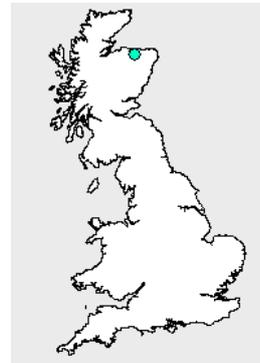


General Information

River Name	Isla	Catchment Area (km ²)	176
Station Name	Grange	SAAR (mm) 61-90	900
Station Number	9003	Mean Annual Rain (mm) 62-91	906
Grid Reference	NJ494506	Mean Annual PE (mm) 62-91	561
EA Region	SEPA-NW	Observed flow record	1969 to 2005



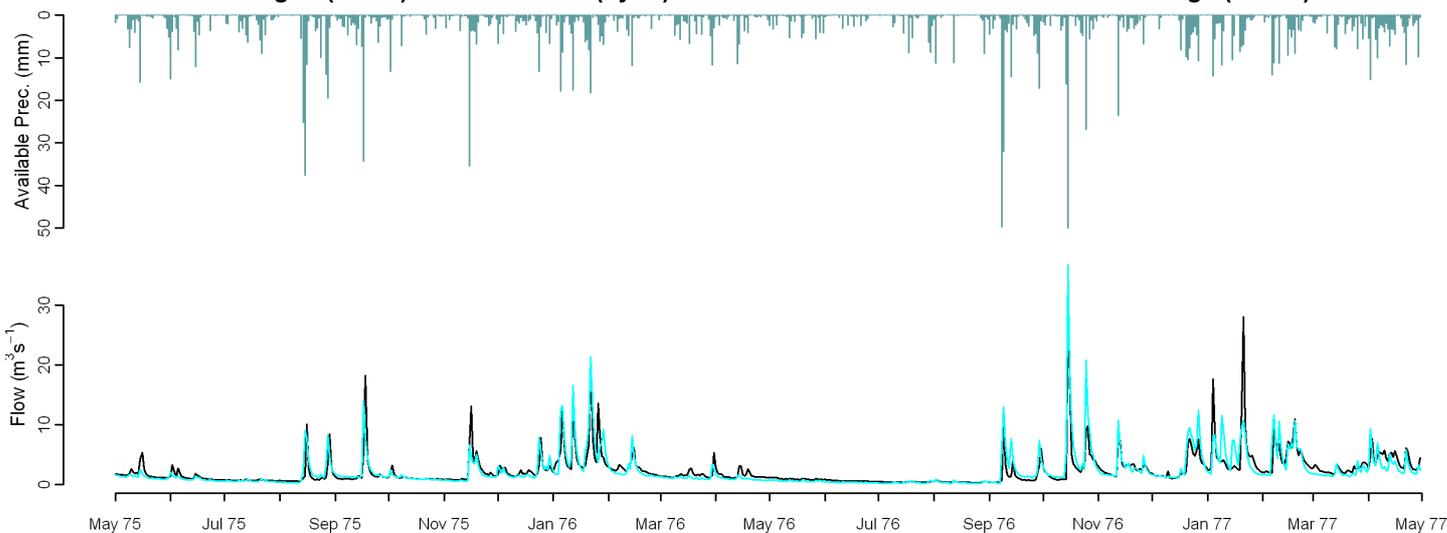
Observed Data

Comparison of gauged and simulated flow

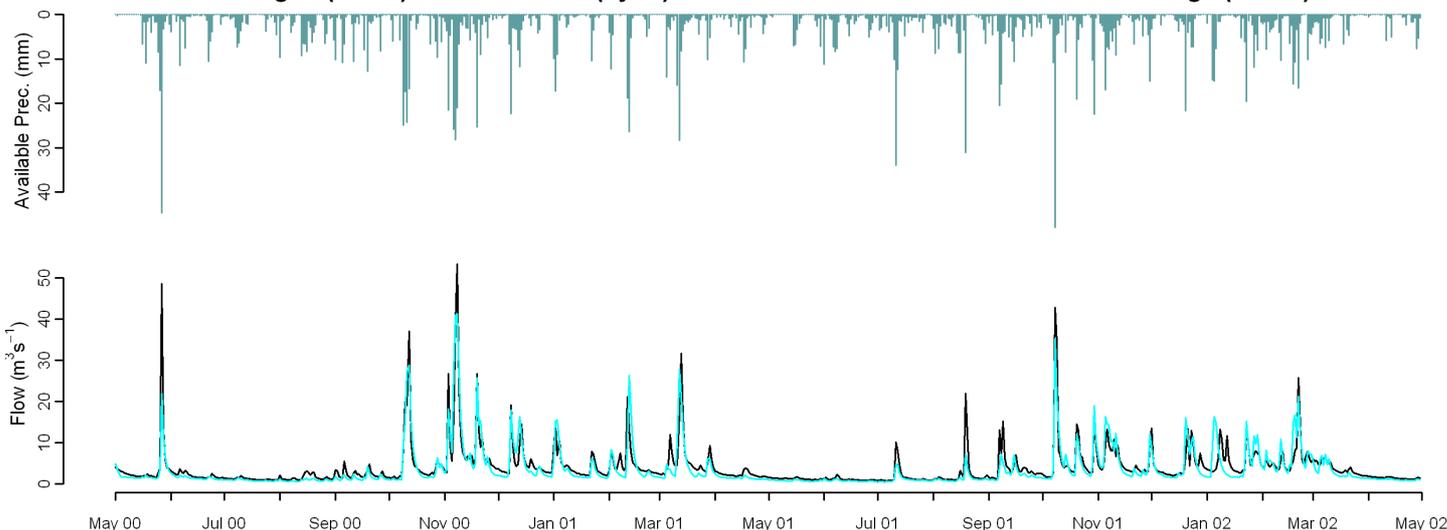
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-9.7	-4.0	-2.0	-14.5	-16.7	-29.1	-28.1	-22.9	-21.1	-10.3	-5.0	0.1	-0.6	0.66
Performance Band	2	1	1	2	2	2	3	2	2	1	2	1	1	1
MORECS (1962-1991)	-10.7	-7.4	-0.9	-12.7	-17.3	-28.4	-29.1	-21.2	-13.3	-18.5	-14.1	2.9	-1.1	0.58
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	-26.0	-21.5	-21.3	-19.5	9.2									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-24.1	-21.3	-20.7	-19.4	12.8									

