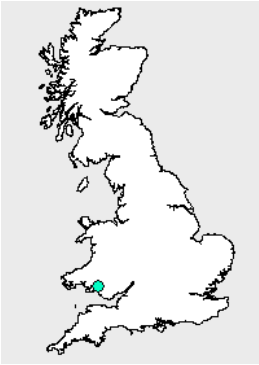


General Information

River Name	Dulais	Catchment Area (km2)	43
Station Name	Cilfrew	SAAR (mm) 61-90	1808
Station Number	58008	Mean Annual Rain (mm) 62-91	1814
Grid Reference	SN778008	Mean Annual PE (mm) 62-91	572
EA Region	EA-W	Observed flow record	1971 to 2005



Observed Data

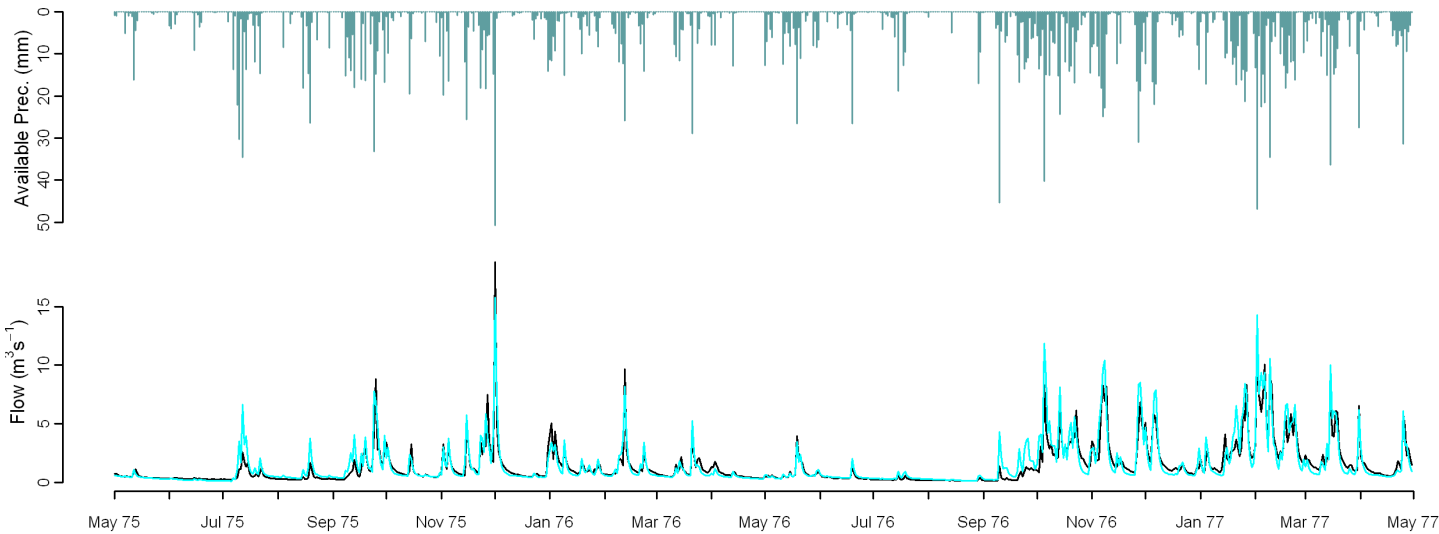
Comparison of gauged and simulated flow

Model used: CERF

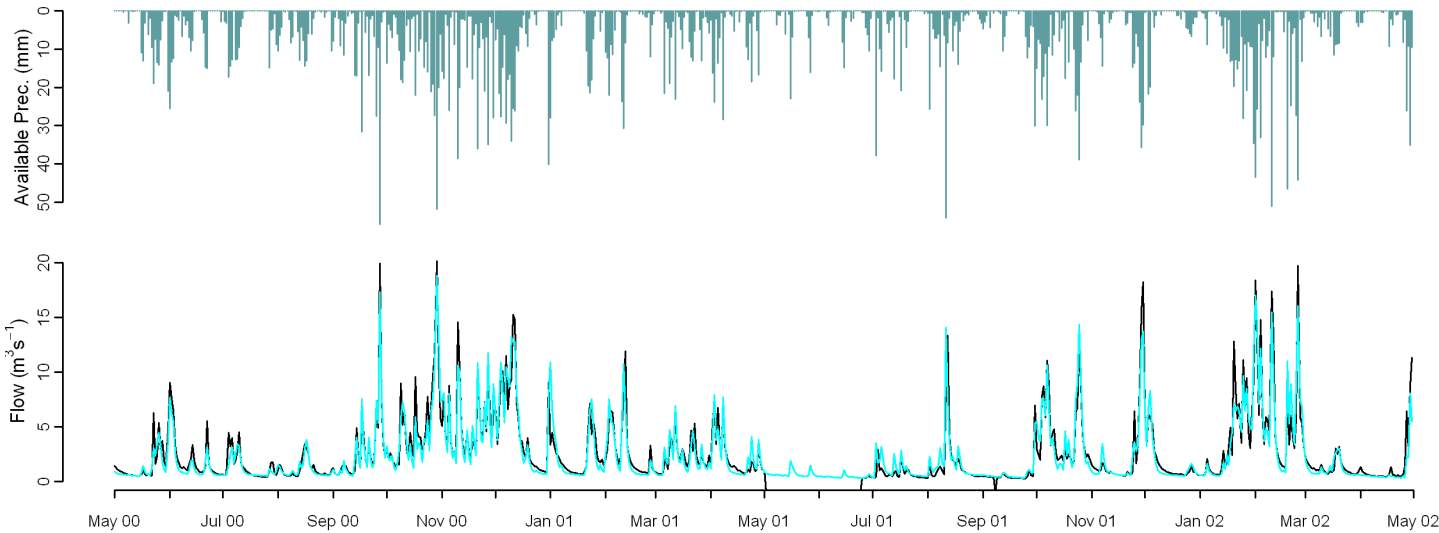
	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	0.6	-1.2	-4.9	-7.6	-10.5	-10.9	-2.8	5.9	18.1	17.0	8.5	1.5	1.5	0.85
Performance Band	1	1	2	1	2	2	1	1	2	2	1	1	1	1
MORECS (1962-1991)	3.1	0.8	-2.5	-6.2	-11.9	-11.2	1.4	9.1	19.8	24.7	11.6	5.7	2.9	0.83

