

General Information

River Name	Ewe	Catchment Area (km2)	441
Station Name	Poolewe	SAAR (mm) 61-90	2278
Station Number	94001	Mean Annual Rain (mm) 62-91	2265
Grid Reference	NG859803	Mean Annual PE (mm) 62-91	430
EA Region	SEPA-NW	Observed flow record	1970 to 2005



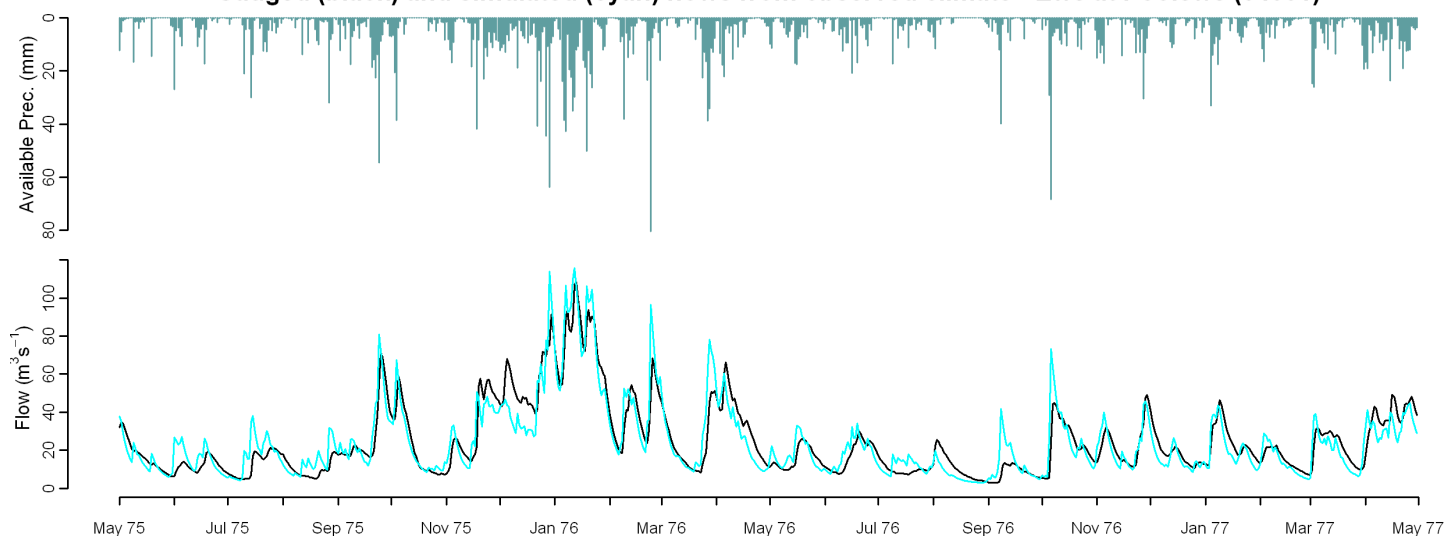
Observed Data

Comparison of gauged and simulated flow

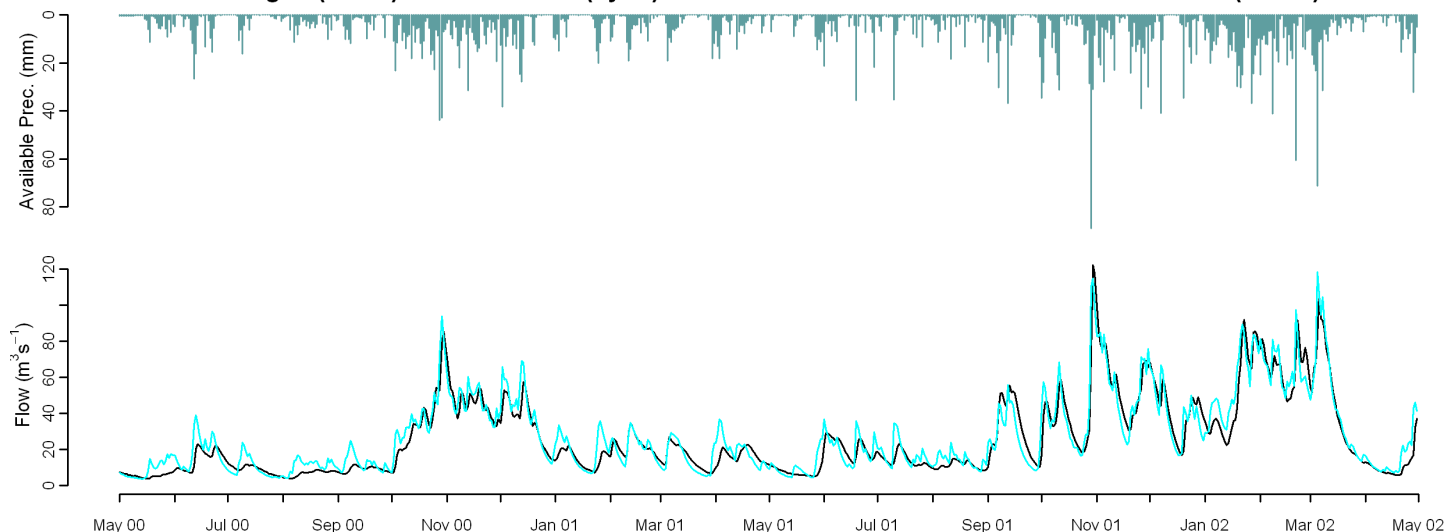
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	0.1	0.9	0.5	-2.2	-5.4	0.7	16.4	4.9	5.8	0.9	-1.1	0.2	-3.0	0.86
Performance Band	1	1	1	1	1	1	2	1	1	1	1	1	1	1
FAO (1962-1991)	0.2	0.3	2.2	1.4	-9.3	-1.2	17.7	8.4	2.2	-1.2	-1.0	2.6	-3.9	0.85
	Q90	Q75	Q50	Q25	Q5			RP2	RP5	RP10	RP20			
MORECS (1971-2005)	7.9	7.1	3.2	-2.9	-0.1			-2.3	-3.7	-3.2	-1.5			
Performance Band	1	1	1	1	1									
FAO (1962-1991)	8.8	6.4	2.6	-3.1	0.8			-1.8	-4.4	-3.7	-1.0			

