

General Information

River Name	Thrushel	Catchment Area (km2)	113
Station Name	Tinhay	SAAR (mm) 61-90	1142
Station Number	47008	Mean Annual Rain (mm) 62-91	1153
Grid Reference	SX398856	Mean Annual PE (mm) 62-91	559
EA Region	EA-SW	Observed flow record	1969 to 2005



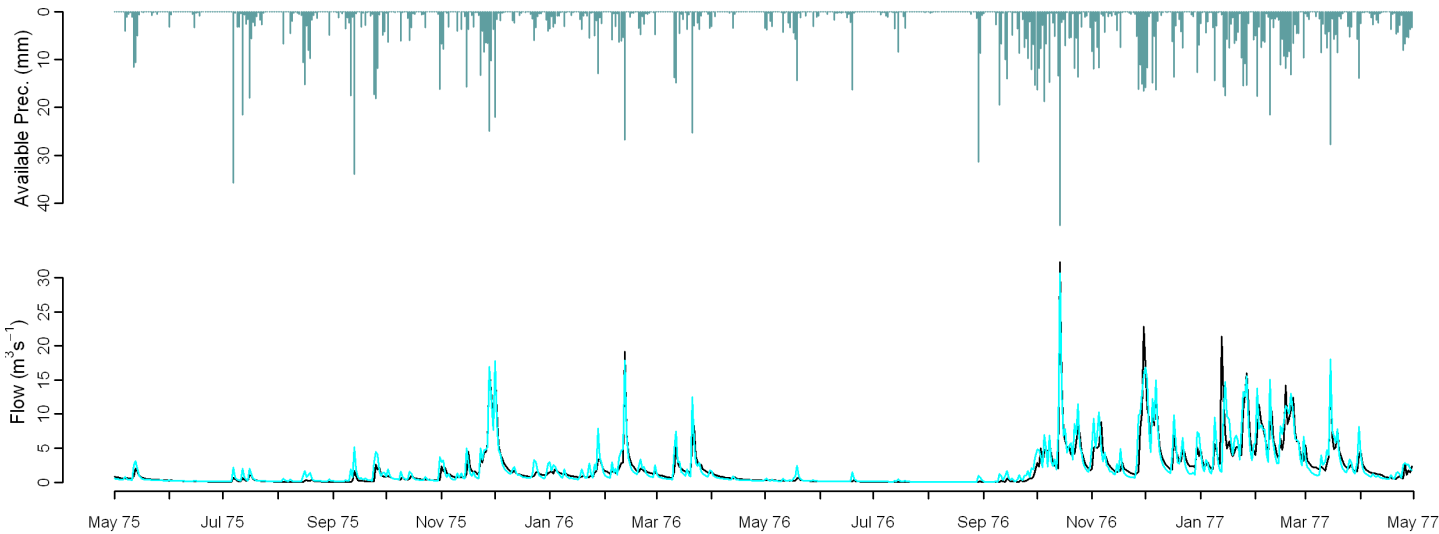
Observed Data

Comparison of gauged and simulated flow

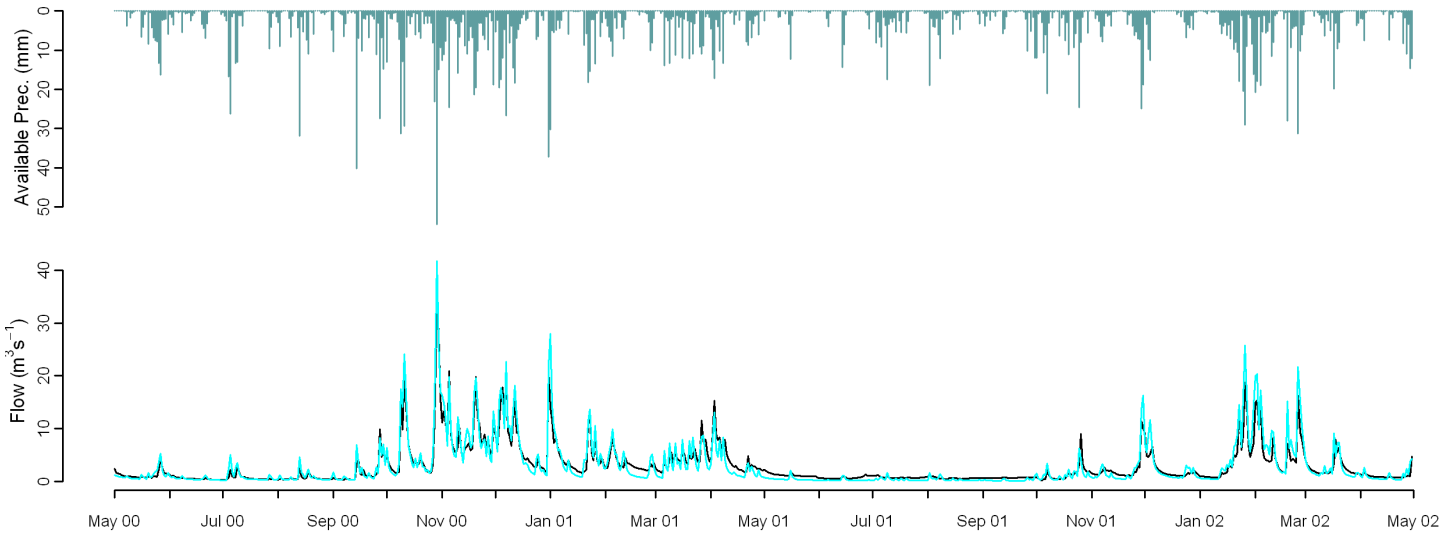
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	1.4	8.2	7.9	-2.5	-10.1	-15.4	-10.1	-12.3	-19.0	-5.8	-0.1	3.7	6.8	0.78
Performance Band	1	1	1	1	2	2	2	2	2	1	1	1	1	1
FAO (1962-1991)	4.2	6.1	5.5	-0.6	-8.9	-4.5	6.2	21.9	-0.6	12.7	7.4	4.7	6.8	0.79
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-18.0	-30.8	-22.4	-2.9	17.1	-1.6	-6.9	-9.7	-12.0					
Performance Band	1	2	2	1	2									
FAO (1962-1991)	33.8	5.3	-9.9	-0.6	12.1	-8.7	-12.1	-15.1	-18.3					

