

General Information

River Name	Sprint	Catchment Area (km ²)	35
Station Name	Sprint Mill	SAAR (mm) 61-90	2028
Station Number	73009	Mean Annual Rain (mm) 62-91	2001
Grid Reference	SD514961	Mean Annual PE (mm) 62-91	456
EA Region	EA-NW	Observed flow record	1976 to 2005



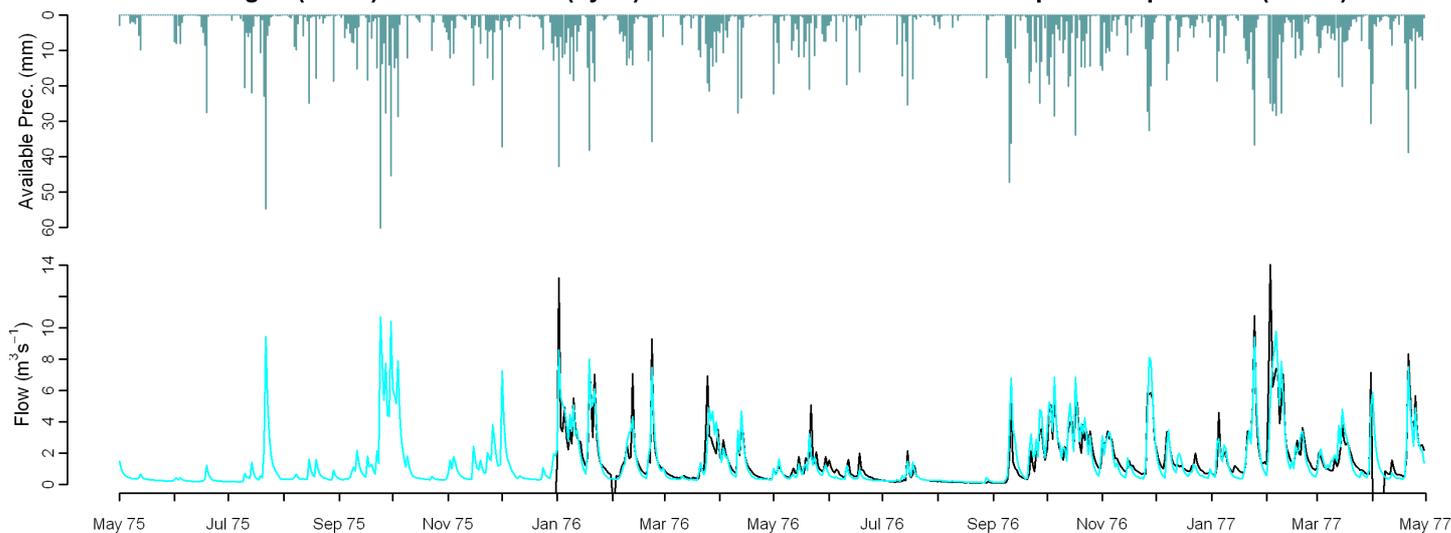
Observed Data

Comparison of gauged and simulated flow

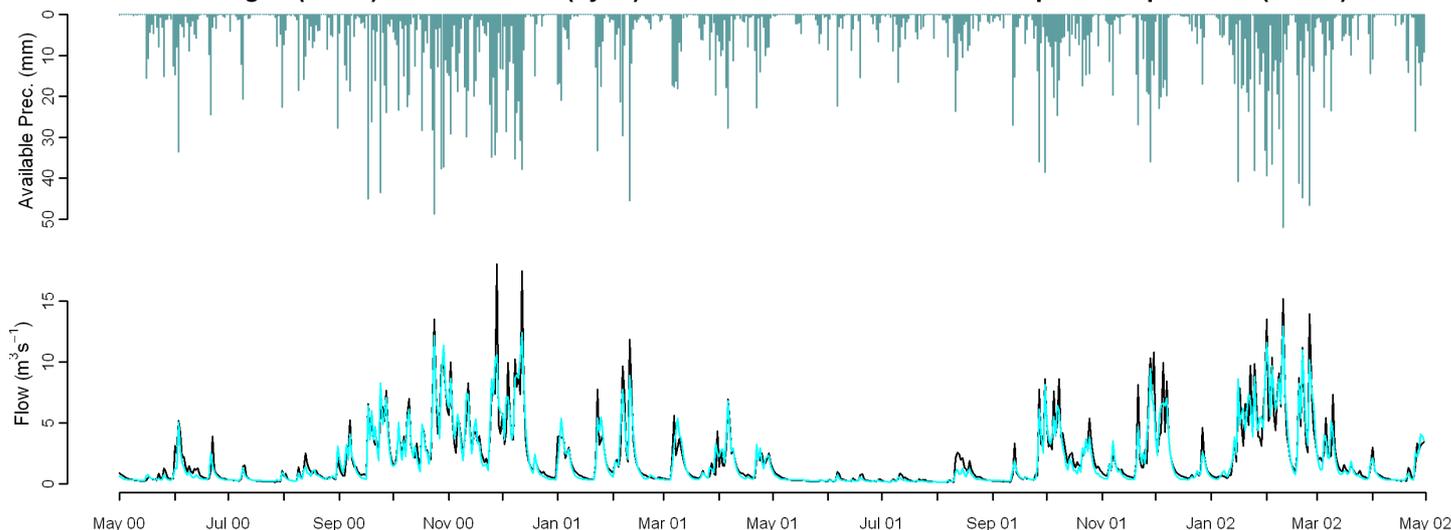
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-2.4	-0.4	-0.7	0.6	-5.4	-13.5	-15.8	-9.7	-5.4	0.7	-0.5	-2.5	0.1	0.85
Performance Band	1	1	1	1	1	2	2	1	1	1	1	1	1	1
MORECS (1962-1991)	-0.2	1.2	-1.9	4.1	-4.0	-10.7	-11.1	-4.2	-4.0	2.7	1.1	-1.1	0.5	0.85
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	3.6	-22.5	-22.4	4.2	3.8									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	2.1	-25.0	-19.4	8.0	5.1									

