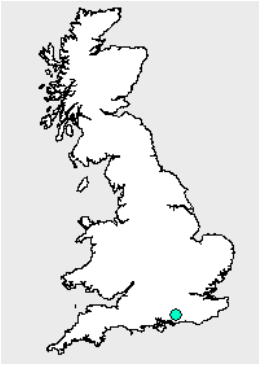


General Information

River Name	Lod	Catchment Area (km2)	52
Station Name	Halfway Bridge	SAAR (mm) 61-90	857
Station Number	41022	Mean Annual Rain (mm) 62-91	858
Grid Reference	SU931223	Mean Annual PE (mm) 62-91	570
EA Region	EA-SE	Observed flow record	1970 to 2005



Observed Data

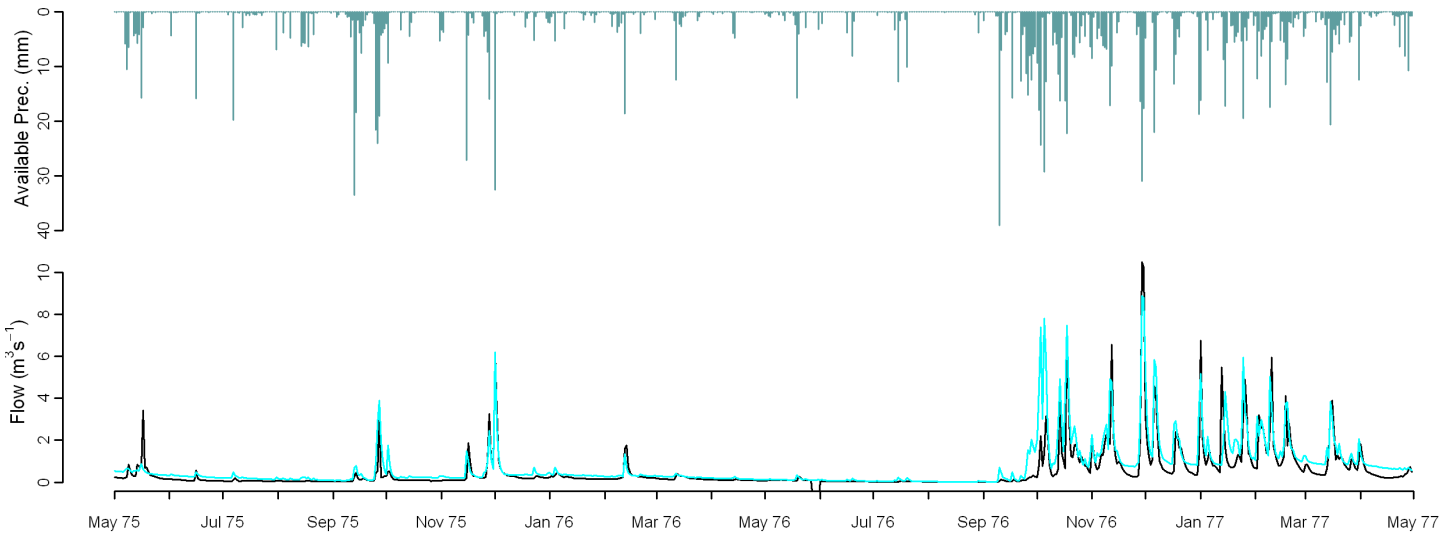
Comparison of gauged and simulated flow

Model used: CERF

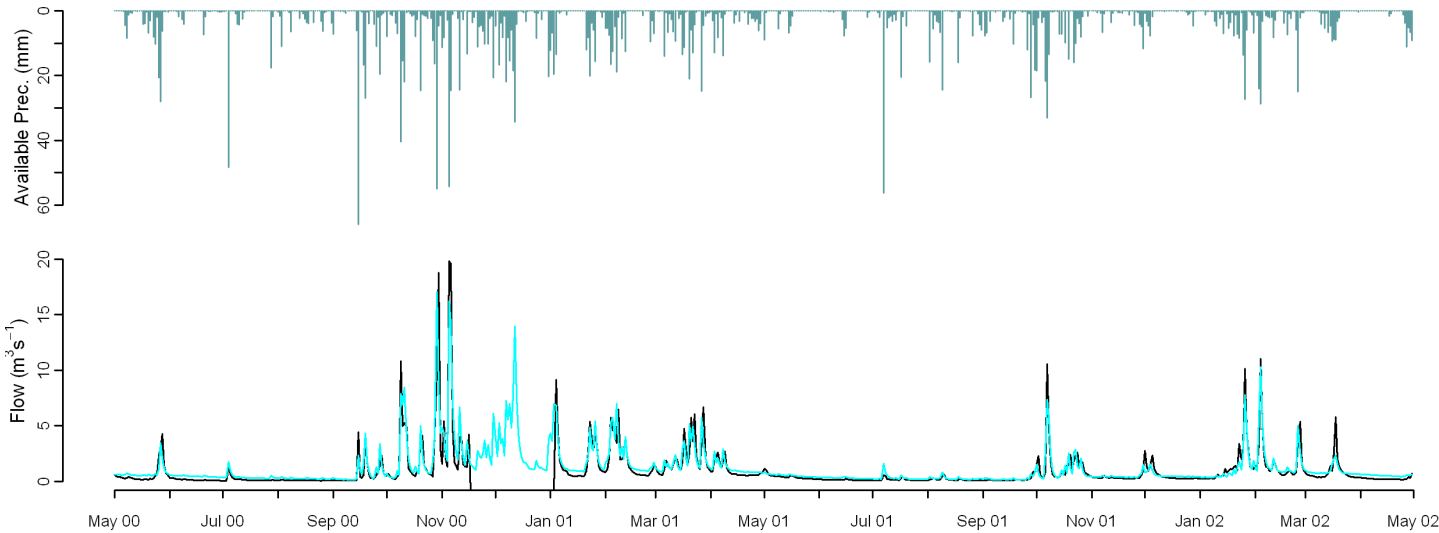
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	16.5	12.3	18.8	7.1	2.9	25.5	45.3	111.1	78.1	39.2	20.5	17.7	11.6	0.70
Performance Band	2	2	2	1	1	2	3	3	3	3	1	1	2	1
MORECS (1962-1991)	17.5	14.4	21.9	4.7	11.8	21.4	34.9	122.0	76.1	43.2	31.1	11.9	17.4	0.67

