

General Information

River Name	Annan	Catchment Area (km ²)	217
Station Name	Woodfoot	SAAR (mm) 61-90	1592
Station Number	78006	Mean Annual Rain (mm) 62-91	1612
Grid Reference	NT099010	Mean Annual PE (mm) 62-91	429
EA Region	SEPA-SW	Observed flow record	1983 to 2005



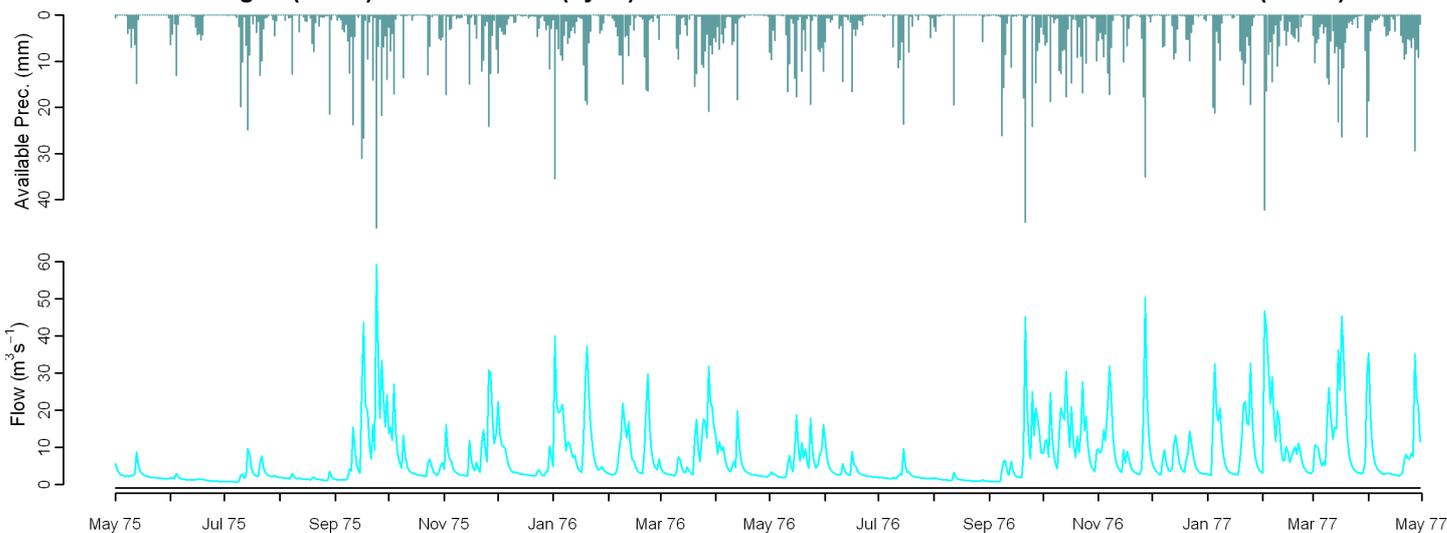
Observed Data

Comparison of gauged and simulated flow

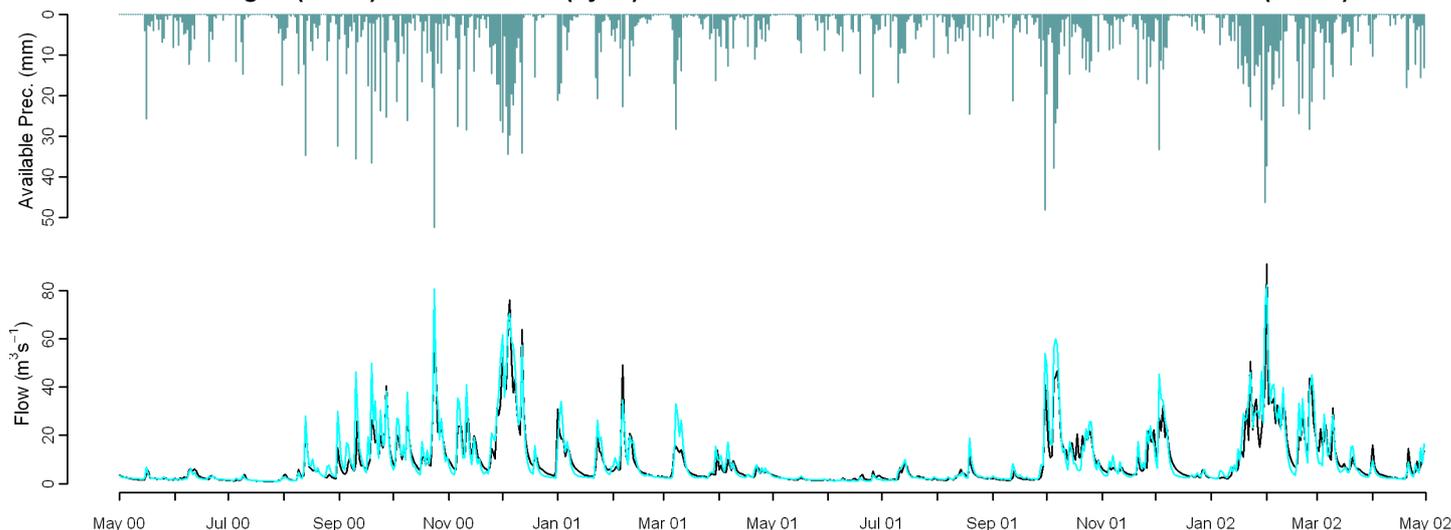
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	5.5	3.1	4.5	4.4	-0.6	-3.2	-8.0	2.0	8.2	10.0	15.1	8.0	7.5	0.77
Performance Band	1	1	1	2	1	1	1	2	1	1	1	2	2	1
MORECS (1962-1991)	3.2	-0.9	2.3	5.9	-11.3	-4.0	-4.2	6.9	2.1	2.0	11.9	6.5	8.6	0.80
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	7.9	-6.1	-20.3	2.1	21.3									
Performance Band	1	1	2	2	2									
MORECS (1962-1991)	4.2	-9.2	-23.2	0.9	14.2									

