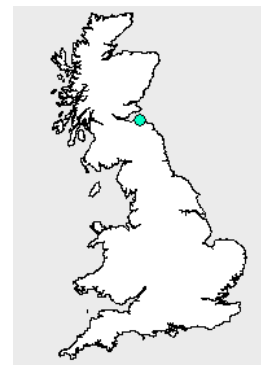


General Information

River Name	Tyne	Catchment Area (km2)	307
Station Name	East Linton	SAAR (mm) 61-90	713
Station Number	20001	Mean Annual Rain (mm) 62-91	715
Grid Reference	NT591768	Mean Annual PE (mm) 62-91	516
EA Region	SEPA-SE	Observed flow record	1961 to 2005



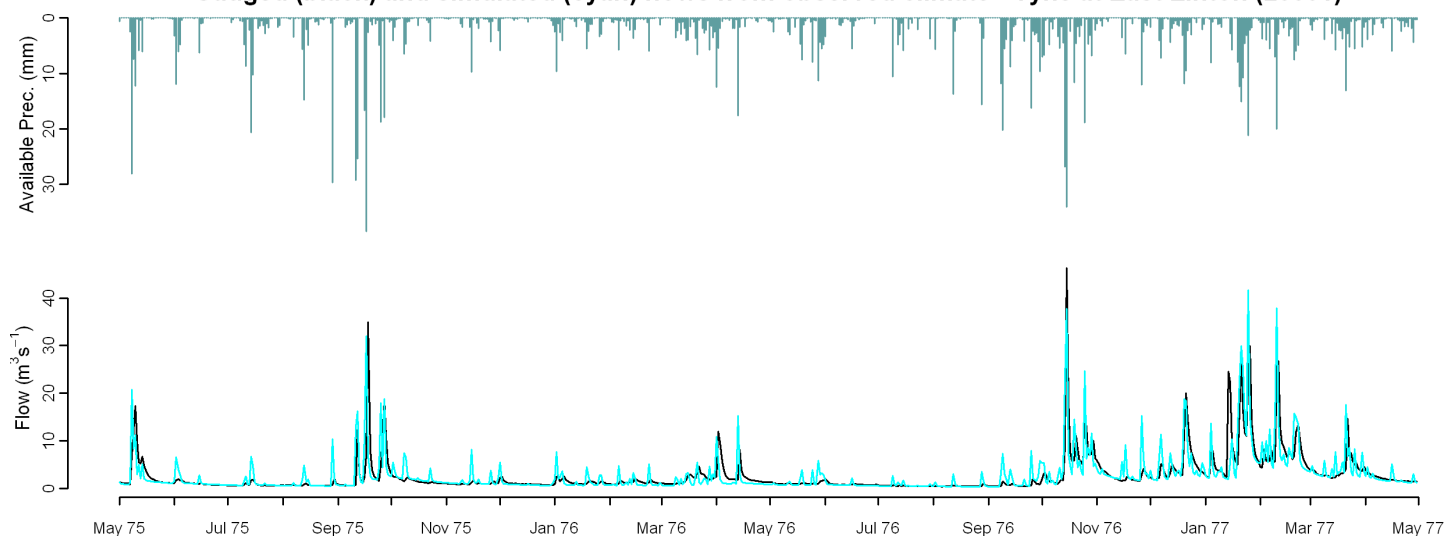
Observed Data

Comparison of gauged and simulated flow

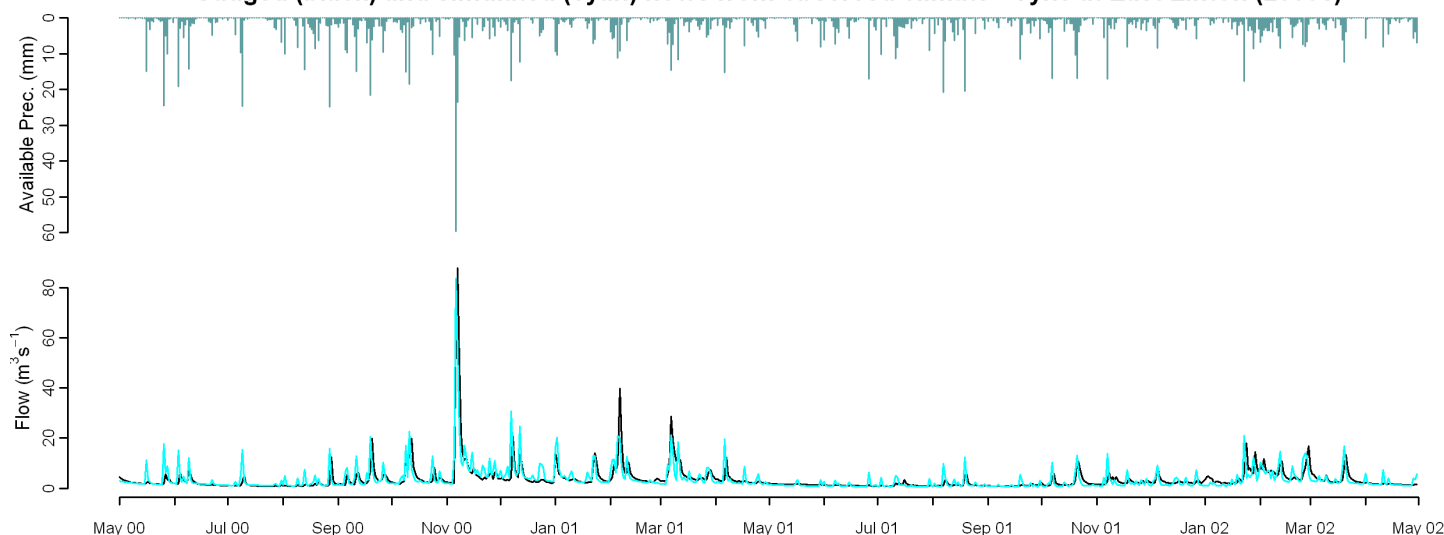
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	3.1	-4.2	-0.8	-0.1	-4.9	6.2	18.7	22.4	30.3	23.5	0.1	3.3	0.6	0.47
Performance Band	1	1	1	1	2	2	1	1	1	2	1	1	1	2
FAO (1962-1991)	9.0	2.5	0.3	-4.5	-1.3	8.3	26.4	24.8	34.3	30.2	20.2	10.1	7.8	0.42
	Q90	Q75	Q50	Q25	Q5	RP2		RP5	RP10	RP20				
MORECS (1971-2005)	-14.8	-8.5	-4.9	4.2	10.0	-14.7		-23.1	-23.7	-22.0				
Performance Band	1	1	1	1	1									
FAO (1962-1991)	-5.7	0.5	1.0	8.7	18.8	-2.6		-12.9	-18.4	-22.8				

