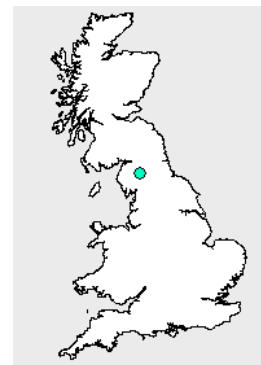


General Information

River Name	Eden	Catchment Area (km2)	616
Station Name	Temple Sowerby	SAAR (mm) 61-90	1142
Station Number	76005	Mean Annual Rain (mm) 62-91	1150
Grid Reference	NY605283	Mean Annual PE (mm) 62-91	471
EA Region	EA-NW	Observed flow record	1964 to 2005



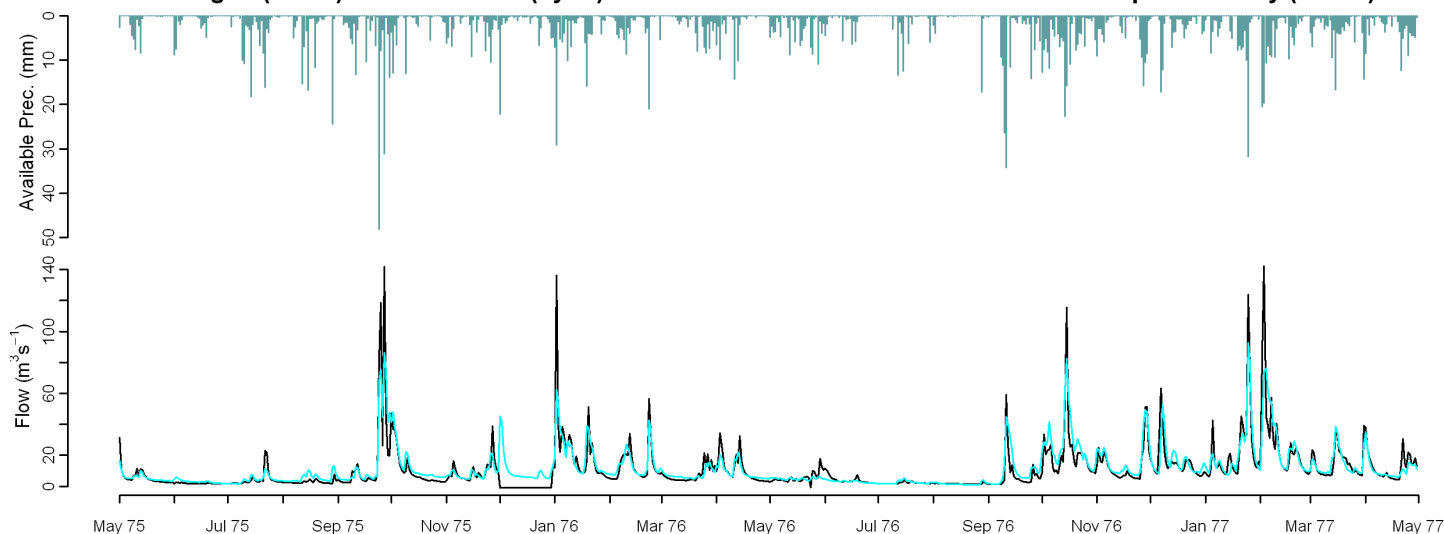
Observed Data

Comparison of gauged and simulated flow

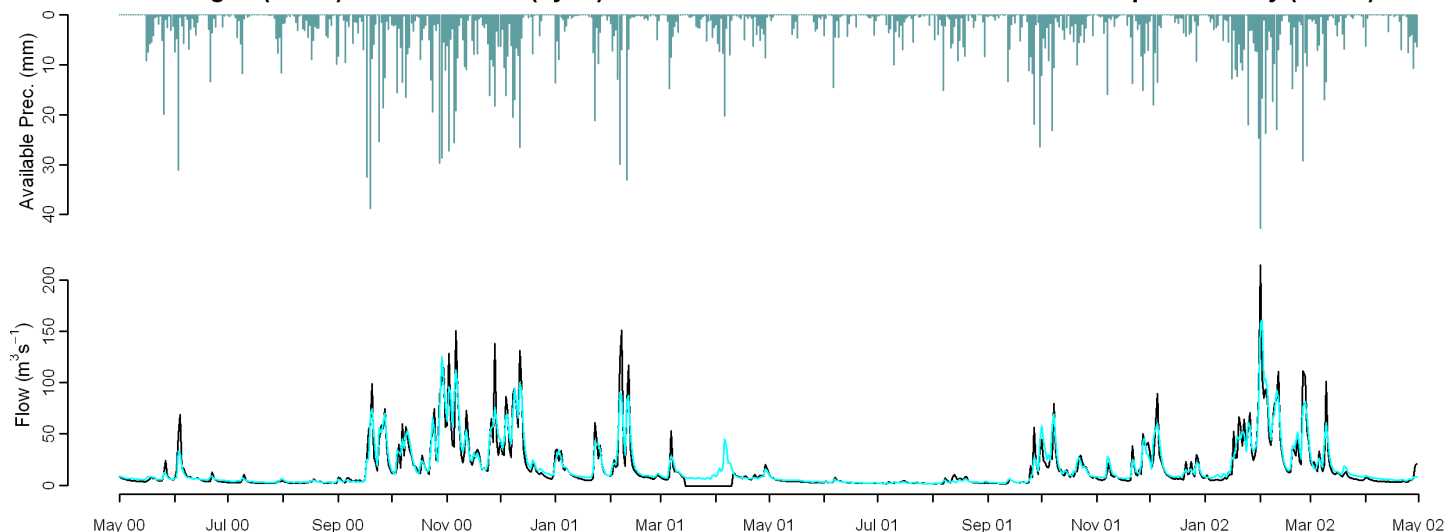
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	4.5	3.0	4.6	-1.0	-1.4	-3.0	-0.2	5.4	9.2	10.7	12.9	9.2	4.1	0.83
Performance Band	1	1	1	1	1	1	1	2	1	2	1	1	1	1
MORECS (1962-1991)	6.3	4.9	5.1	3.2	0.3	2.7	6.6	10.7	13.6	13.6	9.6	9.1	4.2	0.82
	Q90	Q75	Q50	Q25	Q5					RP2	RP5	RP10	RP20	
MORECS (1971-2005)	29.4	32.0	15.6	6.4	0.2									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	36.3	34.7	13.0	4.8	1.9									

