

THE SHELL COMPANY OF AUSTRALIA LTD.

BOREHOLE LITHOLOGICAL DESCRIPTION

GRAY

GY 29

HOLE TYPE	CORE
EASTING	599,018 M AM GRID
NORTHING	5,371,168 M AM GRID
ELEVATION	382.70 M
TOTAL DEPTH DRILLED	430.80 M
DRILLING STARTED	16/ 5/80
DRILLING TIME	
CORE SIZE	61.1 MM
HOLE SIZE	96.1 MM
LENGTH CASED	
INITIAL WATER LEVEL	
WATER LEVEL AT GEOPHYSICAL LOGGING	
DRILLING FLUID	
DRILLING CONTRACTOR	
GEOPHYSICAL LOGGING CONTRACTOR	
LITHOLOGICAL DESCRIPTION BY	
INFORMATION AVAILABLE :	SAMPLES TAKEN ANALYTICAL DATA LITHOLOGICAL DESCRIPTION
PETROPHYSICAL WIRELINE LOGS RUN :	

DEPTH TO BASE H	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION *** CORE DESCRIPTION ***
16.00	16.00	85		100% DOLERITE	SCREE, GREY-GREEN, HIGHLY WEATHERED, STRONG ROCK.
40.80	24.80	95		100% DOLERITE	MED.-COARSE GRAINED, GREY-GREEN, HIGHLY WEATHERED, VERY STRONG ROCK, WIDELY SPACED JOINTS, DISCONTINUITIES INFILLED WITH SOIL (>1).
41.67	0.87	100		100% DOLERITE	MED.-COARSE GRAINED, GREY-GREEN, UNWEATHERED, VERY STRONG ROCK.
79.74	38.07	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
83.66	3.92	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
85.37	1.71	100		80% SANDSTONE, COARSE GRAINED 20% MUDSTONE	COALY, FRAGMENTS, LIGHT GREY. PEBBLY, ROUNDED, GREY. UNWEATHERED, STRONG ROCK.
85.72	0.35	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
87.46	1.74	100		100% MUDSTONE	CARBONACEOUS, LAMINAE, GREY, UNWEATHERED, MODERATELY WEAK ROCK.
87.73	0.27	100		100% CARBONACEOUS MUDSTONE	MUDSTONE, LAMINAE, BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
88.44	0.71	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
88.74	0.30	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, LENSES, LIGHT GREY, UNWEATHERED, STRONG ROCK.
89.71	0.97	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
89.97	0.26	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
92.41	2.44	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK, LAMINATED, WITH CARBONACEOUS WISPS.
94.72	2.31	100		95% SANDSTONE 5% COAL	MED.-COARSE GRAINED, LIGHT GREY. FRAGMENTS. UNWEATHERED, STRONG ROCK.
94.95	0.23	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
95.26	0.31	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, STREAKS, GREY, UNWEATHERED, MODERATELY STRONG ROCK.
95.38	0.12	100		100% COAL, DULL WITH FEW BRIGHT BANDS	
95.59	0.21	100		100% SANDSTONE, MEDIUM GRAINED	GREY, UNWEATHERED, STRONG ROCK.
95.87	0.28	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
95.93	0.06	100		100% MUDSTONE	ARENACEOUS, LENSES, GREY, UNWEATHERED, MODERATELY WEAK ROCK.
96.00	0.07	100		100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	
96.07	0.07	100		100% CLAY	GREY-BROWN, UNWEATHERED, FIRM, RAPID SLAKING, MODERATELY STICKY.
96.13	0.06	100		100% COAL, BRIGHT WITH NUMEROUS DULL BANDS	

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
96.15	0.02	100		100% MUDSTONE	BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
96.52	0.37	100		100% COAL, BRIGHT WITH NUMEROUS DULL BANDS	
96.79	0.27	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
96.87	0.08	100		100% COAL, DULL WITH FEW BRIGHT BANDS	
96.99	0.12	100		100% SANDSTONE, FINE GRAINED	CALCITIC, CREAM, UNWEATHERED, MODERATELY STRONG ROCK.
