

General Information

River Name	Deveron	Catchment Area (km2)	442
Station Name	Avochie	SAAR (mm) 61-90	987
Station Number	9001	Mean Annual Rain (mm) 62-91	1011
Grid Reference	NJ532464	Mean Annual PE (mm) 62-91	514
EA Region	SEPA-NW	Observed flow record	1961 to 2005



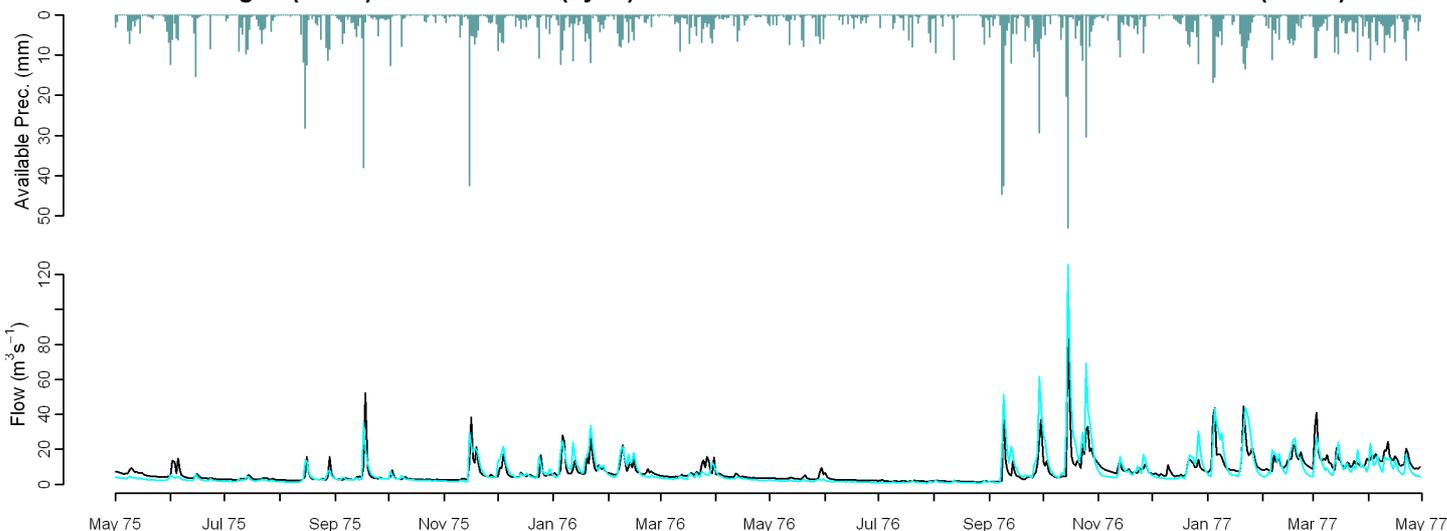
Observed Data

Comparison of gauged and simulated flow

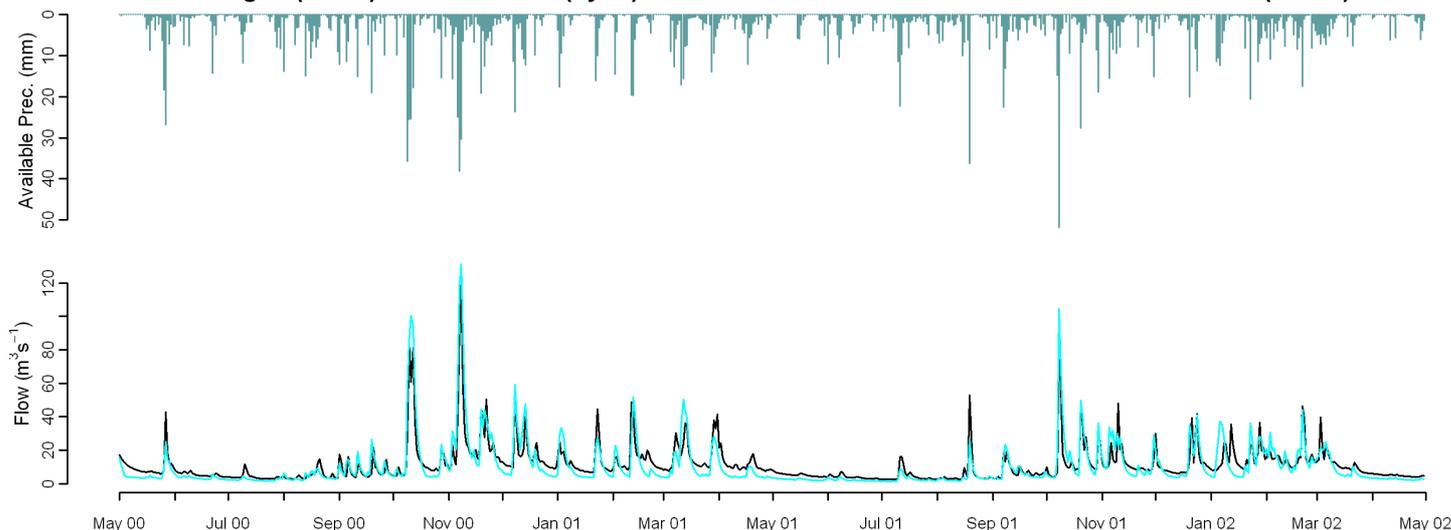
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-4.2	3.0	-5.0	-13.2	-19.0	-32.0	-28.9	-22.8	-16.8	4.3	19.6	14.6	6.4	0.56
Performance Band	1	1	1	2	2	2	2	2	2	1	1	1	1	2
MORECS (1962-1991)	-4.1	5.2	-3.0	-7.1	-19.6	-24.8	-28.6	-25.6	-6.5	-3.6	14.4	17.4	6.3	0.51
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	-33.7	-29.4	-30.3	-12.1	23.1									
Performance Band	1	1	1	2	2									
MORECS (1962-1991)	-32.9	-28.1	-30.8	-13.2	28.4									

