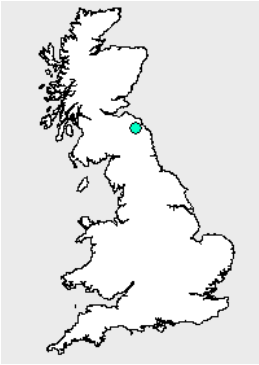


General Information

River Name	Leet Water	Catchment Area (km2)	113
Station Name	Coldstream	SAAR (mm) 61-90	671
Station Number	21023	Mean Annual Rain (mm) 62-91	674
Grid Reference	NT839396	Mean Annual PE (mm) 62-91	539
EA Region	SEPA-SE	Observed flow record	1970 to 2005



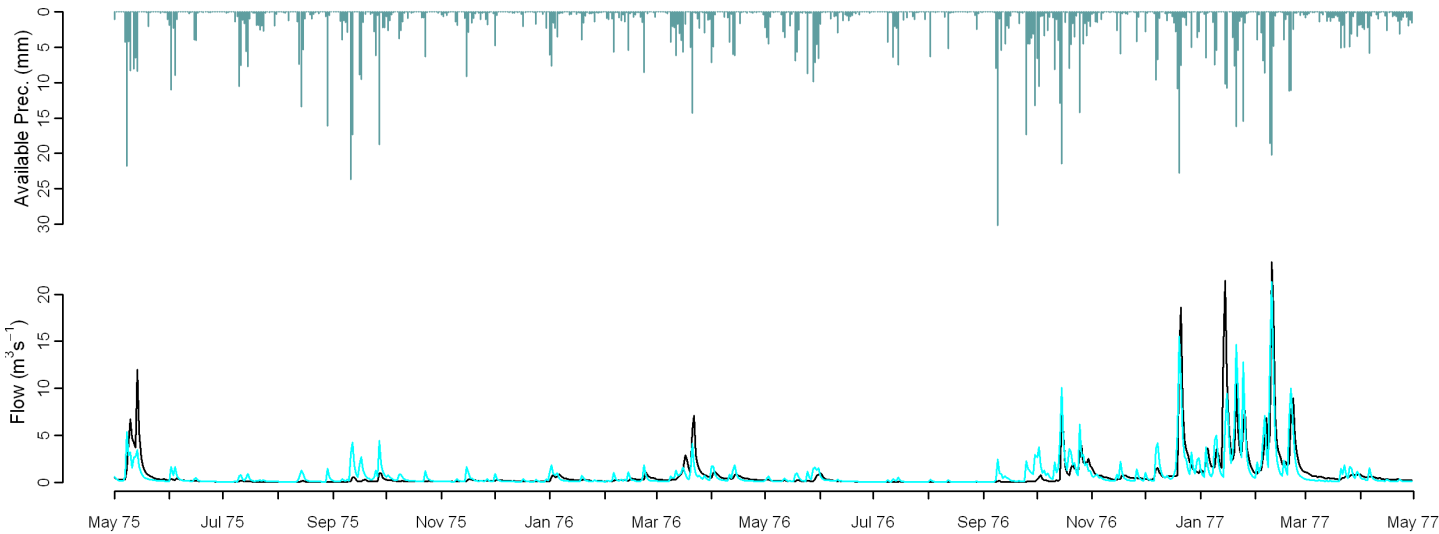
Observed Data

Comparison of gauged and simulated flow

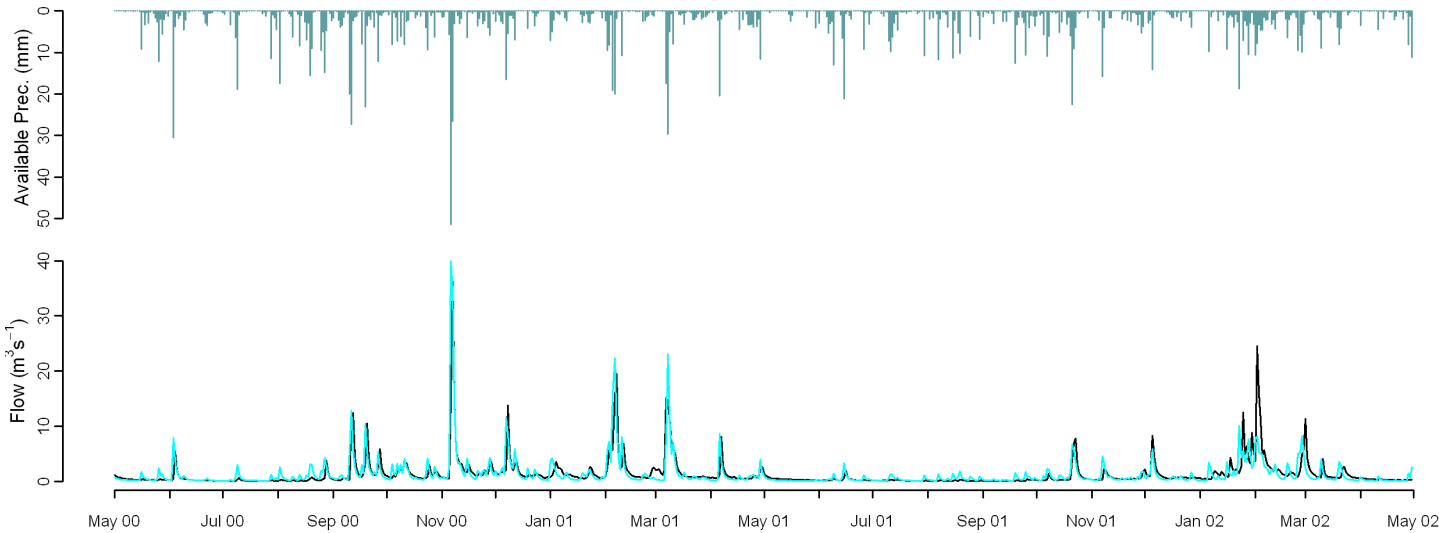
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	2.5	-12.9	-15.6	-9.1	-12.6	9.1	71.4	151.6	113	92	2.4	10.4	-10.3	0.39
Performance Band	1	2	2	1	2	1	3	3	3	3	1	2	2	3
FAO (1962-1991)	8.4	-9.5	-17.1	-7.9	-14.1	17.3	90.2	147.3	138	135	49.6	13.7	-9.4	0.50
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	92.1	44.1	5.3	12.5	3.8	-13.9	-17.5	-19.7	-21.9					
Performance Band	3	2	1	1	1									
FAO (1962-1991)	102.6	53.4	9.9	16.9	2.2	2.0	3.0	7.1	12.8					

