

## General Information

River Name	Western Cleddau	Catchment Area (km <sup>2</sup> )	198
Station Name	Prendergast Mill	SAAR (mm) 61-90	1275
Station Number	61001	Mean Annual Rain (mm) 62-91	1274
Grid Reference	SM954177	Mean Annual PE (mm) 62-91	616
EA Region	EA-W	Observed flow record	1965 to 2005



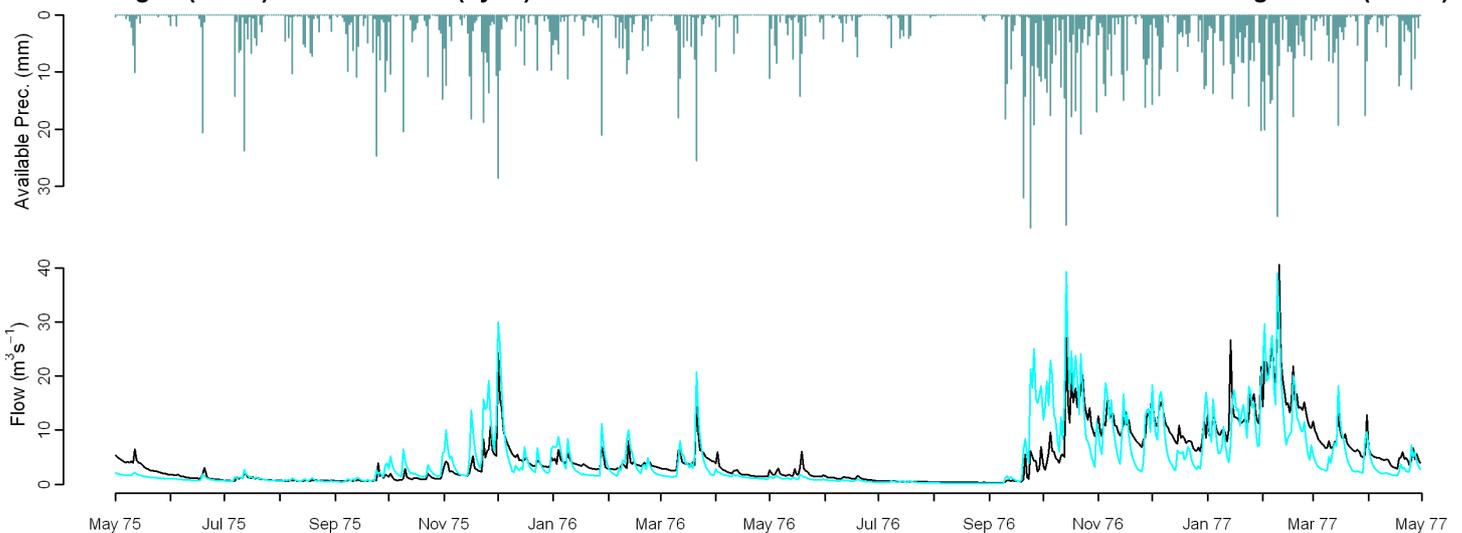
## Observed Data

## Comparison of gauged and simulated flow

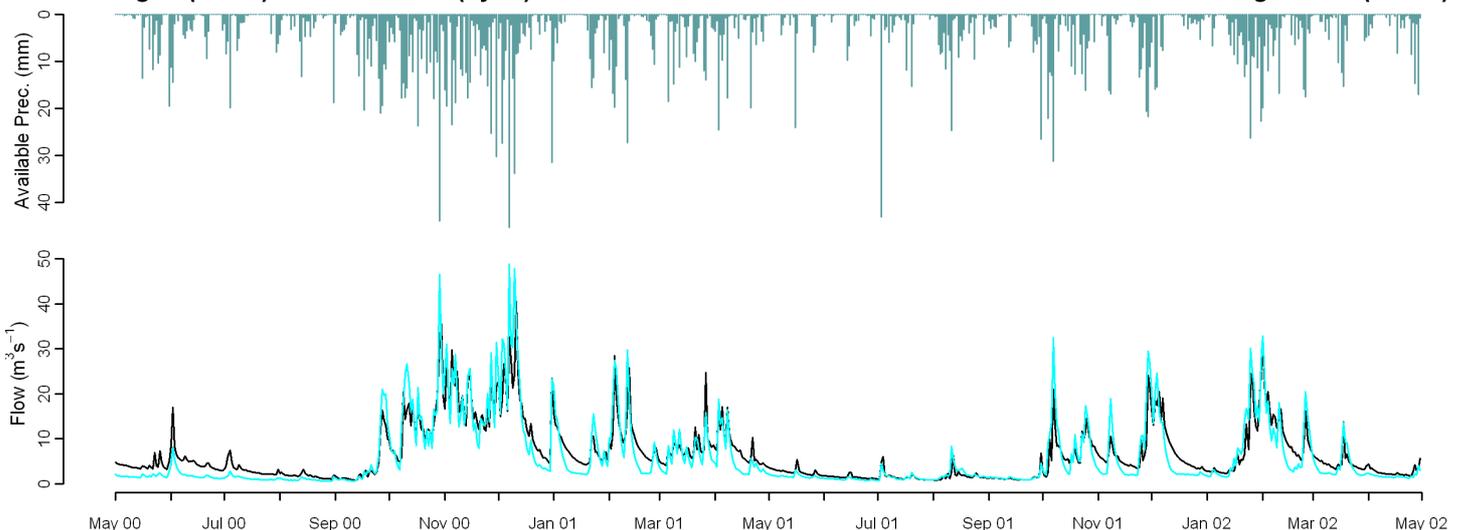
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-4.5	-9.7	-13.2	-16.2	-24.6	-31.8	-24.4	-15.7	24.8	34.1	25.2	4.7	-3.3	0.67
Performance Band	1	1	2	2	2	3	2	2	3	3	2	1	1	1
MORECS (1962-1991)	-4.7	-8.8	-14.4	-19.5	-27.2	-40.5	-34.0	-9.9	28.5	41.8	27.6	7.3	1.5	0.62
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-13.7	-20.7	-36.9	-11.1	16.9									
Performance Band	1	1	1	2	2									
MORECS (1962-1991)	-10.3	-20.0	-39.7	-14.3	20.4									