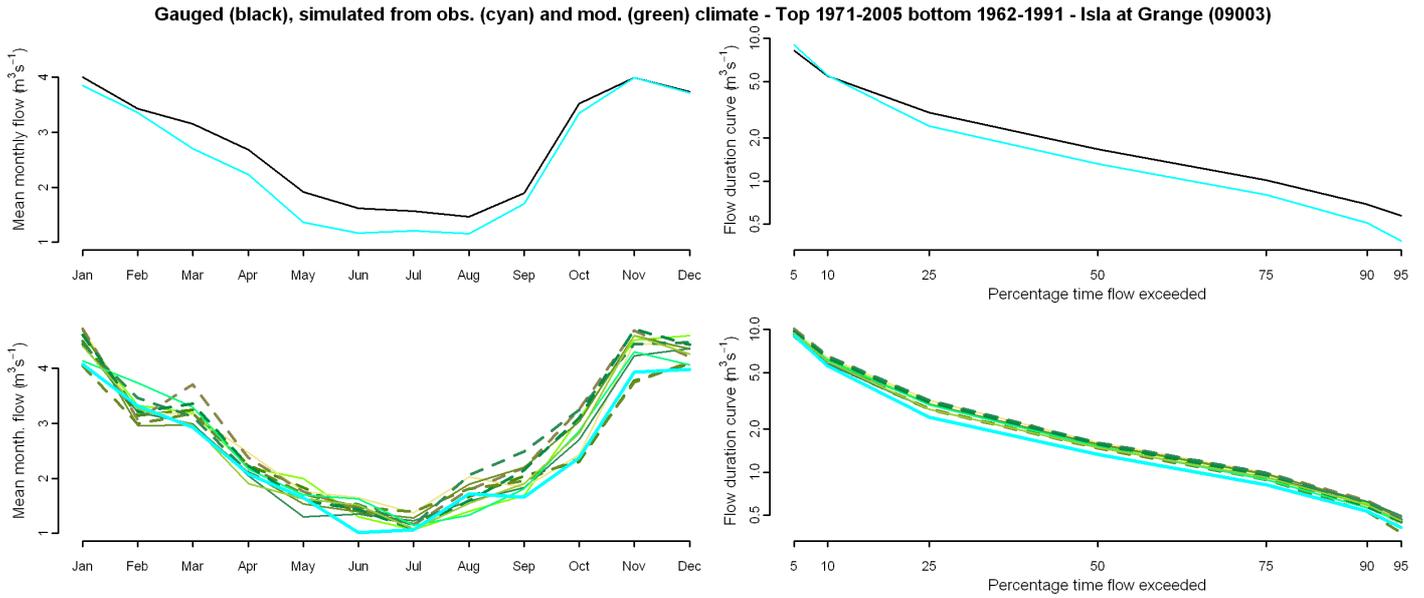
Gauged (black) and simulated (cyan) flows from observed climate - Isla at Grange (09003)



Gauged (black) and simulated (cyan) flows from observed climate - Isla at Grange (09003)



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	13	11	18	19	10	6	8	16	9	16	10
January	14	9	17	15	13	2	9	6	-1	14	8
April	6	10	18	15	1	5	-3	9	3	6	-7
July	2	10	37	10	19	11	18	8	6	1	3
October	32	3	5	52	25	1	16	28	22	32	32
Q90	13	9	8	22	11	-2	13	12	3	4	12
Q75	17	13	23	23	14	7	11	18	6	12	13
Q50	16	12	22	20	15	9	11	19	12	16	11
Q25	24	16	31	29	19	13	15	29	19	26	14
Q5	7	2	3	12	0	-2	-1	5	2	7	4
RP2	-4	-1	0	9	16	11	2	1	-4	0	7
RP10	-10	-4	-1	-12	17	4	6	-2	-7	-2	2

Climate change graphs for 2050s