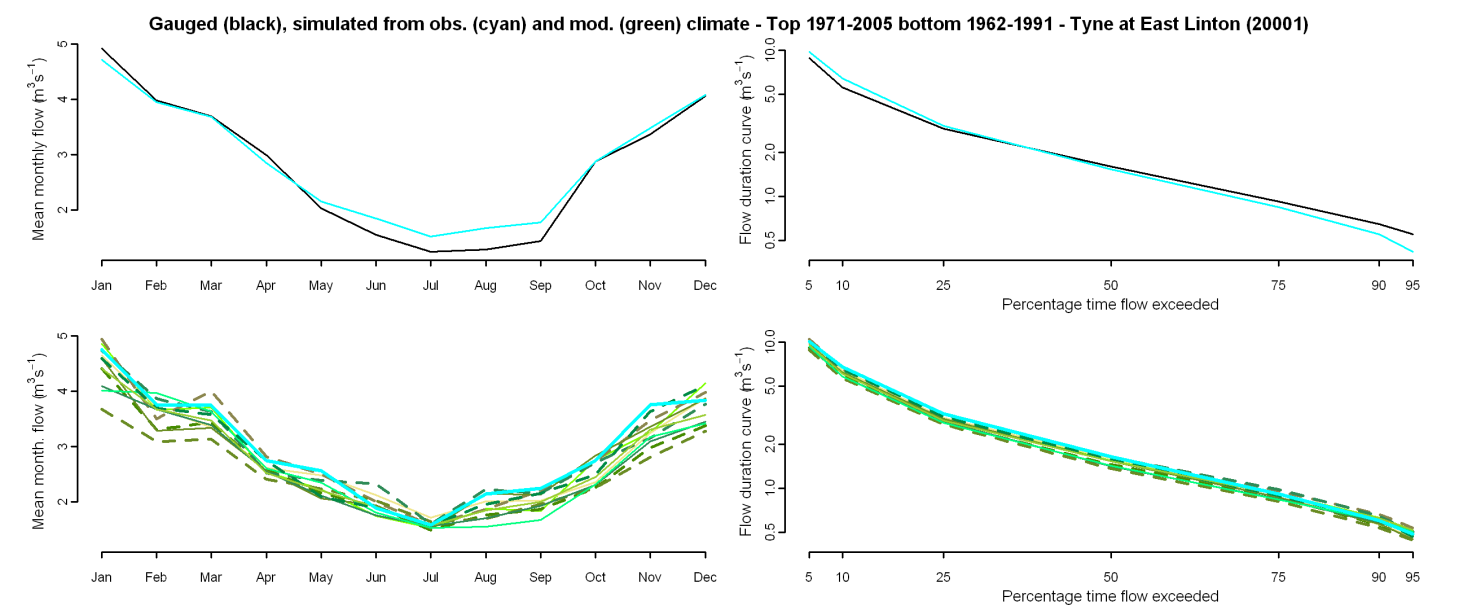
Gauged (black) and simulated (cyan) flows from observed climate - Tyne at East Linton (20001)



Gauged (black) and simulated (cyan) flows from observed climate - Tyne at East Linton (20001)



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	-12	-4	1	-7	-15	-12	-2	-11	-3	-9
January	3	-10	1	7	-1	-16	-15	1	-13	-2	-7
April	-7	-14	-2	6	-8	-11	-7	-3	-6	1	-10
July	-2	-2	8	-1	-6	-5	-2	-3	-4	-1	-3
October	0	-18	-15	2	-2	-19	-11	-9	-21	-10	-9
Q90	6	-6	-5	9	-7	-9	-3	4	-1	-1	3
Q75	1	-4	-1	5	-7	-11	-9	5	-9	-3	-2
Q50	-6	-11	-2	2	-8	-16	-13	-1	-14	-5	-7
Q25	-6	-14	-6	1	-8	-14	-11	-2	-13	-3	-11
Q5	-2	-9	-2	5	-5	-11	-9	0	-6	0	-8
RP2	-6	-21	-11	-3	-7	-13	-18	-7	-13	-11	-11
RP10	-9	-24	-17	-12	-13	-20	-24	-12	-23	-12	-10

Climate change graphs for 2050s

