

General Information

River Name	Don	Catchment Area (km ²)	1256
Station Name	Doncaster	SAAR (mm) 61-90	801
Station Number	27021	Mean Annual Rain (mm) 62-91	806
Grid Reference	SE570040	Mean Annual PE (mm) 62-91	570
EA Region	EA-NE	Observed flow record	1961 to 2005



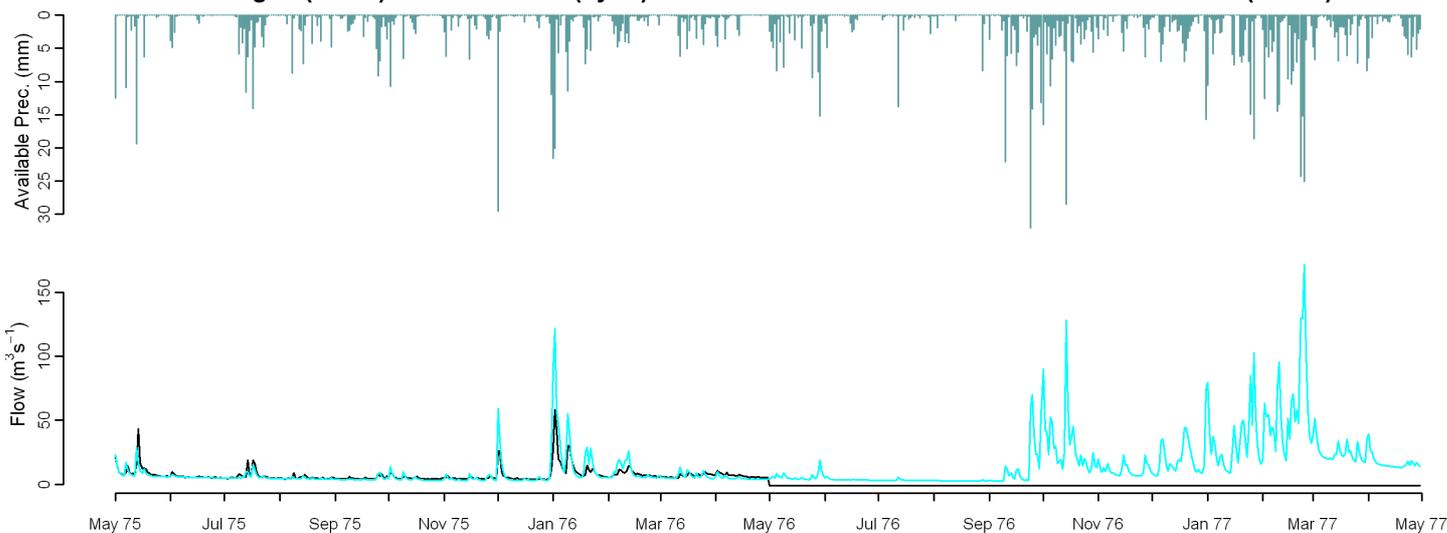
Observed Data

Comparison of gauged and simulated flow

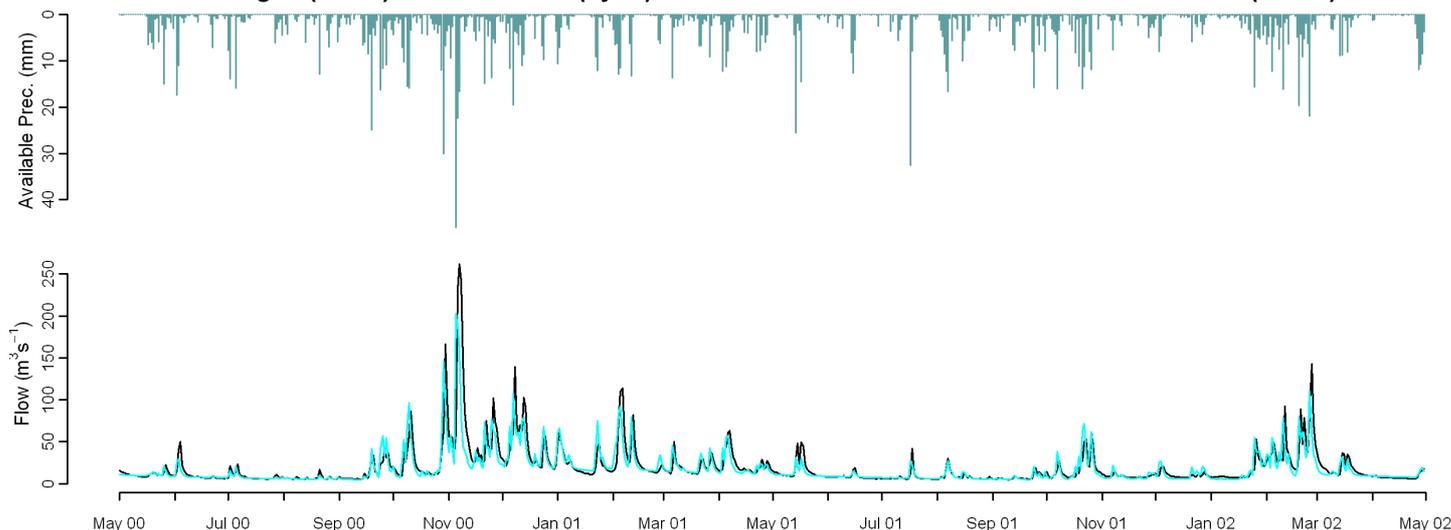
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-3.0	-1.5	-4.3	-7.7	-13.1	-9.8	-9.5	-6.7	-3.8	1.1	5.3	6.1	3.1	0.62
Performance Band	1	1	1	1	2	1	1	1	1	1	1	1	1	2
FAO (1962-1991)	-0.6	2.0	-4.3	-9.8	-12.3	-9.0	-6.7	-5.5	-1.6	2.2	10.6	18.4	9.0	0.60
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-12.2	-8.6	-5.1	-2.2	2.1	-7.3	-5.3	-2.5	1.2					
Performance Band	1	1	1	1	1									
FAO (1962-1991)	-14.8	-9.5	-3.9	-0.3	5.3	1.3	1.1	5.2	11.5					

