

## General Information

River Name	Kym	Catchment Area (km <sup>2</sup> )	138
Station Name	Meagre Farm	SAAR (mm) 61-90	585
Station Number	33012	Mean Annual Rain (mm) 62-91	589
Grid Reference	TL155631	Mean Annual PE (mm) 62-91	606
EA Region	EA-A	Observed flow record	1961 to 2005



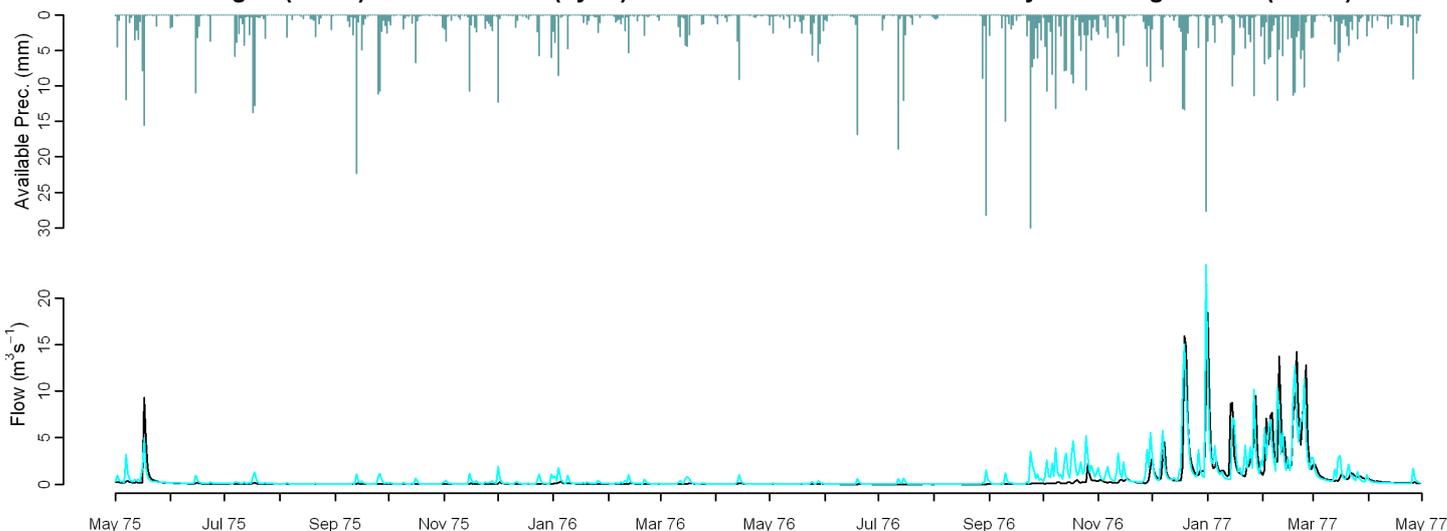
## Observed Data

## Comparison of gauged and simulated flow

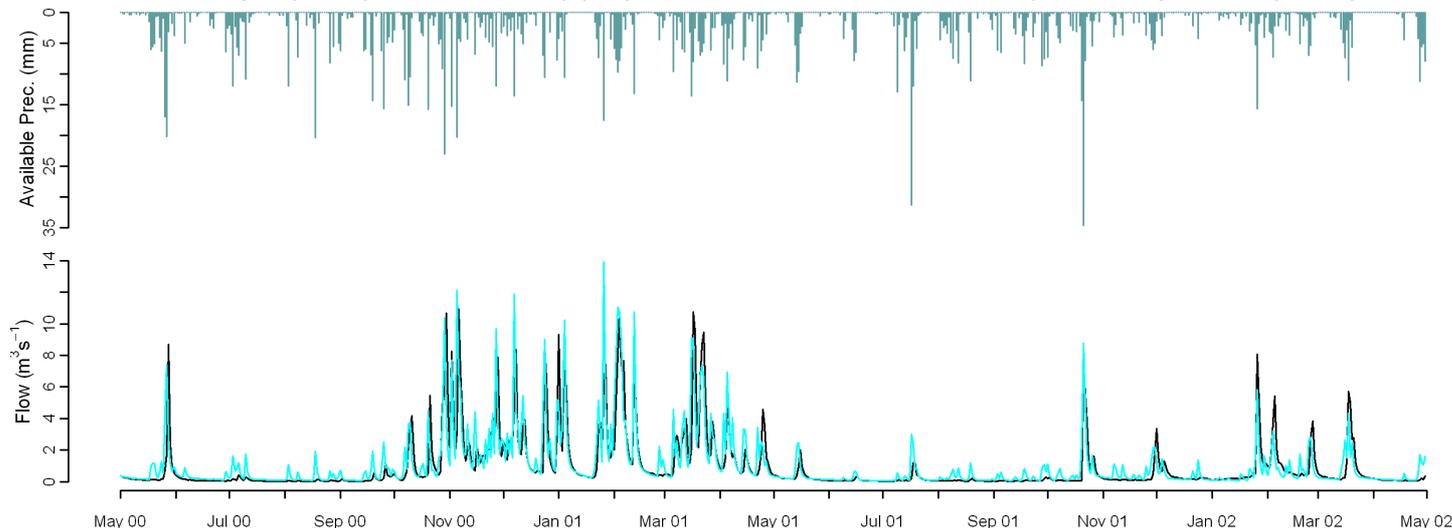
## Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	15.0	-5.6	-1.4	0.4	4.2	43.0	76.9	278	241	177	24.1	18.4	6.6	0.45
Performance Band	2	1	1	1	1	3	3	3	3	3	3	2	1	2
FAO (1962-1991)	11.2	-5.6	-6.4	-7.0	-6.7	29.7	67.9	98	172	345	27.3	32.6	9.3	0.42
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	121.5	129.2	98.8	53.6	1.9	-7.7	-5.3	-1.7	2.5					
Performance Band	3	3	3	3	1									
FAO (1962-1991)	139.1	138.8	84.9	41.0	0.7	-17.7	-13.0	-7.2	-0.9					

