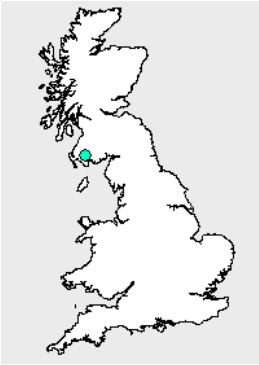


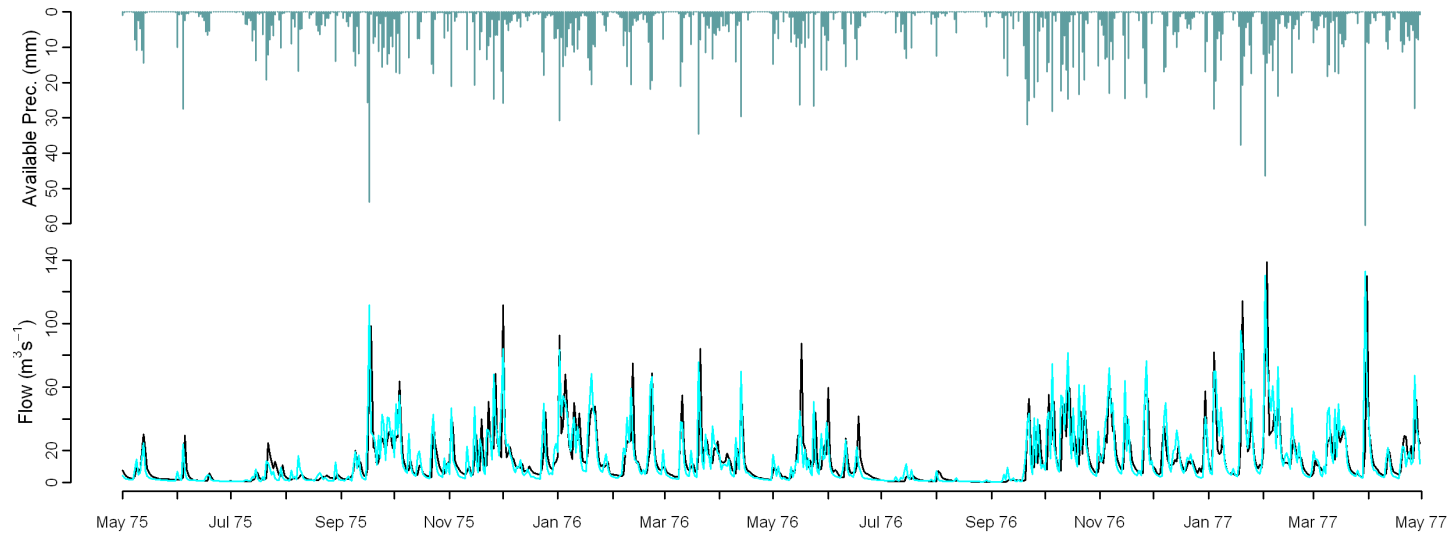
General Information

River Name	Cree	Catchment Area (km2)	368
Station Name	Newton Stewart	SAAR (mm) 61-90	1760
Station Number	81002	Mean Annual Rain (mm) 62-91	1799
Grid Reference	NX412653	Mean Annual PE (mm) 62-91	492
EA Region	SEPA-SW	Observed flow record	1963 to 2005

