

# EL 16/2010 Valley Road Drilling Project-Fingal

## Summary Geology Log (1:200)

Hole ID	Survey-GDA	Interval From(m)	Interval To(m)	Lithology	Seam	Sample No	Working Sections
VR001	CSPP Survey	0.00	4.00	oxidised soil, regolith			
	589431.77E	4.00	203.30	fresh dolerite			
	5388423.42N	203.30	374.78	fresh dolerite			
	828.13 RL		374.78	Dolerite roof contact with coal.			
	Dip-90	374.77	381.00	Coal seam with interbedded mudstone+ minor claystone	C	HVC001 - 09	
		381.00	383.93	Mudstone/siltstone floor			
		383.93	400.52	Mainly sandstone cycles			
			400.52	Sandstone roof			
		400.52	404.71	Coal seam with interbedded mudstone+ minor claystone	D	HVC010 - 13	
		404.71	420.43	Sandstone floor			
		420.43	425.57	Mudstone>sandstone, trace coal			
			425.57	Mudstone roof			

425.57	425.80	Coal/carb mudstone/mudstone bands	E		
425.80	432.50	Mudstone floor			
432.50	432.80	Core loss			
432.80	439.72	Sandstone, mudstone			
439.72	439.87	Coal			
439.87	440.50	Mudstone			
440.50	440.72	Core loss			
440.72	442.37	Mudstone roof			
442.37	444.42	Coal	F	HVC014 - 15	2.05m @ 40.3%ash from 442.37m
444.42	448.20	Mudstone some interbedded carb mudstone floor			
	463.12	Sandstone			
463.12	463.17	Carb mud grading to mudstone			
463.17	468.85	Sandstone			
448.20	470.46	Mudstone, sandstone			
470.46	470.81	Coal			
470.81	489.76	Sandstone, mudstone fining up cycles, rare thin coal			
	490.39	Grey thinly bedded mudstone roof .			
490.39	492.05	Coal Seam	G	HVC016	

492.05	493.59	Grey mudstone floor, with minor unnamed coal bands, coarsening downwards to a grey mudstone interbedded with massive lithic sandstone with clay matrix, Sandstone increasing downhole.	
493.59	493.72	Minor coal band with tuffaceous bands.	
493.72	502.58	Grey mudstone with minor unnamed coal bands, coarsening downwards to a Grey mudstone interbedded with Sandstone, Sandstone increasing downhole. Sandstone - lithic, massive with clay matrix.	
502.58	509.13	Interbedded carbonaceous mudstone with brown? tuffaceous mudstone roof, with minor coal inclusions, friable and broken.	
509.13	509.80	Dull Coal Seam <5% bright bands, interbedded with Carbonaceous Mudstone.	H#1
509.80	510.74	Grey mudstone floor, thinly bedded with carbonaceous bands.	
510.74	516.70	Grey Mudstone medium interbedded with tuffaceous mudstone, extremely brittle and friable, badly broken.	
516.70	517.05	Core Loss	
517.05	517.10	Grey Mudstone, thinly bedded.	
517.10	517.20	Grey Mudstone thinly bedded with Carbonaceous mudstone roof. Minor coal inclusions.	

517.20	518.10	Dull Coal Seam <1% bright bands,	H#2
518.10	518.44	Grey, carbonaceous mudstone floor,badly broken.	
518.44	518.51	Core Loss	
518.51	562.60	Grey and Carb mudstone rich fining-up cycles of lithic sandstone-mudstone.	
562.60	565.90	Sandstone-mudstone cycles a/a, increasing quartz content in sandstones.	
565.90		Base Coal Measures Sequence	
565.90	576.05	White medium, minor coarse well sorted quartz sandstone.	
	EOH	Tray #119	

