

General Information

River Name	East Dart	Catchment Area (km ²)	22
Station Name	Bellever	SAAR (mm) 61-90	2107
Station Number	46005	Mean Annual Rain (mm) 62-91	2115
Grid Reference	SX657775	Mean Annual PE (mm) 62-91	566
EA Region	EA-SW	Observed flow record	1964 to 2005



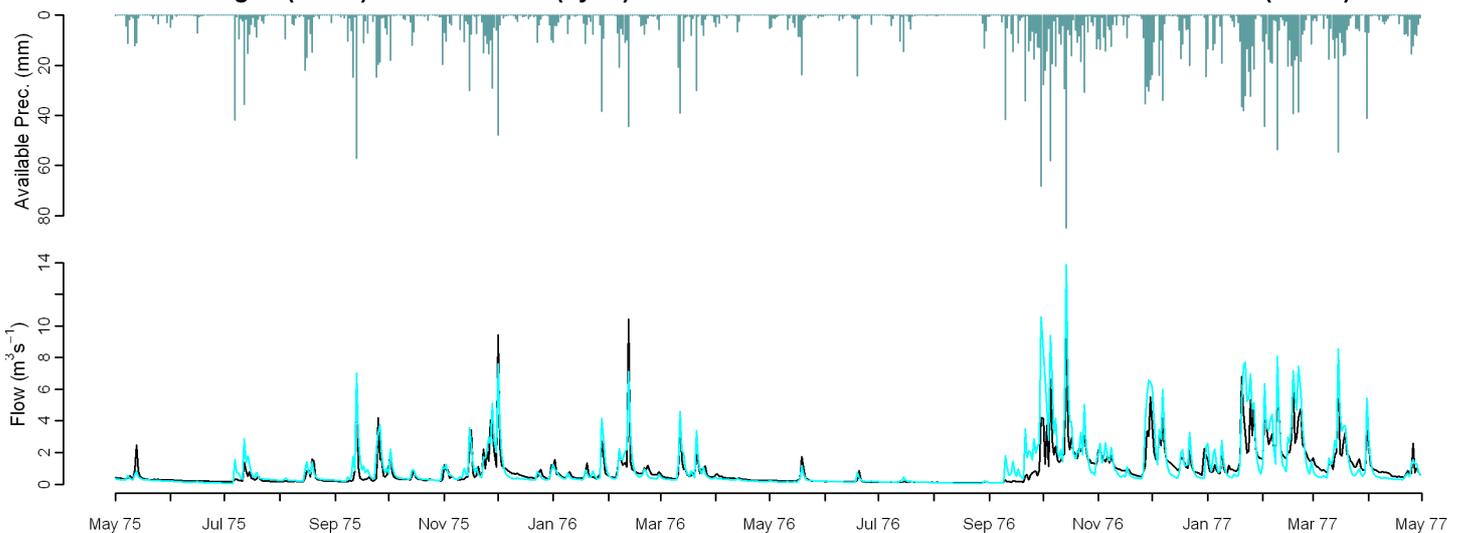
Observed Data

Comparison of gauged and simulated flow

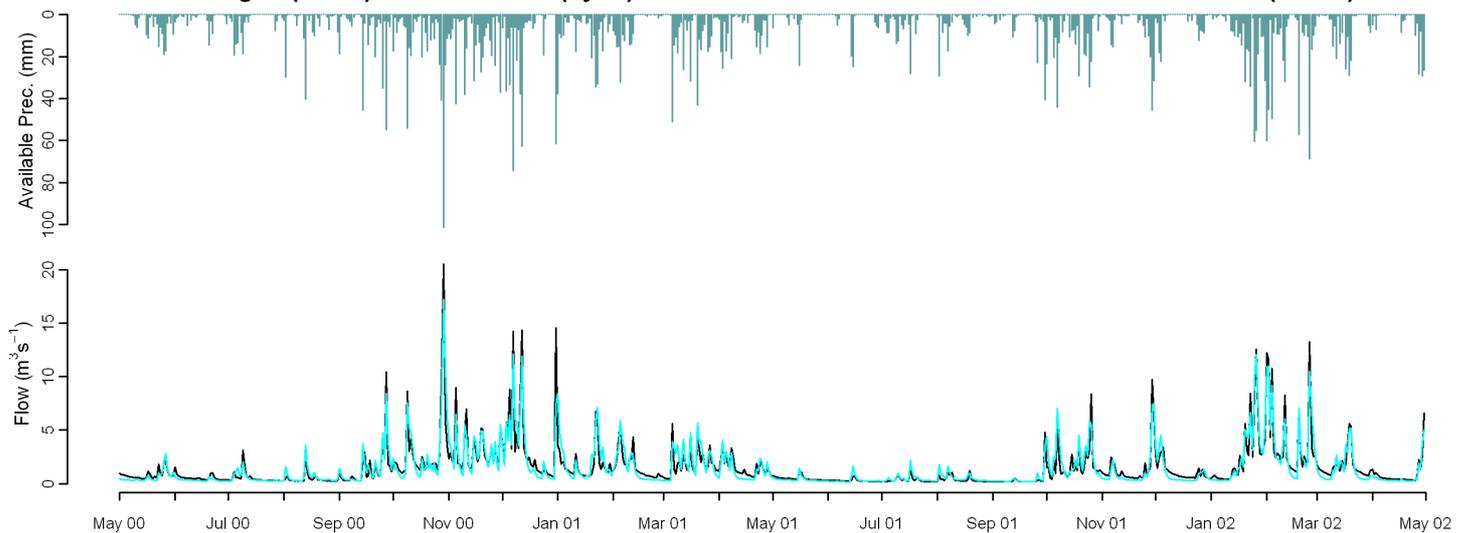
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	2.7	0.1	-3.9	-3.0	-10.2	-7.2	-1.5	5.1	23.2	28.8	16.1	1.1	2.7	0.77
Performance Band	1	1	1	1	2	1	1	1	2	3	1	1	1	1
MORECS (1962-1991)	4.1	3.0	-3.1	0.0	-11.1	-6.4	0.5	8.0	17.5	29.9	15.3	4.6	2.5	0.74
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	-5.8	-14.5	-26.9	2.7	22.3									
Performance Band	1	1	2	2	1									
MORECS (1962-1991)	-1.2	-10.6	-23.5	6.0	18.0									

