

## General Information

River Name	Dochart	Catchment Area (km2)	239
Station Name	Killin	SAAR (mm) 61-90	2520
Station Number	15024	Mean Annual Rain (mm) 62-91	2538
Grid Reference	NN564320	Mean Annual PE (mm) 62-91	436
EA Region	SEPA-NE	Observed flow record	1982 to 2005



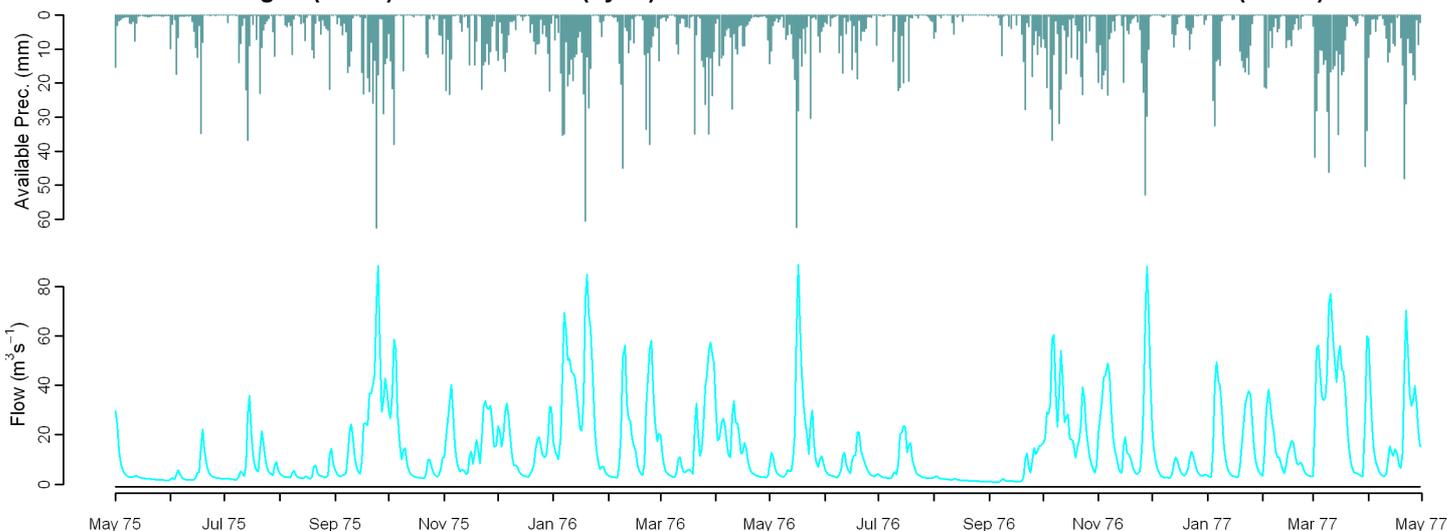
## Observed Data

## Comparison of gauged and simulated flow

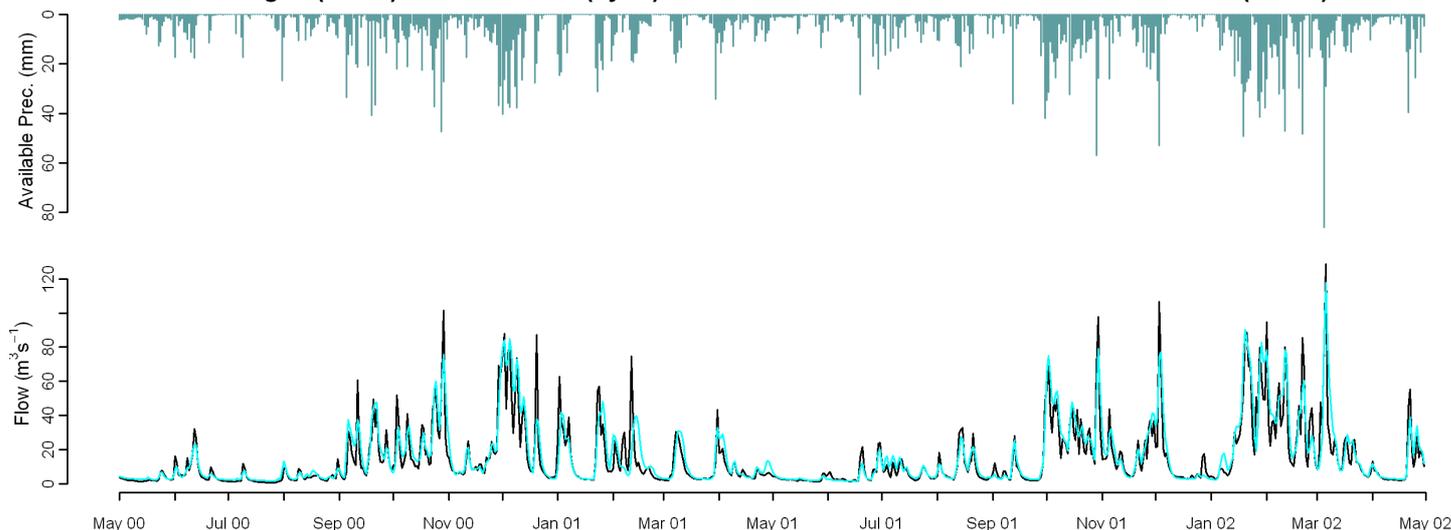
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	14.4	18.1	14.7	15.6	17.1	15.1	4.5	5.0	9.7	12.1	14.6	15.0	12.2	0.73
Performance Band	2	2	2	2	2	1	2	1	2	2	2	2	2	1
MORECS (1962-1991)	16.6	20.9	16.6	19.8	18.2	17.8	10.9	11.2	12.0	11.8	14.1	17.1	10.5	0.73
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	35.2	2.5	13.6	28.0	12.7									
Performance Band	1	1	2	1	1									
MORECS (1962-1991)	35.3	1.9	12.0	30.0	13.0									