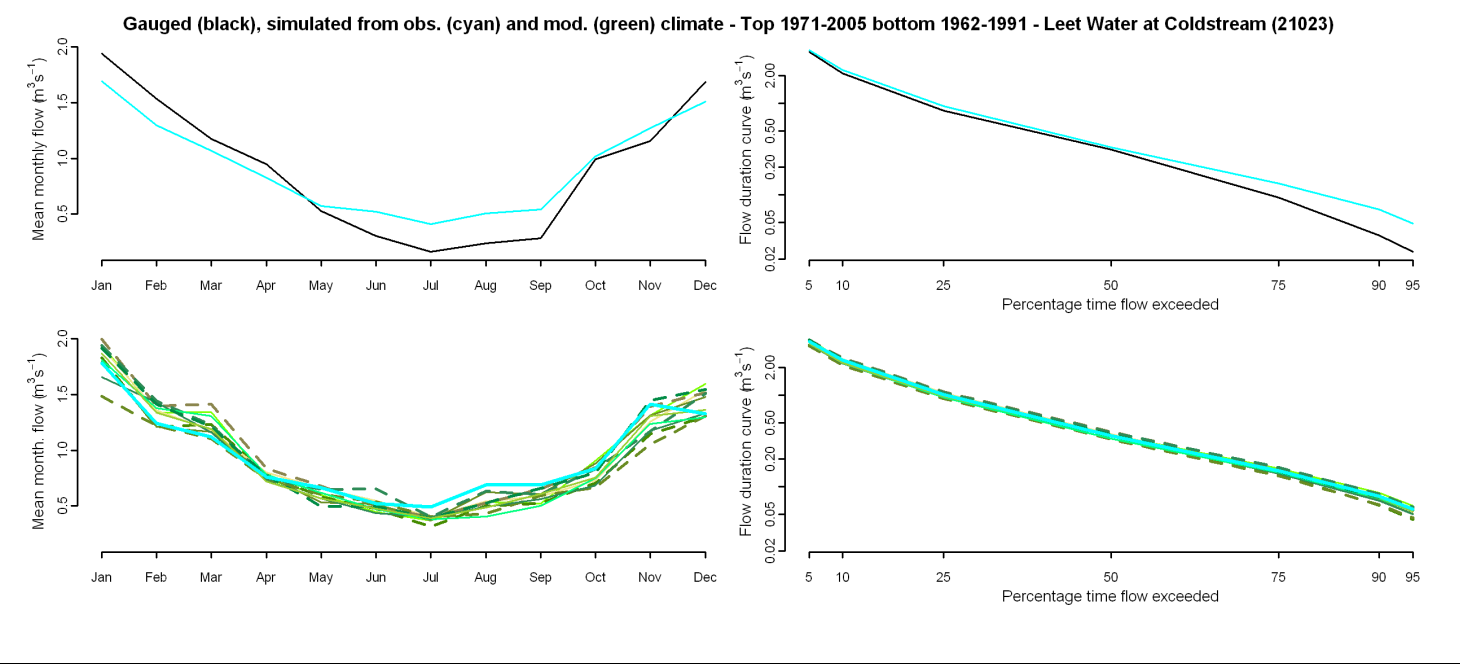
Gauged (black) and simulated (cyan) flows from observed climate - Leet Water at Coldstream (21023)



Gauged (black) and simulated (cyan) flows from observed climate - Leet Water at Coldstream (21023)



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	1	-8	1	6	-3	-11	-8	3	-6	1	-6
January	11	-3	11	16	4	-10	-7	13	5	9	4
April	-2	-11	10	12	-1	-4	-5	5	3	4	-4
July	-23	-30	-18	-20	-26	-24	-19	-23	-22	-22	-21
October	8	-17	-13	4	-2	-20	-11	-8	-18	-5	-6
Q90	11	-20	-10	3	-12	-19	-13	3	-6	-5	-2
Q75	7	-9	-1	8	-7	-12	-9	8	-6	-2	-1
Q50	3	-5	4	11	-2	-7	-3	10	-7	3	0
Q25	-1	-5	5	10	-3	-7	-5	8	-7	1	-4
Q5	5	-8	3	5	-1	-10	-8	2	-5	4	-8
RP2	1	-18	-12	-1	-9	-16	-9	-4	-7	-2	-4
RP10	-8	-26	-14	-7	-14	-23	-21	-10	-10	-10	2

Climate change graphs for 2050s

