

General Information

River Name	Deveron	Catchment Area (km ²)	955
Station Name	Muiresk	SAAR (mm) 61-90	927
Station Number	9002	Mean Annual Rain (mm) 62-91	944
Grid Reference	NJ705498	Mean Annual PE (mm) 62-91	539
EA Region	SEPA-NW	Observed flow record	1961 to 2005



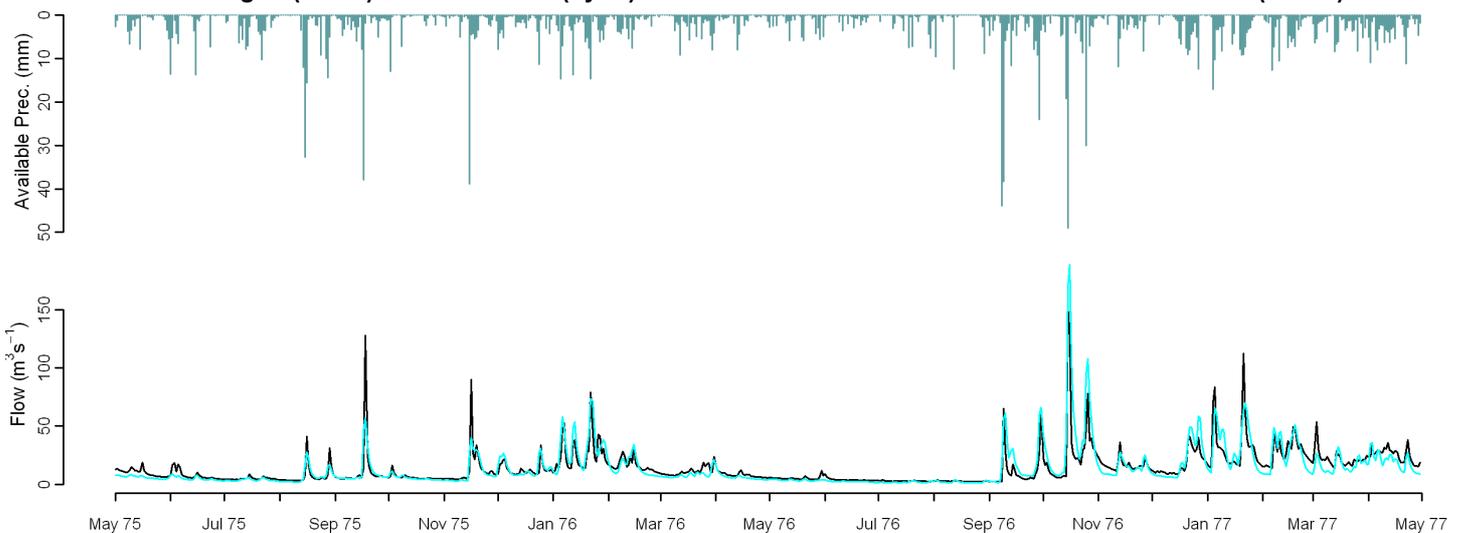
Observed Data

Comparison of gauged and simulated flow

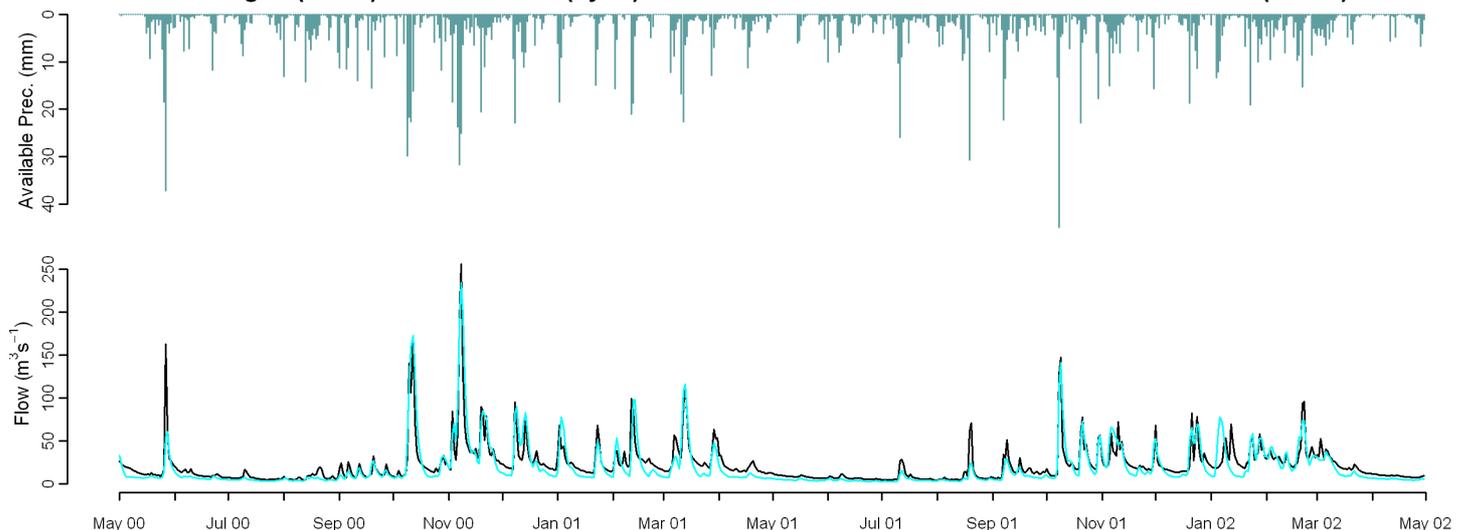
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-10.2	-4.5	-8.3	-18.6	-22.2	-32.2	-32.8	-26.3	-23.5	-5.6	5.3	4.8	-1.7	0.67
Performance Band	2	1	1	2	2	2	3	2	2	1	1	1	1	1
MORECS (1962-1991)	-10.0	-1.3	-5.0	-15.1	-24.3	-25.9	-33.3	-27.8	-12.1	-10.9	-1.1	7.4	-0.4	0.63
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	-29.4	-26.4	-31.4	-21.3	13.1									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-27.7	-26.1	-32.1	-17.7	14.6									

