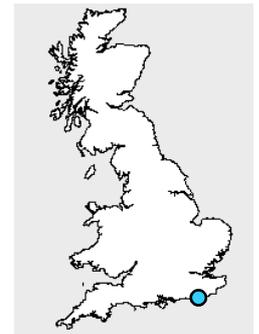


### General Information

Borehole Name	West Dean	Grid Reference	TV 52999925
Borehole ID	TV59/7C	Mean Annual Rainfall (mm)	823
Principal Aquifer	Chalk Group	Period of observed level data	1961 - 1969
EA Region	Southern		



### Observed Data

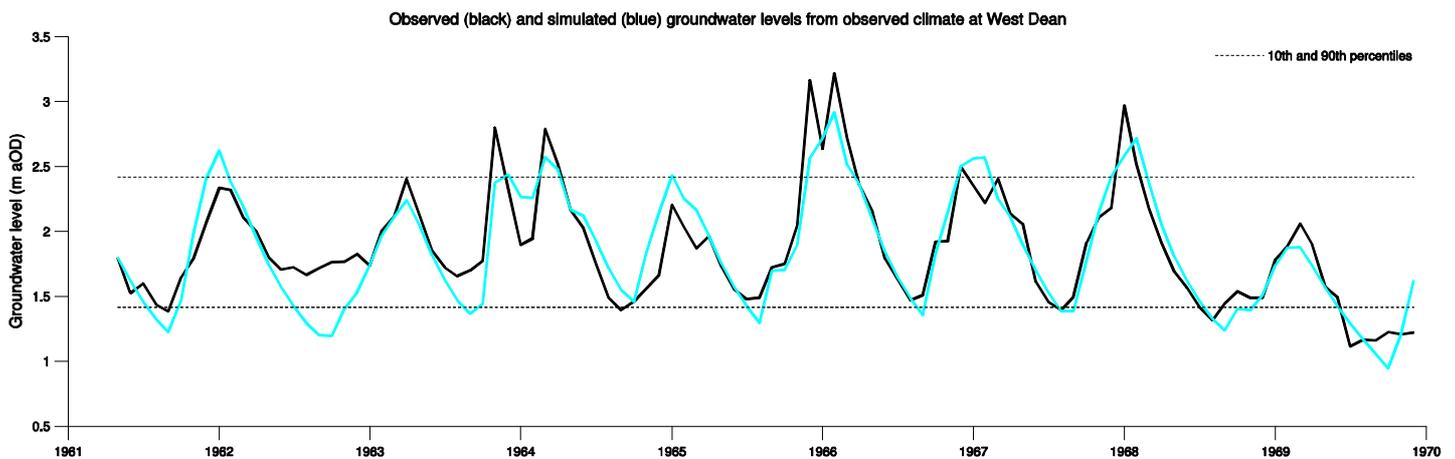
### Comparison of observed and simulated levels (m)

### Model used: R-Groundwater

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	NSE	RMSE
1961 - 1969	-0.02	0.10	0.10	-0.02	-0.04	-0.03	0.02	-0.01	-0.07	-0.16	-0.20	-0.03	0.08	0.77	0.21
Performance	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

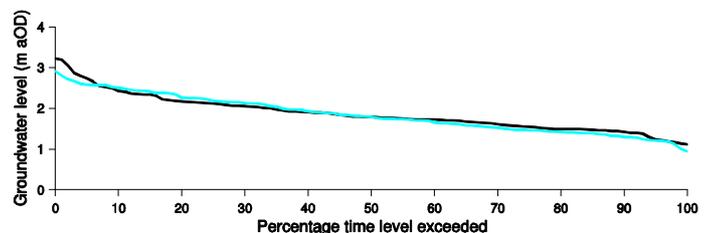
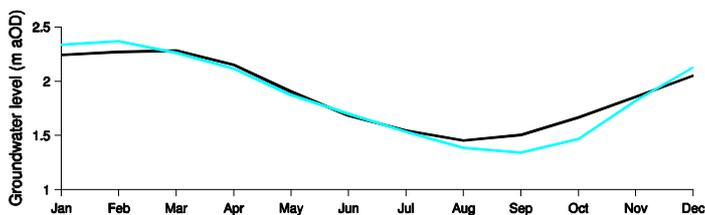
  

	L90	L75	L50	L25	L10		%
1961 - 1969	-0.12	-0.09	0.00	0.07	0.09	Error (sim-obs) in range (max-min)	-6.29
Performance	1	1	1	1	1	Performance	1