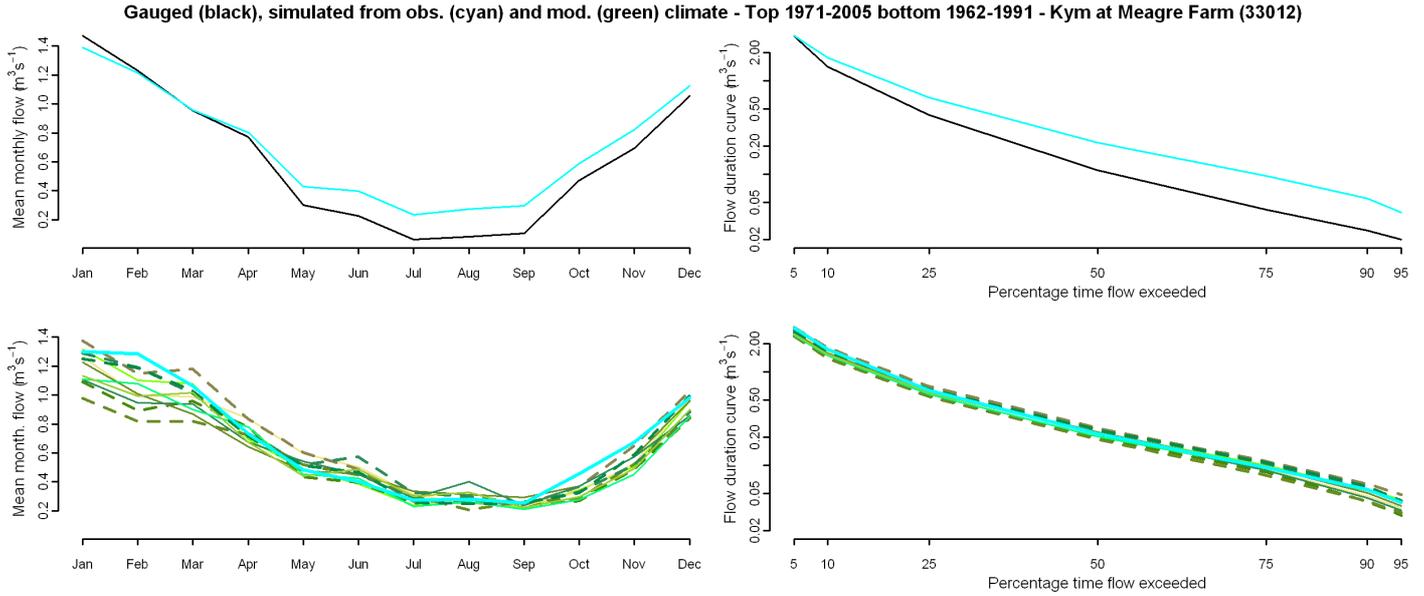
Gauged (black) and simulated (cyan) flows from observed climate - Kym at Meagre Farm (33012)



Gauged (black) and simulated (cyan) flows from observed climate - Kym at Meagre Farm (33012)



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	-7	-17	-3	5	-10	-19	-10	-2	-14	-5	-13
January	0	-18	3	10	-3	-21	-18	6	-8	-3	-10
April	-6	-11	15	12	-15	-7	-9	-1	8	-3	-7
July	-12	-4	11	-2	13	10	7	13	-15	-8	10
October	-25	-40	-27	-13	-26	-37	-18	-33	-37	-29	-13
Q90	1	-26	-15	15	-10	-27	-18	0	-3	10	-4
Q75	5	-11	-6	18	-4	-19	-6	8	-3	12	0
Q50	4	-8	3	16	-1	-14	0	10	-7	10	-1
Q25	0	-15	2	13	-6	-17	-6	3	-8	3	-8
Q5	-13	-20	-7	3	-14	-21	-14	-2	-15	-10	-16
RP2	-15	-21	-15	-12	-22	-23	-12	-13	-23	-13	-26
RP10	0	-8	-7	-1	-9	-10	8	-4	-24	-1	-16

Climate change graphs for 2050s

