

General Information

River Name	Dudwell	Catchment Area (km2)	28
Station Name	Burwash	SAAR (mm) 61-90	890
Station Number	40017	Mean Annual Rain (mm) 62-91	901
Grid Reference	TQ679240	Mean Annual PE (mm) 62-91	516
EA Region	EA-SE	Observed flow record	1971 to 2005



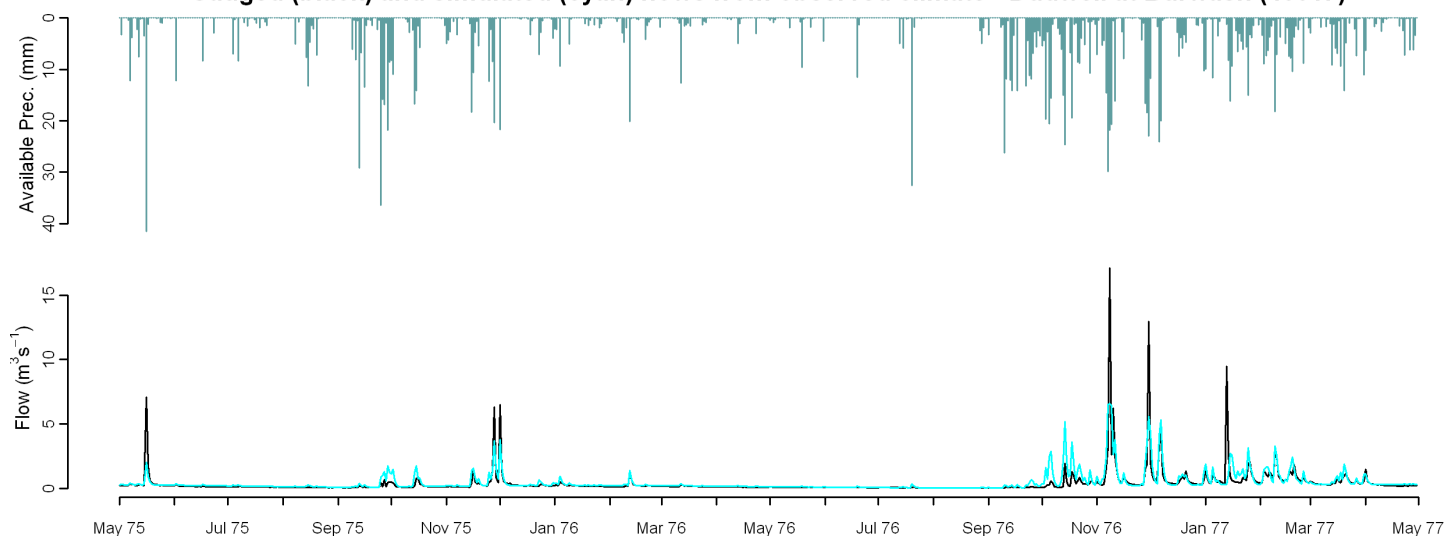
Observed Data

Comparison of gauged and simulated flow

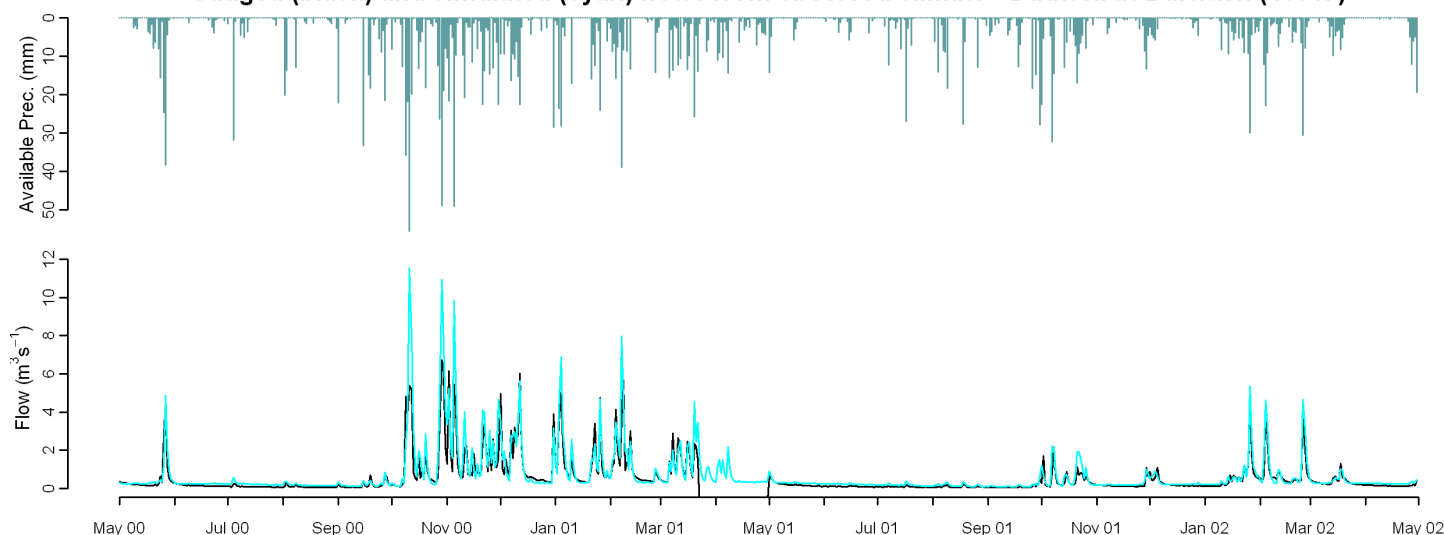
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	31.6	23.0	10.1	9.7	11.7	24.2	38.2	49.2	76.0	76.3	63.6	39.2	30.4	0.54
Performance Band	3	2	1	2	2	2	3	3	3	3	3	3	2	2
MORECS (1962-1991)	32.9	24.5	6.1	8.3	12.0	21.4	27.5	35.5	66.8	87.4	90.8	29.3	31.3	0.49
	Q90	Q75	Q50	Q25	Q5									
MORECS (1971-2005)	71.9	95.1	57.1	0.8	35.3									
Performance Band	1	1	2	3	3									
MORECS (1962-1991)	68.3	88.2	56.8	0.6	36.0									

