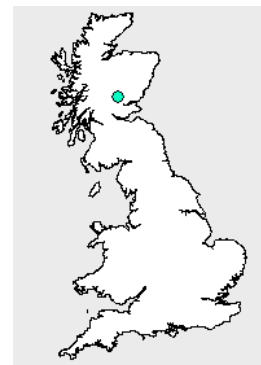


## General Information

River Name	Braan	Catchment Area (km2)	210
Station Name	Hermitage	SAAR (mm) 61-90	1324
Station Number	15023	Mean Annual Rain (mm) 62-91	1334
Grid Reference	NO014422	Mean Annual PE (mm) 62-91	466
EA Region	SEPA-NE	Observed flow record	1983 to 2005



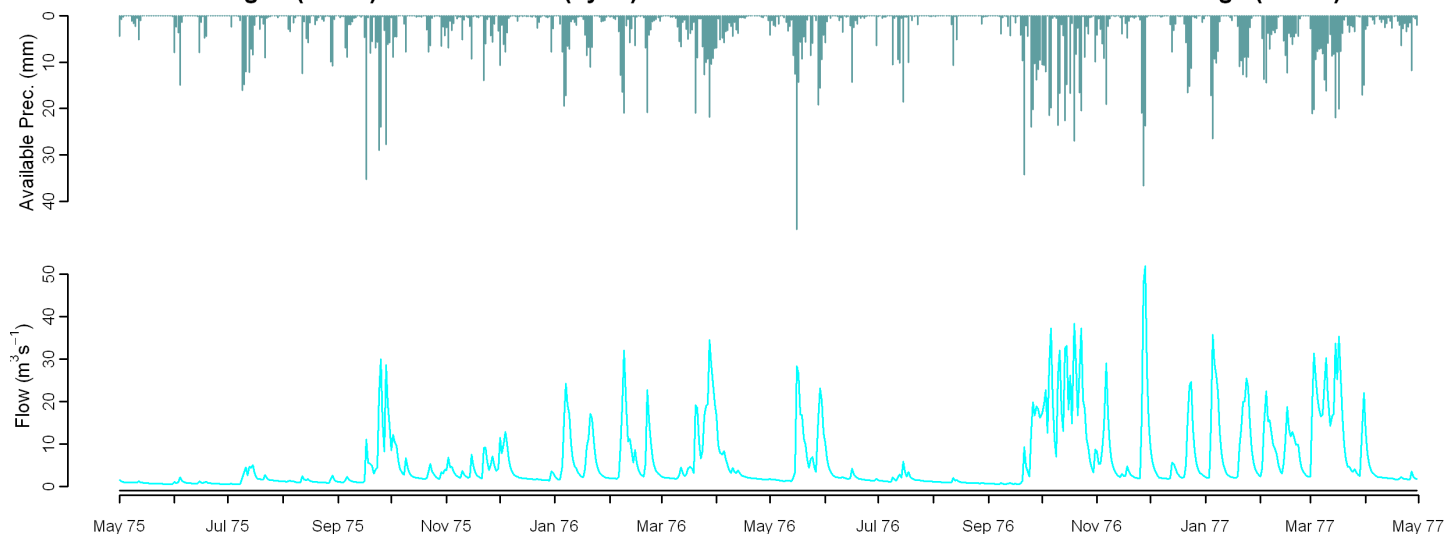
## Observed Data

## Comparison of gauged and simulated flow

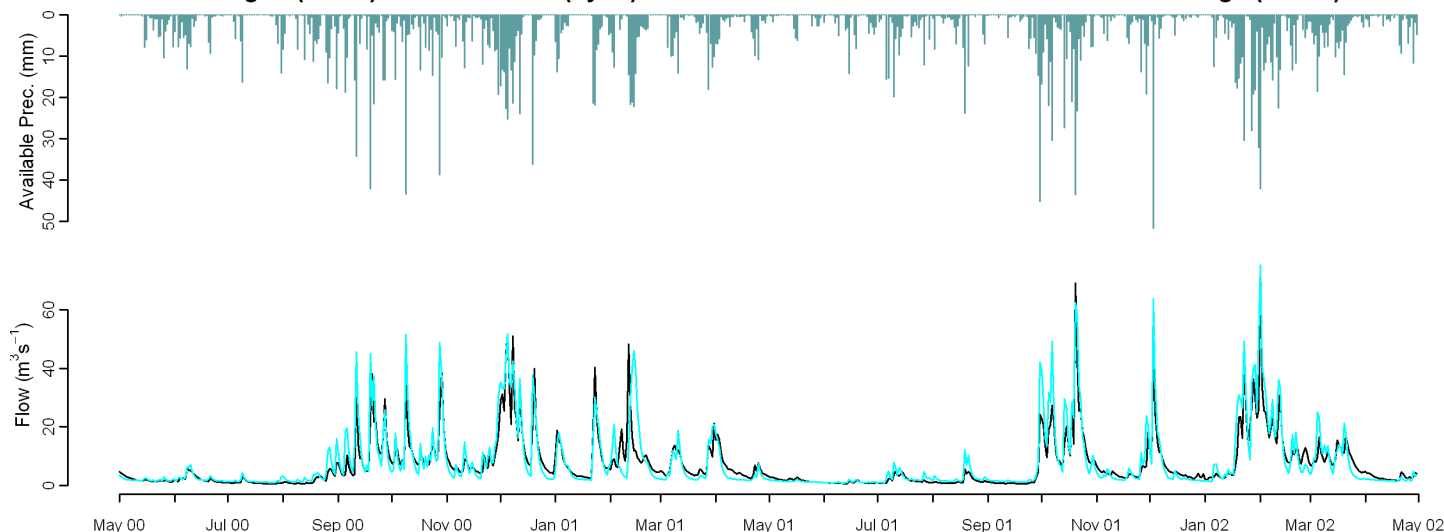
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	6.6	0.2	2.8	-4.5	-11.4	-6.5	2.4	41.2	34.5	31.6	20.2	6.9	5.7	0.74
Performance Band	1	1	1	1	1	2	1	3	1	2	1	1	1	1
MORECS (1962-1991)	4.2	-8.4	2.6	-5.5	-22.9	-12.0	-1.3	34.0	30.5	34.2	19.7	5.6	9.8	0.68
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	51.5	-0.8	-26.8	-0.9	26.3									
Performance Band	1	1	2	2	2									
MORECS (1962-1991)	44.9	-8.6	-31.8	-3.3	25.8									