Hole ID	Survey-GDA	Interval From(m)	Interval To(m)	Lithology	Seam	Sample No
VR002	CSPP Survey	0.00	39.90	Dolerite talus roof, limonitic clay,decomposed and fresh dolerite.		
	588328.64E	39.90	45.40	Interbedded heavy dull coal, grey mudstone and carbonaceous mudstone. Top 10cm decomposed	A	
	5390042.42N	45.40	50.70	Interbedded sandstone and grey mudstone floor.		
	581.42 RL	50.70	67.52	Grey massive, lithic sandstone. Some coal flasars and thin mudstone layers.		
	Dip-90	67.52	67.78	Interbedded mudstone and carbonaceous mudstone roof.		
		67.78	72.09	Coal.	B	HVC

				042-045
72.09	76.19	Sandstone fining up to interlaminated carbonaceous mudstone and grey mudstone floor.		
76.19	88.37	Sandstone roof with fining up cycles.		
88.37	91.92	Coal with interbedded carbonaceous mudstone.	C	HVC 046-052
91.92	95.22	Mudstone and carbonaceous mudstone roof gradually getting more coarse down hole.		
95.22	111.16	sharp contact between coarse mudstone and carb mud.		
111.16	115.45	grey mudstone roof.		
115.45	116.31	Coal.	D	HVC 053-054
116.31	117.27	Grey mudstone with carb mud in the last 12cm.		
117.27	118.52	Coal.	D	HVC 055
118.52	128.71	Contact from coal to mudstone floor then grading down to lithic sandstone with minor coal flasers.		
128.71	133.26	Sandstone with polymict mudstone pebble conglomerate bands and thin coal flasers.		
133.26	142.58	Sandstone.		
142.58	143.76	Interbedded carbonaceous mudstone and grey mudstone.		
143.76	144.74	Coaly carbonaceous mudstone		
144.74	145.74	Grey mudstone with minor carbonaceous mudstone roof.		

145.74	146.33	Coal.	E	HVC0 56
146.33	148.73	Interbedded grey mudstone and sandstone floor.		
148.73	157.95	Sandstone with some mudstone beds.		
157.95	167.09	grey mudstone roof.		
167.09	167.92	Coal.	F	HVC 057
167.92	168.44	Interbedded carbonaceous mudstone and grey mudstone.		HVC 058
168.44	169.04	Coal.	F	HVC 059
169.04	175.25	Mudstone floor with some carbonaceous mudstone with a single small coal layer.		
175.25	185.64	Sandstone.		
185.64	193.66	Interbedded mudstone and carbonaceous mudstone.		
193.66	206.85	Sandstone.		
206.85	209.94	Mudstone roof with some carbonaceous mudstone with a couple of small coal layers .		
209.94	211.09	Coal.	G	HVC 060
211.09	219.42	Mudstone floor grading down to sandstone.		
219.42	224.45	Interbedded carbonaceous mudstone and grey mudstone grading down hole to sandstone.		
	EOH	Tray #60		

Hole ID	Survey-GDA	Interval From(m)	Interval To(m)	Lithology	Seam	Sample No	Working Sections
VR003	CSPP Survey	0.00	3.00	soil			
	588745.38E	3.00	21.40	Dolerite Talus			
	5390342.18N	21.40	26.64	Coal Seam	A		
	556.45 RL	26.64	49.54	Mudstone floor gradually coarsening down hole to sandstone.			
	Dip-90	49.54	51.71	Mudstone			
		51.71	54.20	Coal Seam	B		
		54.20	59.54	Carbonaceous mudstone downgrading to and oxidised siltstone			
		59.54	60.71	Brecciated calcite veins			
		60.71	73.72	Coarse grained lithic sandstone. Roof to coal.			
		73.72	77.13	Coal Seam	C	HVC 077-080	
		77.13	84.25	Siltstone, minor coal, carb mudstone floor downgrading to a coarse grained lithic sandstone			
		84.25	100.63	Sandstone			
		100.63	103.37	Grey mudstone roof			

