

General Information

River Name	Annan	Catchment Area (km ²)	925
Station Name	Brydekirk	SAAR (mm) 61-90	1351
Station Number	78003	Mean Annual Rain (mm) 62-91	1207
Grid Reference	NY191704	Mean Annual PE (mm) 62-91	524
EA Region	SEPA-SW	Observed flow record	1967 to 2005



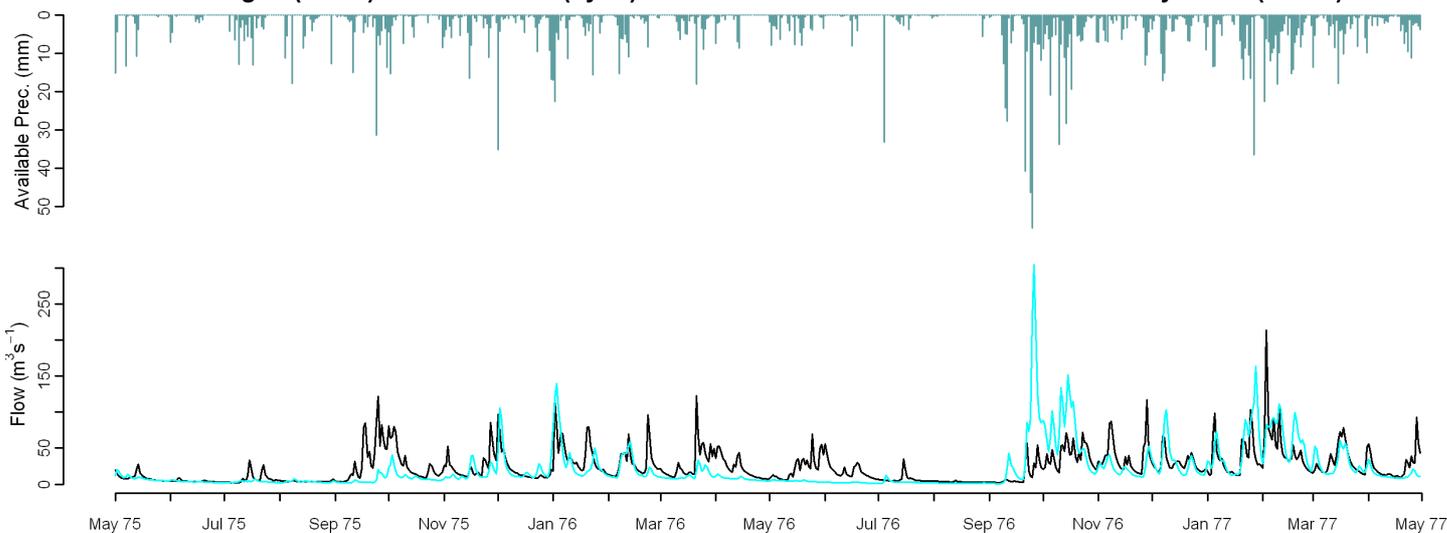
Observed Data

Comparison of gauged and simulated flow

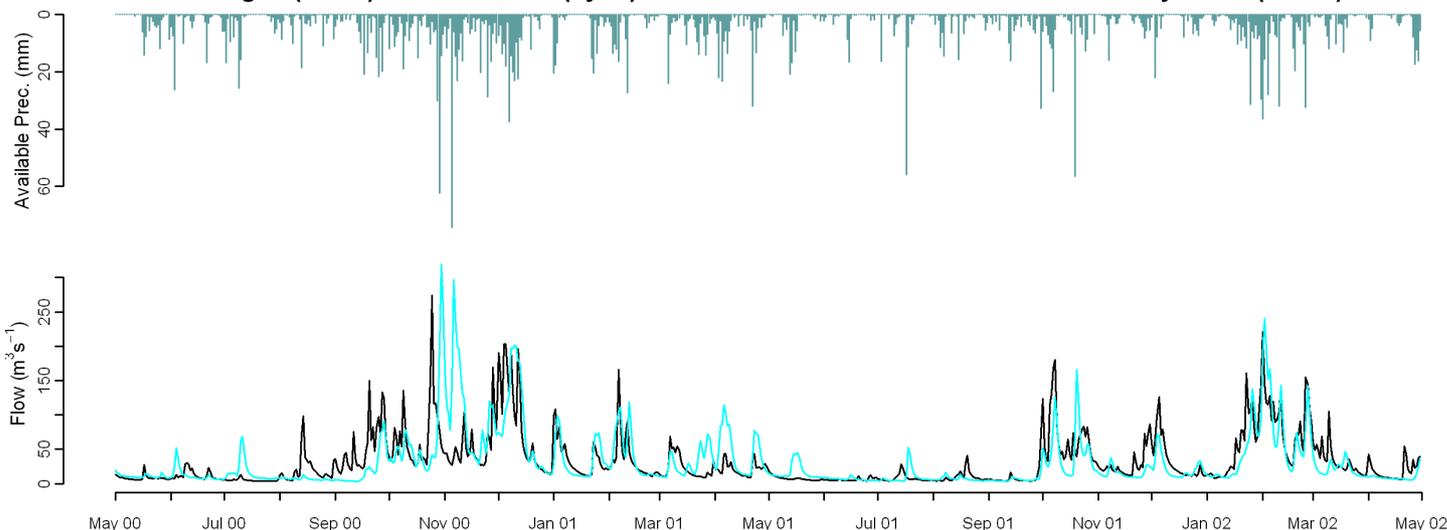
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-22.0	-15.5	-20.4	-24.6	-14.1	-26.8	-24.2	-42.0	-51.2	-38.8	-24.2	-13.7	-11.1	0.19
Performance Band	3	2	2	2	2	2	2	3	3	3	3	2	1	3
MORECS (1962-1991)	-19.6	-11.4	-12.9	-12.1	-8.5	-17.9	-21.0	-44.1	-43.8	-45.1	-31.4	-12.6	-9.7	0.15
	Q90	Q75	Q50	Q25	Q5									
MORECS (1971-2005)	-15.6	-20.2	-35.0	-28.7	-11.1									
Performance Band	1	1	2	1	1									
MORECS (1962-1991)	-12.8	-17.6	-31.1	-25.4	-10.5									
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					