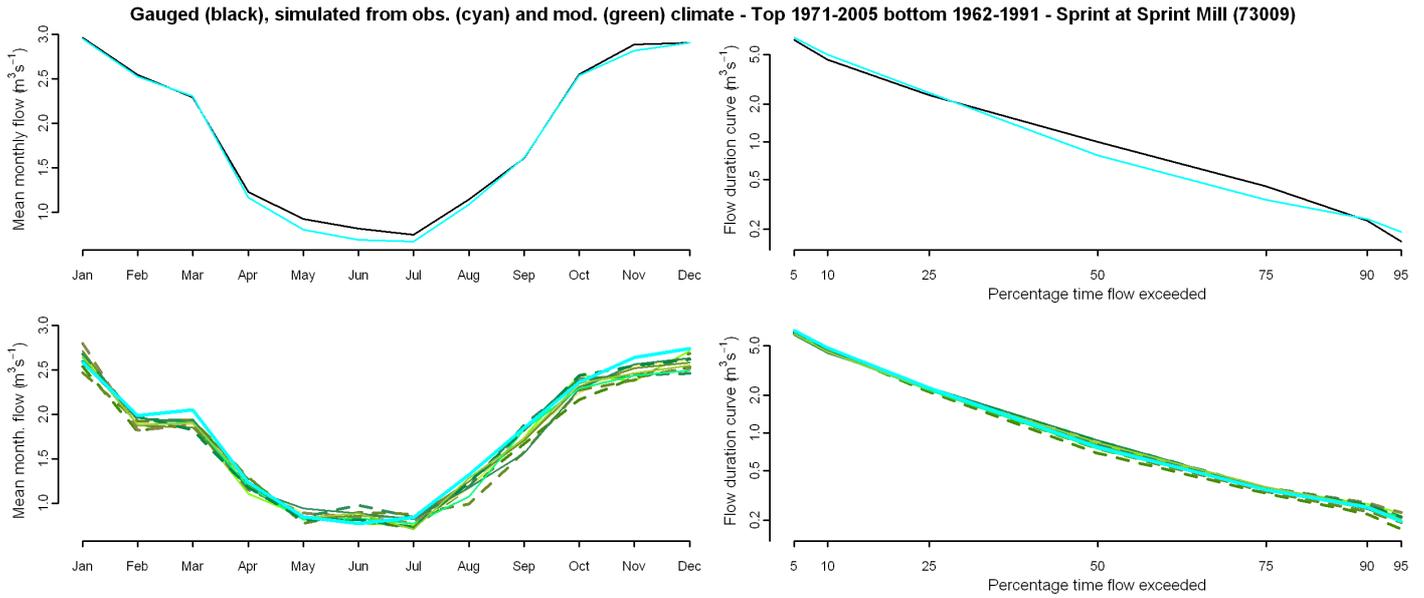
Gauged (black) and simulated (cyan) flows from observed climate - Sprint at Sprint Mill (73009)



Gauged (black) and simulated (cyan) flows from observed climate - Sprint at Sprint Mill (73009)



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

Climate change graphs for 2050s

