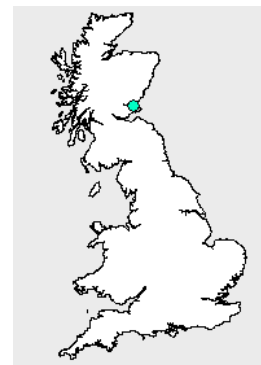


General Information

River Name	Eden	Catchment Area (km2)	307
Station Name	Kemback	SAAR (mm) 61-90	800
Station Number	14001	Mean Annual Rain (mm) 62-91	802
Grid Reference	NO415158	Mean Annual PE (mm) 62-91	529
EA Region	SEPA-NE	Observed flow record	1967 to 2005



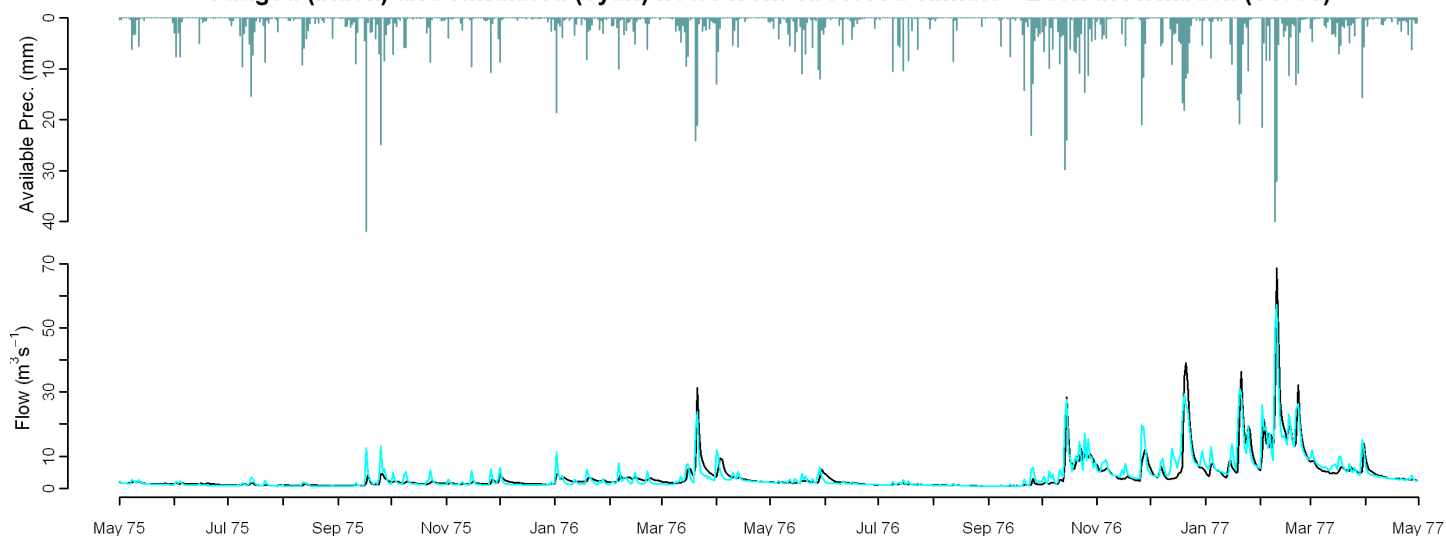
Observed Data

Comparison of gauged and simulated flow

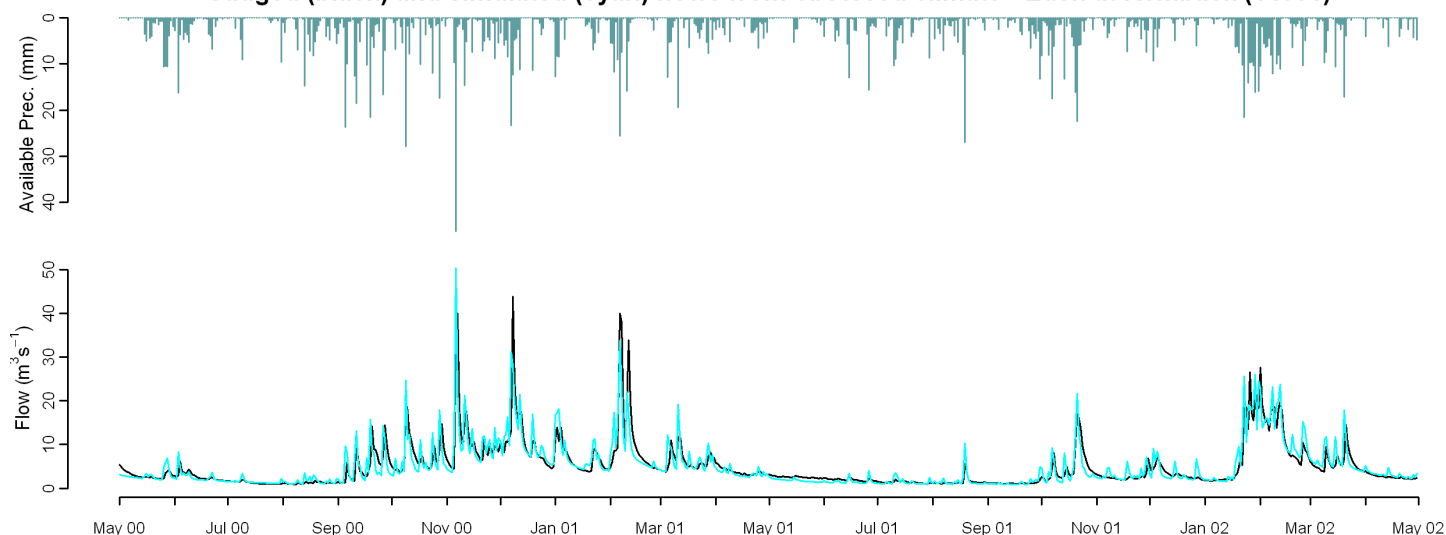
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	1.3	1.0	3.0	2.1	-6.2	-4.0	-1.2	11.7	7.9	8.3	-2.1	2.5	1.0	0.68
Performance Band	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FAO (1962-1991)	4.3	4.5	4.0	2.2	-3.7	-2.0	2.0	15.0	9.3	12.8	8.8	4.2	5.5	0.66
	Q90	Q75	Q50	Q25	Q5	RP2			RP5	RP10	RP20			
MORECS (1971-2005)	-11.5	-4.6	-0.8	2.3	6.4	-4.1			-7.6	-7.1	-4.9			
Performance Band	1	1	1	1	1									
FAO (1962-1991)	-10.0	-2.8	2.5	4.5	4.2	4.5			-1.4	-7.1	-13.2			