103.37	105.64	Coal Seam	D	HVC 081	
105.64	130.19	Mudstone floor with a series of fining up sequences grading to a sandstone roof.			
130.19	130.50	Coal Seam	E		
130.50	134.50	Interbedded Siltstone and mudstone			
134.50	144.00	Sandstone with some mudstone beds			
144.00	154.49	Interbedded Siltstone, mudstone and carbonaceous mudstone			
154.49	161.92	Sandstone with sharp contact to coal			
161.92	162.57	Coal Seam	F	HVC 082	
162.57	165.28	Mudstone			
165.28	165.46	Coal Seam	F		
165.46	167.50	Interbedded Mudstone and siltstone			
167.50	173.43	Sandstone			
173.43	187.23	Interbedded Mudstone and Carbonaceous mudstone and some sandstone			
187.23	187.79	Carbonaceous mudstone roof			
187.79	189.07	Coal Seam	G	HVC 083	
189.07	190.81	Mudstone			
190.81	192.50	Coal Seam	G	HVC 084	1.69m @ 28.7% ash from



190.81m

192.50	193.48	Sandstone floor		
193.48	199.80	Interbedded Mudstone and Sandstone		
199.80	200.56	Coal Seam	H #1	HVC 085
200.56	204.51	Carbonaceous mudstone grading into sandstone interbedded with carbonaceous mudstone		
204.51	207.42	Mudstone		
207.42	207.97	Coal Seam	H#2	
207.97	212.42	Grey mudstone with some layers of sandstone and carbonaceous mudstone		
212.42	212.73	Dull heavy coal with slickenside roof and floor contact	Unnamed	
212.73	217.30	Sandstone and mudstone grading down to interbedded mudstone and carbonaceous mudstone		
	EOH	Tray #64		

Hole ID	Survey-GDA	Interval From(m)	Interval To(m)	Lithology	Seam	Sample No	Working Sections
VR004b	CSPP Survey	0.00	16.78	Weathered oxidised yellow lithic sandstone.			
	587819.06E	16.78	17.10	Deeply weathered coal			

5390337.41N	17.10	24.92	Weathered mudstone and carbonaceous mudstone. Grading down to fresh rocks. Grey mudstone roof to coal			
455.01 RL	24.92	26.53	Dull minor bright coal	F	HVC 066	2.78m @ 35.0%ash from 24.92m
Dip-90	26.53	27.00	Interbedded grey mudstone and carbonaceous mudstone with minor coal.		HVC 067	
	27.00	27.70	Dull minor bright coal	F	HVC 068	
	27.70	32.66	Interbedded grey mudstone floor and carbonaceous mudstone with small heavy coal bands.			
	32.66	43.74	Sequence of fining up cycles between grey mudstone and lithic sandstone.			
	43.74	52.92	Interbedded grey mudstone and carbonaceous mudstone.			
	52.92	62.50	Massive coarse grained sandstone with mudstone clasts and			
	62.50	67.64	Grey mudstone with some interbedded carbonaceous mudstone. Mudstone roof.			
	67.64	68.75	Dull heavy coal	G#1	HVC 069	
	68.75	76.78	Grey mudstone gradually grading down to a coarse sandstone.			
	76.78	77.18	Grey mudstone roof.			
	77.18	77.63	Dull and bright coal	G#2	HVC 070	
	77.63	80.89	Carbonaceous mudstone floor down grading to mudstone. Interbedded carbonaceous mudstone and grey mudstone			

		roof.			
80.89	81.40	Dull minor bright coal	G#3	HVC 071	
81.40	83.75	Sandstone floor grading down to mudstone interbedded with carbonaceous mudstone roof			
83.75	84.31	Dull minor bright coal	G#4	HVC 072	
84.31	89.32	Mudstone floor with fining up sequences. Carbonaceous mudstone roof			
89.32	89.87	Dull minor bright coal	G#5	HVC 073	
89.87	90.80	Grey mudstone			
	EOH	Tray #28			

Hole ID	Survey-GDA	Interval From(m)	Interval To(m)	Lithology	Seam	Sample No	Working Sections
VR005	CSPP Survey	0.00	11.25	Dolerite talus roof, limonitic clay, decomposed and fresh dolerite.			
	587808.03E	11.25	22.48	Massive coarse grained sandstone with top 44cm a yellow oxidised weathered section			
	5390437.21N	22.48	29.43	Interbedded grey mudstone and carbonaceous mudstone.			

