

General Information

River Name	Mimram	Catchment Area (km ²)	134
Station Name	Panshanger Park	SAAR (mm) 61-90	657
Station Number	38003	Mean Annual Rain (mm) 62-91	658
Grid Reference	TL282133	Mean Annual PE (mm) 62-91	611
EA Region	EA-SE	Observed flow record	1961 to 2005



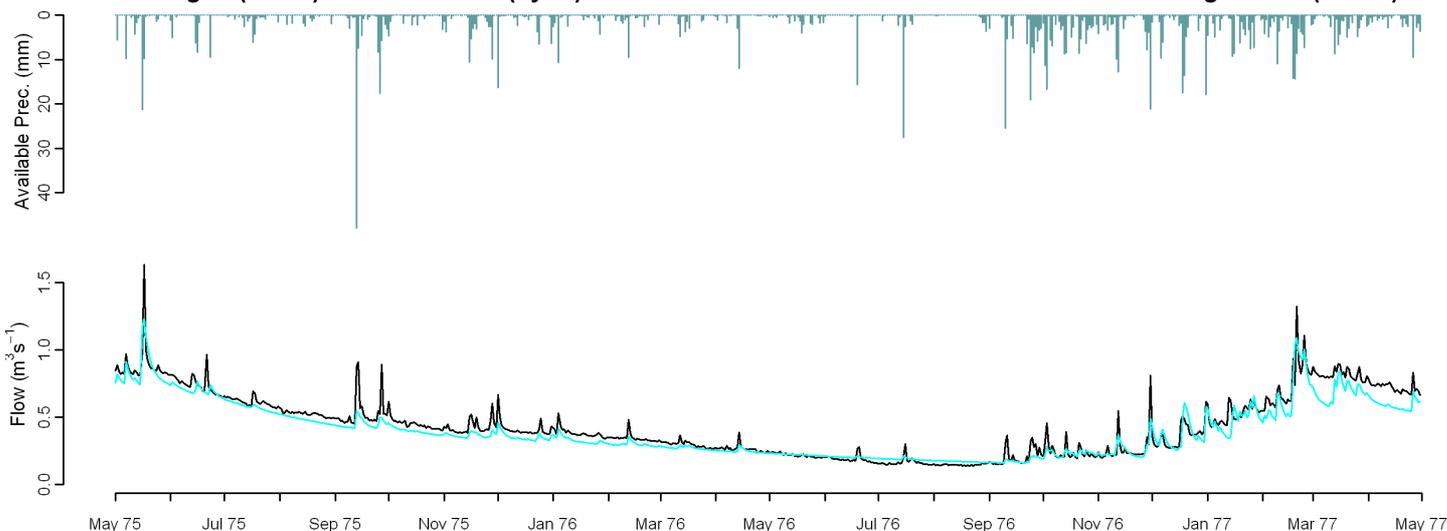
Observed Data

Comparison of gauged and simulated flow

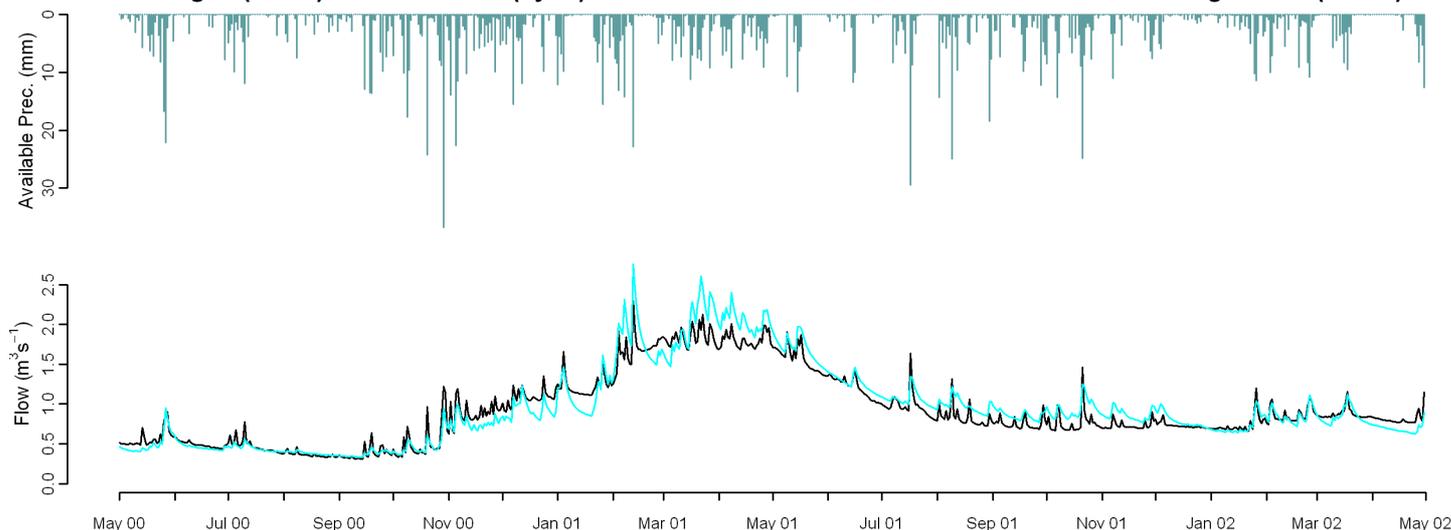
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-17.2	-18.6	-19.8	-20.5	-19.4	-19.0	-16.4	-13.2	-9.8	-10.3	-10.1	-13.4	-17.8	0.72
Performance Band	2	2	2	2	2	2	2	2	1	2	2	2	2	1
FAO (1962-1991)	-15.0	-12.8	-15.9	-17.4	-19.8	-17.8	-14.4	-10.6	-8.4	-7.4	-6.2	-8.1	-14.9	0.55
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-5.8	-13.7	-20.2	-22.1	-15.6	-21.9	-18.7	-15.4	-9.8					
Performance Band	1	1	2	2	2									
FAO (1962-1991)	-8.4	-16.9	-18.4	-15.7	-7.8	-15.1	-17.2	-17.6	-17.1					

