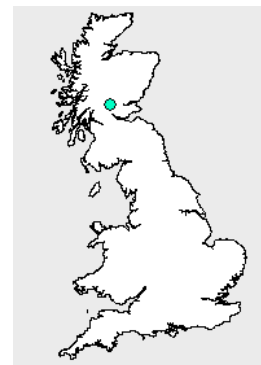


General Information

River Name	Ruchill Water	Catchment Area (km2)	100
Station Name	Cultybraggan	SAAR (mm) 61-90	1900
Station Number	16003	Mean Annual Rain (mm) 62-91	1940
Grid Reference	NN764204	Mean Annual PE (mm) 62-91	498
EA Region	SEPA-NE	Observed flow record	1970 to 2005



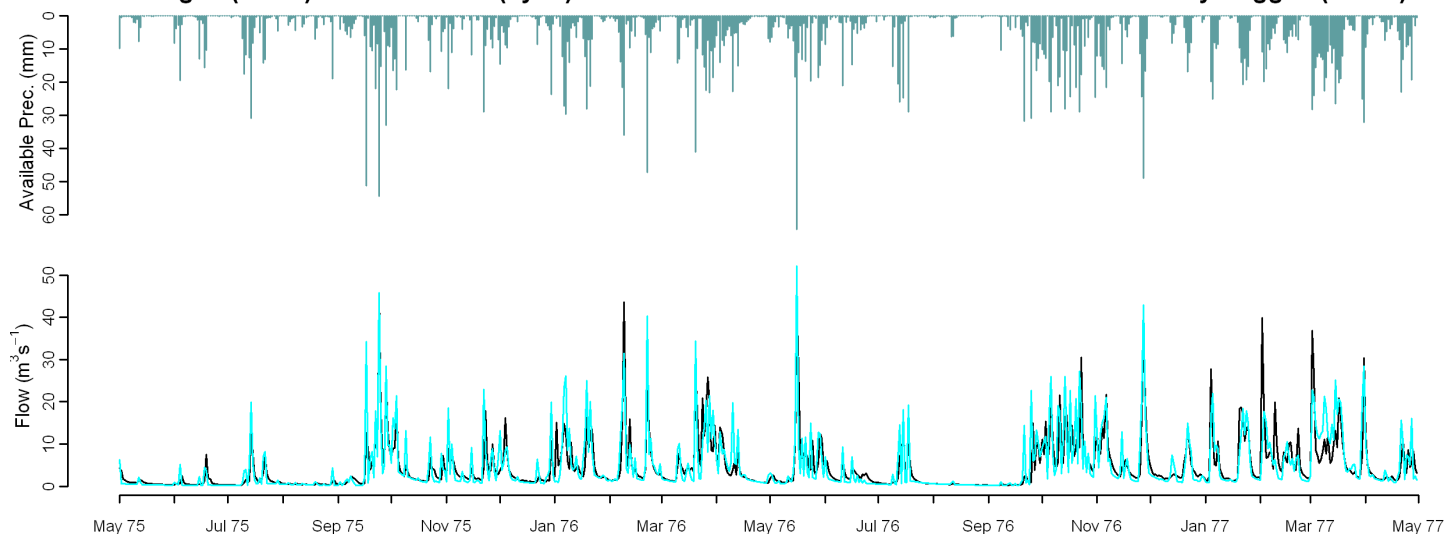
Observed Data

Comparison of gauged and simulated flow

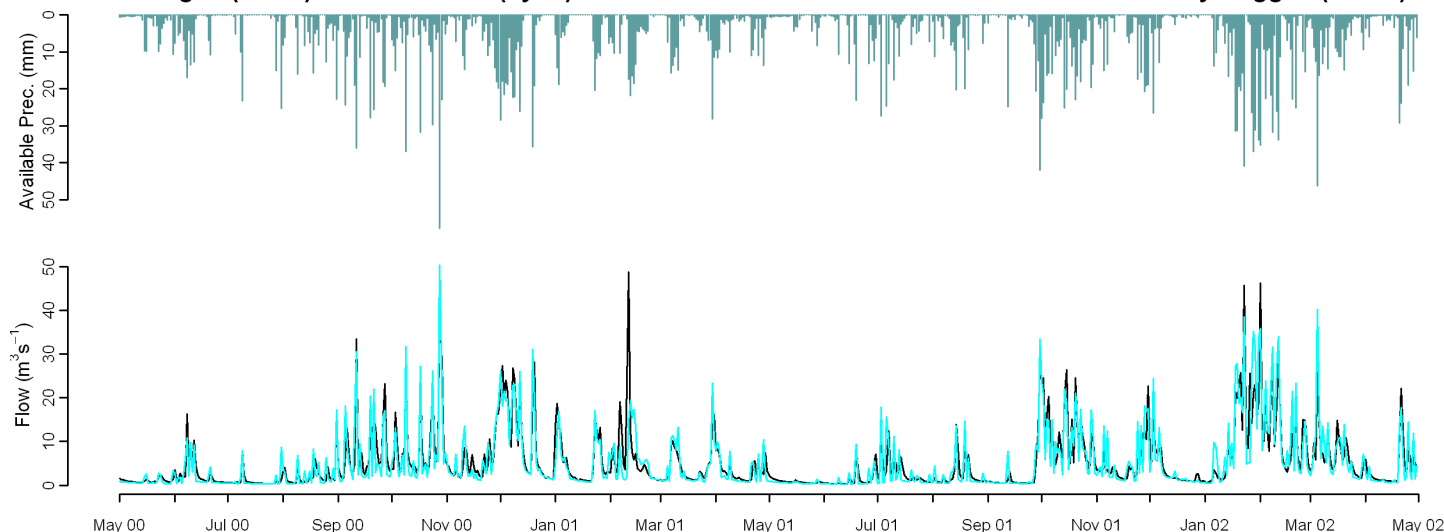
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	0.6	1.7	2.0	2.8	-2.7	-12.8	-12.3	-0.6	1.3	1.5	0.5	3.9	3.1	0.74
Performance Band	1	1	1	1	1	2	2	1	1	1	1	1	1	1
FAO (1962-1991)	1.7	-1.3	-0.8	4.5	-1.4	-8.2	-13.8	0.6	4.3	4.5	4.3	7.5	4.6	0.69
	Q90	Q75	Q50	Q25	Q5				RP2	RP5	RP10	RP20		
MORECS (1971-2005)	-27.8	-31.5	-24.4	3.7	12.0				-12.5	-18.1	-20.7	-22.5		
Performance Band	1	2	2	1	2									
FAO (1962-1991)	-25.2	-32.7	-24.7	5.0	14.1				-11.3	-16.7	-21.1	-25.6		