Gauged (black) and simulated (cyan) flows from observed climate - Annan at Woodfoot (78006)

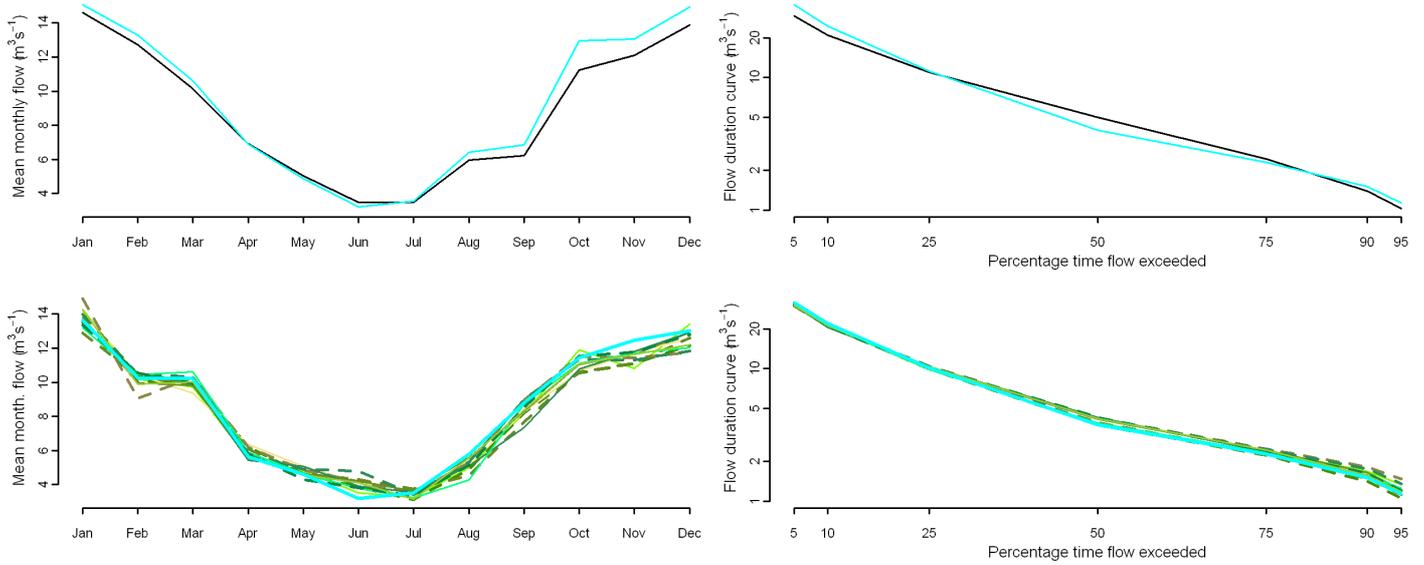


Gauged (black) and simulated (cyan) flows from observed climate - Annan at Woodfoot (78006)



Comparison of gauged and simulated flow (observed and modelled climate)

Gauged (black), simulated from obs. (cyan) and mod. (green) climate - Top 1971-2005 bottom 1962-1991 - Annan at Woodfoot (78006)



Percentage difference between flow simulated from observed climate and Future Flows Climate

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	0	-1	0	4	0	-2	-1	2	-1	0	0
January	5	0	5	6	1	-1	-3	2	-4	-5	9
April	0	5	14	15	0	8	-2	4	2	5	-2
July	-6	-2	-6	3	3	0	2	-2	-8	-8	-11
October	4	-1	-10	4	-3	-5	4	-4	-2	4	-2
Q90	12	-3	3	22	5	-1	2	16	6	2	4
Q75	6	-1	4	10	5	-2	3	8	2	4	5
Q50	11	2	12	14	10	4	13	12	4	11	11
Q25	1	-1	2	3	-1	-1	3	2	-2	1	2
Q5	-4	-3	-5	-1	-3	-5	-4	0	-1	-4	-6
RP2	-1	1	1	0	4	3	-2	4	4	-1	0
RP10	-7	-2	-1	-2	15	-7	-10	4	-2	7	2

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Annan at Woodfoot (78006)

