

Appendix 15/2

Groundwater Levels

Groundwater Levels within New Groundwater Monitoring Boreholes installed during 2012

BH ID	Installation Date	Location (NGR)	Elevation (mAOD)		Borehole Depth (mbgl)	Monitored Strata	Geology ²	Ground-water Strikes (mbgl)	Groundwater Level (mAOD)			
			Ground Level	Monitoring Datum					Initial ¹	25/09/12	08/10/12	31/10/12
BH1a	03/09/12	E:273945 N:213353	178.32	178.95	12	Coal Measures	0m - c.7.0m: Glacial Drift c.7.0m - 12m: Middle Coal Measures	7	172.96	174.77	167.95	174.50
BH1b	07/09/12	E:273814 N:213400	177.05	177.71	20		0m - c.7.5m: Glacial Drift c.7.5m - 20m: Middle Coal Measures	4.5 - minor 15 - large	172.77	167.34	172.87	171.74
BH2	30/08/12	E:273803 N:212821	190.92	191.54	50		Middle Coal Measures	10 & 13	178.16	177.65	177.06	177.11
BH3	03/09/12	E:273912 N:212502	177.07	177.70	12		0m - c.4.5m: Glacial Drift c.4.5m - c.12m: Middle Coal Measures	4.5 - minor 6 - large	175.96	175.62	175.03	175.00
BH4	07/09/12	E:273088 N:213817	182.38	183.04	20		0m - 10m: Unrecorded 10m - 20m: Middle Coal Measures	14.5	181.30	172.51	172.21	172.15
BH5	07/09/12	E:272318 N:212149	206.18	207.44	44		Middle Coal Measures	4.5 - minor 10 - large	196.08	195.57	194.97	195.09
BHA	17/09/12	E:271840 N:213442	222.68	223.33	63	Colliery Spoil & Coal Measures	0m - c.18m: Colliery Spoil Backfill c.18m - 63m: Middle Coal Measures	c.60	166.09	166.90	166.32	166.13
BHB	12/09/12	E:272442 N:213349	256.18	256.84	63	Colliery Spoil Backfill	0m - 63m: Colliery Spoil Backfill	8 & 13 - minor (perched) 24 - medium	229.57	231.72	232.25	230.10
BHC1	07/09/12	E:273200 N:213560	196.14	196.77	17		0m - 17m: Colliery Spoil Backfill	6 (perched)	Dry	Dry	Dry	Dry
BHC2	13/09/12	E:273180 N:213559	197.60	198.24	60		0m - 60m: Colliery Spoil Backfill	13 (perched)	Dry	Dry	Dry	139.38

Notes:

1. Readings taken after installation, between 30th August and 17th September 2012.
2. Geology inferred from drillers logs and geological mapping.
3. Installation details: 2m plain casing with bentonite surface seal, remainder of borehole screened.