

11th April 2018
20768c10

Mr Russell Kent
Hampshire Homes
8 Chatmohr Estate
Crawley Hill
Nr Romsey
Hampshire
SO51 6AP

Dear Russell,

**ISSUE OF GROUNDWATER MONITORING REPORT – APRIL 2018
WESTWOOD CLOSE, EMSWORTH**

Please find attached the results from the most recent groundwater monitoring visit that was undertaken at the Land off Westwood Close, Emsworth site (Figure 1). This work has been completed using current best practice and in accordance with WDE Terms of Business. The site currently comprises an open plot of pasture land.

This report should be read in conjunction with the Geo-Environmental Assessment Report¹.

BACKGROUND INFORMATION

Geology, hydrogeology and hydrology

Published geological information indicates that the bedrock is of London Clay Formation overlain by superficial deposits of Head and Alluvium.

The Environment Agency website indicates that the bedrock is Unproductive while the superficial deposits have been designated as a Secondary (A) Aquifer. The site does not lie within any Environment Agency Source Protection Zone.

The nearest river is the River Ems situated adjacent to the eastern boundary.

The locations of each monitoring well are shown on Figure 2.

¹ WDE Consulting, November 2017. Geo-Environmental Assessment, Westwood Close, Emsworth. 20768R1 Issue A

FIELD RESULTS

Groundwater Monitoring Results

A summary of the groundwater monitoring results are presented in Table 1 to Table 5.

Table 1 – Groundwater Field Monitoring Results for 9th November 2017

Monitoring Well Reference	Depth to Water (m bgl)	Depth to Base of Well (m bgl)	Comments
BH1	1.47	4.28	-
BH2	1.56	4.99	-
BH3	1.20	4.93	-
BH4	1.12	4.74	-

Table 2 – Groundwater Field Monitoring Results for 7th December 2017

Monitoring Well Reference	Depth to Water (m bgl)	Depth to Base of Well (m bgl)	Comments
BH1	1.47	4.22	-
BH2	-	-	No Access
BH3	1.25	4.94	-
BH4	0.98	4.67	-

Table 3 – Groundwater Field Monitoring Results for 11th January 2018

Monitoring Well Reference	Depth to Water (m bgl)	Depth to Base of Well (m bgl)	Comments
BH1	1.30	4.20	-
BH2	-	-	No Access
BH3	0.80	4.96	-
BH4	0.42	4.71	-

Table 4 – Groundwater Field Monitoring Results for 23rd February 2018

Monitoring Well Reference	Depth to Water (m bgl)	Depth to Base of Well (m bgl)	Comments
BH1	1.236	4.161	-
BH2	-	-	No Access
BH3	0.769	4.850	-
BH4	0.446	4.710	-

Table 5 – Groundwater Field Monitoring Results for 7th March 2018

Monitoring Well Reference	Depth to Water (m bgl)	Depth to Base of Well (m bgl)	Comments
BH1	1.264	4.162	-
BH2	-	-	No Access
BH3	0.761	4.848	-
BH4	0.383	4.710	-

Table 6 – Groundwater Field Monitoring Results for 11th April 2018

Monitoring Well Reference	Depth to Water (m bgl)	Depth to Base of Well (m bgl)	Comments
BH1	1.250	4.162	-

BH2	-	-	No Access
BH3	0.420	4.848	
BH4	0.000	4.710	

CONCLUSIONS

Groundwater was detected in all monitoring wells accessible in April 2018 between ground level and 1.250m bgl.

Please contact me should you require any additional information.

Yours sincerely
WDE Consulting Ltd



David Hastings
Senior Consultant

Attached:
Figures

FIGURES



Site Location Plan obtained from Groundsure Report WDE-4345131

