

General Information

River Name	Dart	Catchment Area (km ²)	248
Station Name	Austins Bridge	SAAR (mm) 61-90	1770
Station Number	46003	Mean Annual Rain (mm) 62-91	1802
Grid Reference	SX751659	Mean Annual PE (mm) 62-91	586
EA Region	EA-SW	Observed flow record	1962 to 2005



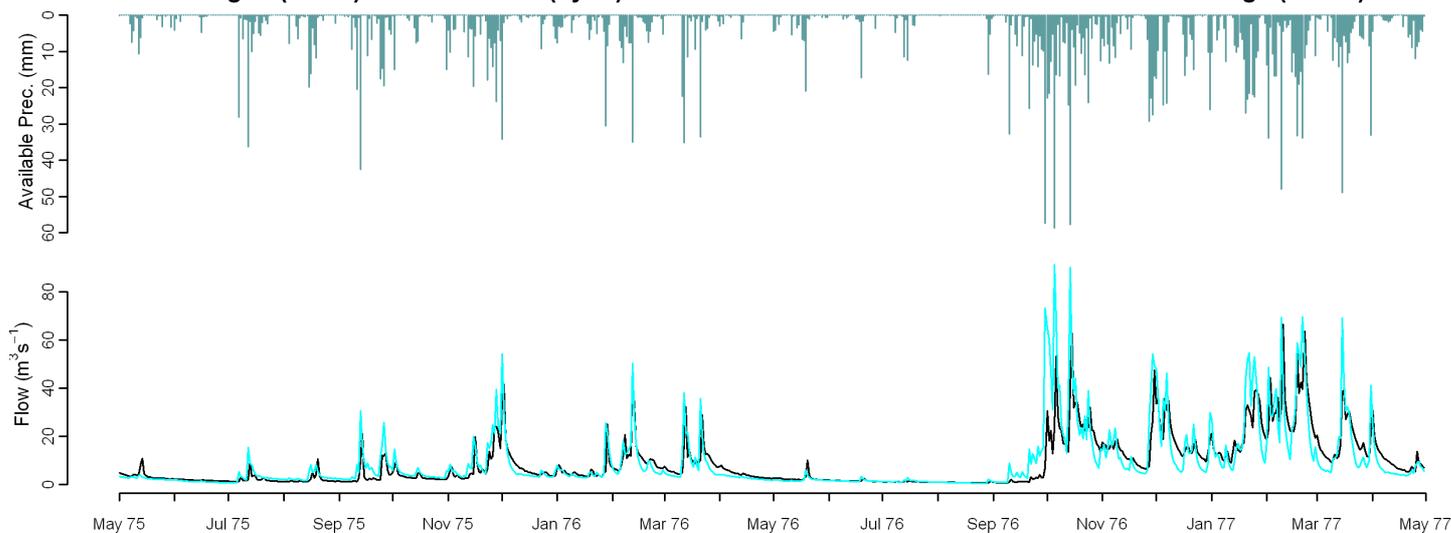
Observed Data

Comparison of gauged and simulated flow

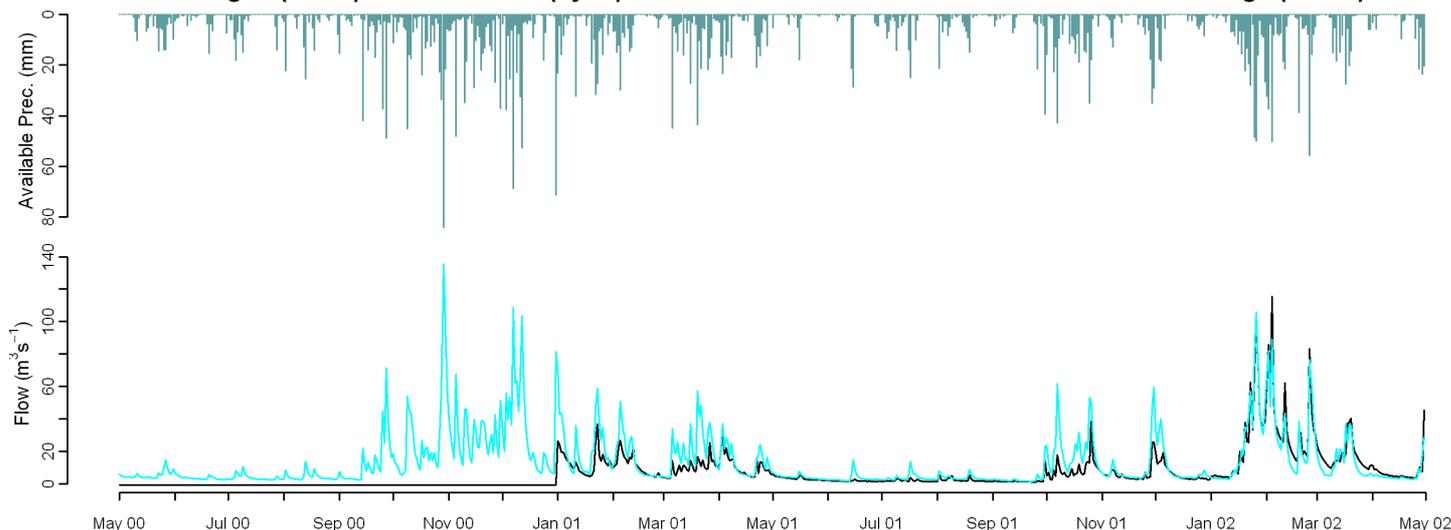
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	5.1	-0.9	-4.6	-3.4	-11.2	-8.5	1.4	14.6	35.9	46.6	31.1	7.5	4.0	0.72
Performance Band	1	1	1	1	2	2	1	1	3	3	2	1	1	1
MORECS (1962-1991)	2.8	-0.9	-6.4	-3.7	-15.1	-14.3	-1.8	8.6	23.4	38.9	23.9	7.6	2.4	0.65
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	15.8	2.7	-17.7	-0.5	24.3									
Performance Band	1	1	2	2	2									
MORECS (1962-1991)	9.3	-6.6	-22.9	-4.6	22.2									

