

General Information

River Name	Lune	Catchment Area (km ²)	142
Station Name	Lunes Bridge	SAAR (mm) 61-90	1628
Station Number	72015	Mean Annual Rain (mm) 62-91	1633
Grid Reference	NY612029	Mean Annual PE (mm) 62-91	456
EA Region	EA-NW	Observed flow record	1979 to 2005



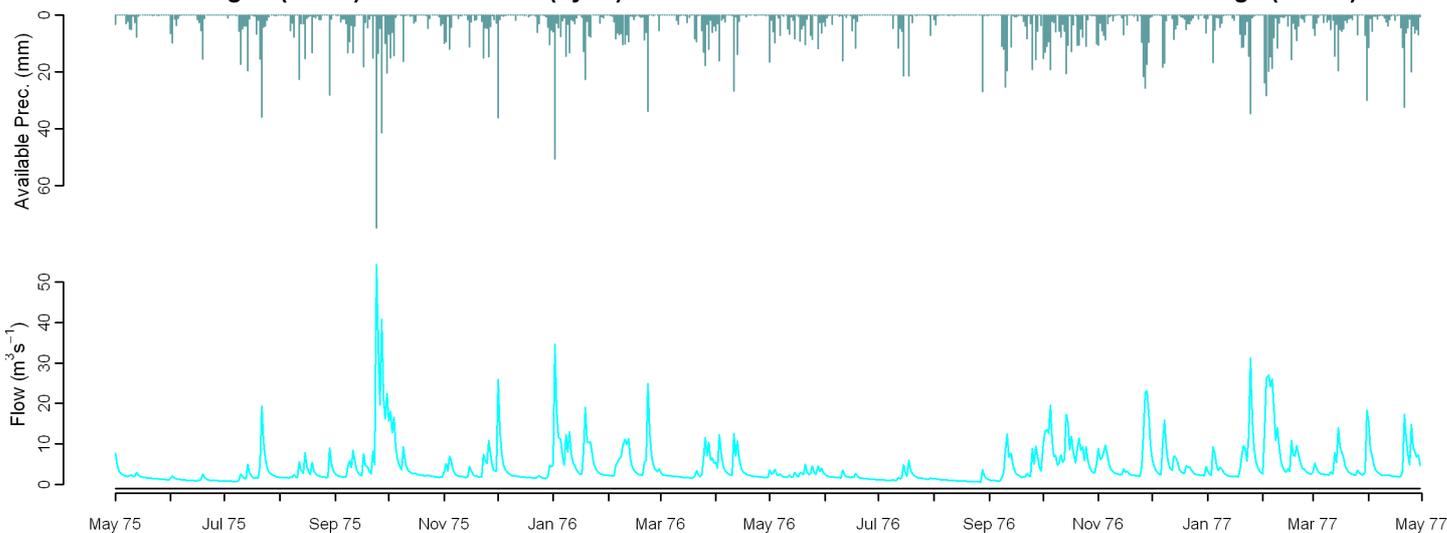
Observed Data

Comparison of gauged and simulated flow

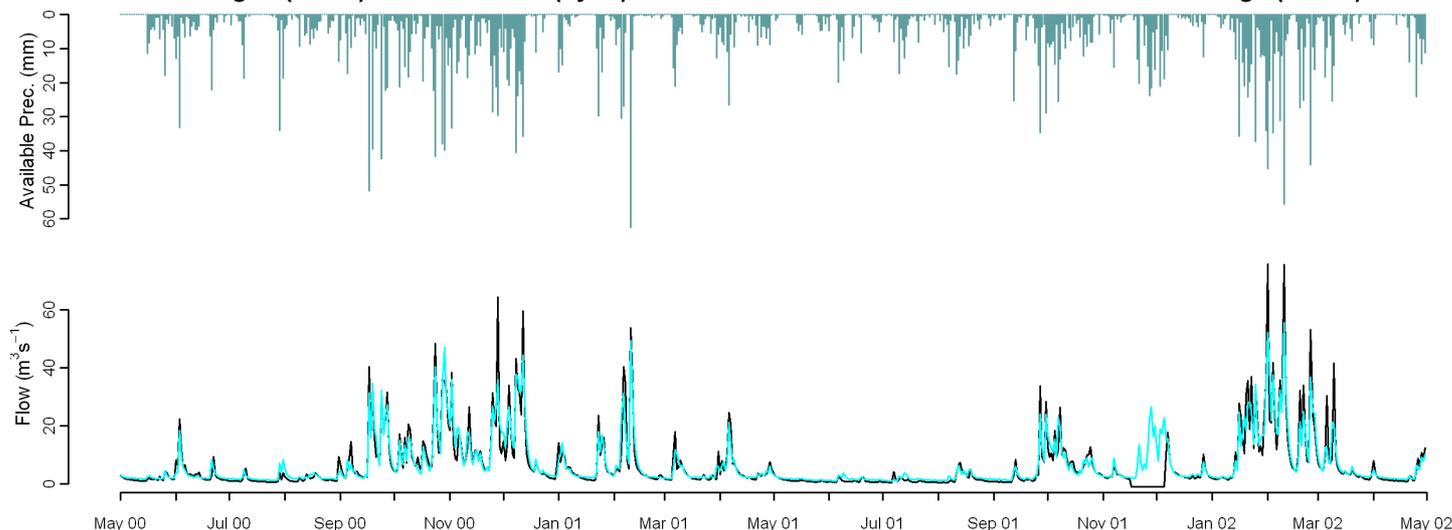
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-1.4	-5.0	-2.9	-6.7	-2.1	0.5	7.5	20.1	8.9	7.0	-0.2	-3.0	-4.7	0.84
Performance Band	1	1	1	1	1	1	1	2	1	1	1	1	1	1
MORECS (1962-1991)	0.3	-2.4	-2.1	-5.1	0.8	4.0	6.3	19.1	6.8	14.2	0.3	-0.6	-5.6	0.86
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	85.3	44.2	-2.2	5.0	-3.9									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	85.8	46.1	0.2	9.2	-1.9									