97.08	0.09	100		100% COAL, BRIGHT WITH FEW DULL BANDS	
97.16	0.08	100		100% SANDSTONE, FINE GRAINED	CALCITIC, WHITE, UNWEATHERED, STRONG ROCK.
97.28	0.12	100		100% COAL, DULL	
97.34	0.06	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT BROWN, UNWEATHERED, MODERATELY STRONG ROCK.
97.45	0.11	100		100% COAL, INTERBANDED DULL AND BRIGHT	
97.53	0.08	100		100% SANDSTONE	MED.-FINE GRAINED, BROWN, UNWEATHERED, STRONG ROCK.
97.60	0.07	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
97.80	0.20	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
97.84	0.04	100		100% COAL, DULL	UNWEATHERED.
97.94	0.10	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
98.08	0.14	100		100% COAL, DULL	UNWEATHERED.
98.13	0.05	100		100% SANDSTONE	VERY FINE GRAINED, GREY, UNWEATHERED, MODERATELY STRONG ROCK.
98.68	0.55	100		100% COAL, DULL WITH FEW BRIGHT BANDS	WITH CALCITE ON CLEAT, UNWEATHERED.
98.70	0.02	100		100% MUDSTONE	COARSE, BANDS, BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
98.83	0.13	100		100% COAL, DULL	WITH CALCITE ON CLEAT, UNWEATHERED.
99.08	0.25	100		100% SANDSTONE	VERY FINE GRAINED, CALCITIC, BUFF, UNWEATHERED, MODERATELY STRONG ROCK.
99.19	0.11	100		100% COAL, DULL	UNWEATHERED.
99.55	0.36	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
99.61	0.06	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
99.78	0.17	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
99.85	0.07	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, MODERATELY STRONG ROCK.
99.90	0.05	100		100% COAL, DULL	UNWEATHERED.
99.91	0.01	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
100.17	0.26	100		100% COAL, BRIGHT	UNWEATHERED.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE *** CORE DESCRIPTION ***	GEOLOGICAL DESCRIPTION
100.27	0.10	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
100.35	0.08	100		100% SANDSTONE, FINE GRAINED	LIGHT BROWN, UNWEATHERED, STRONG ROCK.
100.45	0.10	100		100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	UNWEATHERED.
100.47	0.02	100		100% SANDSTONE, FINE GRAINED	LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
100.50	0.03	100		100% COAL, BRIGHT WITH FEW DULL BANDS	UNWEATHERED.
100.72	0.22	100		100% COAL, BRIGHT	UNWEATHERED.
100.74	0.02	100		100% COAL, DULL	UNWEATHERED.
100.76	0.02	100		100% MUDSTONE	BRIGHT COAL, BANDS, LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
100.80	0.04	100		100% COAL, DULL	MUDSTONE, BANDS, UNWEATHERED.
100.85	0.05	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
101.14	0.29	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
101.17	0.03	100		100% COAL, DULL	UNWEATHERED.
101.21	0.04	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, WEAK ROCK.
101.25	0.04	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
101.29	0.04	100		100% MUDSTONE	BUFF, UNWEATHERED, MODERATELY WEAK ROCK.
101.34	0.05	100		100% COAL, DULL	UNWEATHERED.
101.40	0.06	100		100% SANDSTONE, FINE GRAINED	LIGHT BROWN, UNWEATHERED, MODERATELY STRONG ROCK.
101.56	0.16	100		100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	UNWEATHERED.
102.94	1.38	100		100% SANDSTONE, FINE GRAINED	LIGHT BROWN, WITH DETRITAL BIOTITE, UNWEATHERED, STRONG ROCK.
104.08	1.14	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
104.38	0.30	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
105.07	0.69	100		100% COAL, BRIGHT WITH FEW DULL BANDS	BADLY BROKEN, UNWEATHERED.
105.24	0.17	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY STRONG ROCK.
105.95	0.71	100		100% SANDSTONE	MED.-FINE GRAINED, KAOLINITIC, LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
106.00	0.05	100		100% SANDSTONE, MEDIUM GRAINED	BROWN, UNWEATHERED, STRONG ROCK.
