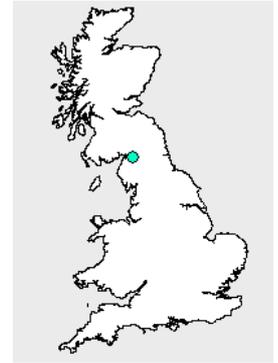


General Information

River Name	Eden	Catchment Area (km ²)	2287
Station Name	Sheepmount	SAAR (mm) 61-90	1180
Station Number	76007	Mean Annual Rain (mm) 62-91	1221
Grid Reference	NY390571	Mean Annual PE (mm) 62-91	476
EA Region	EA-NW	Observed flow record	1967 to 2005



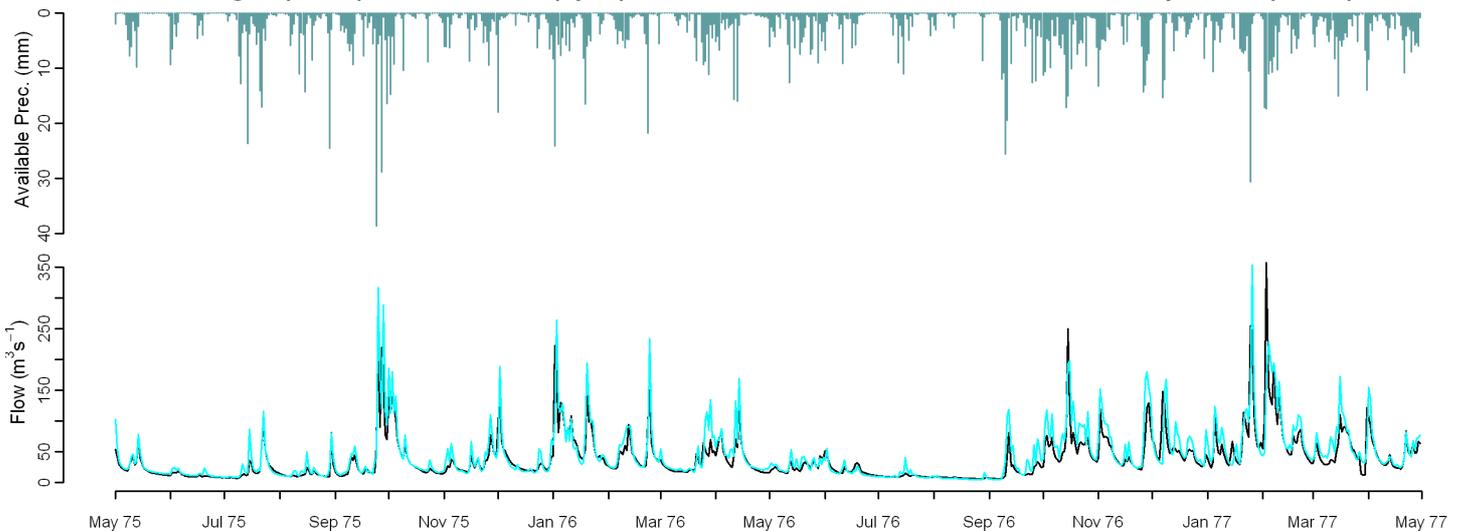
Observed Data

Comparison of gauged and simulated flow

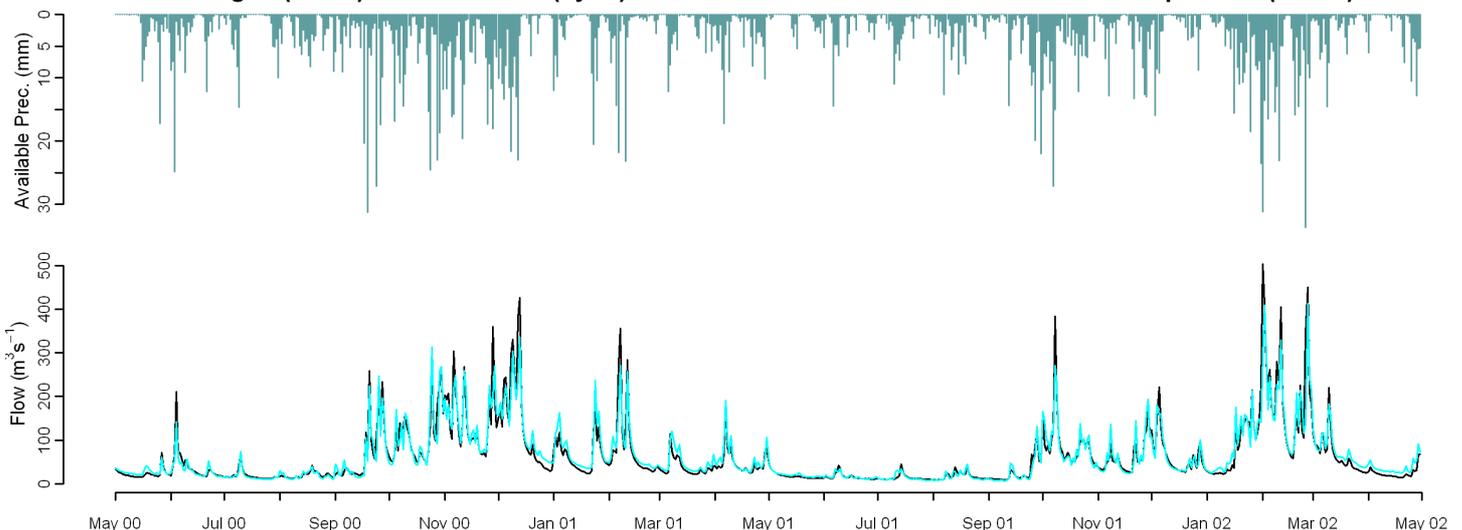
Model used: CLASSIC

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	10.6	7.2	10.2	16.7	18.1	13.9	8.8	8.1	5.9	10.8	11.3	10.1	7.7	0.86
Performance Band	2	1	2	2	2	2	1	1	1	2	2	2	1	1
