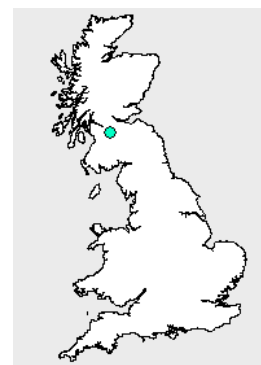


## General Information

River Name	Cander Water	Catchment Area (km2)	25
Station Name	Candermill	SAAR (mm) 61-90	1029
Station Number	84029	Mean Annual Rain (mm) 62-91	1024
Grid Reference	NS765471	Mean Annual PE (mm) 62-91	510
EA Region	SEPA-SW	Observed flow record	1975 to 2005



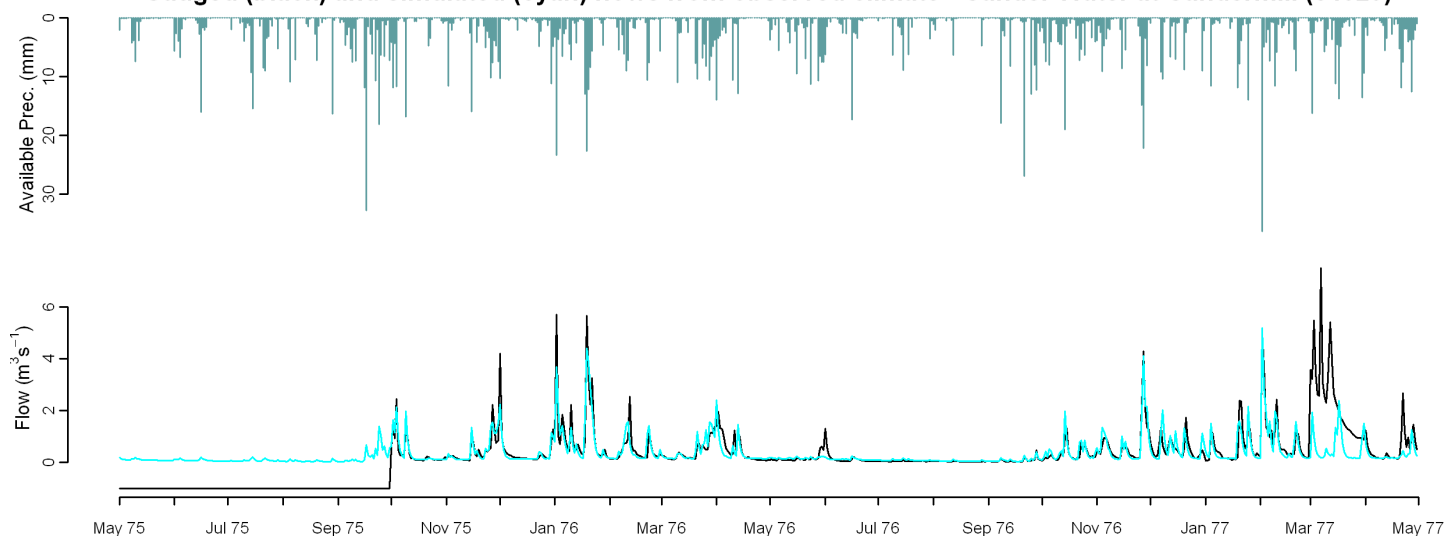
## Observed Data

## Comparison of gauged and simulated flow

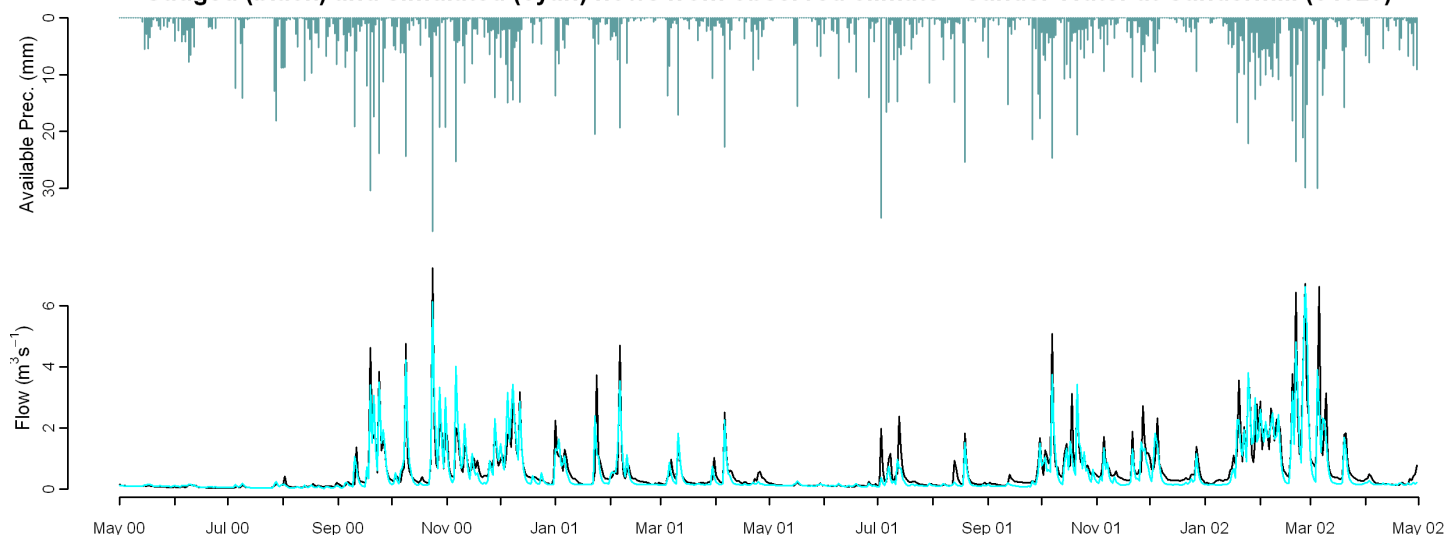
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-9.1	-5.5	-7.5	-21.9	-20.9	-24.5	-10.5	-25.2	-4.4	-10.3	-2.6	-4.0	-2.4	0.78
Performance Band	1	1	2	2	2	2	2	2	2	2	2	1	1	1
MORECS (1962-1991)	-12.5	-13.1	-10.4	-26.0	-18.1	-15.8	-5.8	-9.0	-14.5	-12.9	-8.2	-4.1	-7.9	0.79
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	28.4	11.8	-28.3	-23.5	-2.2									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	39.3	21.6	-26.5	-26.2	-7.2									

