

General Information

River Name	Lark	Catchment Area (km ²)	272
Station Name	Temple	SAAR (mm) 61-90	593
Station Number	33014	Mean Annual Rain (mm) 62-91	594
Grid Reference	TL758730	Mean Annual PE (mm) 62-91	597
EA Region	EA-A	Observed flow record	1962 to 2005



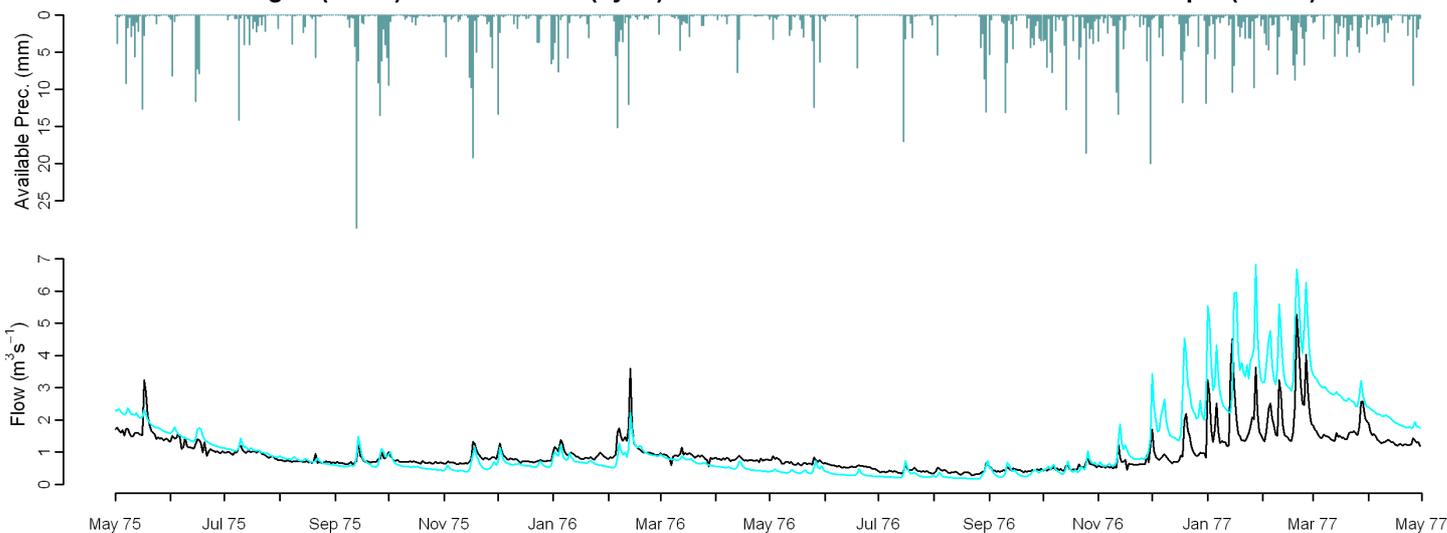
Observed Data

Comparison of gauged and simulated flow

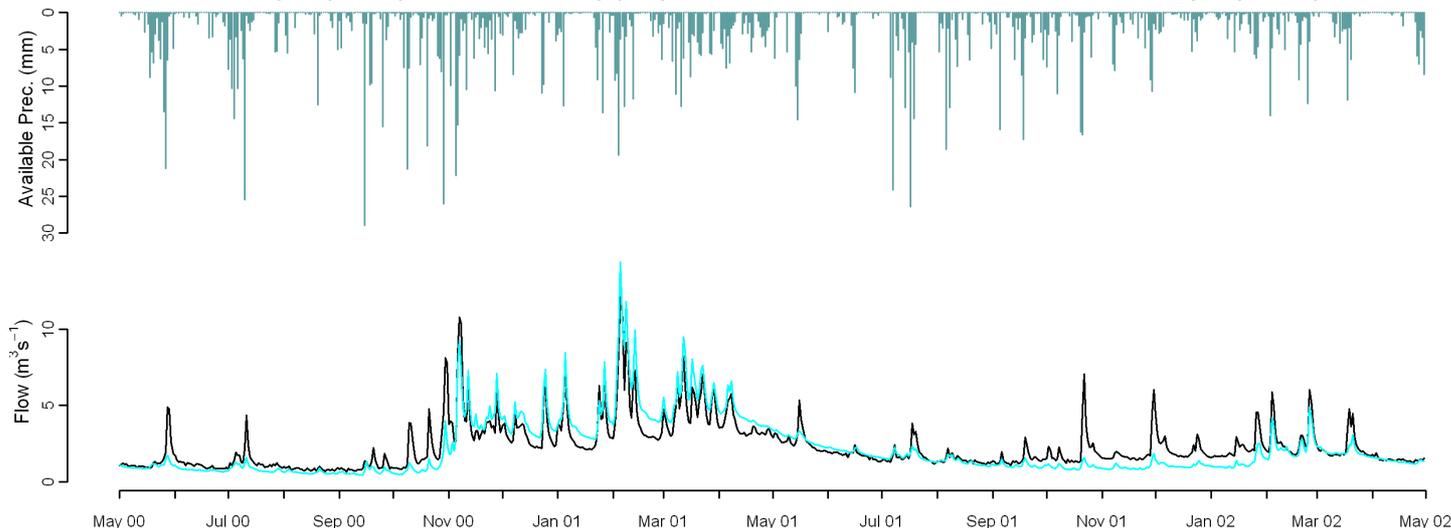
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-7.1	1.5	16.3	6.1	-1.9	-7.9	-9.0	-12.1	-16.1	-20.8	-31.7	-23.8	-12.7	0.69
Performance Band	2	1	1	1	1	2	2	2	2	2	3	3	2	1
MORECS (1962-1991)	-11.3	-3.8	12.2	0.7	-6.3	-12.4	-14.4	-15.5	-20.8	-27.0	-29.2	-28.5	-20.8	0.65
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	-27.6	-25.0	-18.9	-2.5	7.5									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-32.5	-28.6	-20.9	-4.5	3.4									

