

General Information

River Name	Allan Water	Catchment Area (km2)	161
Station Name	Kinbuck	SAAR (mm) 61-90	1376
Station Number	18001	Mean Annual Rain (mm) 62-91	1386
Grid Reference	NN792053	Mean Annual PE (mm) 62-91	501
EA Region	SEPA-SE	Observed flow record	1961 to 2003



Observed Data

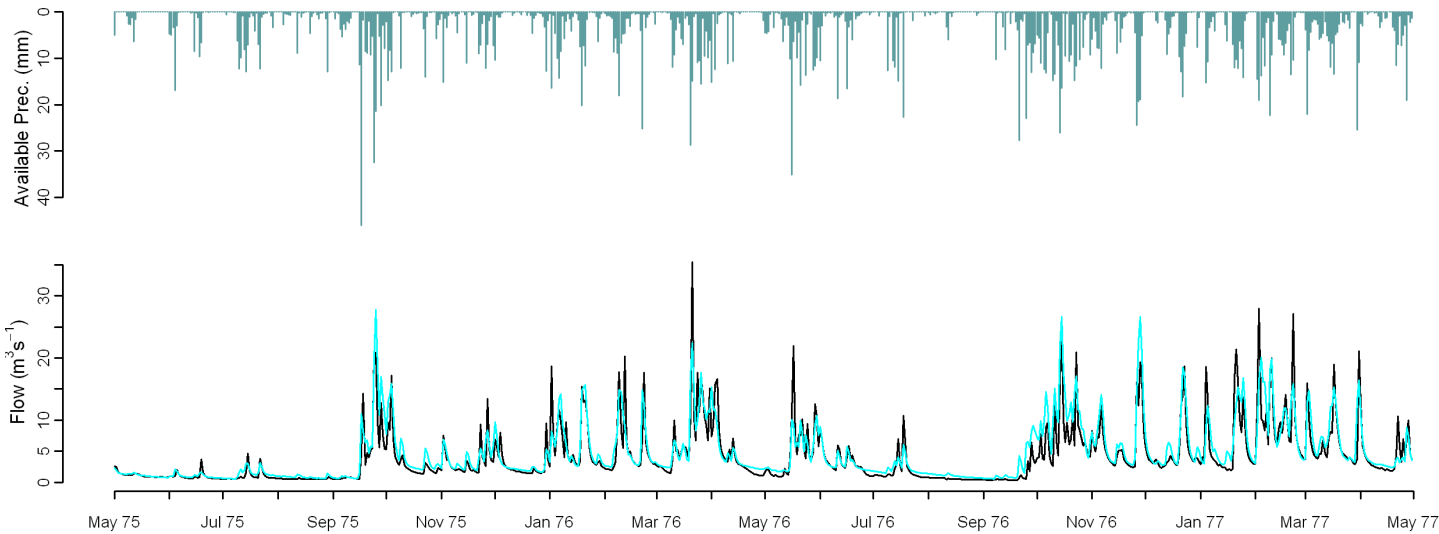
Comparison of gauged and simulated flow

Model used: CERF

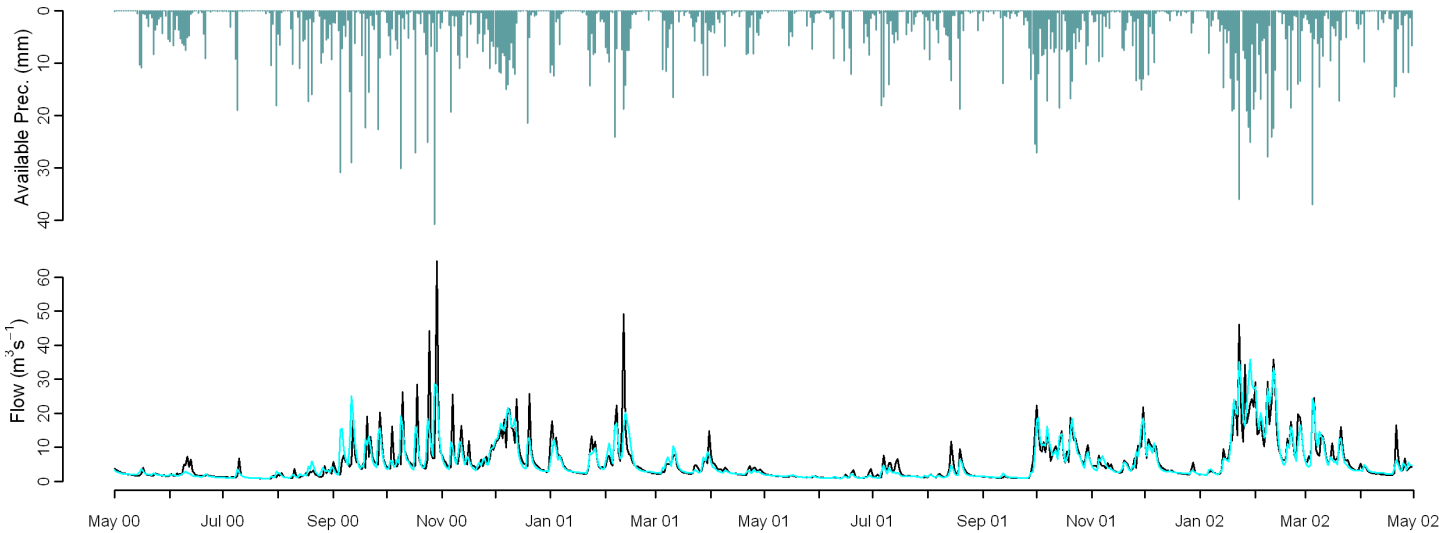
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	4.1	2.4	3.9	-0.6	-5.4	-5.0	-4.1	4.6	9.9	15.9	11.4	5.9	6.1	0.78
Performance Band	1	1	1	1	1	1	1	1	1	2	1	1	1	1
MORECS (1962-1991)	3.0	2.6	3.1	-2.6	-6.4	-9.1	-0.8	7.1	10.6	10.9	9.3	5.9	3.0	0.76

