

General Information

River Name	Blackadder Water	Catchment Area (km2)	159
Station Name	Mouth Bridge	SAAR (mm) 61-90	773
Station Number	21027	Mean Annual Rain (mm) 62-91	784
Grid Reference	NT826530	Mean Annual PE (mm) 62-91	521
EA Region	SEPA-SE	Observed flow record	1973 to 2005



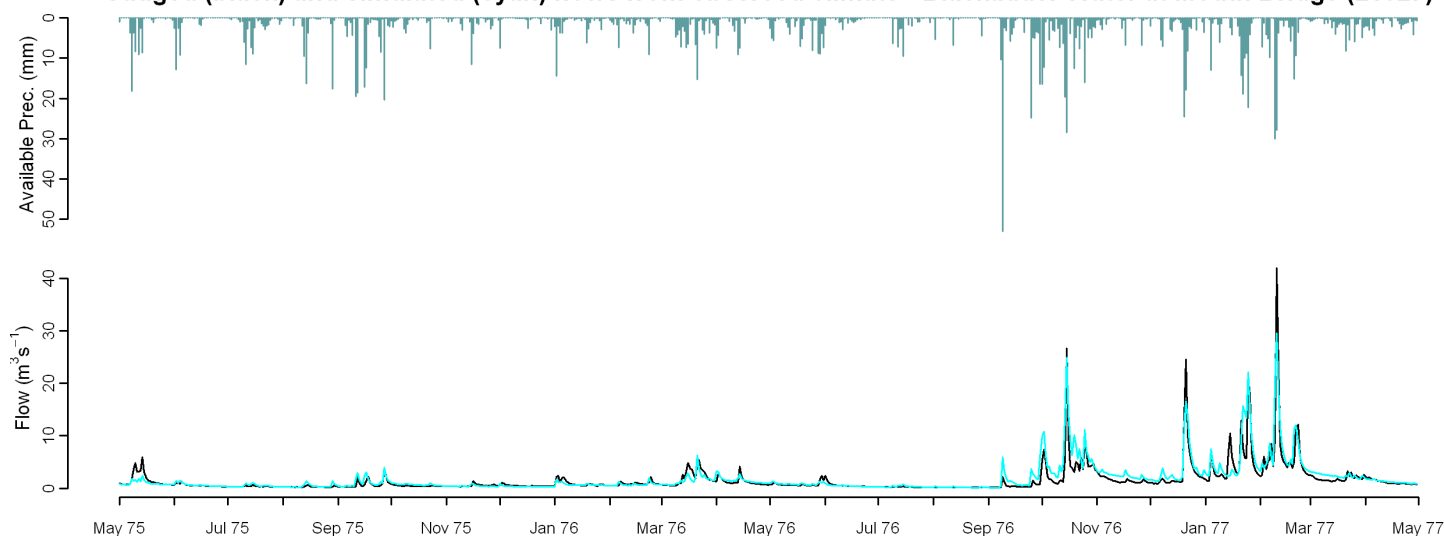
Observed Data

Comparison of gauged and simulated flow

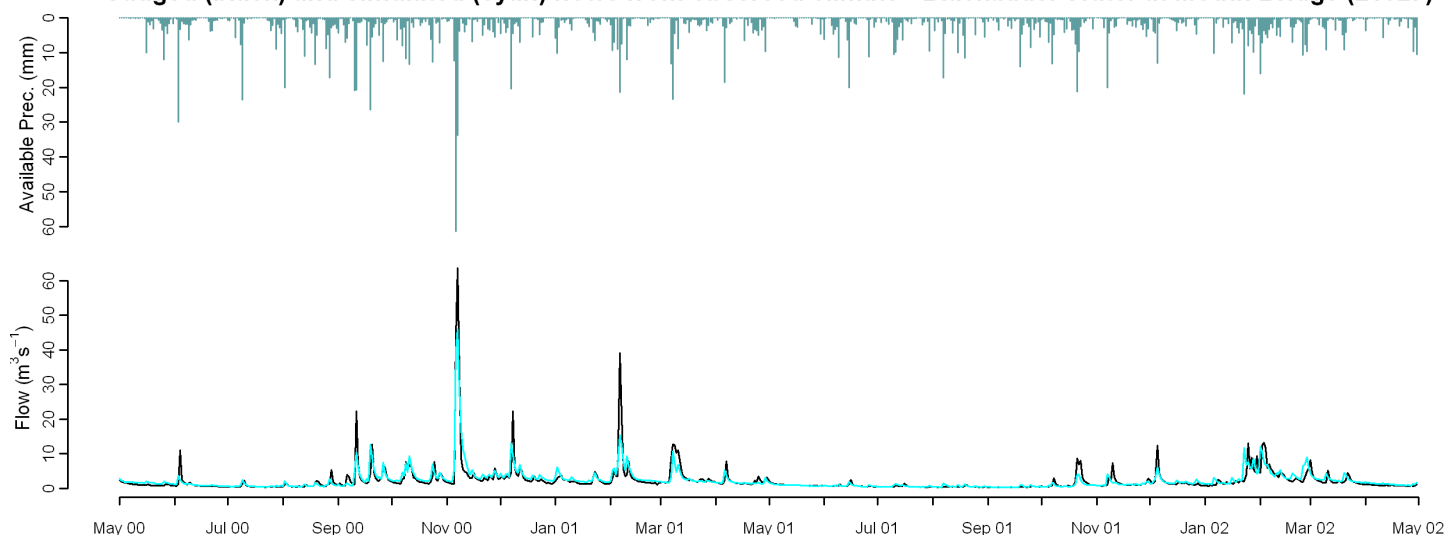
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	4.2	9.7	9.4	1.4	-1.0	-4.0	-3.8	2.0	0.2	11.0	-3.1	4.1	9.1	0.68
Performance Band	1	2	1	1	1	1	1	1	1	1	2	1	2	1
MORECS (1962-1991)	4.1	6.5	7.3	0.4	5.2	-6.4	-2.7	0.1	6.8	18.4	3.0	2.3	5.1	0.72
	Q90	Q75	Q50	Q25	Q5									
MORECS (1971-2005)	-3.6	4.8	15.6	12.4	2.7									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-3.3	1.8	10.4	11.1	1.0									