FAO (1962-1991)	16.0	12.4	13.3	17.6	21.2	22.7	16.1	11.1	11.6	19.2	15.6	17.3	12.7	0.83
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	3.2	13.1	15.1	14.3	10.4	-6.2	-6.6	-7.3	-8.3					
Performance Band	1	1	1	1	1									
FAO (1962-1991)	14.0	22.1	21.7	22.2	12.5	-3.8	-7.5	-10.1	-12.5					

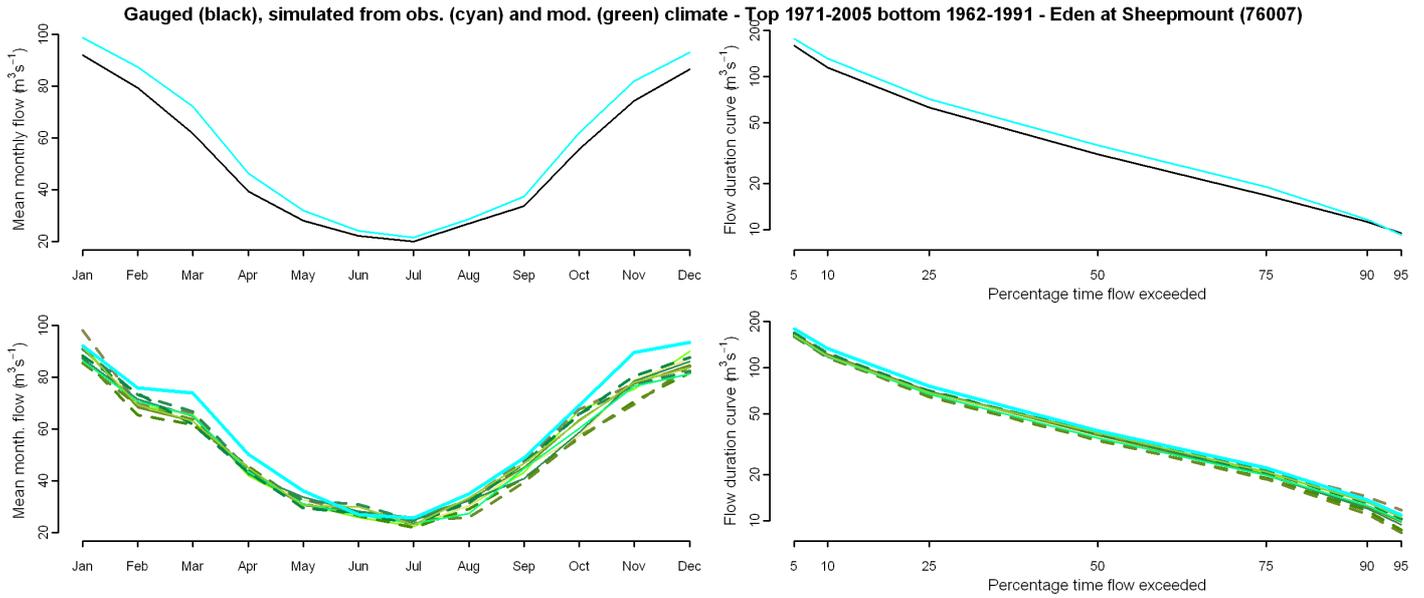
Gauged (black) and simulated (cyan) flows from observed climate - Eden at Sheepmount (76007)



Gauged (black) and simulated (cyan) flows from observed climate - Eden at Sheepmount (76007)



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

Climate change graphs for 2050s

