codling wind park

Environmental Impact Assessment Report

Volume 4

Appendix 20.3 Final Groundwater Levels

	BH01		BH02		BH03		BH04		BH05	
Coordinates - E	320151.85		320222.6		320229.66		320108.33		320183.55	
Coordinates - N	233889.07		233883.57		233831.6		233830.09		233857.59	
Ground Elevation	3.68		3.05		3.23		3.21		3.15	
Strata Monitored	S&G		MG + S&G		S&G		MG + S&G		MG + S&G	
Date	**mbgl**	**mOD**	**mbgl**	**mOD**	**mbgl**	**mOD**	**mbgl**	**mOD**	**mbgl**	**mOD**
03/12/2018	2.7	0.98	1.92	1.13	2.26	0.97	2.18	1.03	1.99	1.16
10/12/2018	4.1	-0.42	3.1	-0.05	3.5	-0.27	3.73	-0.52	3.54	-0.39
11/05/2022										
11/07/2022	4.58	-0.9	Headworks gone	Headworks gone	3.84	-0.61	3.55	-0.34	3.27	-0.12
09/11/2022	2.65	1.03	1.96	1.09	1.8	1.43	1.83	1.38	2.1	1.05
05/01/2023	3.86	-0.18	2.55	0.5	2.47	0.76	3.56	-0.35	3.01	0.14
15/02/2023	3.8	-0.12	1.56	1.49	3.3	-0.07	3.09	0.12	2.92	0.23
16/02/2023	-	-	-	-	-	-	-	-	-	-
15/03/2023	4.58	-0.9	3.37	-0.32	3.85	-0.62	3.58	-0.37	3.67	-0.52
25/04/2023	4.44	-0.76	2.94	0.11	3.49	-0.26	3.71	-0.5	3.4	-0.25
01/06/2023	3.85	-0.17	2.98	0.07	3.8	-0.57	3.63	-0.42	2.95	0.2
07/07/2023	3.54	0.14	2.29	0.76	3.03	0.2	3.29	-0.08	3.2	-0.05
14/08/2023	3.1	0.58	2.1	0.95	Overgrown	Overgrown	2.88	0.33	2.73	0.42
28/09/2023	2.51	1.17	2.3	0.75	2.15	1.08	2.12	1.09	2.2	0.95
Max	4.58	1.17	3.37	1.49	3.85	1.43	3.73	1.38	3.67	1.16
Min	2.51	-0.90	1.56	-0.32	1.80	-0.62	1.83	-0.52	1.99	-0.52
Median	3.64	0.04	2.46	0.59	3.04	0.19	3.10	0.11	2.92	0.24

	P-BH15-S		P-BH15-D		P-BH16-S		P-BH16-D		P-BH17	
Coordinates - E	320169.98		320169.98		320112.19		320112.19		320195.89	
Coordinates - N	233886.26		233886.26		233830.92		233830.92		233865.74	
Ground Elevation	3.07		3.07		3.04		3.04		2.95	
Strata Monitored	MG		Bedrock		MG		Clay		S&G	
Date	**mbgl**	**mOD**	**mbgl**	**mOD**	**mbgl**	**mOD**	**mbgl**	**mOD**	**mbgl**	**mOD**
03/12/2018	-	-	-	-	-	-	-	-	-	-
10/12/2018	-	-	-	-	-	-	-	-	-	-
11/05/2022	3	0.07	-	-	Dry		2.66	0.38	2.15	0.8
11/07/2022	3.22	-0.15	Standpipe blocked	-	Dry		2.95	0.09	3.63	-0.68
09/11/2022	2.35	0.72	Standpipe blocked	-	1.73	1.31	4.6	-1.56	1.72	1.23
05/01/2023	2.64	0.43	Standpipe blocked	-	Dry		3.29	-0.25	3.49	-0.54
15/02/2023	2.3	0.77	Standpipe blocked	-	Dry	Dry	2.9	0.14	1.5	1.45
16/02/2023	-	-	Standpipe blocked	-	-	-	-	-	-	-
15/03/2023	3.4	-0.33	Standpipe blocked	-	Dry	Dry	Standpipe blocked	Standpipe blocked	3.12	-0.17
25/04/2023	3.26	-0.19	Standpipe blocked	-	Dry		Standpipe blocked	Standpipe blocked	3.81	-0.86
01/06/2023	3.02	0.05	Standpipe blocked	-	Dry	Dry	Standpipe blocked	Standpipe blocked	3.07	-0.12
07/07/2023	2.78	0.29	Standpipe blocked	-	Dry	Dry	Standpipe blocked	Standpipe blocked	3.03	-0.08
14/08/2023	2.97	0.1	Standpipe blocked	-			Standpipe blocked	Standpipe blocked	2.82	0.13
28/09/2023	2.53	0.54	Standpipe blocked		1.85	1.19	Standpipe blocked	Standpipe blocked	1.8	1.15
Max	3.40	0.77			1.85	1.31	4.60	0.38	3.81	1.45
Min	2.30	-0.33			1.73	1.19	2.66	-1.56	1.50	-0.86
Median	2.86	0.21			1.79	1.25	3.28	-0.24	2.74	0.21