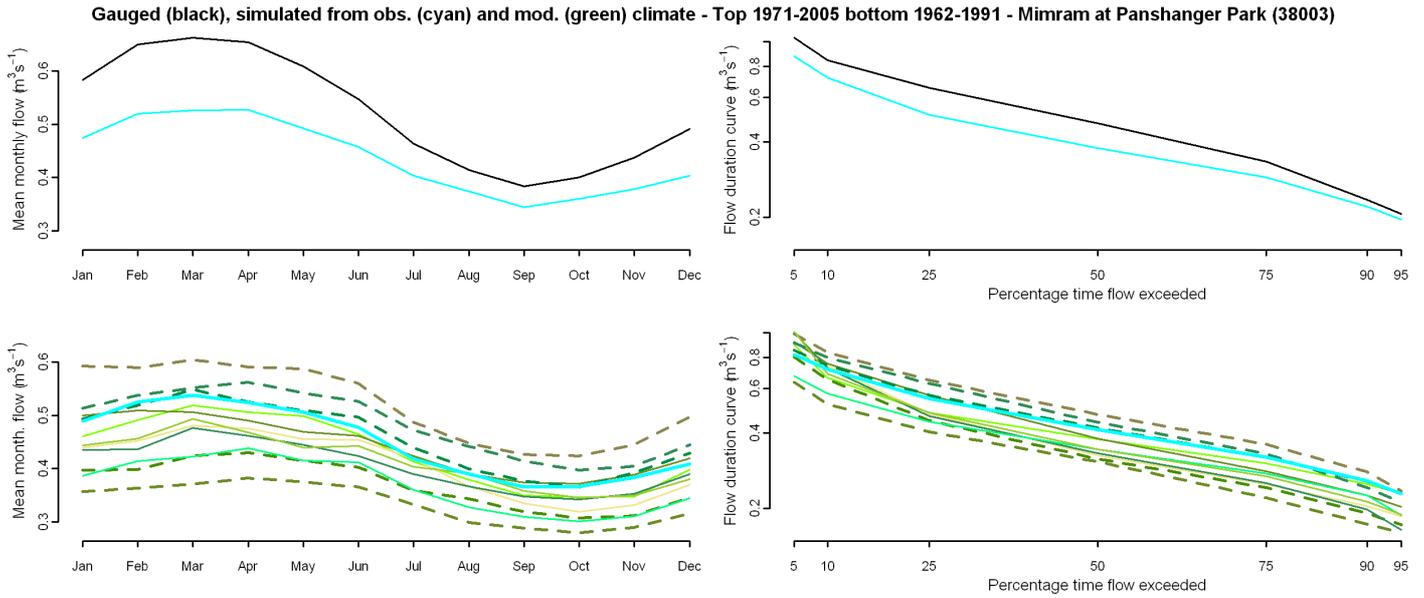
Gauged (black) and simulated (cyan) flows from observed climate - Mimram at Panshanger Park (38003)



Gauged (black) and simulated (cyan) flows from observed climate - Mimram at Panshanger Park (38003)



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	-18	-6	19	-4	-26	-10	8	-17	4	-9
January	-6	-18	-7	22	3	-25	-10	8	-18	3	-7
April	-4	-20	-5	16	-7	-27	-12	9	-15	3	-11
July	-2	-16	5	20	-2	-23	-8	13	-14	7	-6
October	-5	-18	-10	19	-6	-26	-7	7	-18	1	-9
Q90	-3	-24	-18	9	-12	-32	-22	-6	-13	0	-16
Q75	-6	-24	-19	14	-12	-31	-21	3	-14	2	-17
Q50	-9	-24	-19	19	-9	-27	-20	8	-15	4	-18
Q25	-13	-21	-10	21	-1	-27	-15	16	-18	6	-15
Q5	9	-3	27	25	6	-23	22	11	-18	6	23
RP2	-2	-7	7	19	-2	-30	3	9	-17	11	2
RP10	29	10	34	29	12	-13	37	2	-19	12	32

Climate change graphs for 2050s