436.2 RL	29.43	43.09	Massive coarse grained sandstone with minor coal flasers and a weathered yellow section between 31.05-34.06				
Dip-90	43.09	43.52	Coal		G	HVC 074	
	43.52	47.65	Carbonaceous mudstone floor grading into a grey mudstone roof				
	47.65	49.07	Dull and bright coal		G	HVC 075-076	1.42m @ 30.6%ash from 47.65m
	49.07	55.65	Grey mudstone floor till the end of hole				
		EOH	Tray #21				

Hole ID	Survey-GDA	Interval From(m)	Interval To(m)	Lithology	Seam	Sample No	Working Sections
VR006	CSPP Survey						
	589143.52E	0.00	3.00	Soil Regolith			
	5390231.88N	3.00	51.20	Dolerite Talus			
	573.39 RL	51.20	52.65	Sandstone and core loss			
	Dip-90	52.65	52.90	Mudstone,light grey			
		52.90	53.25	Coal, dull, broken	A		
		53.25	53.65	Carbonaceous mudstone			

53.65	54.15	Mudstone, grey		
54.15	54.40	Coal dull		
54.40	55.36	Mudstone, light grey		
55.36	56.48	Core loss		
56.48	56.62	Coal, dull		
56.62	57.15	Mudstone		
57.15	57.55	Coal		
57.55	59.45	Mudstone, carbonaceous towards top		
59.45	74.69	Coarse lithic sandstone with coal flasers		
74.69	75.62	Interbedded grey mudstone and carbonaceous mudstone with bands of coarse mudstone clasts and coal bands.		
75.62	75.98	Cream/fawn claystone		
75.98	81.39	Coal	B	
81.39	85.07	Fining upwards grey lithic sandstone		
85.07	98.85	Coarse grained light grey sandstone with occasional coal flasers		
98.85	98.96	Interbedded carbonaceous mudstone and grey mudstone	C	HVC 104
98.96	99.22	Coal		HVC 104
99.22	99.64	Interbedded carbonaceous mudstone and grey mudstone, with minor banded coal		HVC 104

99.64	99.85	Coal	HVC 104	
99.85	100.01	Carbonaceous mudstone	HVC 104	
100.01	100.23	Coal	HVC 105	
100.23	100.41	Interbedded carbonaceous and grey mudstone	HVC 106	
100.41	100.66	Coal	HVC 107	
100.66	100.77	Interbedded carbonaceous and grey mudstone	HVC 108	
100.77	101.71	Coal	HVC 109	
101.71	101.79	Carbonaceous mudstone	HVC 109	
101.79	102.52	Dull minor bright coal	HVC 109	1.75m @ 29.2% ash from 100.77m
102.52	106.60	Mudstone grading to fine sandstone with minor interbedded mudstone and carbonaceous mudstone		
106.60	125.34	Coarse grey sandstone		
125.34	128.80	Grey mudstone grading into carbonaceous mudstone		
128.80	129.84	Coal	D	
129.84	153.15	Sandstone-fining up sequence from medium grained sandstone to coarse grained sandstone		
153.15	153.70	Coal with major core loss	E?	
153.70	156.60	Sharp contact between coarsed grained sandstone and carbonaceous mudstone		