106.21	0.21	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, BLACK, UNWEATHERED, STRONG ROCK.
106.28	0.07	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
106.45	0.17	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, BLACK, UNWEATHERED, MODERATELY STRONG ROCK.
106.71	0.26	100		100% COAL, BRIGHT	UNWEATHERED.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
106.90	0.19	100		100% COAL, DULL	UNWEATHERED.
107.05	0.15	100		100% SANDSTONE	MED.-FINE GRAINED, KAOLINITIC, LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
107.16	0.11	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
107.69	0.53	100		100% COAL, BRIGHT WITH FEW DULL BANDS	BADLY BROKEN, UNWEATHERED.
108.02	0.33	100		100% SANDSTONE, FINE GRAINED	LIGHT BROWN, UNWEATHERED, MODERATELY STRONG ROCK, WITH PLANT REMAINS.
109.11	1.09	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
109.43	0.32	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
109.68	0.25	100		100% MUDSTONE	COALY, FRAGMENTS, GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
115.63	5.95	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
115.70	0.07	100		100% SANDSTONE, MEDIUM GRAINED	CALCITIC, BROWN, UNWEATHERED, STRONG ROCK.
115.75	0.05	100		100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	UNWEATHERED.
115.85	0.10	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
116.48	0.63	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK, LAMINATED.
116.82	0.34	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
117.41	0.59	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
117.62	0.21	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
118.15	0.53	100		100% SANDSTONE, FINE GRAINED	KAOLINITIC, CALCITIC, BUFF, UNWEATHERED, MODERATELY WEAK ROCK.
118.18	0.03	100		100% CLAY	BUFF, UNWEATHERED, SOFT, VERY STICKY.
118.31	0.13	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
118.35	0.04	100		100% CLAY	CALCITIC, BUFF, UNWEATHERED, FIRM, VERY STICKY.
118.49	0.14	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
118.54	0.05	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
118.99	0.45	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
119.07	0.08	100		100% COAL, DULL	UNWEATHERED.
119.11	0.04	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
119.14	0.03	100		100% COAL, DULL	UNWEATHERED.
119.16	0.02	100		100% SANDSTONE, MEDIUM GRAINED	CALCITIC, LIGHT GREEN, UNWEATHERED, MODERATELY STRONG ROCK.
119.29	0.13	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	PFC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
119.68	0.39	100		100% SANDSTONE, MEDIUM GRAINED	KAOLINITIC, GREEN, UNWEATHERED, MODERATELY WEAK ROCK.
119.96	0.28	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
120.01	0.05	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
120.35	0.34	100		100% COAL, HEAVY DULL	MUDSTONE, BANDS, UNWEATHERED.
120.74	0.39	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
122.18	1.44	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
123.04	0.86	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, MODERATELY STRONG ROCK.
128.61	5.57	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
132.70	4.09	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
132.77	0.07	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
132.95	0.18	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, BLACK, UNWEATHERED, STRONG ROCK.
133.07	0.12	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREEN, UNWEATHERED, STRONG ROCK, WITH PLANT REMAINS.
133.24	0.17	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, BLACK, UNWEATHERED, STRONG ROCK.
133.39	0.15	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
133.59	0.20	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, BLACK, UNWEATHERED, STRONG ROCK.
133.76	0.17	100		100% MUDSTONE	COALY, FRAGMENTS, GREY, UNWEATHERED, MODERATELY WEAK ROCK.
133.85	0.09	100		100% COAL, DULL	UNWEATHERED.
133.95	0.10	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREEN, UNWEATHERED, MODERATELY STRONG ROCK.
134.08	0.13	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
134.31	0.23	100		100% COAL, INTERBANDED DULL AND BRIGHT	UNWEATHERED.
134.46	0.15	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
134.63	0.17	100		100% COAL, INTERBANDED DULL AND BRIGHT	UNWEATHERED.
134.71	0.08	100		100% COAL, BRIGHT	UNWEATHERED.