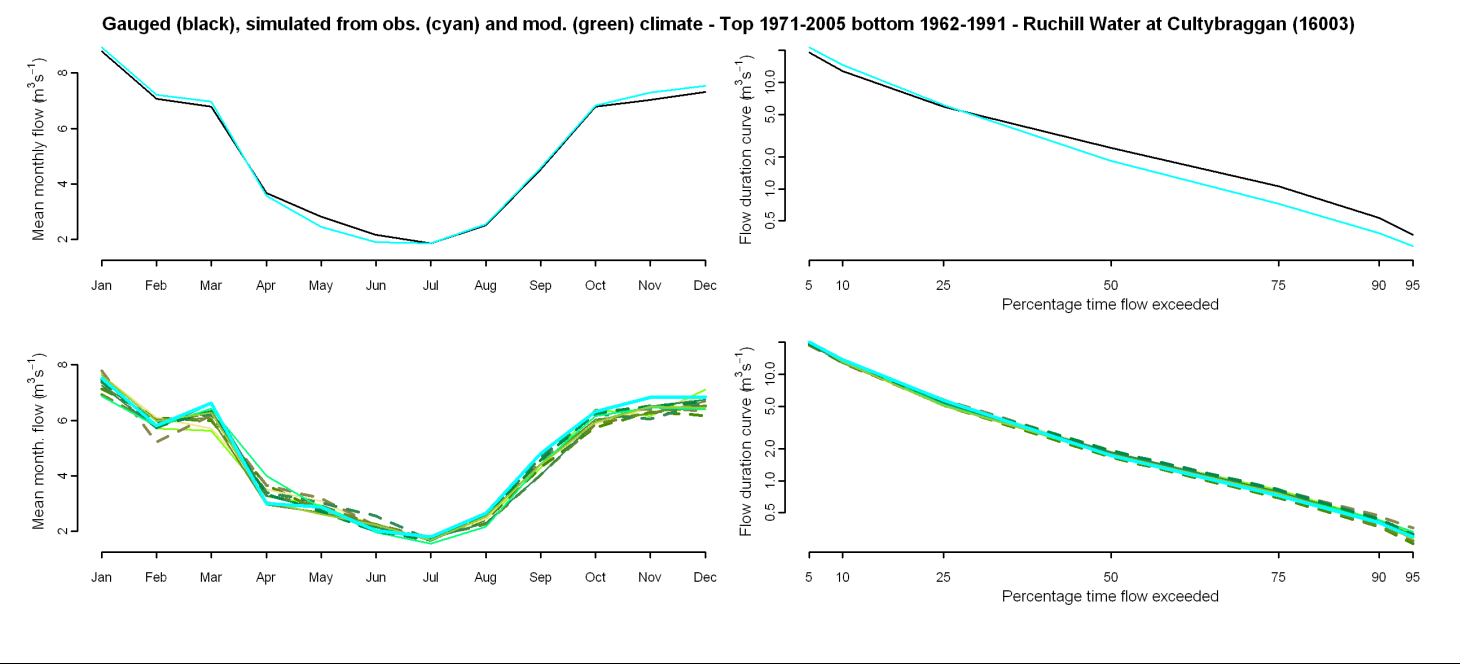
Gauged (black) and simulated (cyan) flows from observed climate - Ruchill Water at Cultybraggan (16003)



Gauged (black) and simulated (cyan) flows from observed climate - Ruchill Water at Cultybraggan (16003)



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	-3	-4	-3	0	-4	-5	-3	-2	-4	-3	-4
January	4	-3	4	5	0	-3	-4	-2	-14	0	2
April	10	19	19	26	0	7	9	14	35	9	-3
July	-6	-3	-8	-5	-7	-10	-2	-11	-13	-10	-8
October	0	-8	-9	2	-5	-7	-3	-5	-5	-3	-4
Q90	4	-5	-2	15	2	-8	0	6	7	6	-2
Q75	13	-4	7	15	7	2	8	12	2	11	5
Q50	7	-2	9	13	5	2	8	9	1	10	2
Q25	-3	-11	-2	2	-9	-11	-6	-3	-10	-4	-13
Q5	-4	-1	-4	-5	-3	-4	-3	-2	-3	-4	-1
RP2	-8	-10	-13	5	0	-6	-7	-6	-4	-11	-2
RP10	-1	-11	-8	6	2	3	-3	-5	-2	-5	-1

Climate change graphs for 2050s