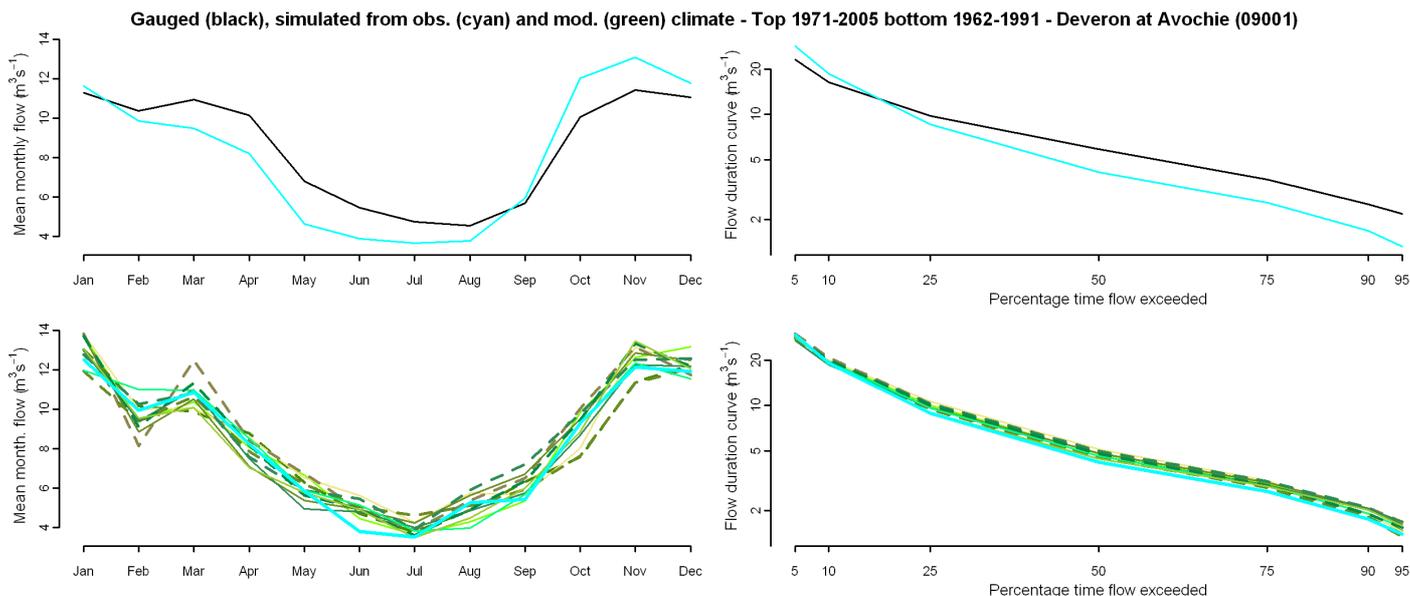
Gauged (black) and simulated (cyan) flows from observed climate - Deveron at Avochie (09001)



Gauged (black) and simulated (cyan) flows from observed climate - Deveron at Avochie (09001)



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	4	9	10	2	1	2	7	2	7	2
January	12	3	13	11	7	-1	3	1	-8	11	6
April	-3	6	5	2	-14	-7	-11	-3	5	-1	-14
July	5	8	31	13	20	13	16	11	9	2	1
October	7	-14	-12	19	2	-16	-3	-1	2	3	6
Q90	14	8	8	21	12	1	14	16	7	4	15
Q75	13	9	18	17	12	5	10	15	7	8	8
Q50	15	9	23	17	12	7	10	19	10	14	5
Q25	12	10	21	16	6	5	8	16	7	12	1
Q5	-4	-5	-6	1	-6	-7	-7	-3	-6	-3	-3
RP2	-8	-5	-7	2	3	-4	-3	-5	-3	0	2
RP10	-12	-5	-7	-10	11	-9	5	-4	-2	-2	-4

Climate change graphs for 2050s

