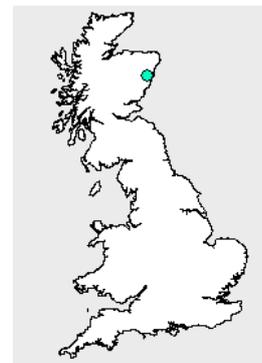


General Information

River Name	Dee	Catchment Area (km ²)	1844
Station Name	Park	SAAR (mm) 61-90	1081
Station Number	12002	Mean Annual Rain (mm) 62-91	1110
Grid Reference	NO798983	Mean Annual PE (mm) 62-91	474
EA Region	SEPA-NE	Observed flow record	1972 to 2005



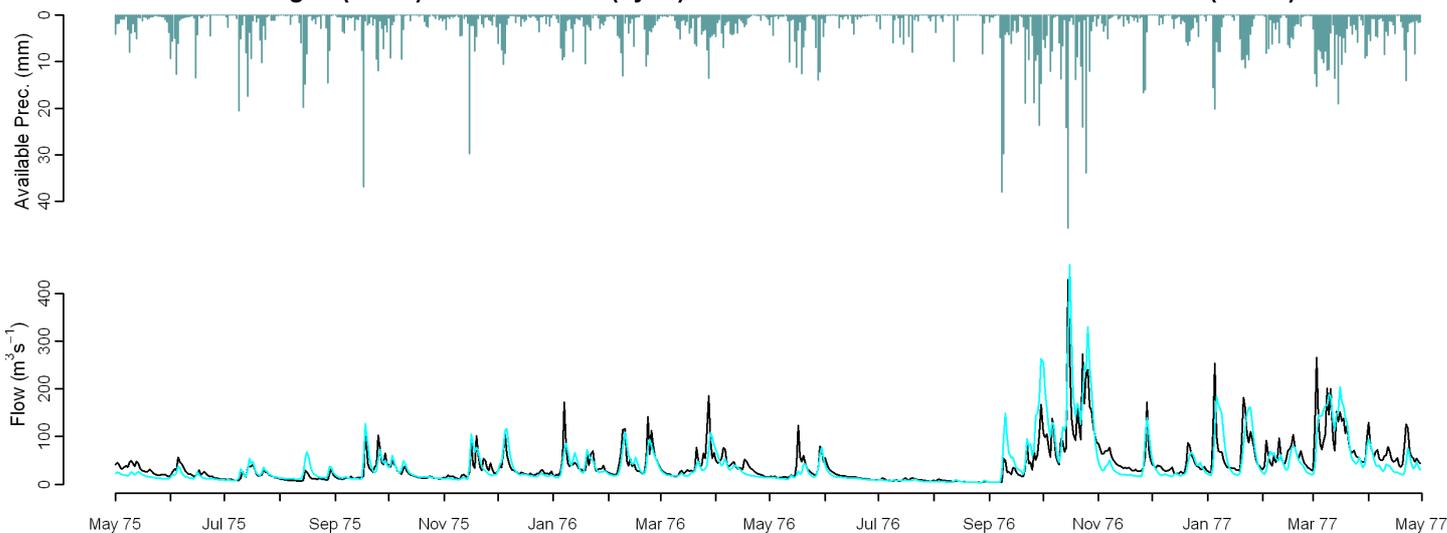
Observed Data

Comparison of gauged and simulated flow

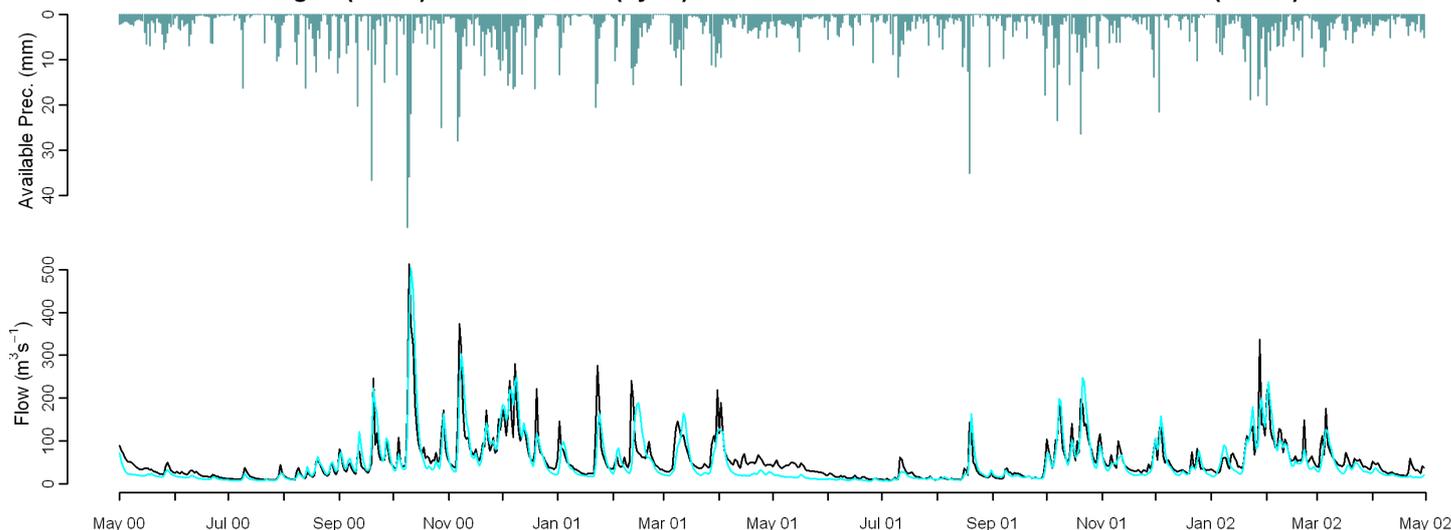
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-7.7	-6.8	-9.6	-15.1	-18.8	-25.8	-23.1	-7.7	3.2	5.5	5.8	-0.1	-0.9	0.65
Performance Band	1	2	1	2	2	2	2	1	1	2	1	1	1	2
MORECS (1962-1991)	-5.9	-3.8	-4.3	-10.4	-22.7	-24.9	-19.9	-5.3	1.5	4.0	7.2	5.2	0.0	0.63