	P-BH20-S		P-BH20-D		P-BH29 (S)		P-BH29 (D)		P_BH27		P_BH25 (S)		P_BH25(D)	
Coordinates - E	320160.01		320160.01		320066.0876		320066.0876		319961.8295		319845.8098		319845.8098	
Coordinates - N	233846.42		233846.42		233814.6635		233814.6635		233798.6513		233684.2017		233684.2017	
Ground Elevation	3.07		3.07		3.07		3.07		3.69		4		4	
Strata Monitored	MG		Bedrock		MG + Sand +Silt+Clay		Sand and Gravel		S&G		MG + S + G		Sand	
Date	**mbgl**	**mOD**	**mbgl**	**mOD**	**mbgl**	**mOD**	**mbgl**	**mod**	**mbgl**	**mOD**	**mbgl**	**mOD**	**mbgl**	**mOD**
03/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/05/2022	Dry	Dry	2.5	0.57	-	-	-	-	-	-	-	-	-	-
11/07/2022	Dry	Dry	2.5	0.57	-	-	-	-	-	-	-	-	-	-
09/11/2022	Dry	Dry	Standpipe blocked	Standpipe blocked	Dry	Dry	-	-	-	-	-	-	-	-
05/01/2023	Dry	Dry	Standpipe blocked	Standpipe blocked	Dry	Dry	-	-	-	-	-	-	-	-
15/02/2023	Dry	Dry	Standpipe blocked	Standpipe blocked	Dry	Dry	3.09	-0.02	-	-	-	-	-	-
16/02/2023	Dry	Dry	Standpipe blocked	Standpipe blocked	-	-	-	-	3.23	0.46	3.7	0.3	3.5	0.5
15/03/2023	Dry	Dry	Standpipe blocked	Standpipe blocked	Dry	Dry	3.29	-0.22	3.96	-0.27	3.71	0.29	4.02	-0.02
25/04/2023	Dry		Standpipe blocked	Standpipe blocked	-	-	3.53	-0.46	4	-0.31	3.62	0.38	4.18	-0.18
01/06/2023	Dry	Dry	Standpipe blocked	Standpipe blocked	Dry	Dry	3.7	-0.63	2.9	0.79	4.03	-0.03	3.57	0.43
07/07/2023	Dry	Dry	Standpipe blocked	Standpipe blocked	Dry	Dry	3.14	-0.07	3.53	0.16	3.53	0.47	3.96	0.04
14/08/2023	Dry	Dry	Standpipe blocked	Standpipe blocked	Dry	Dry	2.85	0.22	2.75	0.94	dpipe bloc	dpipe bloc	dpipe bloc	dpipe bloc
28/09/2023	Dry	Dry	Standpipe blocked	Standpipe blocked	2.36	0.71	2.25	0.82	2.38	1.31	3.44	0.56	3.28	0.72
Max	0.00	0.00	2.50	0.57	2.36	0.71			4.00	1.31	4.03	0.56		
Min	0.00	0.00	2.50	0.57	2.36	0.71			2.38	-0.31	3.44	-0.03		
Median	0.00	0.00	2.50	0.57	2.36	0.71	3.12	-0.05	3.25	0.44	3.67	0.33	3.75	0.25

	P_BH24		P_BH23		P_BH14		P_BH22		P-BH21	
Coordinates - E	319822.6		319801.3912		319681.9865		319750.5483		319838.9093	
Coordinates - N	233494.9115		233383.0221		233299.2391		233284.3794		233274.6879	
Ground Elevation	3.78		4.95		4.49		4.89		4.74	
Strata Monitored	Sand		MG		MG+ S&G		MG		MG + S&G	
Date	**mbgl**	**mOD**	**mbgl**	**mOD**	**mbgl**	**mOD**	**mbgl**	**mOD**	**mbgl**	**mOD**
03/12/2018	-	-	-	-	-	-	-	-	-	-
10/12/2018	-	-	-	-	-	-	-	-	-	-
11/05/2022	-	-	-	-	4.35	0.14	-	-	4.63	0.11
11/07/2022	-	-	-	-	4.15	0.34	-	-	4.24	0.5
09/11/2022	-	-	-	-	No access		-	-	3.7	1.04
05/01/2023	-	-	-	-	3.61	0.88	-	-	3.7	1.04
15/02/2023	-	-	-	-	-	-	-	-	-	-
16/02/2023	3.25	0.53	2.05	2.9	4.05	0.44	4.12	0.77	4.18	0.65
15/03/2023	3.54	0.24	4.55	0.4	1.02	3.47	4.69	0.2	4.42	0.32
25/04/2023	3.45	0.33	4.38	0.57	3.95	0.54	Dry	Dry	4.33	0.41
01/06/2023	3.33	0.45	4.65	0.3	4.1	0.39	Dry	Dry	4.22	0.52
07/07/2023	3.36	0.42	4.4	0.55	4.02	0.47	Dry	Dry	4.45	0.29
14/08/2023	Diver burried under gravel	Diver burried under gravel	4.24	0.71	3.72	0.77	Dry	Dry	4.21	0.53
28/09/2023	-	-	4.12	0.83	3.65	0.84	4.58	0.31	4.2	0.54
Max	3.54	0.53	4.65	2.90	4.35	3.47	4.69	0.77	4.63	1.04
Min	3.25	0.24	2.05	0.30	1.02	0.14	4.12	0.20	3.70	0.11
Median	3.39	0.39	4.06	0.89	3.66	0.83	4.46	0.43	4.21	0.54