156.60	164.38	Medium to coarse grained lithic sandstone with coal flasers	
164.38	164.70	Carbonaceous mudstone	
164.70	167.97	Medium to coarse grained sandstone	
167.97	168.10	Coal, dull and bright	E?
168.10	168.12	Carbonaceous mudstone	
168.12	168.18	Mudstone, brown with a graded base	
168.18	169.52	Mudstone	
169.52	169.58	Coal, dull and stony	E?
169.58	169.78	Carbonaceous mudstone with bright coal bands grading to mudstone	
169.78	169.95	Coal, dull and bright, stony at base	E?
169.95	175.27	Gradational contact to grey mudstone with occasional carbonaceous mudstone beds	
175.27	178.37	Sharp contact with fine sandstone grading up to a more coarse sandstone	
178.37	179.90	Grey mudstone with silty bands	
179.90	183.33	Lithic sandstone medium to coarse grained with coal flasers	
183.33	183.82	Coal	F
183.82	186.07	Mudstone interbedded with carbonaceous mudstone and coal	
186.07	188.92	Grey silty mudstone, sandy in part	

188.92	206.47	Lithic sandstone, medium to coarse grained		
206.47	207.44	Mudstone graded at base		
207.44	208.38	Sandstone, fine grained		
208.38	208.63	Coal with muddy laminae throughout		
208.63	209.57	Interbedded fine grained sandstone and mudstone, slightly carbonaceous		
209.57	211.94	Interlaminated mudstone and siltstone, carbonaceous in part		
211.94	215.22	Medium grained sandstone with carbonaceous mudstone bands		
215.22	217.92	Silty mudstone		
217.92	219.09	Fine sandstone, carbonaceous laminae in part		
219.09	219.49	Coal		
219.49	221.00	Finely interbedded fine sandstone, siltstone and mudstone		
221.00	222.41	Interbedded mudstone and carbonaceous mudstone		
222.41	223.13	Coal	G	HVC 110
223.13	223.37	Carbonaceous mudstone		HVC 111
223.37	224.10	Coal		HVC 112
224.10	224.23	Carbonaceous mudstone		HVC 113
224.23	224.53	Mudstone, grey		HVC 113
224.53	225.07	Coal		HVC 114



225.07	225.23	Mudstone	HVC 115
225.23	225.74	Coal	HVC 116
225.74	231.45	Interbedded mudstone, siltstone and fine grained sandstone	
231.45	232.00	Fine grained sandstone	
	EOH	Tray #64	

Hole ID	Survey-GDA	Interval From(m)	Interval To(m)	Lithology	Seam	Sample No	Working Sections
VR007	CSPP Survey						
	588443.79 E	0.00	6.50	Soil, Regolith			
	5389239.06 N	6.50	113.00	Dolerite Talus. Weathered and fresh dolerite boulders and pebbles in clay matrix			
	661.32 RL	113.00	124.50	Lithic sandstone, minor siltstone			
	Dip-90	124.50	127.44	Roof-carbonaceous and grey mudstone			
		127.44	130.09	Coal, numerous dirt bands, mudstone	A		
		130.09	137.00	Floor-mainly grey mudstone, minor carbonaceous mudstone, lithic sandstone			
		137.00	152.60	Lithic sandstone, minor carbonaceous, coaly bands, flasers			

152.60	154.49	Roof-carbonaceous and cream mudstone		
154.49	155.74	Coal	B	HVC136
155.74	159.39	Floor-carbonaceous grading down to grey mudstone		
159.39	178.44	Lithic sandstone		
178.44	181.37	Roof-lithic sandstone overlying carbonaceous mudstone		
181.37	186.26	Coal, good quality and heavy dull, interbanded with mudstone, dirt bands	C	HVC137
186.00	188.40	Floor-carbonaceous mudstone		
188.40	207.52	Lithic sandstone		
207.52	208.55	Roof-carbonaceous, fawn mudstone, claystone		
208.55	211.27	Coal, 2 plys of good quality coal with 1.13m mudstone interburden	D	
211.27	216.35	Floor-grey mudstone grading down to fine sandstone		
216.35	234.48	Lithic sandstone		
234.48	241.78	Carbonaceous, grey mudstone grading down to siltstone		
241.78	251.76	Roof-lithic sandstone		
251.76	252.30	Coal, good quality thin seam	E	
252.30	254.64	Floor-silty grey mudstone with swelling clays, grading down to carbonaceous mudstone		
254.64	260.45	Roof-carbonaceous overlying grey mudstone		