	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20
MORECS (1971-2005)	17.0	14.3	-1.0	1.0	8.4				
Performance Band	1	1	1	1	1				
MORECS (1962-1991)	19.7	12.4	-2.3	1.2	5.5				

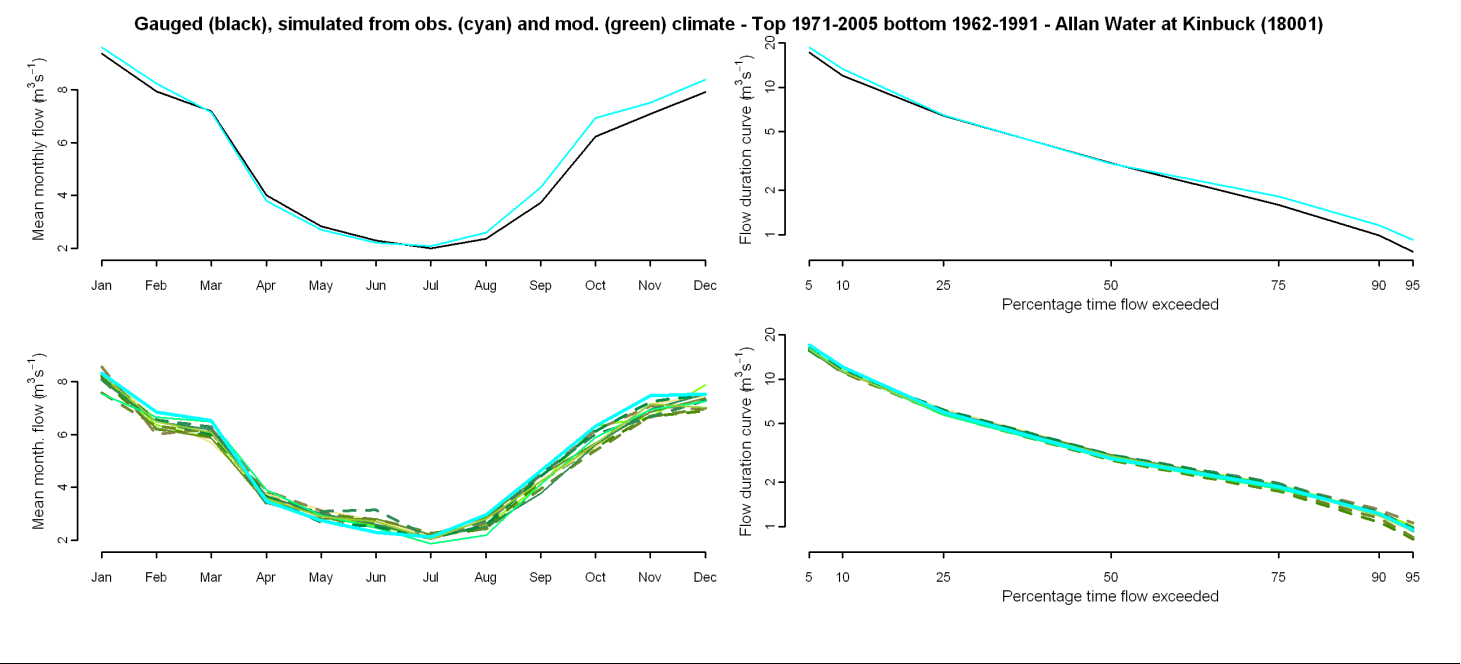
Gauged (black) and simulated (cyan) flows from observed climate - Allan Water at Kinbuck (18001)



Gauged (black) and simulated (cyan) flows from observed climate - Allan Water at Kinbuck (18001)



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

Climate change graphs for 2050s