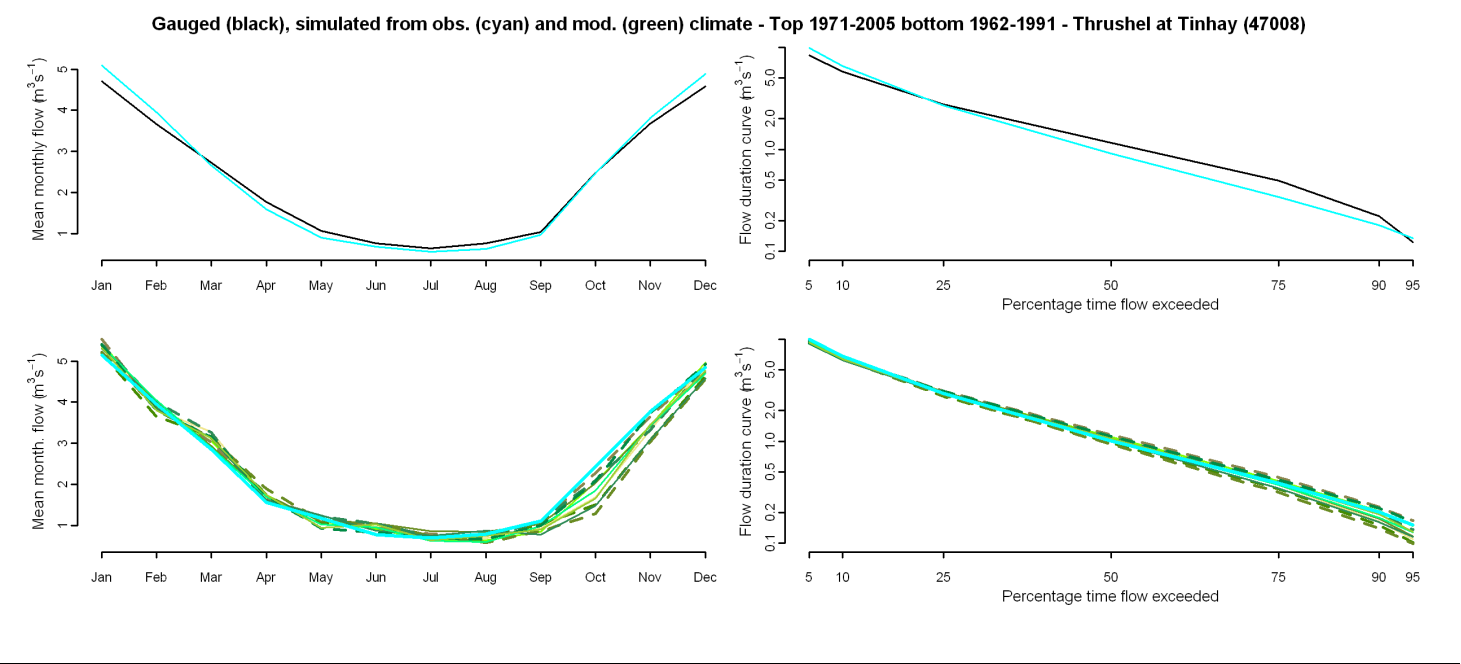
Gauged (black) and simulated (cyan) flows from observed climate - Thrushel at Tinhay (47008)



Gauged (black) and simulated (cyan) flows from observed climate - Thrushel at Tinhay (47008)



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	-6	-2	3	-2	-7	-5	1	-4	-3	-4
January	5	3	9	9	6	3	4	10	4	1	5
April	10	2	7	7	12	18	1	-1	9	4	13
July	-10	4	7	14	15	4	8	1	-6	-7	-9
October	-16	-38	-32	-3	-25	-47	-38	-20	-26	-16	-4
Q90	2	-27	-20	11	-18	-33	-19	-4	-12	4	-5
Q75	5	-13	-4	14	-8	-21	-11	2	-3	4	-1
Q50	9	-5	3	16	1	-9	0	7	0	7	3
Q25	2	-7	1	7	2	-5	-1	3	-1	3	-1
Q5	-7	-5	-4	-2	-1	-8	-9	-3	-7	-10	-8
RP2	-3	-6	-4	2	-3	-2	-1	-4	1	-1	0
RP10	-5	-2	0	0	-11	-4	0	-6	6	2	-4

Climate change graphs for 2050s