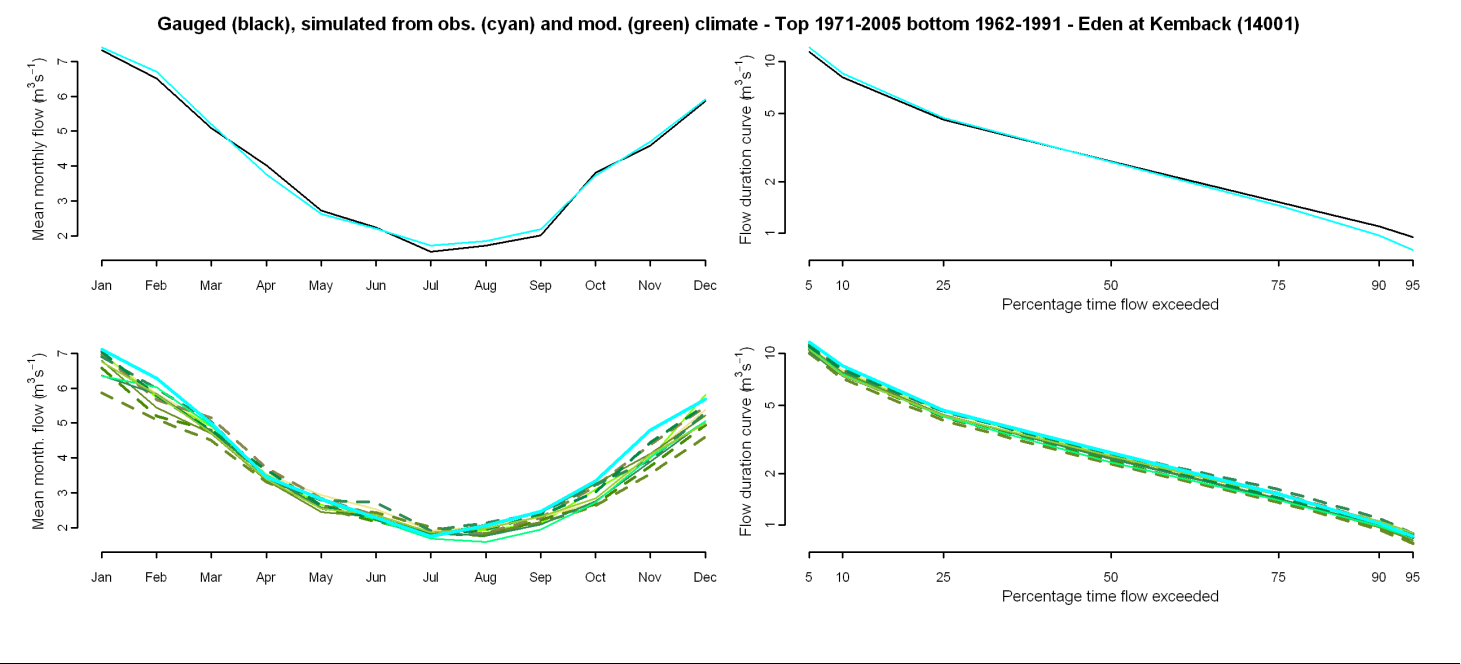
Gauged (black) and simulated (cyan) flows from observed climate - Eden at Kemback (14001)



Gauged (black) and simulated (cyan) flows from observed climate - Eden at Kemback (14001)



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

Climate change graphs for 2050s