Gauged (black) and simulated (cyan) flows from observed climate - Lark at Temple (33014)

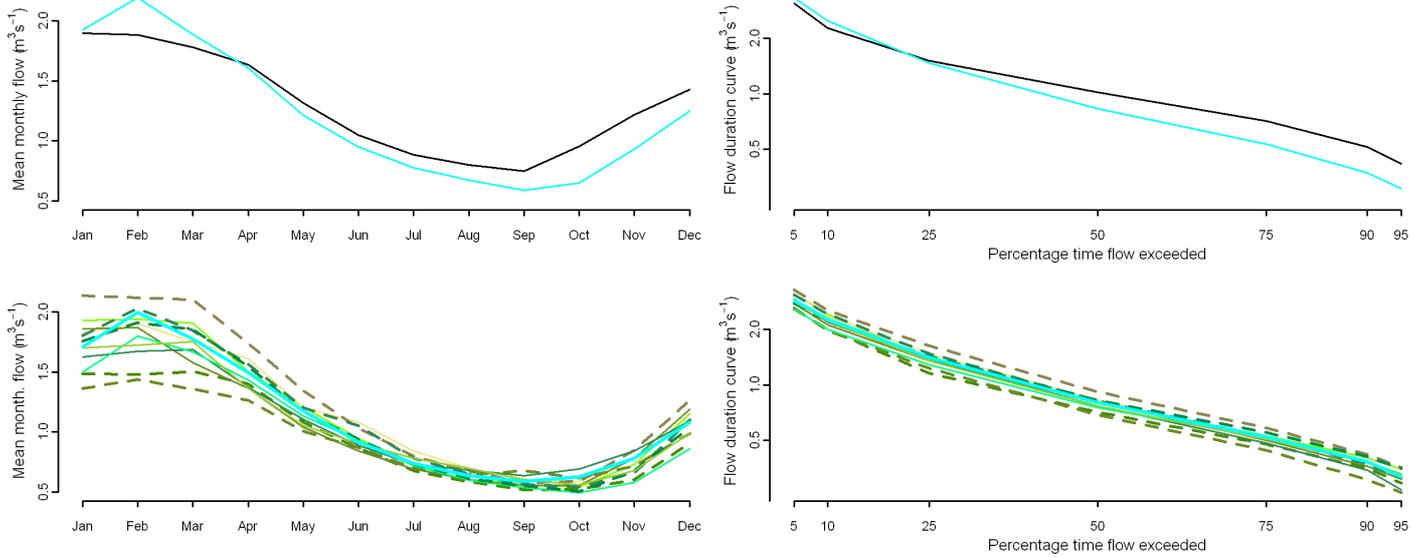


Gauged (black) and simulated (cyan) flows from observed climate - Lark at Temple (33014)



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 - Lark at Temple (33014)



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	-15	6	18	-3	-12	-2	4	-9	1	-6
January	12	-19	9	26	9	-20	-9	9	-10	4	-2
April	2	-12	12	24	-6	-16	-8	9	-2	6	-7
July	2	-8	19	15	-5	-5	4	9	1	2	5
October	-10	-15	-4	-1	-16	0	14	-9	-17	-17	-10
Q90	5	-8	-2	12	-6	-21	-9	-2	0	6	-1
Q75	2	-9	1	15	-6	-17	-7	2	-1	5	-3
Q50	1	-13	6	18	-1	-16	-4	6	-5	4	-6
Q25	-3	-22	7	18	-5	-14	-3	8	-7	2	-8
Q5	7	-16	9	17	-5	-10	1	7	-10	-2	-5
RP2	8	-16	11	11	-6	-4	10	5	-8	-7	-10
RP10	12	-6	17	19	-3	3	8	4	-14	-5	-13

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Lark at Temple (33014)