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-15.3	-22.3	-26.4	-9.6	8.7									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-15.6	-21.4	-25.1	-8.3	9.3									

Gauged (black) and simulated (cyan) flows from observed climate - Dee at Park (12002)

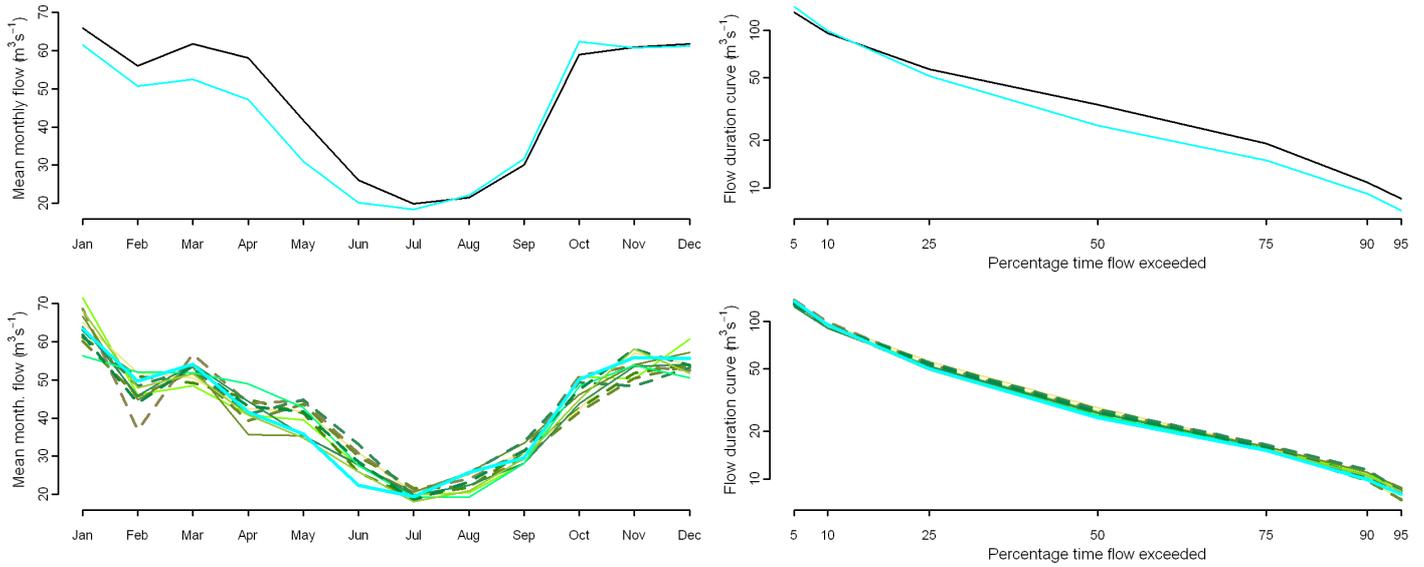


Gauged (black) and simulated (cyan) flows from observed climate - Dee at Park (12002)



Comparison of gauged and simulated flow (observed and modelled climate)

Gauged (black), simulated from obs. (cyan) and mod. (green) climate - Top 1971-2005 bottom 1962-1991 - Dee at Park (12002)



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

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Dee at Park (12002)