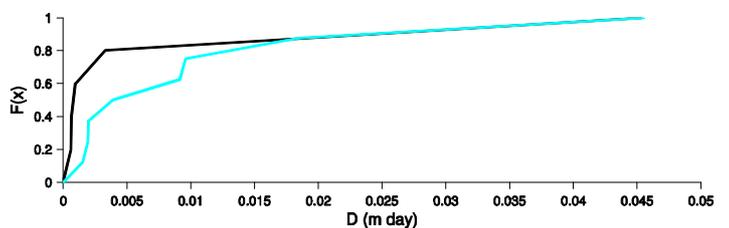
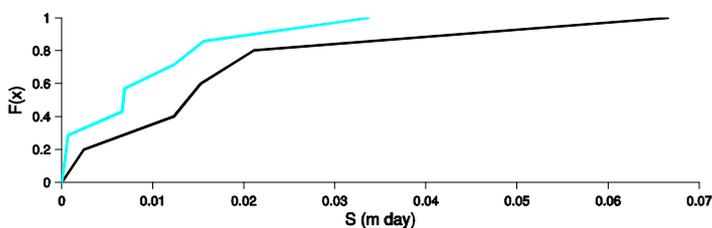


### Comparison of observed and simulated levels (observed climate)

Statistics from observed (black) and simulated (blue) groundwater levels from observed climate at West Dean

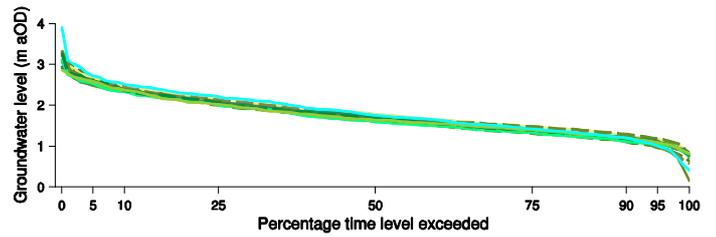
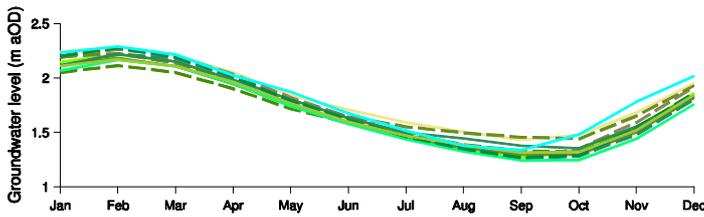


Surplus (S) and Deficit (D) distributions from observed (black) and simulated (blue) groundwater levels from observed climate at West Dean



### Difference (m) between levels simulated from observed climate and Future Flows Climate

Comparison of groundwater levels simulated using observed climate (blue) and Future Flows Climate (green)



(m)	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	-0.09	-0.12	0.02	-0.05	-0.11	-0.02	-0.07	-0.10	-0.14	-0.07	-0.10
Jan	-0.09	-0.18	0.01	-0.04	-0.12	-0.04	-0.12	-0.12	-0.17	-0.03	-0.12
Feb	-0.08	-0.17	-0.01	-0.02	-0.11	-0.06	-0.07	-0.07	-0.12	-0.01	-0.12
Mar	-0.06	-0.16	-0.01	-0.01	-0.11	-0.07	-0.06	-0.03	-0.11	-0.02	-0.11
Apr	-0.05	-0.12	0.03	0.01	-0.08	-0.04	-0.04	-0.02	-0.07	-0.01	-0.06
May	-0.11	-0.15	-0.03	-0.05	-0.13	-0.09	-0.07	-0.09	-0.13	-0.08	-0.10
Jun	-0.09	-0.09	0.03	-0.03	-0.09	-0.04	-0.05	-0.07	-0.10	-0.06	-0.08
Jul	-0.06	-0.04	0.07	-0.04	-0.08	0.04	-0.02	-0.06	-0.08	-0.06	-0.05
Aug	-0.04	0.01	0.13	-0.03	-0.02	0.12	0.07	-0.04	-0.05	-0.03	0.01
Sep	-0.07	-0.01	0.09	-0.06	-0.05	0.12	0.04	-0.08	-0.10	-0.07	-0.03
Oct	-0.15	-0.16	0.00	-0.13	-0.19	-0.04	-0.13	-0.20	-0.24	-0.19	-0.16
Nov	-0.23	-0.25	-0.10	-0.19	-0.28	-0.13	-0.23	-0.30	-0.34	-0.24	-0.26
Dec	-0.15	-0.19	-0.07	-0.10	-0.20	-0.09	-0.18	-0.21	-0.26	-0.15	-0.17

### Climate change graphs for 2050s

Change between future (2041–2070) and control (1961–1990) simulated levels at West Dean