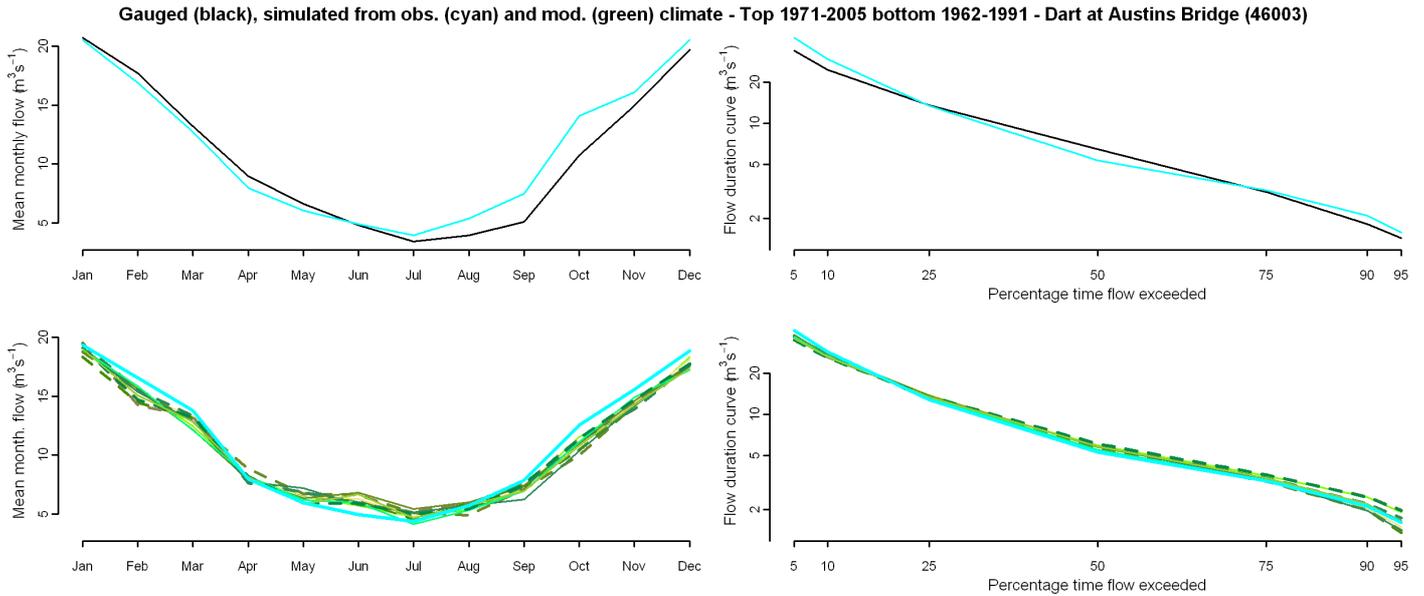
Gauged (black) and simulated (cyan) flows from observed climate - Dart at Austins Bridge (46003)



Gauged (black) and simulated (cyan) flows from observed climate - Dart at Austins Bridge (46003)



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

Climate change graphs for 2050s