260.45	262.47	Coal, decent quality with dirt bands increasing down seam	F	HVC138-140	2.02m @ 42.0% ash from 260.45m
262.47	267.65	Floor-grey mudstone			
267.65	273.50	siltstone with thin coaly bands at top of unit			
273.50	283.03	Lithic sandstone			
283.03	291.21	Grey grading down to carbonaceous mudstone			
291.21	299.41	Roof-lithic sandstone			
299.41	304.55	Coal, 2 splits of good quality coal with 1.61m mudstone interburden	G	HVC141-142	1.99m @ 33.0% ash from 302.56m
304.55	310.22	Floor- grey mudstone, minor siltstone			
310.22	314.75	Siltstone grading down to carbonaceous mudstone			
314.75	319.71	Lithic sandstone			
319.71	320.78	Roof-carbonaceos mudstone under lithic sandstone			
320.78	321.55	Coal	H#1		
321.55	324.82	Grey mudstone			
324.82	326.24	Coal grading to carbonaceous mudstone	H#2		
326.24	330.25	Carbonaceous, grey mudstone grading down to silty mudstone			
330.25	331.00	Coal	H#3		

331.00 333.10 Floor-brown, grey mudstone, minor coaly band  
EOH Tray #89

Hole ID	Survey-GDA	Interval From(m)	Interval To(m)	Lithology	Seam	Sample No	Working Sections
VR008	CSPP Survey						
	588179.34E	0.00	78.50	Dolerite Talus. Weathered and fresh dolerite boulders and pebbles in clay matrix			
	5389580.46N	78.50	83.88	Interbedded degraded coal, mudstone, siltstone	A		
	623.6RL	83.88	104.38	Fining -up cycles of lithic sandstone, siltsone, grey mudstone			
	Dip -90	104.38	106.55	Roof-carbonaceous, grey and cream mudstone			
		106.55	107.92	Coal Seam. Interbedded dirty coal, carbonaceous, grey, cream mudstone, coal quality decreasing at seam base	B		
		107.92	110.71	Floor-interbedded grey and carbonaceous mudstone			
		110.71	131.34	Coarse lithic sandstone, including Roof to seam C			
		131.34	135.46	Coal Seam. Interbedded good coal, dirty coal, stony coal, carbonaceous and grey mudstone	C	HVC160	
		135.46	136.85	Floor-carbonaceous, grey mudstone top to fining-up cycle		HVC161	

136.85	156.91	Fining -up and massive coarse-medium lithic sandstone, including Roof to Seam D			
156.91	160.29	Coal Seam. 2 coal plies with 1.15m mudstone interbed	D		
160.29	169.56	Floor-grey mudstone grading to carbonaceous at base			
169.56	183.12	Massive lithic sandstone			
183.12	193.03	Interbedded carbonaceous mudstone, siltstone			
193.03	199.13	Fining-up cycles of coarse-medium lithic sandstone grading up to siltstone, grey mudstone			
199.13	202.13	Thin upper F seam plies interbedded with grey, carbonaceous mudstone	F		
202.13	208.28	Roof-unstable siltstone, grey mudstone			
208.28	210.21	Coal Seam. 2 coal plies with 0.5m mudstone interbed	F		
210.21	214.01	Floor-grey mudstone overlying siltstone			
214.01	214.77	F seam lower split, thin good quality coal	F	HVC162	
214.77	216.34	Fine lithic sandstone		HVC163	1.93m @ ? from 208.275m
216.34	217.13	Carbonaceous mudstone overlying dull heavy coal	F	HVC164	
217.13	218.68	Grey mudstone grading down to siltstone		HVC165	
218.68	228.86	Massive medium lithic sandstone			
228.86	233.48	Interbedded grey mudstone, siltstone, fine sandstone			
233.48	247.45	Fining -up cycles of coarse-medium lithic sandstone,			

