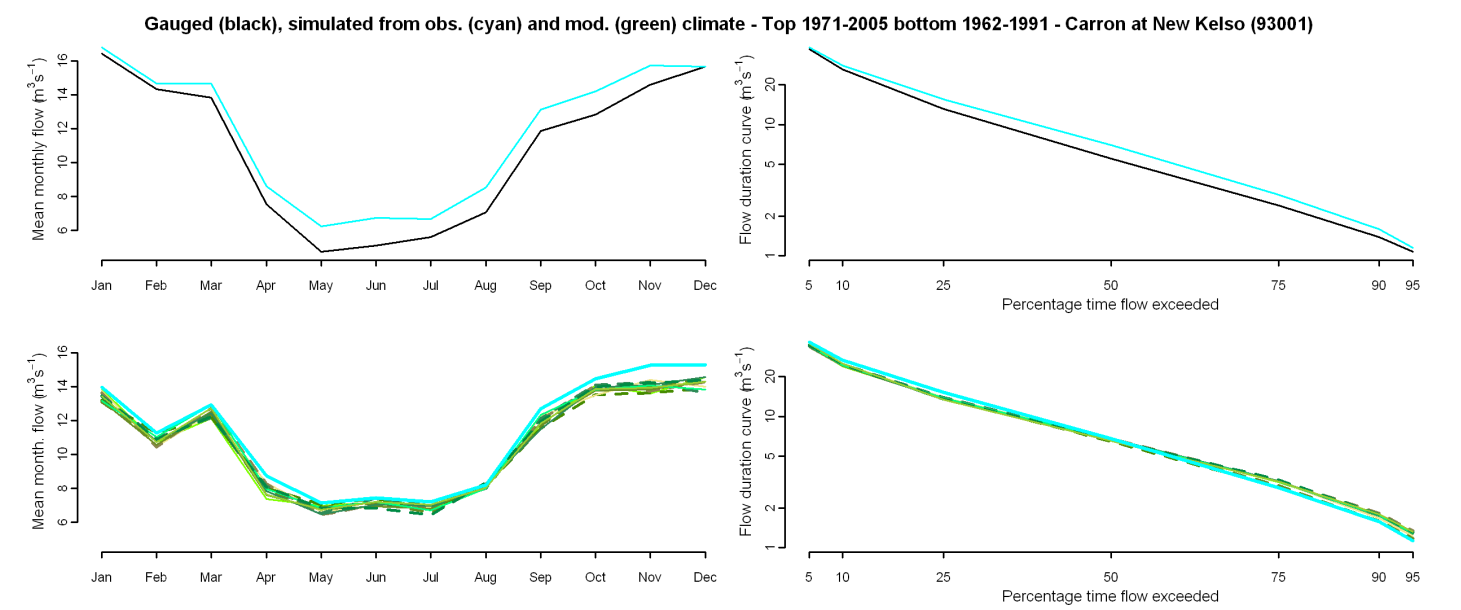
Gauged (black) and simulated (cyan) flows from observed climate - Carron at New Kelso (93001)



Gauged (black) and simulated (cyan) flows from observed climate - Carron at New Kelso (93001)



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

Climate change graphs for 2050s