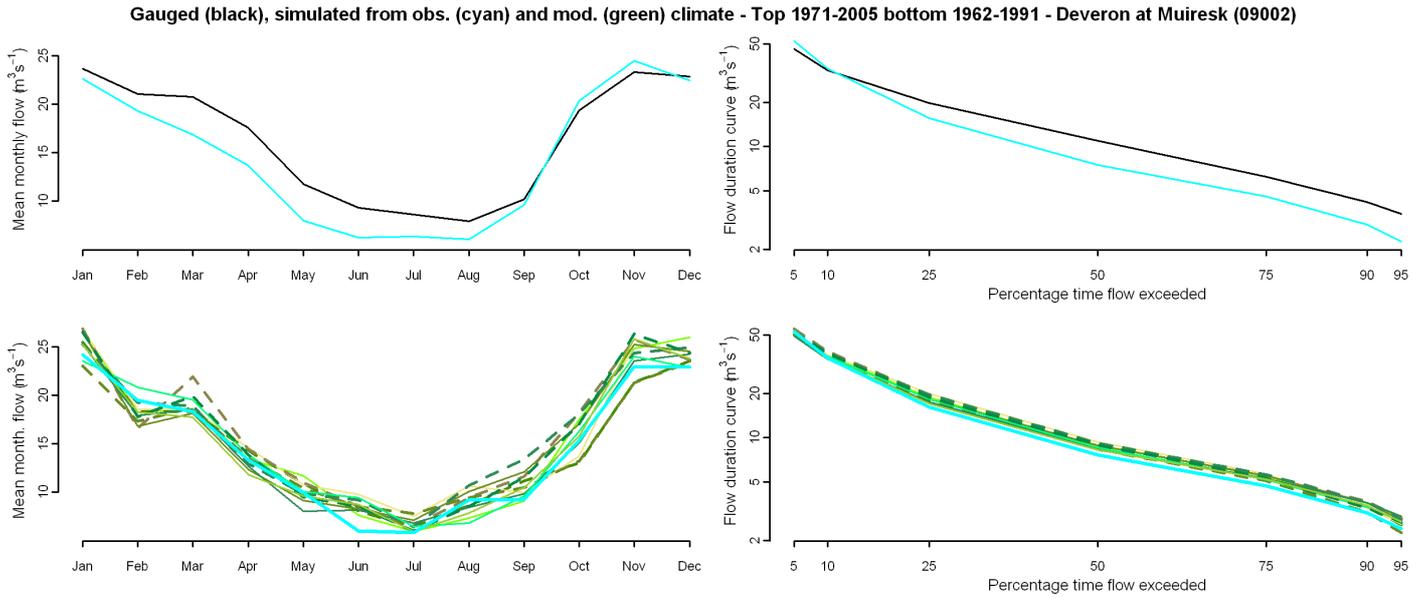
Gauged (black) and simulated (cyan) flows from observed climate - Deveron at Muiresk (09002)



Gauged (black) and simulated (cyan) flows from observed climate - Deveron at Muiresk (09002)



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	8	6	13	13	5	2	3	10	4	10	5
January	12	4	13	11	8	-2	4	3	-6	11	5
April	0	8	10	9	-8	-1	-6	3	5	3	-11
July	4	12	36	13	21	13	20	10	10	3	4
October	16	-11	-9	31	9	-12	0	10	7	12	14
Q90	14	9	9	21	11	-1	14	14	6	4	13
Q75	15	11	21	21	13	5	11	18	8	10	11
Q50	15	10	24	20	13	7	11	19	12	16	8
Q25	16	12	24	20	10	7	9	20	12	15	5
Q5	0	-4	-5	4	-4	-6	-5	-1	-5	0	-1
RP2	-4	-2	1	4	3	3	-3	-3	-4	1	2
RP10	-7	-4	-2	-11	12	-3	11	2	1	-1	1

Climate change graphs for 2050s