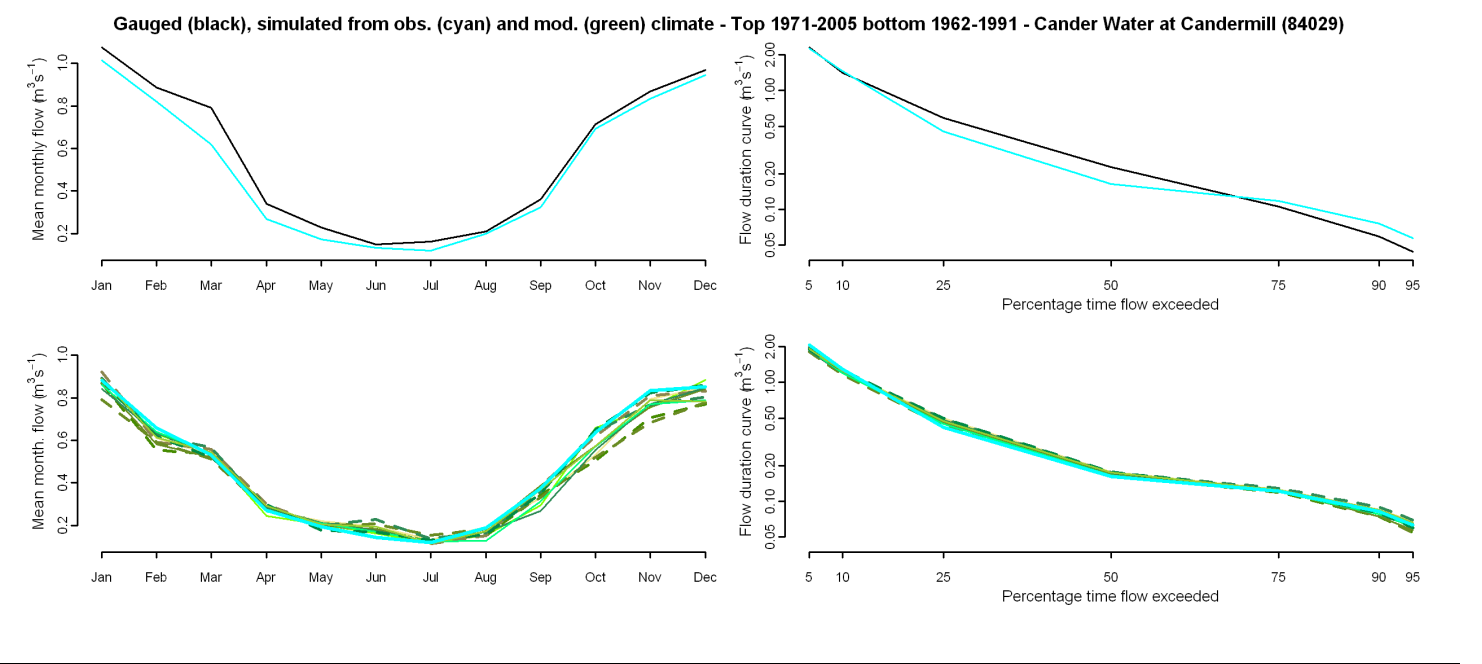
### Gauged (black) and simulated (cyan) flows from observed climate - Cander Water at Candermill (84029)



### Gauged (black) and simulated (cyan) flows from observed climate - Cander Water at Candermill (84029)



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	0	-4	0	4	-2	-5	-3	3	-3	1	-1
January	2	-1	1	2	-2	-6	-7	3	-1	-3	4
April	-8	5	3	17	-1	2	8	6	-2	13	6
July	3	16	11	-2	-1	13	4	16	5	10	-2
October	1	-16	-20	2	-10	-19	-3	-3	-12	3	-6
Q90	2	-9	2	-1	-11	-9	0	10	-5	-6	5
Q75	2	-2	2	1	-2	-2	1	5	-2	-1	2
Q50	6	1	8	7	4	3	8	8	2	7	7
Q25	15	4	17	19	10	4	15	19	7	18	13
Q5	-8	-12	-10	-5	-9	-12	-11	-6	-9	-9	-8
RP2	-13	-10	-10	-8	-9	-9	-14	-9	-5	-9	-8
RP10	-14	-14	-14	-13	-3	-14	-17	-5	-9	-3	-8

Climate change graphs for 2050s

