

### General Information

Borehole Name	Heathlanes	Grid Reference	SJ 61942104
Borehole ID	SJ62/112	Mean Annual Rainfall (mm)	659
Principal Aquifer	Bridgnorth Sandstone	Period of observed level data	1972 - 2005
EA Region	Midlands		



### Observed Data

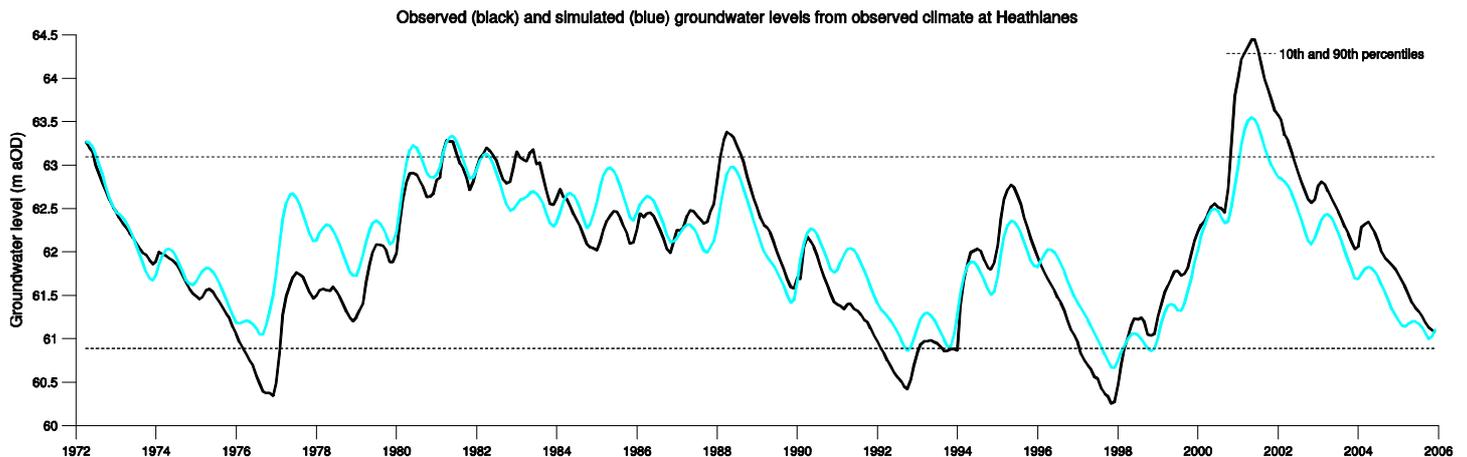
### Comparison of observed and simulated levels (m)

### Model used: R-Groundwater

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	NSE	RMSE
1972 - 2005	0.03	0.00	0.02	0.04	0.06	0.06	0.06	0.06	0.04	0.04	0.02	0.01	0.00	0.77	0.41
Performance	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

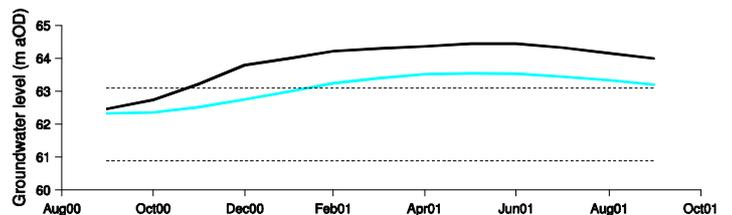
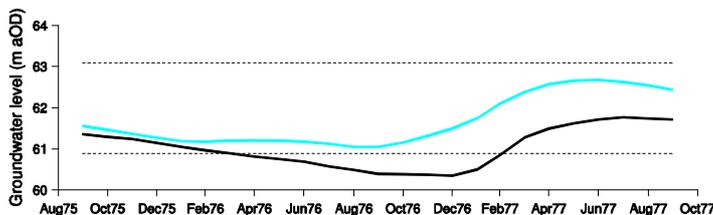
  

	L90	L75	L50	L25	L10		%
1972 - 2005	0.26	0.19	0.06	-0.08	-0.15	Error (sim-obs) in range (max-min)	-31.34
Performance	1	1	1	1	1	Performance	3

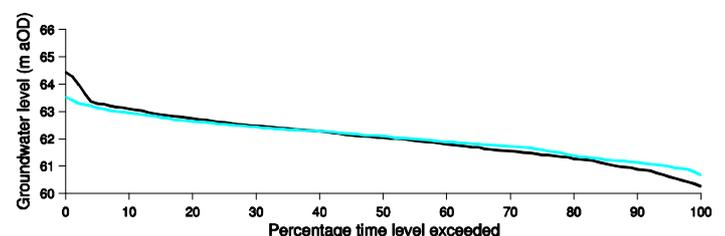
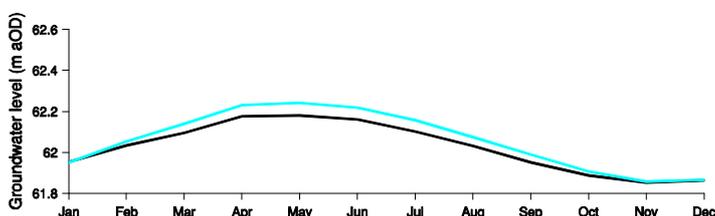