	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20
MORECS (1971-2005)	13.3	0.6	-21.6	-2.2	9.6				
Performance Band	1	1	1	1	1				
MORECS (1962-1991)	9.3	0.4	-23.7	-0.7	15.2				

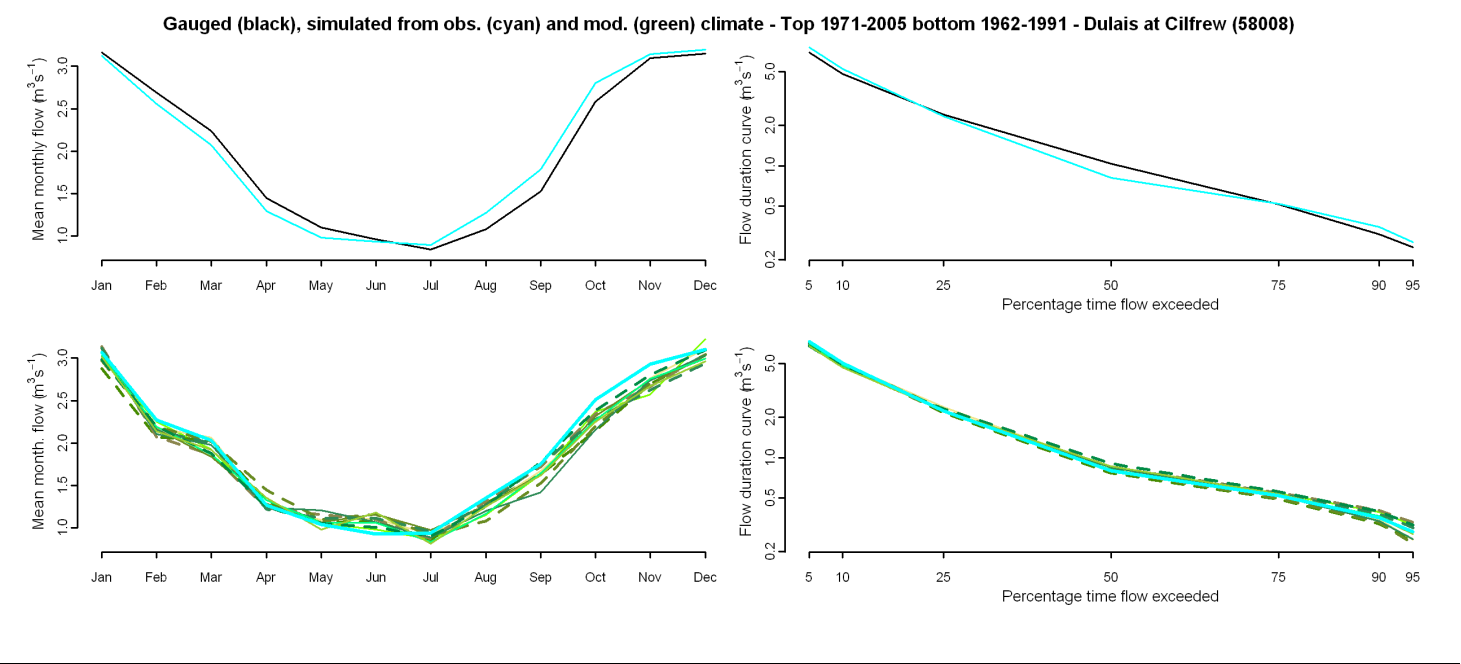
Gauged (black) and simulated (cyan) flows from observed climate - Dulais at Cilfrew (58008)



Gauged (black) and simulated (cyan) flows from observed climate - Dulais at Cilfrew (58008)



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	-2	-3	-1	-1	-3	-1	-4	-1	-3	-2	-3
January	-1	-6	4	1	0	0	-1	3	-2	-5	2
April	-1	1	0	3	2	14	2	-1	0	-1	6
July	-8	-2	4	-3	-4	1	-6	6	-10	-9	-14
October	-6	-6	-12	-4	-11	-8	-7	-9	-7	-3	-9
Q90	9	-12	-3	16	-5	-10	-7	7	1	8	1
Q75	3	-6	0	6	-4	-6	-1	3	-1	5	2
Q50	7	-4	4	10	-2	-1	6	6	1	11	7
Q25	1	-3	6	2	-2	3	2	3	-2	2	0
Q5	-7	0	-5	-4	-1	0	-6	-1	-5	-8	-6
RP2	-3	-2	-3	1	-5	-9	-2	-8	3	-3	-1
RP10	-8	-12	-11	-10	-13	-18	-11	-15	-2	-13	-11

Climate change graphs for 2050s

