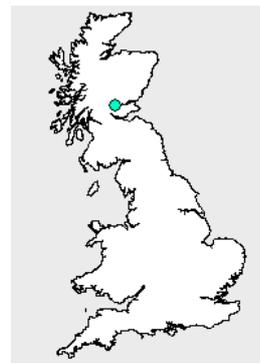


General Information

River Name	Ruthven Water	Catchment Area (km ²)	50
Station Name	Aberuthven	SAAR (mm) 61-90	1237
Station Number	16007	Mean Annual Rain (mm) 62-91	1243
Grid Reference	NN975154	Mean Annual PE (mm) 62-91	502
EA Region	SEPA-NE	Observed flow record	1990 to 2005



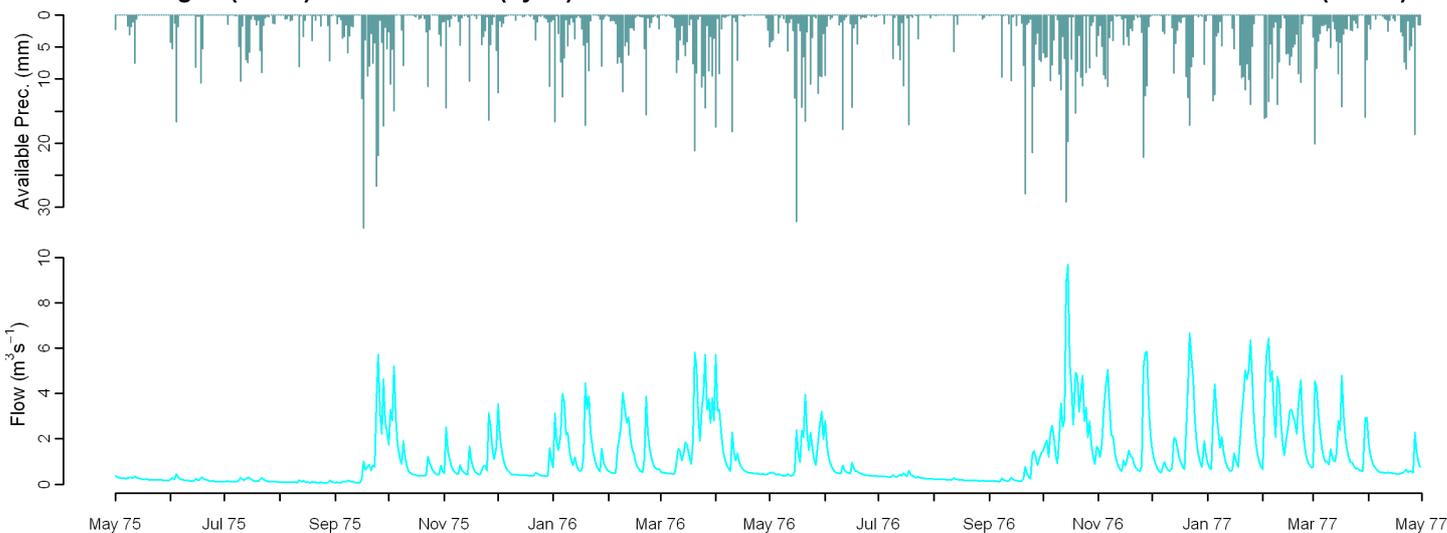
Observed Data

Comparison of gauged and simulated flow

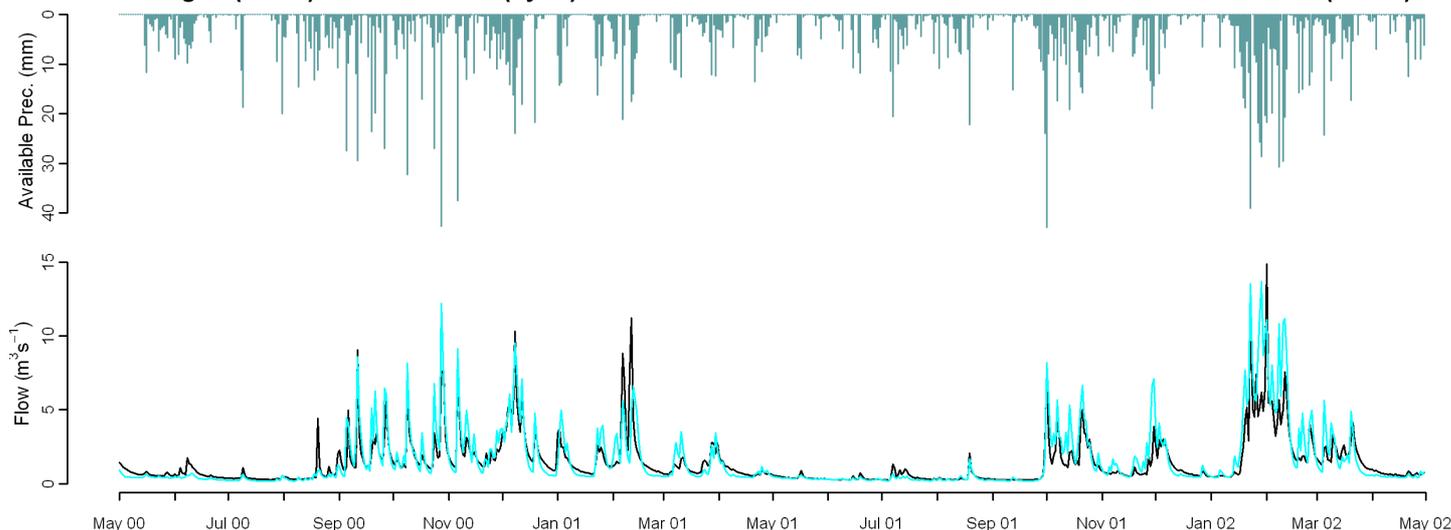
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	13.1	19.9	18.8	8.6	-17.3	-12.9	-2.8	4.2	8.8	10.0	20.1	22.2	22.6	0.53
Performance Band	2	2	2	2	1	2	2	1	2	1	1	2	3	2
MORECS (1962-1991)														
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-16.0	-15.2	-25.0	9.2	37.9									
Performance Band	1	1	3	3	3									
MORECS (1962-1991)														

