

## General Information

River Name	Stringsie	Catchment Area (km2)	99
Station Name	Whitebridge	SAAR (mm) 61-90	628
Station Number	33029	Mean Annual Rain (mm) 62-91	627
Grid Reference	TF716006	Mean Annual PE (mm) 62-91	610
EA Region	EA-A	Observed flow record	1965 to 2005



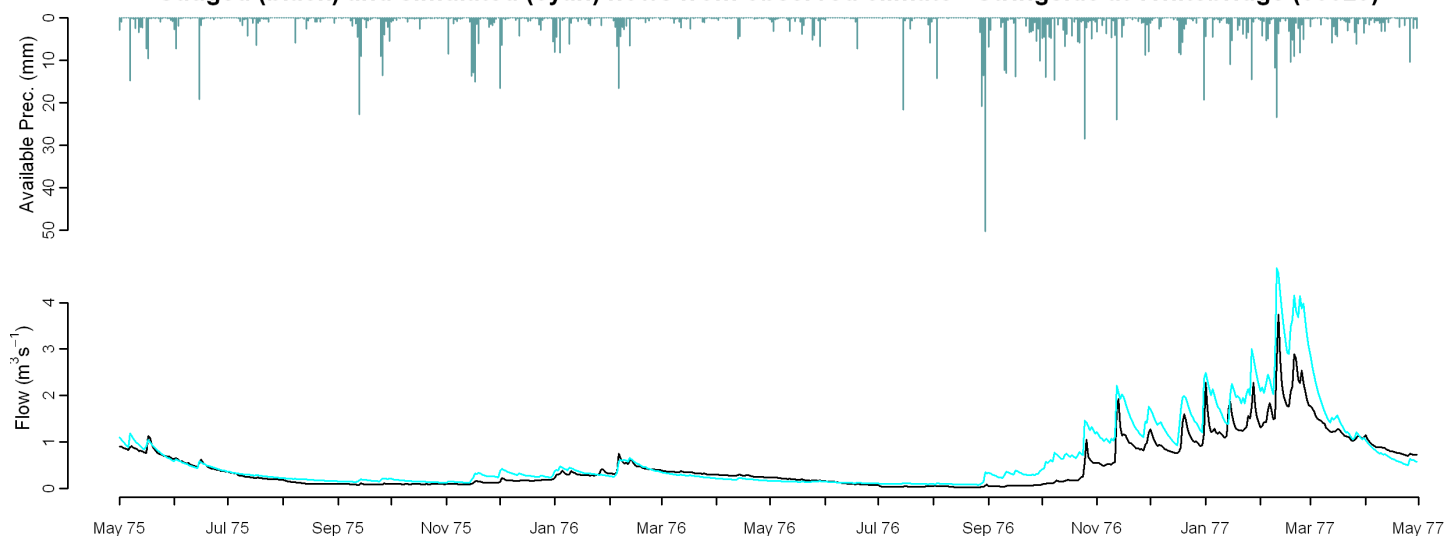
## Observed Data

## Comparison of gauged and simulated flow

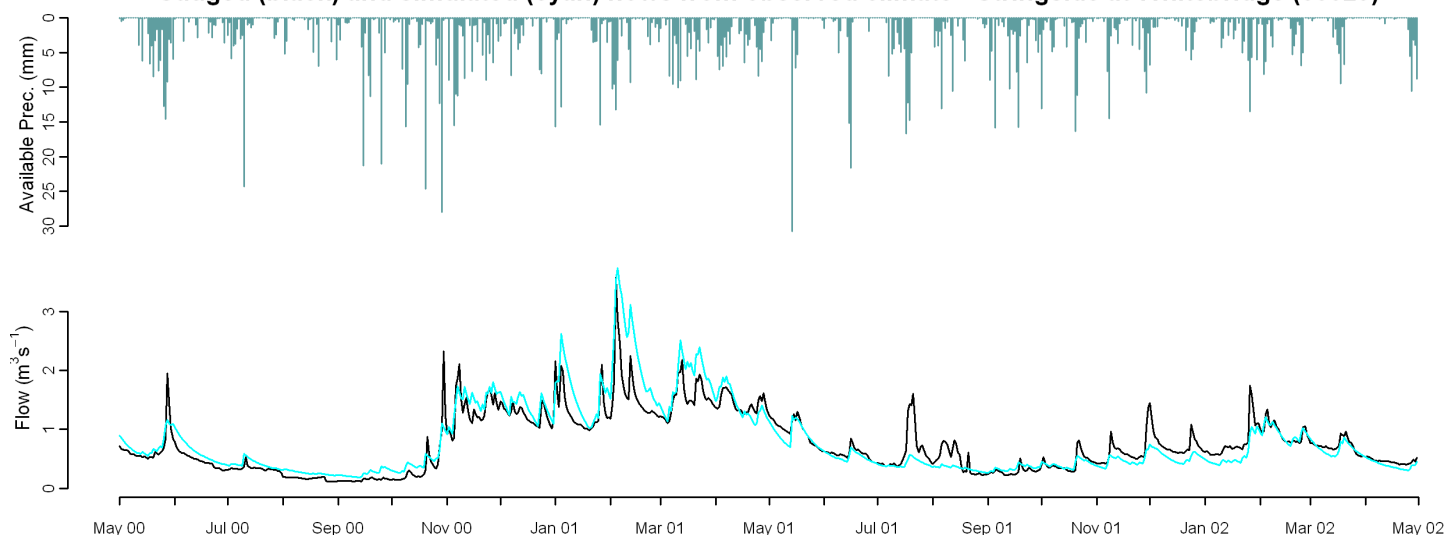
## Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	12.4	5.5	11.6	7.3	0.6	-0.9	11.8	25.0	53.7	75.7	39.6	23.2	12.7	0.76
Performance Band	2	1	2	1	1	1	2	2	3	3	3	2	2	1
FAO (1962-1991)	11.2	5.2	15.4	7.7	-0.3	-4.4	4.4	15.1	34.4	48.1	25.9	20.4	4.6	0.76
	Q90	Q75	Q50	Q25	Q5	RP2		RP5	RP10	RP20				
MORECS (1971-2005)	98.9	56.7	14.2	-5.3	15.7	-18.0		-7.9	0.8	10.2				
Performance Band	3	2	2	1	2									
FAO (1962-1991)	79.9	39.5	0.8	-6.1	15.8	-12.8		-4.1	3.6	11.6				

