

General Information

River Name	Crane	Catchment Area (km2)	62
Station Name	Cranford Park	SAAR (mm) 61-90	638
Station Number	39057	Mean Annual Rain (mm) 62-91	637
Grid Reference	TQ103778	Mean Annual PE (mm) 62-91	678
EA Region	EA-SE	Observed flow record	1978 to 2005



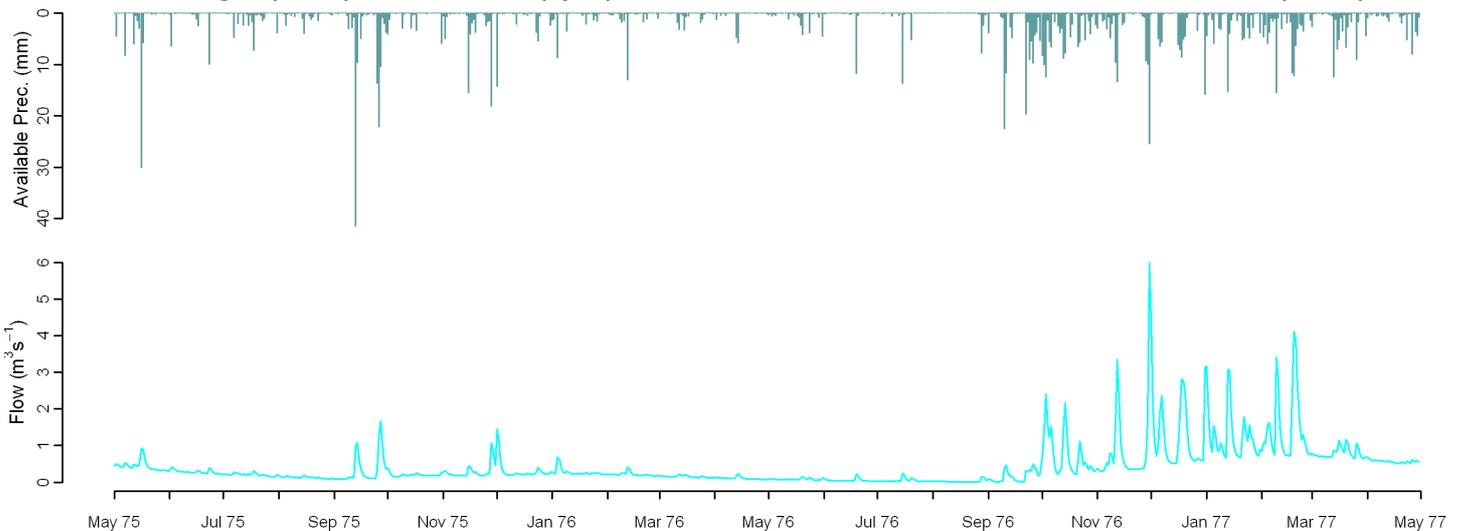
Observed Data

Comparison of gauged and simulated flow

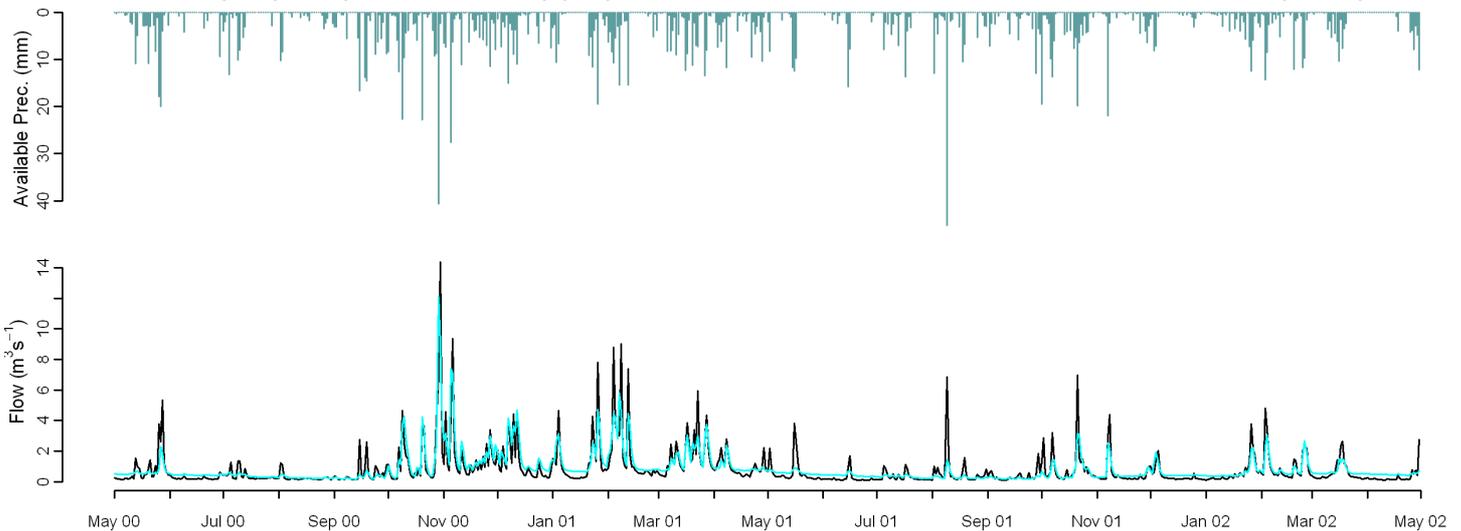
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-13.5	7.3	13.0	-5.2	-15.5	-24.2	-31.6	-33.0	-42.8	-47.9	-25.5	-8.9	-1.1	0.59
Performance Band	3	1	1	2	2	2	3	3	3	3	3	3	2	2
MORECS (1962-1991)	-23.3	-3.8	12.6	-19.8	-18.3	-30.5	-33.7	-35.6	-40.9	-44.6	-36.6	-33.2	-12.0	0.51
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-33.3	-3.6	16.5	-3.2	-20.6									
Performance Band	1	1	3	3	3									
MORECS (1962-1991)	-26.9	-6.8	12.5	-8.8	-34.6									