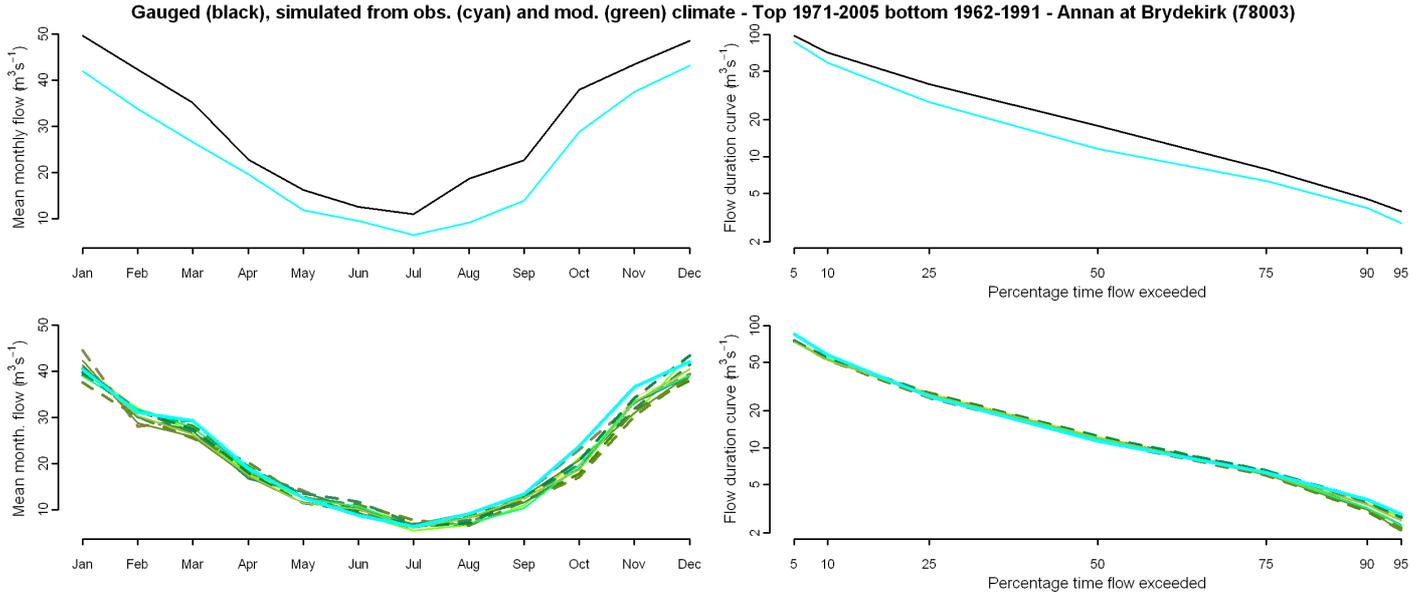
Gauged (black) and simulated (cyan) flows from observed climate - Annan at Brydekirk (78003)



Gauged (black) and simulated (cyan) flows from observed climate - Annan at Brydekirk (78003)



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	-5	-2	0	-5	-6	-6	-2	-6	-4	-6
January	2	-5	4	9	5	-3	1	3	-4	-5	4
April	-7	-5	3	1	-11	6	-11	-1	-4	-6	-7
July	-10	11	15	1	3	28	8	8	-1	1	-8
October	-10	-22	-19	0	-13	-23	-12	-12	-17	-12	-23
Q90	-7	-22	-7	-6	-21	-17	-16	-3	-15	-4	-12
Q75	-4	-5	3	5	-6	-6	0	6	-3	1	-4
Q50	4	3	8	9	3	2	7	6	3	9	5
Q25	4	-1	7	8	-1	-1	3	6	0	5	2
Q5	-11	-13	-10	-10	-13	-11	-14	-10	-13	-13	-15
RP2	-11	-3	-11	-2	0	-3	-1	3	-4	-1	-5
RP10	-8	-2	-11	-5	1	-9	-8	-2	10	-3	1

Climate change graphs for 2050s