135.17	0.46	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
139.00	3.83	100		65% SANDSTONE 15% MUDSTONE	MED.-FINE GRAINED, LIGHT GREY. GREY. UNWEATHERED, MODERATELY STRONG ROCK, THICKLY LAMINATED.
139.91	0.91	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS.
140.08	0.17	100		100% COAL, DULL	UNWEATHERED, WITH FLAME/PULL STRUCTS.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
					*** CORE DESCRIPTION ***
140.16	0.08	100		100% SANDSTONE, MEDIUM GRAINED	DARK GREY, UNWEATHERED, MODERATELY STRONG ROCK.
140.24	0.08	100		100% COAL, DULL	UNWEATHERED.
140.39	0.15	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, BLACK, UNWEATHERED, STRONG ROCK.
140.62	0.23	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
140.77	0.15	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREEN, MODERATELY STRONG ROCK.
140.92	0.15	100		100% COAL, HEAVY DULL	
141.28	0.36	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK.
141.85	0.57	100		100% MUDSTONE	LIGHT GREY, MODERATELY WEAK ROCK, LAMINATED.
142.14	0.29	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREEN, MODERATELY WEAK ROCK.
142.41	0.27	100		100% MUDSTONE	GREY, MODERATELY WEAK ROCK, LAMINATED.
142.54	0.13	100		100% CARBONACEOUS MUDSTONE	BLACK, MODERATELY WEAK ROCK.
144.26	1.72	100		90% MUDSTONE 10% SANDSTONE, MEDIUM GRAINED	GREY. LIGHT GREY. MODERATELY WEAK ROCK, VERY THINLY BEDDED, LAMINATED.
150.80	6.54	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
151.74	0.94	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
151.80	0.06	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, MODERATELY STRONG ROCK.
152.32	0.52	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
152.52	0.20	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, MODERATELY STRONG ROCK.
153.27	0.75	100		100% SANDSTONE	VERY FINE GRAINED, GREY, MODERATELY STRONG ROCK, LAMINATED, WITH DISTURBED BEDDING.
154.76	1.49	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, MODERATELY STRONG ROCK, WITH CARBONACEOUS WISPS.
156.64	1.88	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
156.74	0.10	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK, WITH CARBONACEOUS WISPS.
158.26	1.52	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
158.49	0.23	100		100% SANDSTONE, FINE GRAINED	GREY, STRONG ROCK, LAMINATED.
159.25	0.76	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
159.56	0.31	100		65% SANDSTONE, MEDIUM GRAINED 35% SANDSTONE, FINE GRAINED	LIGHT GREY. GREY. STRONG ROCK, VERY THINLY BEDDED, WITH MUD PELLETS, WITH TROUGH CROSS BEDDING.
160.16	0.60	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
160.35	0.19	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, WITH CALCITE ON FRACTURES, STRONG ROCK, WITH CARBONACEOUS WISPS, LAMINATED.
161.50	1.15	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
161.70	0.20	100		100% SANDSTONE, FINE GRAINED	MEDIUM GRAINED, BANDS, GREY, STRONG ROCK.
162.09	0.39	100		80% SANDSTONE, MEDIUM GRAINED 20% MUDSTONE	LIGHT GREY. LENSES, GREY. STRONG ROCK.
162.29	0.20	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
162.54	0.25	100		85% SANDSTONE 15% SANDSTONE, MEDIUM GRAINED	VERY FINE GRAINED, GREY. BANDS, LIGHT GREY. MODERATELY STRONG ROCK.
163.27	0.73	100		90% SANDSTONE 10% SANDSTONE, FINE GRAINED	MED.-FINE GRAINED, LIGHT GREY. GREY. STRONG ROCK, WITH CARBONACEOUS WISPS.
163.52	0.25	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, STRONG ROCK.
163.98	0.46	100		50% SANDSTONE 50% SANDSTONE, FINE GRAINED	MED.-FINE GRAINED, LIGHT GREY. GREY. STRONG ROCK, VERY THINLY BEDDED, LAMINATED.
164.98	1.00	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, STRONG ROCK.