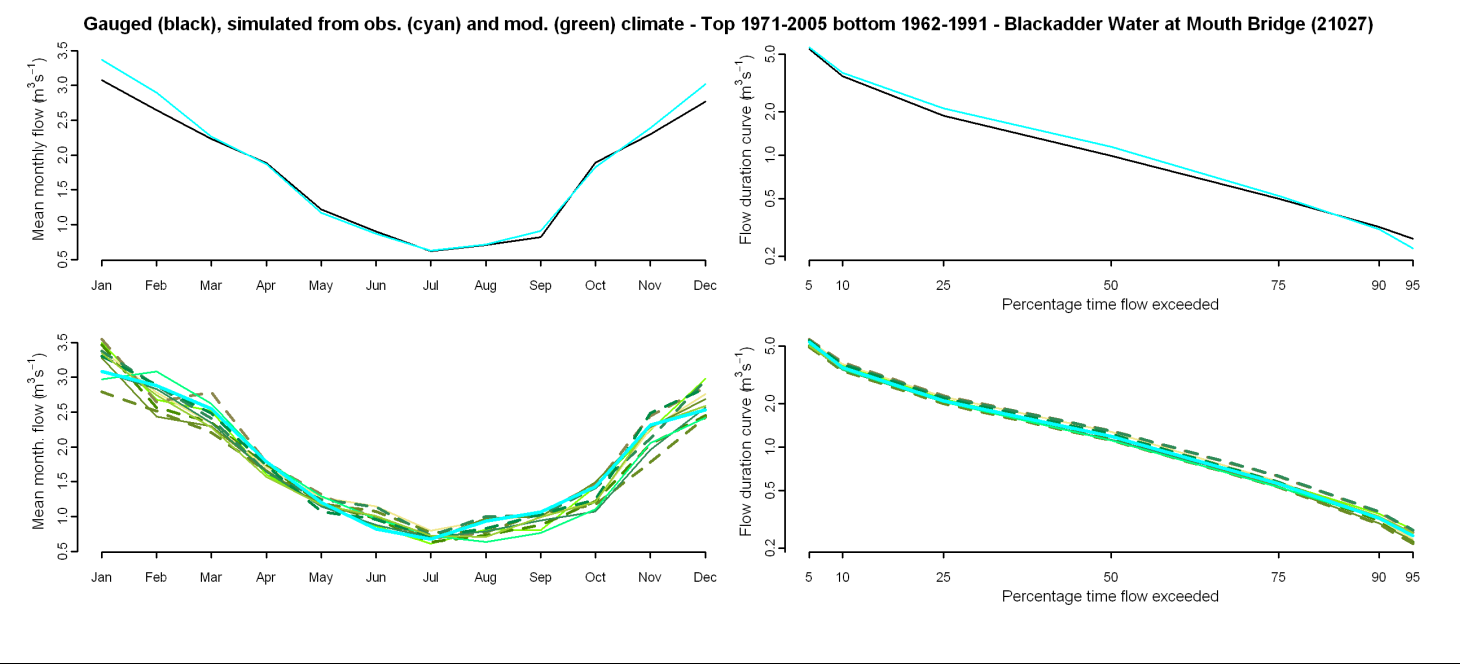
Gauged (black) and simulated (cyan) flows from observed climate - Blackadder Water at Mouth Bridge (21027)



Gauged (black) and simulated (cyan) flows from observed climate - Blackadder Water at Mouth Bridge (21027)



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	-3	5	7	-2	-5	-5	6	-3	3	-4
January	15	5	10	15	6	-3	-1	11	-1	8	8
April	-10	-9	1	4	-5	-7	-6	2	2	-2	-10
July	-7	2	21	4	-2	10	5	6	6	5	8
October	1	-13	-14	6	-1	-17	-15	-4	-20	-13	-13
Q90	9	-3	-1	10	-11	-10	-1	12	-1	-3	4
Q75	1	2	3	13	-7	-7	0	15	-6	1	1
Q50	-1	-2	7	11	-2	-5	-5	11	-6	3	1
Q25	3	-3	7	10	0	-2	-1	9	-1	4	-1
Q5	2	-9	2	4	-2	-5	-5	4	-3	2	-8
RP2	-6	-8	-8	-1	-4	-15	-10	-10	-10	-2	-8
RP10	-18	-11	-13	-10	-7	-21	-23	-15	-13	-6	1

Climate change graphs for 2050s