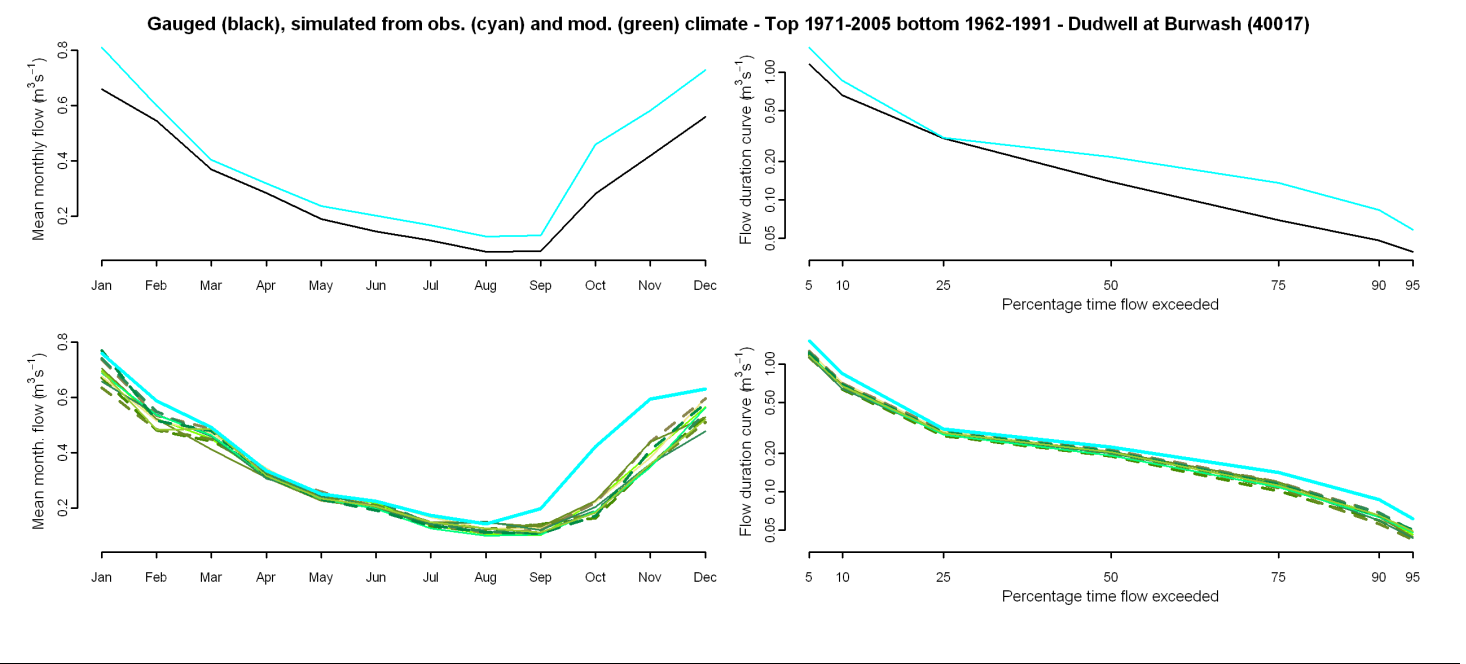
Gauged (black) and simulated (cyan) flows from observed climate - Dudwell at Burwash (40017)



Gauged (black) and simulated (cyan) flows from observed climate - Dudwell at Burwash (40017)



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	-16	-19	-16	-13	-17	-21	-19	-15	-20	-15	-18
January	-8	-14	-8	-6	-6	-14	-15	0	-10	8	-8
April	-5	-3	6	0	-6	-4	-4	-1	-3	-6	-1
July	-19	-20	-1	-15	-18	-14	-16	-15	-23	-21	-14
October	-45	-60	-47	-43	-54	-57	-50	-51	-50	-59	-56
Q90	-25	-32	-25	-19	-30	-36	-30	-20	-27	-26	-26
Q75	-18	-28	-20	-15	-20	-25	-19	-18	-24	-20	-22
Q50	-9	-14	-8	-4	-10	-13	-11	-6	-14	-8	-10
Q25	-4	-11	-4	-1	-7	-9	-7	-4	-8	-5	-7
Q5	-22	-22	-18	-16	-22	-27	-24	-16	-20	-18	-22
RP2	-18	-13	-14	-11	-14	-14	-18	-17	-19	-6	-18
RP10	-15	-2	-12	-7	-12	-3	-22	-10	-18	3	-4

Climate change graphs for 2050s

