

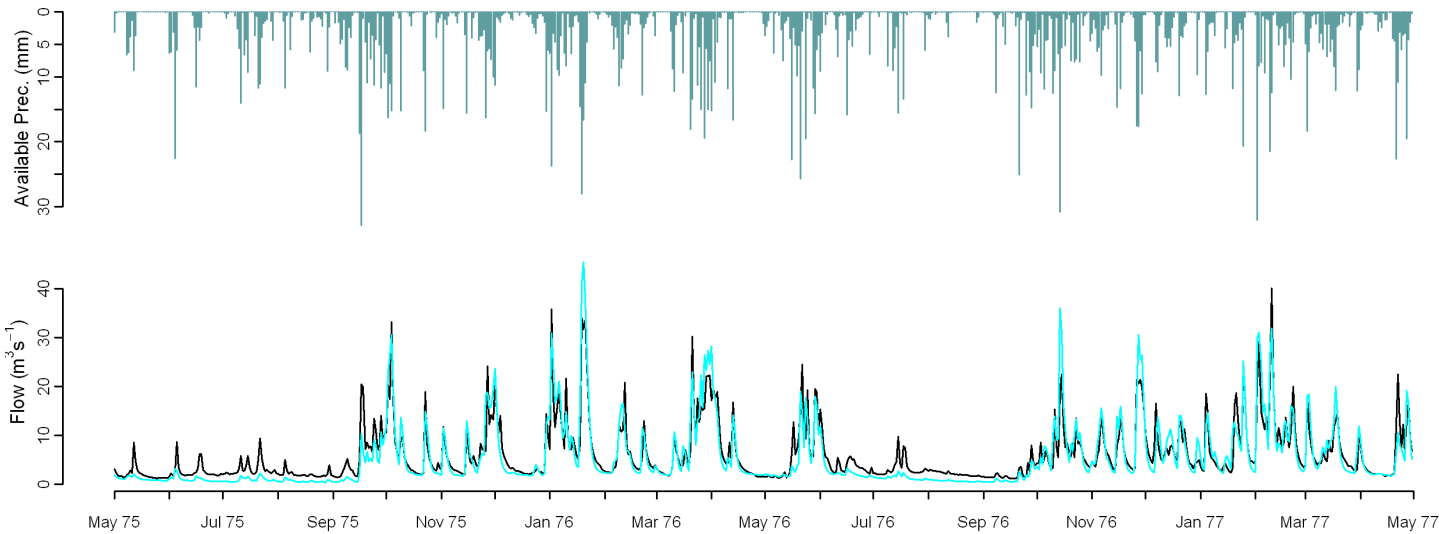
General Information

River Name	Kelvin	Catchment Area (km2)	235
Station Name	Dryfield	SAAR (mm) 61-90	1257
Station Number	84015	Mean Annual Rain (mm) 62-91	1294
Grid Reference	NS638739	Mean Annual PE (mm) 62-91	509
EA Region	SEPA-SW	Observed flow record	1965 to 1999

