

STRATA/ SEAM	SAMPLE NO.	BASE (m)	THICK. (m)	LITHOLOGY DESCRIPTION
		1.00	1.00	SOIL: clayey, sandy, dark brown, extremely weathered, firm.
		2.00	1.00	CLAY: sandy, in part, cream, brown, extremely weathered, firm.
		4.00	2.00	SILTSTONE: with minor hard bands, ferruginous, towards top of unit, medium brown, grey, highly weathered, moderately hard.
		5.00	1.00	MUDSTONE: light grey, orange, highly weathered, moderately soft.
		6.10	1.10	SILTSTONE: medium brown, grey, highly weathered, moderately hard.
		6.25	0.15	WEATHERED COAL
		6.40	0.15	CARBONACEOUS MUDSTONE: mottled brown, orange, highly weathered, moderately soft.
		6.60	0.20	WEATHERED COAL
		7.00	0.40	CARBONACEOUS MUDSTONE: mottled brown, orange, highly weathered, moderately soft.
		8.33	1.33	SILTSTONE: medium to dark brown, grey, slightly weathered, moderately hard.
		8.56	0.23	WEATHERED COAL
		8.70	0.14	MUDSTONE: partly carbonaceous, medium to dark brown, grey, slightly weathered, moderately soft.
		8.98	0.28	WEATHERED COAL
————— Base of Weathering —————				
		10.00	1.02	SILTSTONE: medium to dark grey, fresh, moderately hard.
		10.40	0.40	MUDSTONE: partly carbonaceous, medium to dark brown, grey, moderately soft.
		10.90	0.50	COAL: hard.
		13.00	2.10	SILTSTONE: muddy, bands, medium to dark grey, moderately hard.
		15.50	2.50	SILTSTONE: medium to dark grey, moderately hard.
		26.00	10.50	SANDSTONE: minor, silty, bands, fine and medium grained, light to medium grey, moderately hard.
		27.00	1.00	SANDSTONE: sideritic, fine grained, light to medium brown, hard.
		28.50	1.50	SANDSTONE: fine and medium grained, light to medium grey, moderately hard to hard.
		29.50	1.00	SILTSTONE: partly carbonaceous, medium to dark grey, brown, moderately hard to hard.
		29.70	0.20	CARBONACEOUS MUDSTONE: dark brown, moderately hard.
		29.93	0.23	COAL: hard.

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		32.00	2.07	SILTSTONE: partly carbonaceous, medium to dark grey, brown, moderately hard.
		33.00	1.00	CARBONACEOUS MUDSTONE (80%): dark brown, moderately hard, irregularly interbedded with COAL (20%): hard.
		36.00	3.00	SILTSTONE: sandy, towards base of unit, medium to dark grey, moderately hard.
		38.50	2.50	MUDSTONE: with minor hard bands, sideritic, medium to dark brown, grey, moderately soft.
		48.50	10.00	SANDSTONE: silty, clasts, with minor hard bands, sideritic, fine and medium grained, light to medium grey, moderately hard to hard.
		49.58	1.08	SILTSTONE: partly carbonaceous, muddy, medium to dark grey, brown, moderately hard.
		50.10	0.52	COAL: hard.
		52.00	1.90	SILTSTONE: partly carbonaceous, muddy, medium to dark grey, brown, moderately hard.
		52.10	0.10	COAL: hard.
		52.40	0.30	SILTSTONE: partly carbonaceous, medium to dark grey, brown, moderately hard.
		52.50	0.10	COAL: hard.
		52.60	0.10	SILTSTONE: partly carbonaceous, medium to dark grey, brown, moderately hard.
		52.80	0.20	COAL: hard.
		52.95	0.15	SILTSTONE: partly carbonaceous, medium to dark grey, brown, moderately hard.
		53.44	0.49	COAL: hard.
		59.00	5.56	SILTSTONE: medium to dark grey, moderately hard.
		59.64	0.64	MUDSTONE: partly carbonaceous, medium to dark brown, grey, moderately soft.
		59.75	0.11	COAL: hard.
		60.00	0.25	MUDSTONE: partly carbonaceous, medium to dark brown, grey, moderately soft.
		62.78	2.78	SILTSTONE: medium to dark grey, moderately hard.
		63.05	0.27	COAL: hard.
		63.95	0.90	SILTSTONE: medium to dark grey, moderately hard.
		64.25	0.30	COAL: hard.

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		65.55	1.30	SILTSTONE: medium to dark grey, moderately hard.
		66.45	0.90	COAL (90%): hard, irregularly interbedded with MUDSTONE (10%): partly carbonaceous, medium to dark brown, grey, moderately soft.
		71.00	4.55	SILTSTONE: medium to dark grey, moderately hard.
		88.00	17.00	SANDSTONE: with minor hard bands, sideritic, silty, bands, fine and medium grained, light to medium grey, moderately hard.
		89.00	1.00	SILTSTONE: partly carbonaceous, medium to dark grey, brown, moderately hard.
		104.00	15.00	SANDSTONE: with minor hard bands, sideritic, fine and medium grained, light to medium grey, moderately hard to hard.
		106.15	2.15	MUDSTONE: partly carbonaceous, medium to dark brown, grey, moderately soft.
		106.30	0.15	COAL: hard.
		106.88	0.58	MUDSTONE: partly carbonaceous, medium to dark brown, grey, moderately soft.
		107.32	0.44	COAL: hard.
		109.00	1.68	MUDSTONE: partly carbonaceous, medium to dark brown, grey, moderately soft.
		110.00	1.00	SILTSTONE: medium to dark grey, moderately hard.
		123.00	13.00	SANDSTONE: fine and medium grained, light to medium grey, moderately hard, fining upwards.

Gas detected at cessation of hole, overloaded gas detector.

Risk assessment done, and hole left to breathe overnight.

Following day, gas measured nil reading prior to pulling out rods, but returned soon after as water level dropped.

Risk assessment done. Flooded hole with to suppress gas and continued filling hole while pulling out rods.

————— TOTAL DEPTH: 123.00 metres —————