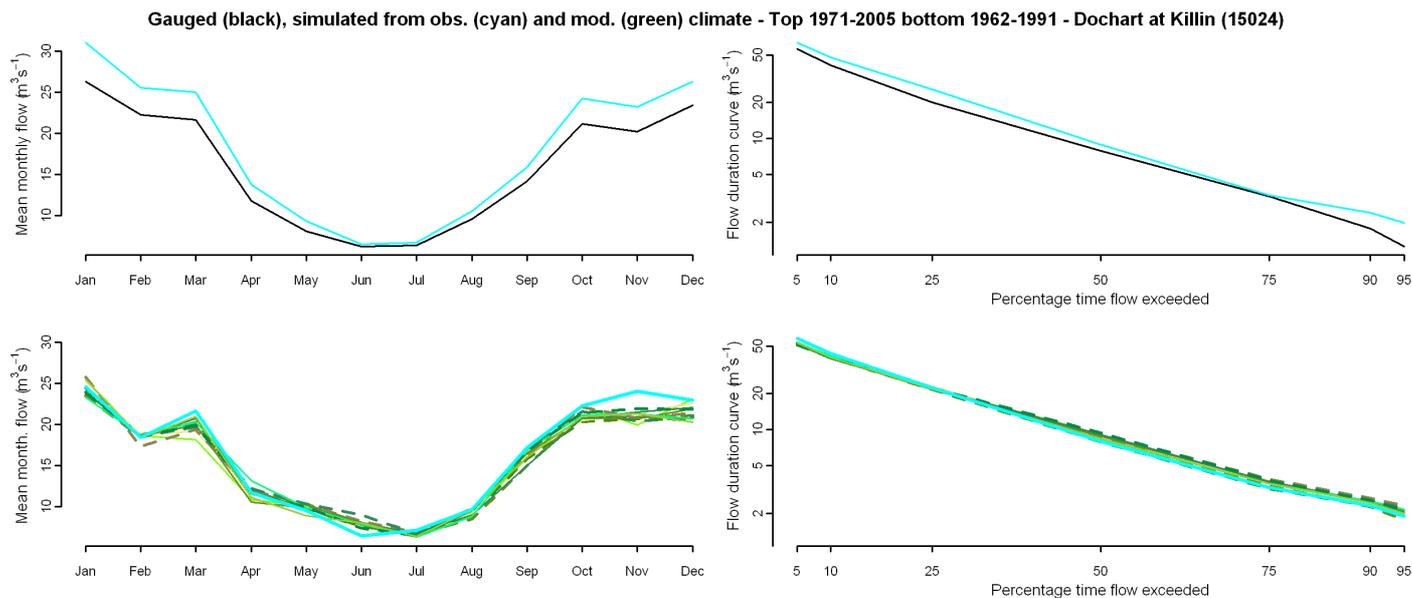
Gauged (black) and simulated (cyan) flows from observed climate - Dochart at Killin (15024)



Gauged (black) and simulated (cyan) flows from observed climate - Dochart at Killin (15024)



## 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
<b>Annual</b>	-3	-4	-2	1	-4	-4	-3	-1	-3	-3	-3
<b>January</b>	4	0	3	3	-3	-1	-5	-1	-8	-4	9
<b>April</b>	-7	2	-1	7	-7	0	0	4	13	1	-7
<b>July</b>	-4	-5	-6	3	-8	-7	4	-4	-11	-10	-11
<b>October</b>	1	-4	-9	2	-6	-4	-2	-4	-3	-3	-2
<b>Q90</b>	8	-1	4	16	6	-2	5	10	9	10	5
<b>Q75</b>	11	-1	6	19	9	3	10	14	8	15	8
<b>Q50</b>	14	0	9	17	9	6	13	15	5	17	6
<b>Q25</b>	1	-3	2	1	-4	-4	0	0	-1	-1	-2
<b>Q5</b>	-12	-8	-9	-11	-11	-9	-10	-10	-8	-12	-8
<b>RP2</b>	-5	-1	-9	0	-5	-4	-3	-1	-4	-6	1
<b>RP10</b>	2	4	-8	5	0	-1	-3	8	0	2	9

## Climate change graphs for 2050s