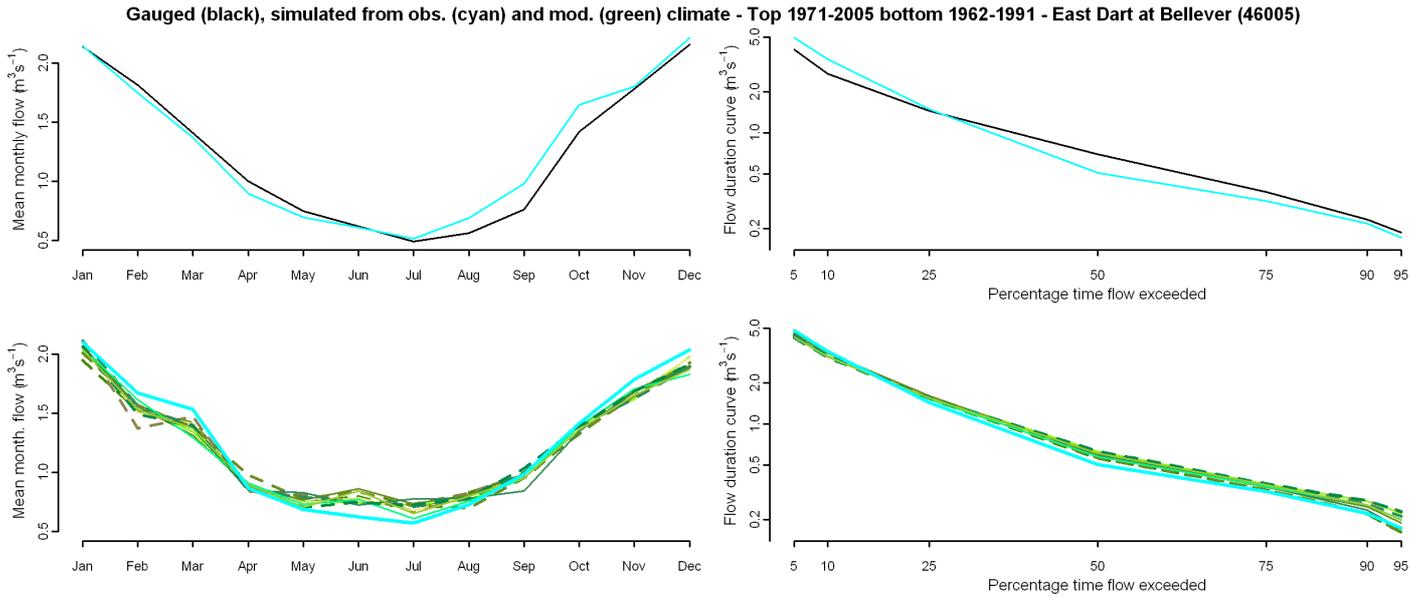
Gauged (black) and simulated (cyan) flows from observed climate - East Dart at Bellever (46005)



Gauged (black) and simulated (cyan) flows from observed climate - East Dart at Bellever (46005)



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	0	-1	0	0	1	-2	1	-2	-2	-1
January	-2	-7	2	-2	-1	-2	-3	2	-4	-5	-1
April	2	1	6	0	4	12	2	-1	3	0	6
July	26	27	18	34	20	31	37	30	12	21	15
October	-1	1	-4	4	-4	-2	2	-4	1	0	-2
Q90	23	0	6	24	8	-2	4	17	13	20	16
Q75	13	5	7	13	6	3	8	10	8	13	11
Q50	24	12	17	21	14	12	21	18	13	23	20
Q25	9	8	12	8	10	11	8	11	5	6	7
Q5	-10	-6	-7	-9	-7	-9	-9	-6	-11	-13	-10
RP2	-9	-5	-12	-7	-12	-7	-1	-7	-3	-9	-9
RP10	-13	-7	-12	-4	-14	-7	-3	-8	0	-4	-14

Climate change graphs for 2050s