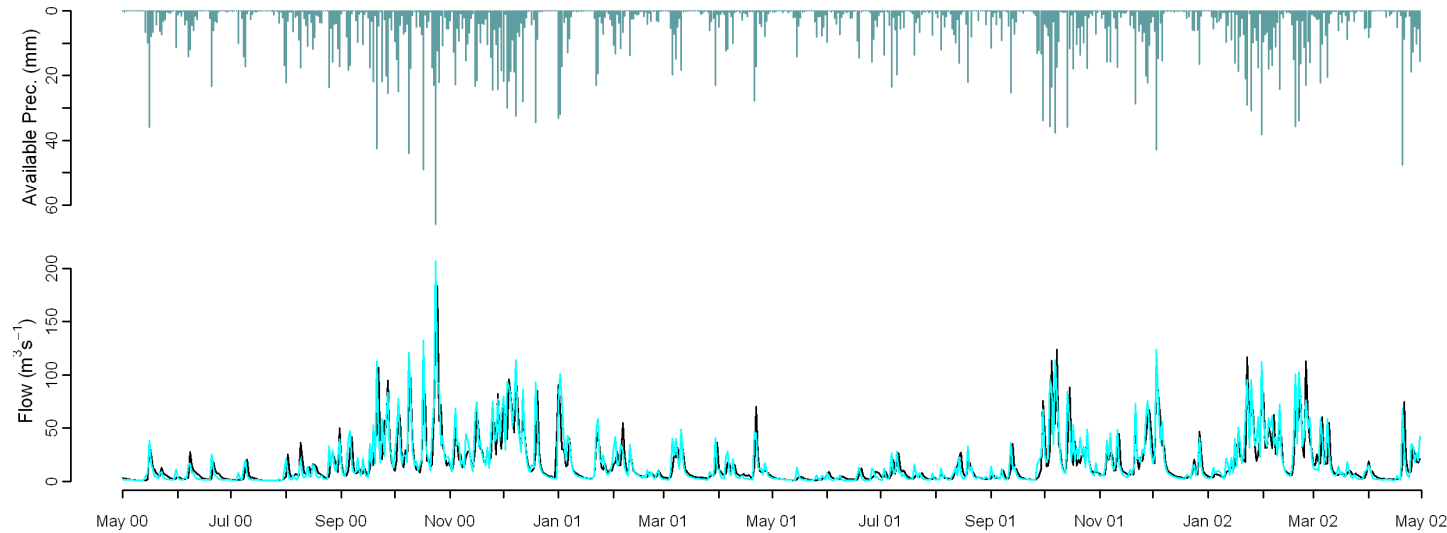


Observed Data	Comparison of gauged and simulated flow													Model used: PDM
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	3.5	7.4	9.3	6.2	-1.8	-12.5	-11.4	-14.6	-4.9	-0.5	8.0	9.0	5.6	0.57
Performance Band	1	1	1	1	1	2	2	2	1	1	1	1	1	2
FAO (1962-1991)	4.7	7.2	10.0	9.2	-0.9	-5.6	-9.1	-17.1	-3.7	2.0	8.1	11.6	7.7	0.56
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	-20.5	-21.3	-11.2	8.5	7.2	-3.0		-3.2		-3.5		-4.0		
Performance Band	1	1	1	1	1									
FAO (1962-1991)	-21.9	-18.9	-8.2	8.7	6.1	-1.9		-1.3		0.1		1.8		

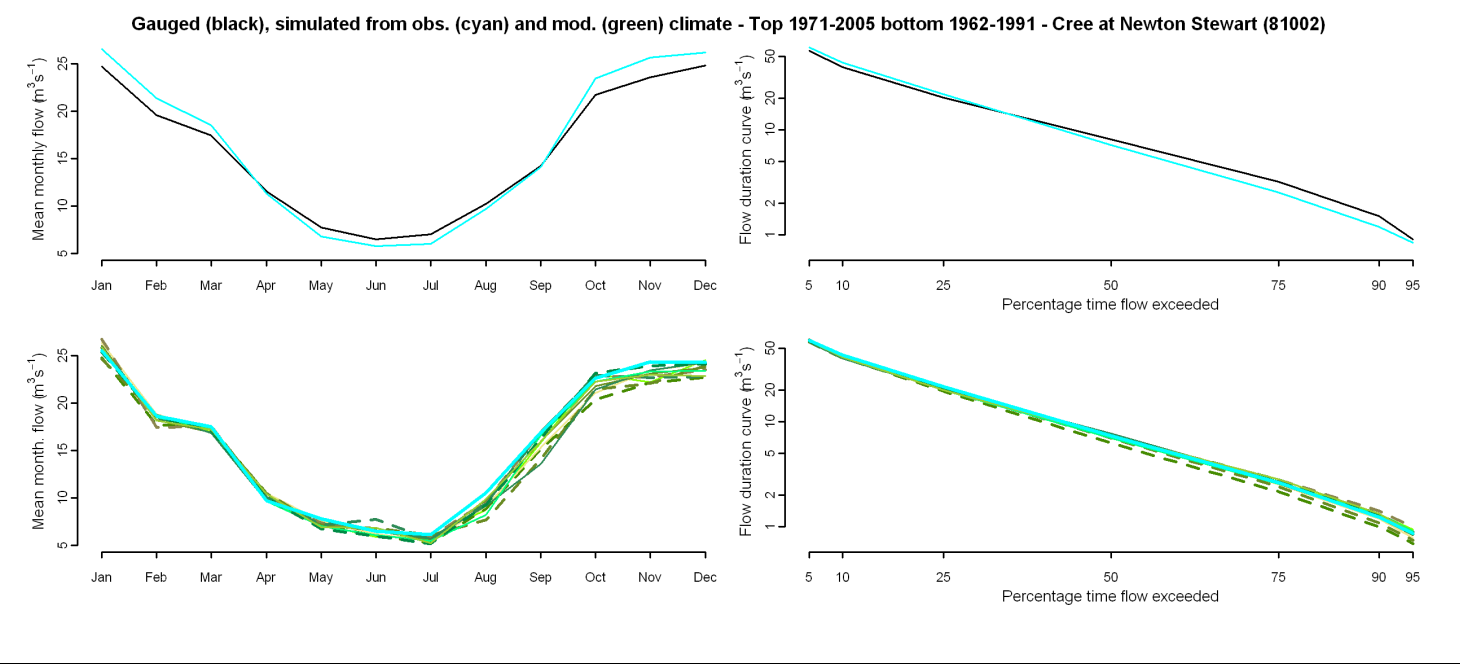
Gauged (black) and simulated (cyan) flows from observed climate - Cree at Newton Stewart (81002)



Gauged (black) and simulated (cyan) flows from observed climate - Cree at Newton Stewart (81002)



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

Climate change graphs for 2050s