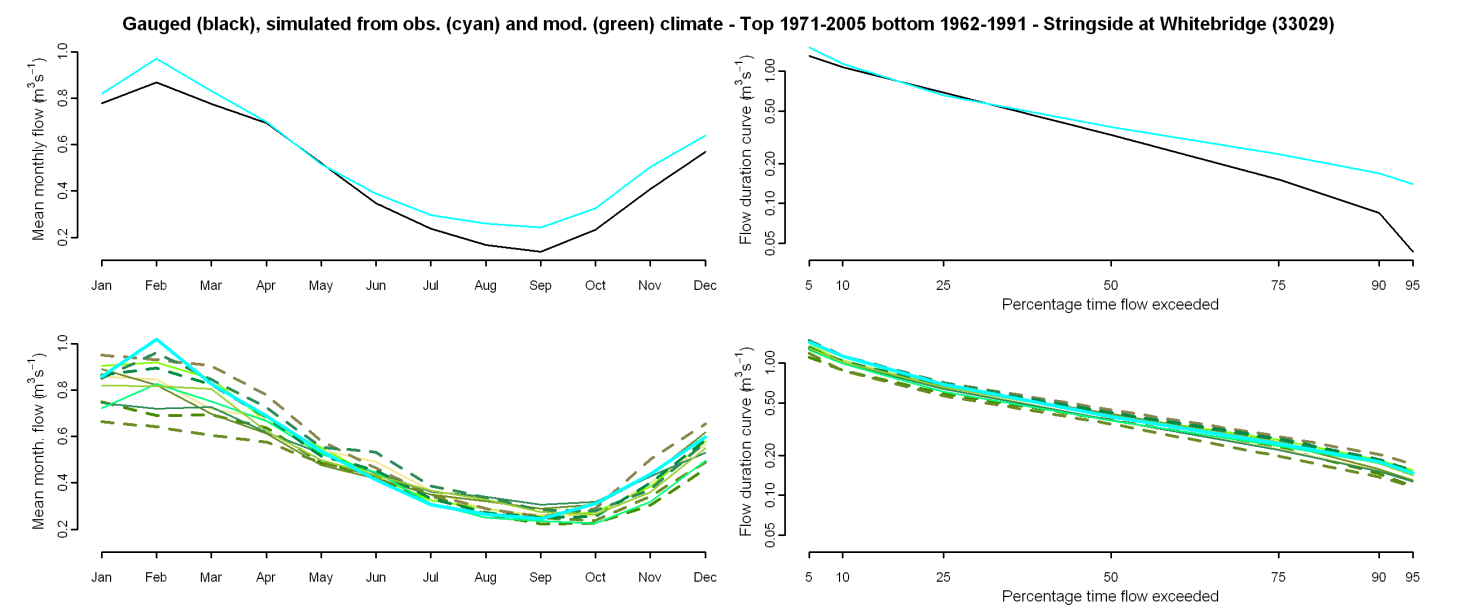
Gauged (black) and simulated (cyan) flows from observed climate - Stringsie at Whitebridge (33029)



Gauged (black) and simulated (cyan) flows from observed climate - Stringsie at Whitebridge (33029)



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	-1	-17	-3	9	-6	-18	-8	3	-10	-3	-7
January	4	-17	4	15	6	-20	-15	3	-12	2	-2
April	-5	-14	1	14	-13	-18	-13	5	-4	-1	-11
July	8	2	19	14	11	9	20	23	0	8	15
October	-10	-26	-17	-4	-11	-24	2	-12	-24	-18	-7
Q90	4	-19	-14	14	-13	-24	-15	-3	-2	4	-5
Q75	7	-6	-9	15	-2	-21	-11	4	-4	9	1
Q50	3	-6	-5	14	2	-13	-6	7	-6	7	0
Q25	-4	-15	-2	5	-7	-18	-9	4	-10	-1	-6
Q5	-7	-27	-1	3	-12	-18	-9	3	-12	-11	-14
RP2	-20	-30	-10	-2	-21	-25	-12	-4	-18	-16	-25
RP10	-6	-34	4	7	-18	-24	1	-3	-28	-19	-25

Climate change graphs for 2050s