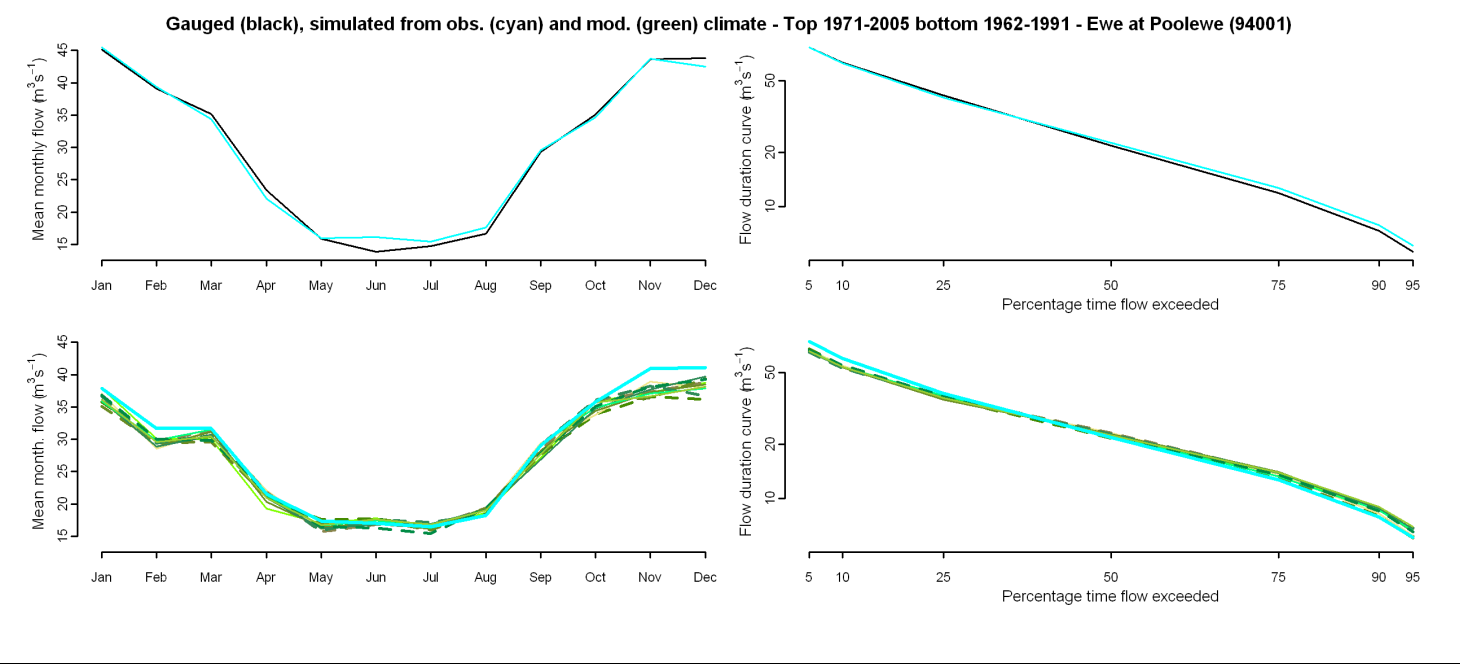
Gauged (black) and simulated (cyan) flows from observed climate - Ewe at Poolewe (94001)



Gauged (black) and simulated (cyan) flows from observed climate - Ewe at Poolewe (94001)



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

Climate change graphs for 2050s