including Roof to seam G

247.45	248.13	Coal Seam. Upper ply, dull coal	G
248.13	250.03	Grey mudstone, carbonaceous at base	
250.03	251.00	Coal Seam. Lower ply, dull minor bright coal	G
251.00	251.60	?Floor-grey mudstone, clay breccia, probably deformed by drilling	
251.60	251.98	Dull heavy coal interbanded with grey mudstone, disrupted core	
251.98	258.80	Fining-up cycles of coarse-medium lithic sandstone	
	EOH	Tray# 63	

Hole ID	Survey-GDA	Interval From(m)	Interval To(m)	Lithology	Seam	Sample No	Working Sections
VR009	CSPP Survey	0.00	3.00	Dolerite regolith			
	588834.91E	3.00	196.00	Fresh dolerite			
	5388379.8N	196.00	251.50	Fining up cycles of lithic sandstone-mudstone, minor thin coaly, carbonaceous mudstone bands			
	786.91RL	251.50	256.50	Interbedded dirty coal and mudstone	A		
	Dip -90	256.50	258.90	Silty grey mudstone with 10 cm coaly base			

258.90	277.61	Fining up cycles of coarse-medium lithic sandstone, minor carbonaceous mudstone tops to basal cycles = Roof		
277.62	279.36	Coal Seam including decent quality interval	B	HVC169
279.31	281.40	Floor- carbonaceous grading down to grey mudstone		
281.40	300.97	Fining up cycles of coarse-medium lithic sandstone-mudstone, minor mudstone tops = Roof		
300.97	305.43	Coal Seam-thick seam of mainly dirty, stony coal	C	
305.43	308.95	Floor- grey silty mudstone, claystone, thin stony coal base		
308.95	327.99	Fining up cycles of coarse-medium lithic sandstone, minor mudstone tops = Roof		
327.99	329.02	Coal Seam-thin good quality ply	D	
329.02	331.33	Grey mudstone, siltstone interburden		
331.33	332.49	Coal Seam-dull with minor mudstone bands	D	
332.49	342.13	Floor-grey mudstone, minor carbonaceous bands		
342.13	354.60	Fining up cycles of coarse-medium lithic sandstone, minor mudstone tops		
354.60	357.68	Grey mudstone, minor siltstone, coal flasers		
357.68	374.83	Fining up cycles of coarse-medium lithic sandstone-mudstone, minor mudstone tops = Roof		
374.83	377.20	Interbedded thin coal plys, siltstone and grey mudstone with swelling clay	F	
377.20	379.87	Roof-grey grading down to carbonaceous mudstone		

379.87	381.80	Coal Seam-good quality coal with dirt bands	F	HVC170-172	2.18m @ ? from 379.87m
381.80	383.39	Floor-heavy coal grading down to mudstone, siltstone			
383.39	399.13	Fining up cycles of coarse-medium lithic sandstone			
399.13	401.02	Fining up interval of thin siltstone, mudstone, stony coal bands			
401.02	413.00	Fining up cycles of coarse-medium lithic sandstone			
413.00	420.06	Thinly bedded carbonaceous mudstone, minor heavy coal bands, grey siltstone, mudstone			
420.06	424.82	Roof-interbedded grey siltstone, fine sandstone, mudstone			
424.82	427.18	Coal Seam-good quality coal with dirt bands	G	HVC173-175	
427.18	431.35	Interburden grey, minor carbonaceous mudstone, silty at base			
431.35	433.00	Coal Seam-good quality coal 15% bright	G	HVC176	
433.00	435.30	Floor-grey mudstone, siltstone			
	EOH	Tray# 64			