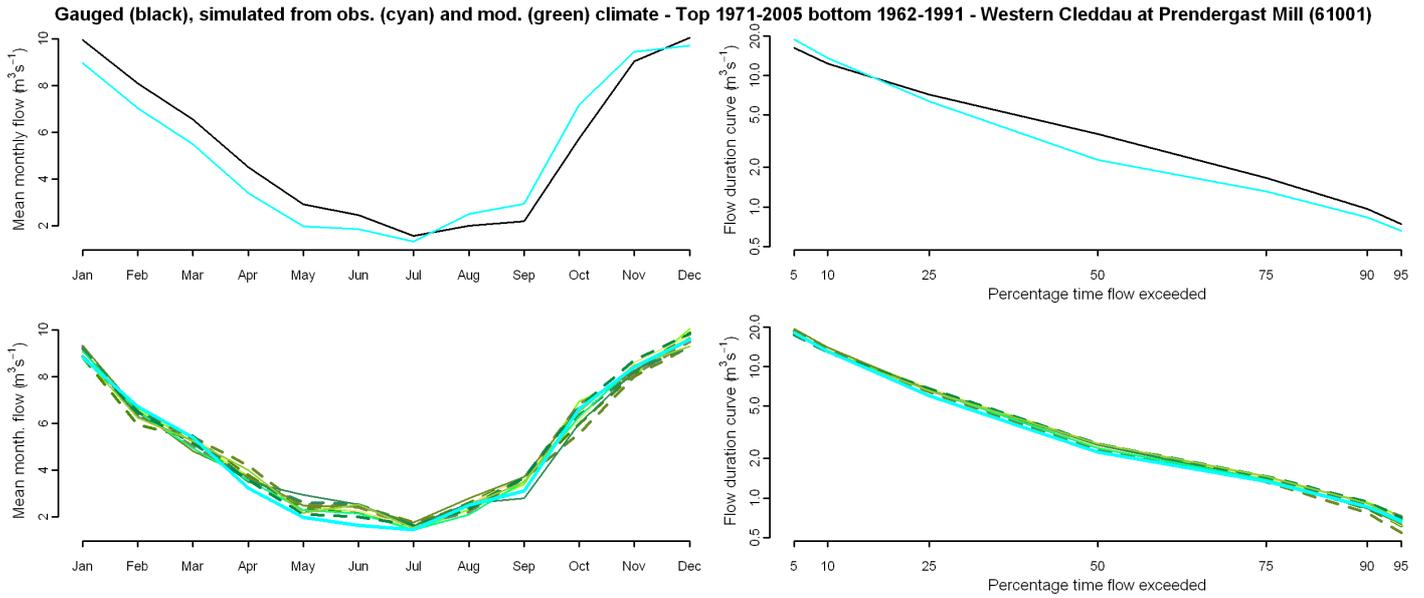
Gauged (black) and simulated (cyan) flows from observed climate - Western Cleddau at Prendergast Mill (61001)



Gauged (black) and simulated (cyan) flows from observed climate - Western Cleddau at Prendergast Mill (61001)



## 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>	5	3	5	5	4	4	2	5	1	2	3
<b>January</b>	6	-1	7	7	5	2	5	4	4	-1	3
<b>April</b>	16	15	16	21	16	28	13	13	9	8	21
<b>July</b>	1	19	19	13	16	30	15	20	0	12	5
<b>October</b>	4	-3	-10	7	-4	-10	-3	-1	-4	3	-2
<b>Q90</b>	8	-3	-1	7	-4	-11	-4	6	-2	5	4
<b>Q75</b>	7	3	6	9	0	-2	4	9	2	8	8
<b>Q50</b>	16	5	8	18	4	3	14	16	6	14	15
<b>Q25</b>	13	7	13	13	7	8	11	13	8	12	8
<b>Q5</b>	-2	2	-1	-1	5	3	-2	0	-4	-5	-1
<b>RP2</b>	-7	-5	-6	-1	-5	-5	-9	-2	-2	-6	-4
<b>RP10</b>	-7	-8	-12	0	3	7	-2	-7	3	-3	1

## Climate change graphs for 2050s