Gauged (black) and simulated (cyan) flows from observed climate - Don at Doncaster (27021)

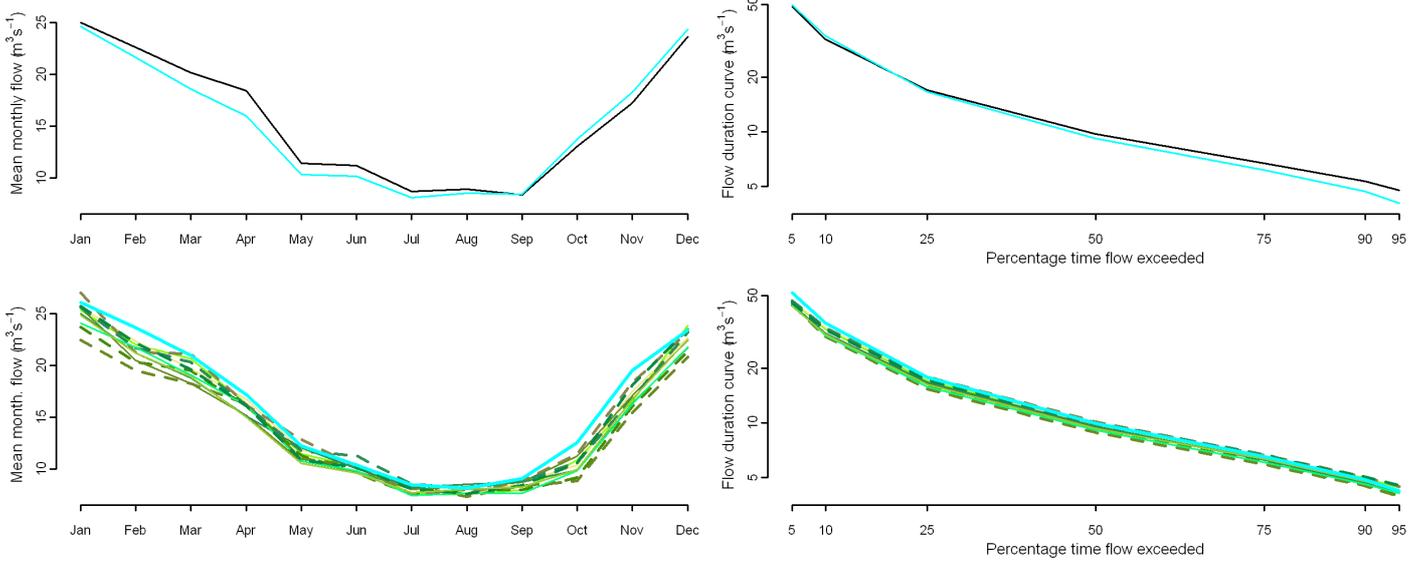


Gauged (black) and simulated (cyan) flows from observed climate - Don at Doncaster (27021)



Comparison of gauged and simulated flow (observed and modelled climate)

Gauged (black), simulated from obs. (cyan) and mod. (green) climate - Top 1971-2005 bottom 1962-1991 - Don at Doncaster (27021)



Percentage difference between flow simulated from observed climate and Future Flows Climate

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	-5	-11	-4	-1	-8	-12	-9	-4	-11	-5	-10
January	0	-10	3	6	1	-10	-4	3	-6	-1	-3
April	-5	-14	1	-4	-14	-7	-15	-7	-8	-7	-13
July	-10	-7	-2	-9	-6	-4	-4	-2	-15	-6	-10
October	-14	-27	-17	-4	-14	-28	-19	-16	-26	-16	-10
Q90	3	-7	-1	5	-5	-8	-5	-1	-6	3	-3
Q75	0	-6	-2	3	-4	-9	-5	3	-7	1	-4
Q50	-2	-8	-2	4	-6	-11	-4	1	-9	-1	-6
Q25	-4	-13	0	3	-8	-13	-7	-2	-12	-3	-10
Q5	-10	-15	-9	-9	-14	-14	-15	-8	-15	-12	-17
RP2	-11	-6	-8	-5	1	-2	-3	-2	-2	-3	-6
RP10	-9	1	-17	-1	4	-6	-8	-12	6	-9	-6

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Don at Doncaster (27021)

