ARUN DISTRICT COUNCIL AW/18/22/DOC

Ground Water Monitoring

Project: 34-44 Carlton Ave, Bognor Regis

Date	WS1		WS2		GWL difference between WS1 & WS2	Suggested Correction to WS1 GWL		
	GWL dim below EGL	Approx GWL based on GL (m) @	GWL dim below EGL	Approx GWL based on GL (m) @		WS2 Approx GWL based on GL (m) @	Mean GWL difference between WS1 & WS2	WS1 Approx GWL based on GL (m) @
	(m)	49.8	(m)	49.9	(m)	49.9	(m)	49.8
01 May 2018	1.23	48.57	1.30	48.60	-0.03			
01 June 2018	1.23	48.57	1.30	48.60	-0.03			
01 July 2018	1.23	48.57	1.30	48.60	-0.03			
01 August 2018	1.23	48.57	1.30	48.60	-0.03			
01 September 2018	1.23	48.57	1.30	48.60	-0.03			
01 September 2018	1.23	48.57	1.30	48.60	-0.03			
01 June 2018	-	-	-	-	-			
01 July 2018	-	-	-	-	-			
01 August 2018	-	-	-	-	-			
01 September 2018	-	-	-	-	-			
09 October 2018	-	-	-	-	-			
02 November 2018	1.80	48.00	1.96	47.94	0.06			
01 December 2018	-	-	-	-	-			
17 December 2018	0.52	49.28	0.91	48.99	0.29	48.99	0.02	49.01
24 December 2018	0.37	49.43	0.64	49.26	0.17	49.26	0.02	49.28
11 January 2019	1.31	48.49	1.34	48.56	-0.07			
18 January 2019	1.42	48.38	1.47	48.43	-0.05			
28 January 2019	1.34	48.46	1.41	48.49	-0.03			
04 February 2019	1.08	48.72	1.22	48.68	0.04			
11 February 2019	0.83	48.98	0.84	49.06	-0.09			
25 February 2019	1.24	48.56	1.31	48.59	-0.03			
04 March 2019	0.92	48.89	1.00	48.91	-0.02			
11 March 2019	0.74	49.06	0.87	49.03	0.03			
18 March 2019	0.94	48.87	1.02	48.89	-0.02			
25 March 2018	1.21	48.59	1.31	48.60	-0.01			
01 April 2018	1.39	48.41	1.44	48.46	-0.05			
08 April 2018	1.46	48.34	1.54	48.36	-0.02			
15 April 2018	1.49	48.32	1.59	48.31	0.01			
23 April 2019	1.53	48.27	1.66	48.25	0.02			
29 April 2019	1.62	48.18	1.74	48.16	0.02			

Note:

With the exception of dates 17 & 24 Dec 2018, GWL Difference between WS1 & WS2 are generally less than 0.1m, and that GWL between the two boreholes actual correlate well.

Mean GWL difference between WS1 and WS2 is 0.02m

Applying this correction to WS1 GWL for dates 17 & 24 December gives max anticipated GWL @ 49.28m