165.77	0.79	100		85% SANDSTONE, COARSE GRAINED 15% MUDSTONE	COALY, FRAGMENTS, LIGHT GREY. PEBBLY, GREY. STRONG ROCK, WITH PEBBLE LINEATION.
TOP OF DALMAYNE B : 216.93 M. R.L.					
165.98	0.21	100		100% COAL, BRIGHT WITH NUMEROUS DULL BANDS	WITH CALCITE ON CLEFT.
166.16	0.18	100		100% MUDSTONE	COALY, FRAGMENTS, LIGHT GREY, MODERATELY WEAK ROCK.
166.20	0.04	100		100% COAL, BRIGHT	UNWEATHERED.
166.33	0.13	100		100% COAL, DULL	UNWEATHERED, TIGHT PLANAR, ROUGH DISCONTINUITIES, WITH SLICKENSIDES.
166.41	0.08	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
166.45	0.04	100		100% COAL, DULL	UNWEATHERED.
166.48	0.03	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
166.71	0.23	100		100% COAL, DULL	UNWEATHERED.
166.86	0.15	100		100% MUDSTONE	KAOLINITIC, LIGHT BROWN, UNWEATHERED, WEAK ROCK.
166.89	0.03	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
166.95	0.06	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
167.05	0.10	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION *** CORE DESCRIPTION ***
167.41	0.36	100		100X MUDSTONE	CARBONACEOUS BANDS, BROWN, UNWEATHERED, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
167.48	0.07	100		100X COAL, HEAVY DULL	UNWEATHERED, MODERATELY WEAK ROCK.
167.54	0.06	100		100X MUDSTONE	HEAVY DULL COAL, BANDS, BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
167.62	0.08	100		100X COAL, HEAVY DULL	UNWEATHERED.
167.64	0.02	100		100X MUDSTONE	BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
167.77	0.13	100		100X COAL, HEAVY DULL	MUDSTONE, BANDS, UNWEATHERED.
168.01	0.24	100		100X CARBONACEOUS SHALE	BLACK, UNWEATHERED, STRONG ROCK.
168.78	0.77	100		100X MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
168.85	0.07	100		100X COAL, HEAVY DULL	UNWEATHERED.
168.99	0.14	100		100X CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
169.07	0.08	100		100X SANDSTONE	MED.-FINE GRAINED, DARK GREY, UNWEATHERED, STRONG ROCK.
169.12	0.05	100		100X COAL, HEAVY DULL	UNWEATHERED.
169.17	0.05	100		100X SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
169.28	0.11	100		100X COAL, HEAVY DULL	UNWEATHERED.
169.35	0.07	100		100X SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, MODERATELY STRONG ROCK.
169.41	0.06	100		100X COAL, HEAVY DULL	UNWEATHERED.
169.50	0.09	100		100X SANDSTONE, MEDIUM GRAINED	COALY, BANDS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
169.61	0.11	100		100X COAL, HEAVY DULL	UNWEATHERED, WITH MUD PELLETS.
169.76	0.15	100		100X COAL, HEAVY DULL	UNWEATHERED.
169.80	0.04	100		100X CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
169.85	0.05	100		100X SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, MODERATELY STRONG ROCK.
169.88	0.03	100		100X CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
170.12	0.24	100		100X SANDSTONE	MED.-FINE GRAINED, LIGHT BROWN, UNWEATHERED, STRONG ROCK.
170.15	0.03	100		100X COAL, HEAVY DULL	UNWEATHERED.
170.37	0.22	100		100X MUDSTONE	CARBONACEOUS BANDS, BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
170.41	0.04			100X COAL, HEAVY DULL	
170.44	0.03	100		100X MUDSTONE	BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
170.59	0.15	100		100X COAL, HEAVY DULL	UNWEATHERED.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE *** CORE DESCRIPTION ***	GEOLOGICAL DESCRIPTION
170.63	0.04	100		100% SANDSTONE	VERY FINE GRAINED, BROWN, UNWEATHERED, STRONG ROCK.