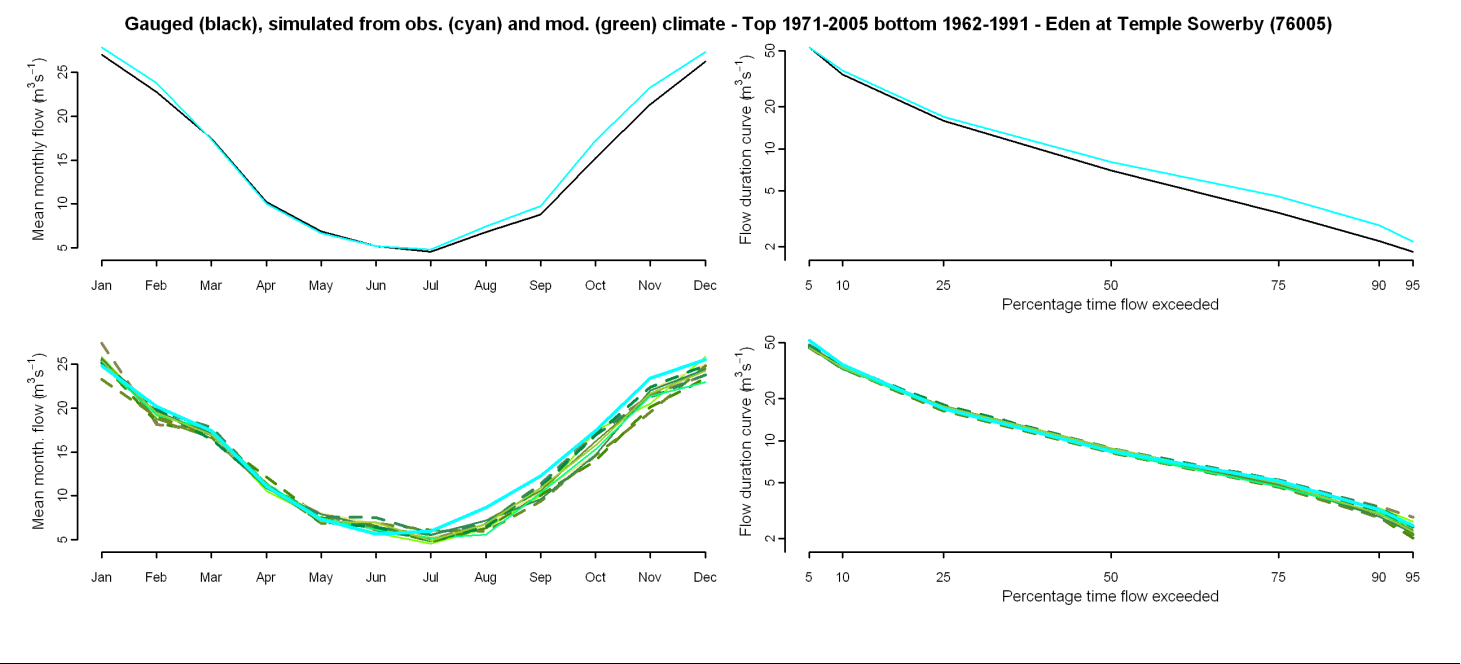
Gauged (black) and simulated (cyan) flows from observed climate - Eden at Temple Sowerby (76005)



Gauged (black) and simulated (cyan) flows from observed climate - Eden at Temple Sowerby (76005)



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

Climate change graphs for 2050s