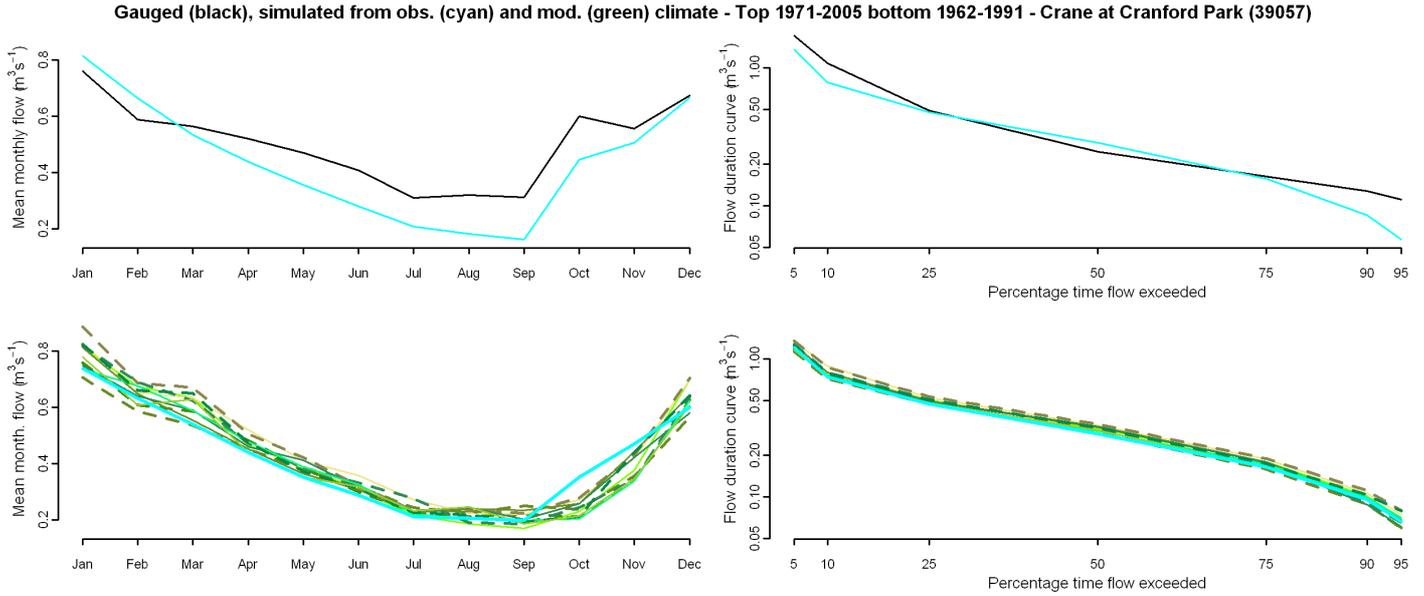
Gauged (black) and simulated (cyan) flows from observed climate - Crane at Cranford Park (39057)



Gauged (black) and simulated (cyan) flows from observed climate - Crane at Cranford Park (39057)



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	-1	11	13	5	-4	3	6	0	6	1
January	10	-1	17	20	11	-4	-1	13	1	14	6
April	8	6	24	18	4	0	8	11	10	9	1
July	6	8	34	14	4	14	14	34	7	9	10
October	-31	-39	-22	-14	-31	-33	-25	-36	-40	-38	-38
Q90	5	-10	10	20	-5	-11	-6	-4	0	7	-1
Q75	9	2	14	16	4	-8	8	5	3	6	0
Q50	9	4	15	17	9	-1	12	12	5	10	4
Q25	6	-2	12	14	4	-2	4	9	1	7	1
Q5	1	-6	11	12	4	-9	-1	7	-1	3	-5
RP2	-12	-12	-2	1	-8	1	-5	-5	-13	7	-2
RP10	-24	4	4	0	-5	14	2	-14	-15	8	-4

Climate change graphs for 2050s