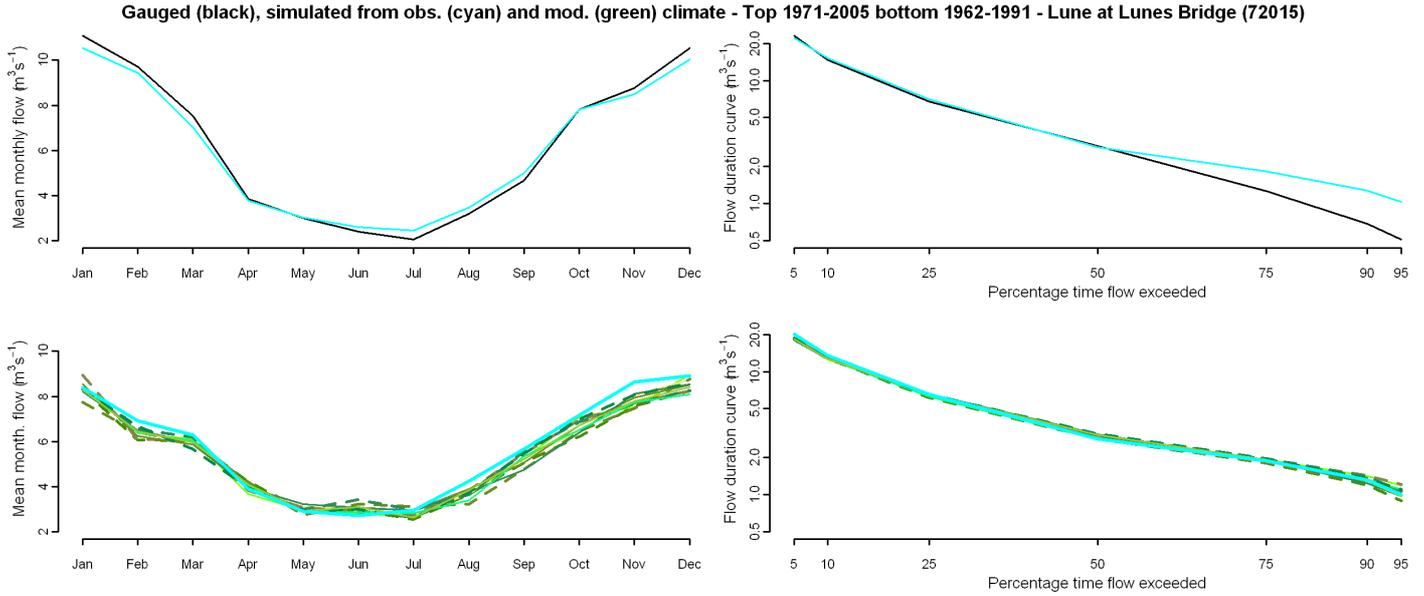
Gauged (black) and simulated (cyan) flows from observed climate - Lune at Lunes Bridge (72015)



Gauged (black) and simulated (cyan) flows from observed climate - Lune at Lunes Bridge (72015)



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

Climate change graphs for 2050s