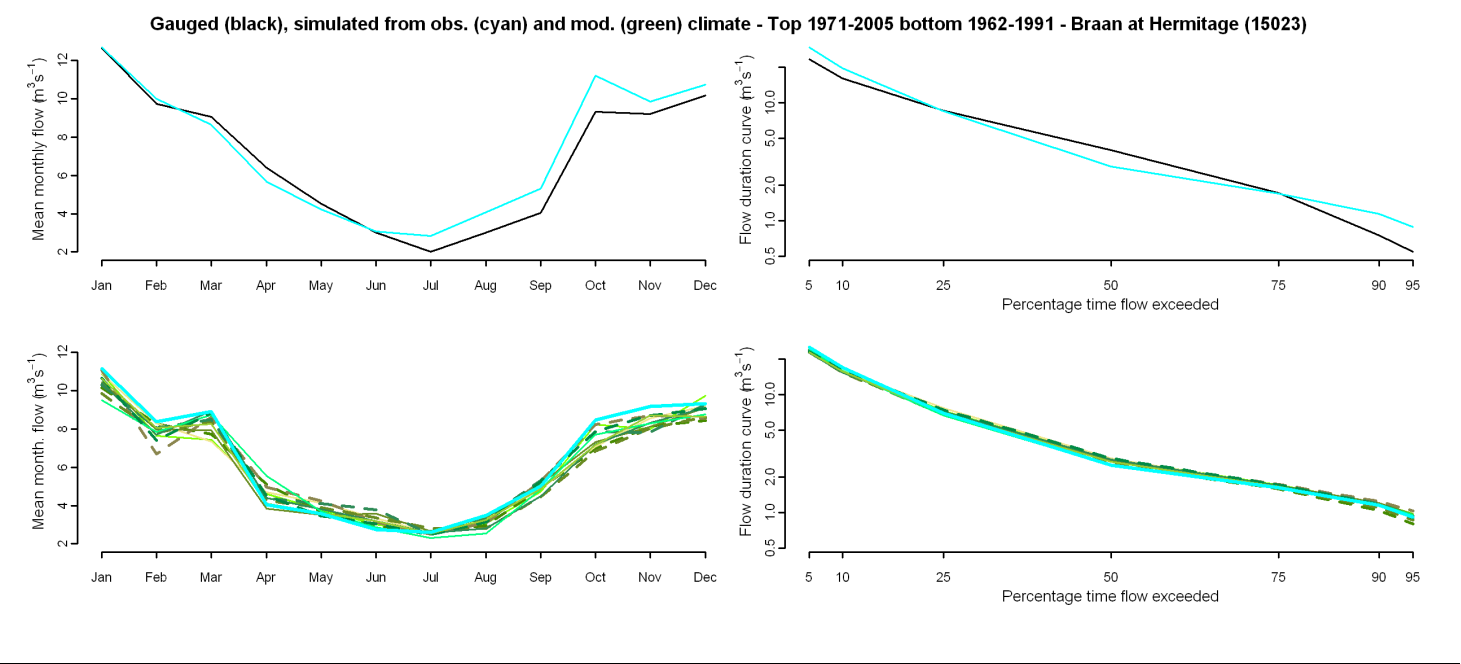
Gauged (black) and simulated (cyan) flows from observed climate - Braan at Hermitage (15023)



Gauged (black) and simulated (cyan) flows from observed climate - Braan at Hermitage (15023)



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	-4	-2	2	-6	-5	-3	-1	-4	-2	-5
January	0	-10	0	-2	-7	-8	-10	-8	-18	-5	-1
April	14	24	18	28	-2	6	8	10	37	12	2
July	1	7	4	1	2	-7	5	-4	-9	-7	-3
October	-3	-14	-19	1	-14	-15	-7	-11	-6	-6	-10
Q90	4	-7	0	10	1	-5	0	2	1	-2	-2
Q75	5	-2	3	8	2	-3	4	5	-1	4	1
Q50	13	2	14	14	6	2	12	13	0	12	6
Q25	4	-1	8	6	-3	-3	4	5	-3	6	-1
Q5	-8	-8	-11	-5	-10	-10	-10	-7	-5	-9	-10
RP2	-20	-12	-20	-11	-7	-11	-16	-12	-10	-16	-7
RP10	-12	-15	-14	-8	-2	-7	-4	-13	-3	-13	-10

Climate change graphs for 2050s