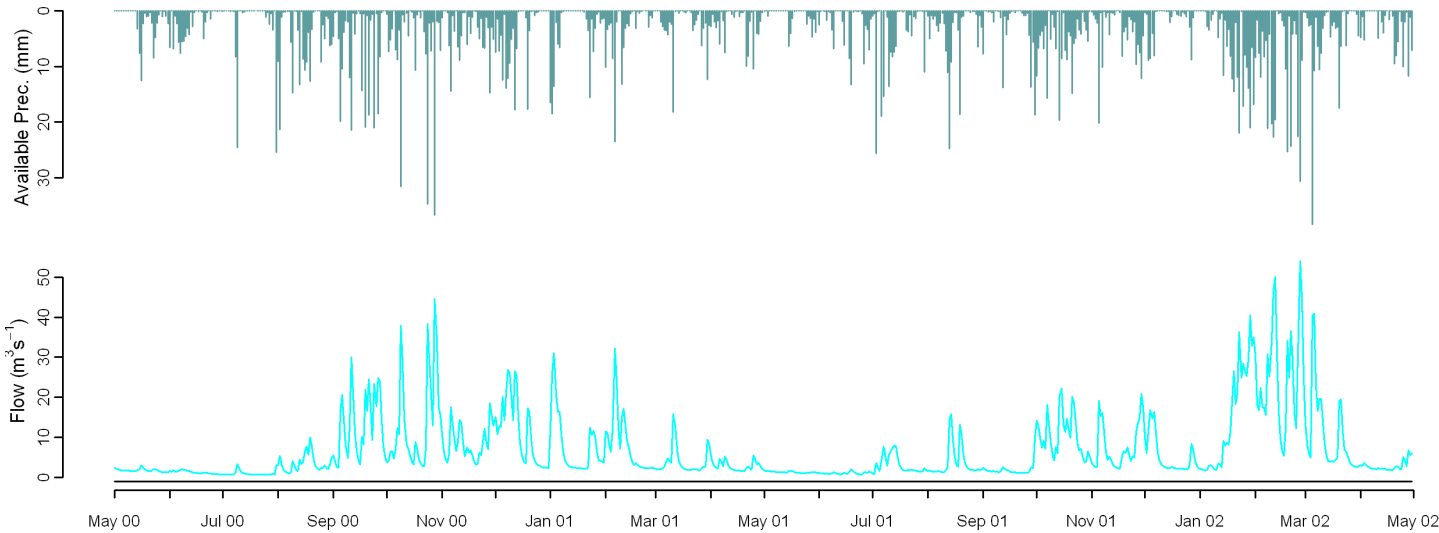


Observed Data	Comparison of gauged and simulated flow													Model used: CERF
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-5.8	11.0	11.9	8.5	-1.1	-16.8	-49.8	-60.4	-45.6	-19.8	1.4	6.5	9.7	0.77
Performance Band	1	1	1	1	1	2	3	3	3	1	1	1	1	1
MORECS (1962-1991)	-1.4	10.2	11.6	9.9	-0.5	-12.2	-37.8	-53.4	-35.4	-9.4	7.7	7.9	9.9	0.79
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	-40.6	-36.2	-38.1	-2.7	14.4									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-28.2	-24.1	-31.3	1.6	14.7									

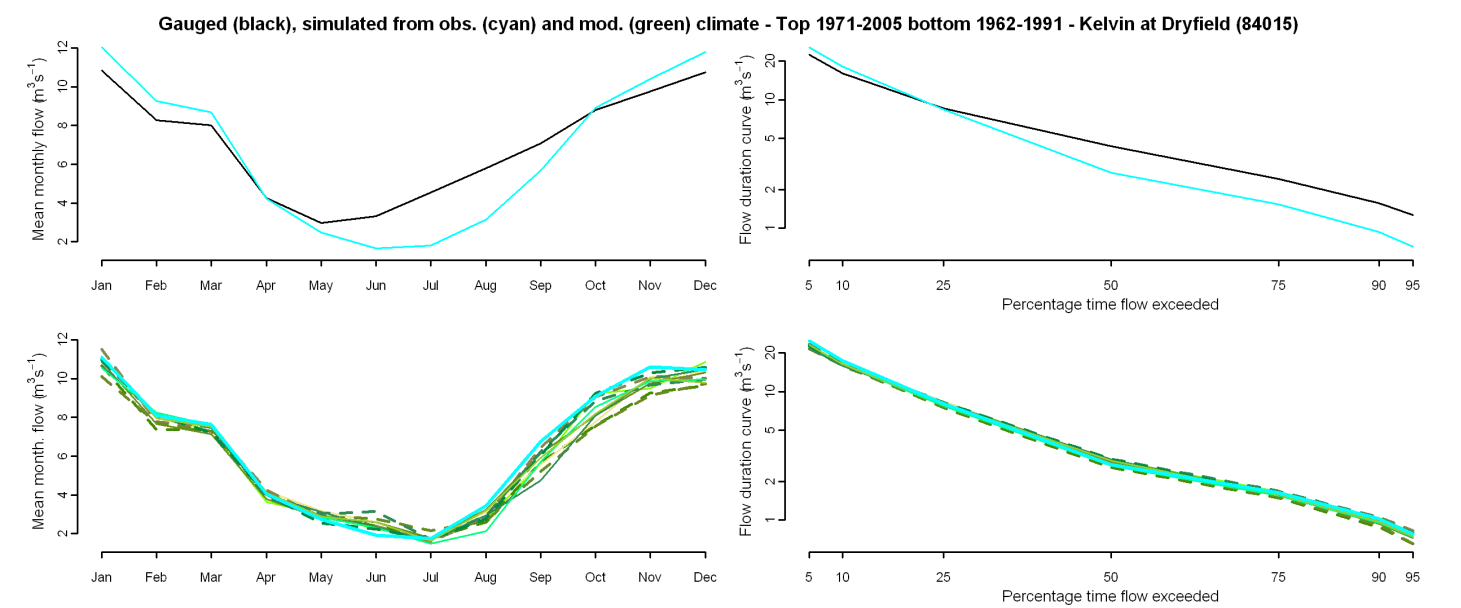
Gauged (black) and simulated (cyan) flows from observed climate - Kelvin at Dryfield (84015)



Gauged (black) and simulated (cyan) flows from observed climate - Kelvin at Dryfield (84015)



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

Climate change graphs for 2050s