### Comparison of observed and simulated levels (observed climate)

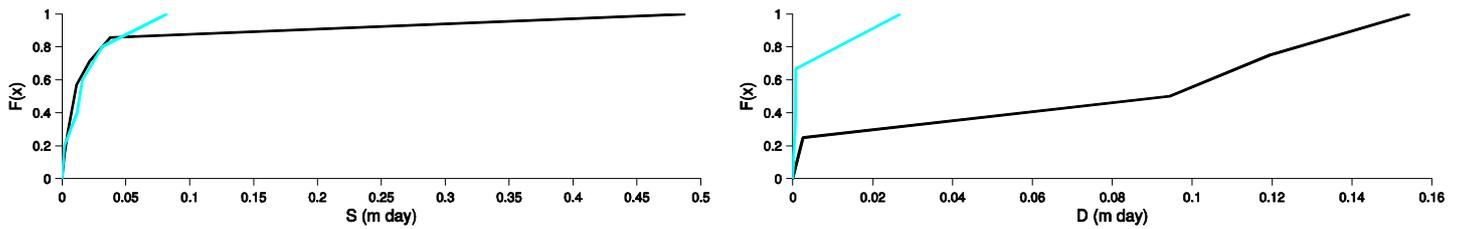
Selected observed (black) and simulated (blue) groundwater levels at Heathlanes



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

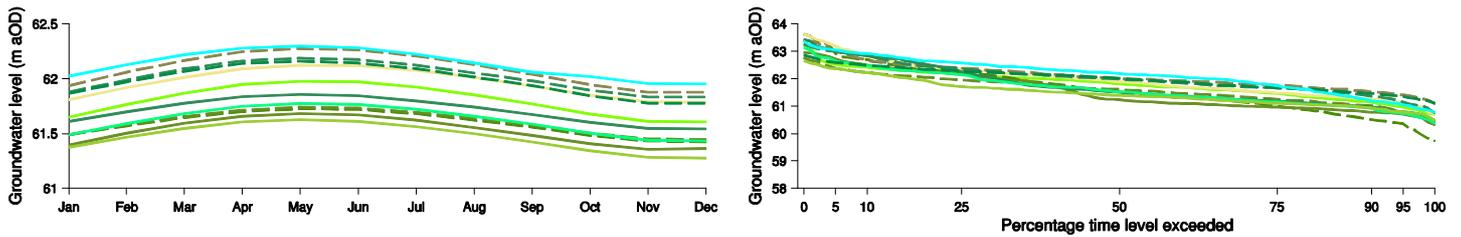


Surplus (S) and Deficit (D) distributions from observed (black) and simulated (blue) groundwater levels from observed climate at Heathlanes



### 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	-0.33	-0.54	-0.17	-0.05	-0.61	-0.53	-0.42	-0.11	-0.52	-0.15	-0.66
Jan	-0.38	-0.54	-0.22	-0.09	-0.63	-0.54	-0.42	-0.14	-0.53	-0.16	-0.65
Feb	-0.36	-0.56	-0.21	-0.07	-0.63	-0.55	-0.43	-0.14	-0.54	-0.16	-0.66
Mar	-0.35	-0.57	-0.21	-0.05	-0.62	-0.56	-0.44	-0.13	-0.54	-0.15	-0.67
Apr	-0.33	-0.58	-0.19	-0.03	-0.62	-0.57	-0.44	-0.12	-0.53	-0.14	-0.67
May	-0.32	-0.57	-0.18	-0.03	-0.62	-0.56	-0.44	-0.11	-0.53	-0.14	-0.67
Jun	-0.31	-0.56	-0.16	-0.02	-0.61	-0.55	-0.44	-0.11	-0.52	-0.14	-0.67
Jul	-0.30	-0.54	-0.15	-0.02	-0.60	-0.53	-0.43	-0.10	-0.50	-0.13	-0.66
Aug	-0.29	-0.52	-0.13	-0.02	-0.59	-0.51	-0.41	-0.09	-0.49	-0.13	-0.65
Sep	-0.29	-0.50	-0.12	-0.02	-0.58	-0.48	-0.38	-0.08	-0.47	-0.12	-0.63
Oct	-0.34	-0.53	-0.17	-0.07	-0.61	-0.52	-0.42	-0.12	-0.51	-0.18	-0.67
Nov	-0.35	-0.53	-0.17	-0.08	-0.60	-0.51	-0.41	-0.12	-0.52	-0.18	-0.68
Dec	-0.35	-0.53	-0.17	-0.08	-0.59	-0.51	-0.41	-0.12	-0.52	-0.18	-0.68

### Climate change graphs for 2050s

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