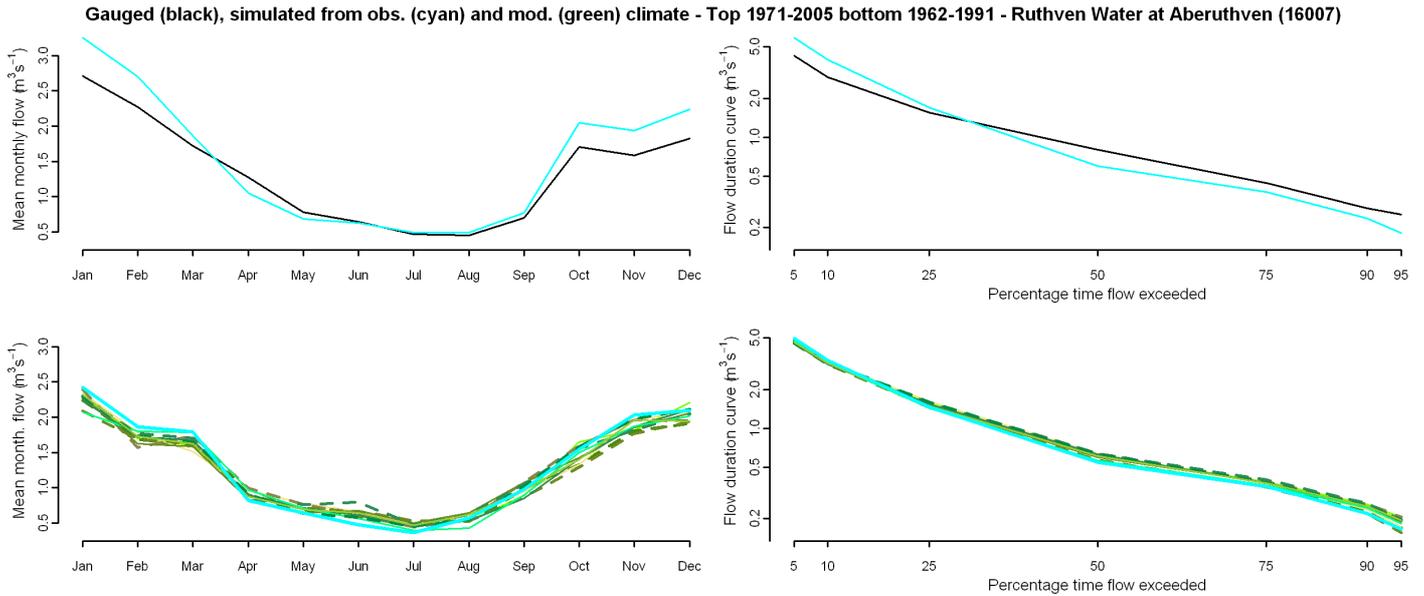
Gauged (black) and simulated (cyan) flows from observed climate - Ruthven Water at Aberuthven (16007)



Gauged (black) and simulated (cyan) flows from observed climate - Ruthven Water at Aberuthven (16007)



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	2	-1	1	5	-2	-4	-1	3	-2	1	-1
January	-3	-9	-3	-3	-6	-9	-10	-5	-15	-6	-1
April	10	19	20	29	4	10	12	6	19	11	7
July	34	39	33	27	37	21	30	30	10	22	27
October	6	-10	-17	8	-8	-13	0	-4	0	4	-4
Q90	17	6	6	22	5	-2	10	17	9	10	11
Q75	8	2	4	12	4	-3	5	12	2	5	5
Q50	14	3	14	19	7	2	15	16	3	14	10
Q25	7	0	9	10	-1	0	6	9	-1	8	2
Q5	-8	-6	-9	-5	-6	-7	-8	-4	-5	-9	-8
RP2	-15	-11	-14	-6	-1	-7	-13	-2	-1	-9	-2
RP10	-7	-7	-11	-9	6	-2	-4	2	6	-2	-1

Climate change graphs for 2050s