	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20
MORECS (1971-2005)	91.2	100.7	73.3	28.1	10.0				
Performance Band	1	1	1	1	1				
MORECS (1962-1991)	97.5	107.1	73.9	30.4	11.0				

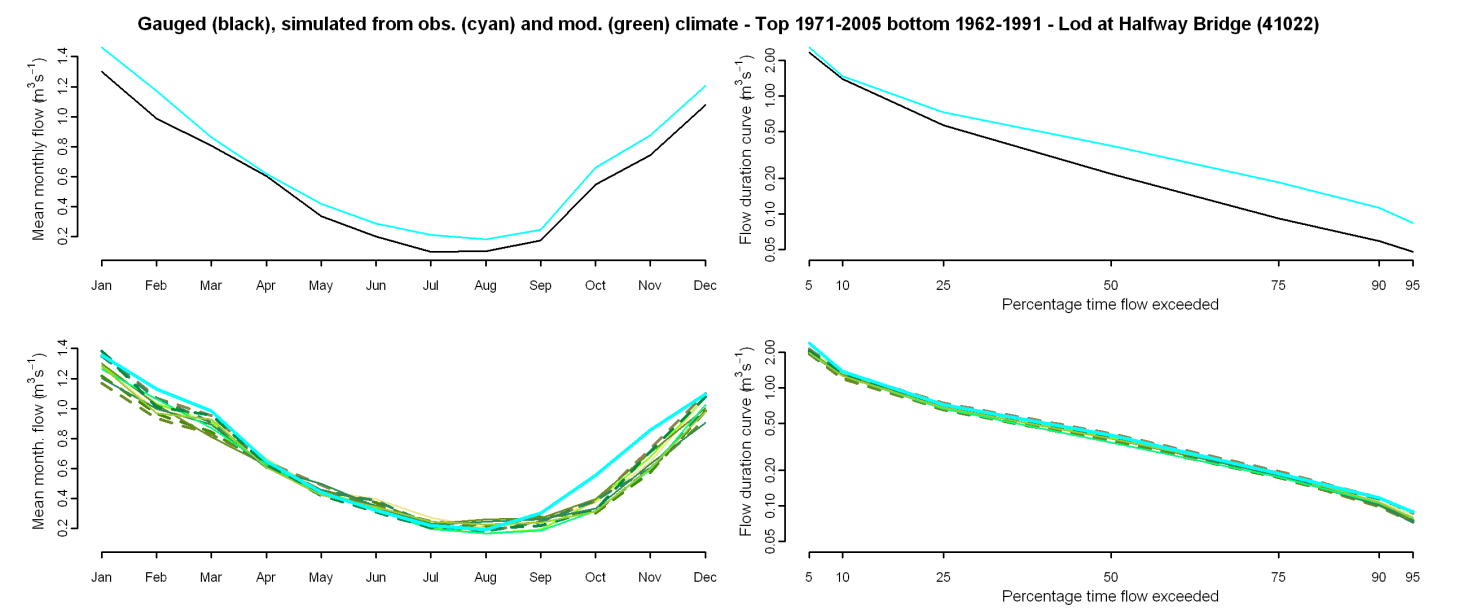
Gauged (black) and simulated (cyan) flows from observed climate - Lod at Halfway Bridge (41022)



Gauged (black) and simulated (cyan) flows from observed climate - Lod at Halfway Bridge (41022)



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	-12	-7	-3	-8	-13	-11	-6	-12	-6	-10
January	-5	-13	-3	3	-4	-13	-13	2	-7	7	-4
April	-3	-7	8	3	-3	-2	-2	3	1	-4	-4
July	-4	2	29	2	1	14	4	6	-6	-6	10
October	-29	-44	-34	-24	-36	-44	-39	-33	-41	-41	-42
Q90	-15	-15	-9	1	-15	-18	-13	-12	-11	-3	-9
Q75	-2	-8	-1	5	-2	-8	-3	1	-8	-3	0
Q50	-5	-12	-1	5	-2	-10	-6	0	-13	-5	-8
Q25	-3	-11	-3	5	-5	-11	-5	0	-6	-2	-6
Q5	-15	-16	-12	-9	-15	-20	-17	-10	-15	-13	-17
RP2	-9	-8	-7	-6	-4	-4	-12	-7	-10	8	-2
RP10	-7	-8	-9	-13	-12	7	-16	-24	-18	3	-3

Climate change graphs for 2050s