170.74	0.11	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
170.75	0.01	100		100% MUDSTONE	BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
170.82	0.07	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
170.89	0.07	100		50% MUDSTONE 50% COAL, DULL WITH FEW BRIGHT BANDS	BROWN. UNWEATHERED, MODERATELY WEAK ROCK, THICKLY LAMINATED.
171.18	0.29	100		100% CLAYSTONE	KAOLINITIC, WAXY, GREY-GREEN, UNWEATHERED.
171.32	0.14	100		100% COAL, DULL	UNWEATHERED.
171.38	0.06	100		100% SANDSTONE, FINE GRAINED	BROWN, UNWEATHERED, STRONG ROCK.
171.43	0.05	100		100% COAL, HEAVY DULL	UNWEATHERED, TIGHT PLANAR, ROUGH DISCONTINUITIES, WITH SLICKENSIDES.
171.50	0.07	100		100% SANDSTONE, FINE GRAINED	BROWN, UNWEATHERED, STRONG ROCK.
171.66	0.16	100		100% COAL, DULL	UNWEATHERED.
171.74	0.08	100		100% CLAYSTONE	KAOLINITIC, LIGHT GREEN, UNWEATHERED, WEAK ROCK.
171.77	0.03	100		100% COAL, HEAVY DULL	UNWEATHERED.
171.84	0.07	100		100% MUDSTONE	GREY-BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
171.86	0.02	100		100% COAL, HEAVY DULL	MUDSTONE, LENSES, UNWEATHERED.
171.89	0.03	100		100% CLAYSTONE	KAOLINITIC, LIGHT GREEN, UNWEATHERED, WEAK ROCK.
172.01	0.12	100		100% COAL, DULL	UNWEATHERED.
172.07	0.06	100		100% COAL, DULL	WITH CALCITE ON CLEAT, UNWEATHERED.
172.11	0.04	100		100% MUDSTONE	GREY-GREEN, UNWEATHERED, MODERATELY WEAK ROCK.
172.18	0.07	100		100% COAL, DULL	BLACK, UNWEATHERED, EXTREMELY STRONG ROCK.
172.25	0.07	100		100% COAL, DULL WITH FEW BRIGHT BANDS	WITH CALCITE ON CLEAT, UNWEATHERED.
172.29	0.04	100		100% MUDSTONE	BROWN, WITH ABUNDANT CALCITE, UNWEATHERED, EXTREMELY STRONG ROCK.
172.68	0.39	100		100% MUDSTONE	GREEN-BROWN, WITH GRANULAR CALCITE, UNWEATHERED, WEAK ROCK.
172.83	0.15	100		100% COAL, HEAVY DULL	UNWEATHERED.
172.84	0.01	100		100% SANDSTONE, FINE GRAINED	LIGHT BROWN, UNWEATHERED, MODERATELY STRONG ROCK.
173.01	0.17	100		100% COAL, DULL	UNWEATHERED.
173.06	0.05	100		100% CARBONACEOUS MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
173.08	0.02	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
173.19	0.11	100		100% COAL, DULL	UNWEATHERED.
173.70	0.51	100		100% CARBONACEOUS MUDSTONE	ARENACEOUS, BLUE, UNWEATHERED, MODERATELY STRONG ROCK.
174.01	0.31	100		100% MUDSTONE	BROWN, UNWEATHERED, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
174.13	0.12	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
174.21	0.08	100		100% COAL, HEAVY DULL	UNWEATHERED.
174.28	0.07	100		100% MUDSTONE	ARENACEOUS, DARK GREY, UNWEATHERED, MODERATELY STRONG ROCK, WITH PLANT REMAINS.
174.40	0.12	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
174.41	0.01	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
174.44	0.03	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
174.49	0.05	100		100% COAL, DULL	MUDSTONE, LENSES, UNWEATHERED.
174.69	0.20	100		100% COAL, DULL WITH FEW BRIGHT BANDS	BADLY BROKEN, UNWEATHERED.
174.94	0.25	100		100% COAL, BRIGHT WITH FEW DULL BANDS	BADLY BROKEN, UNWEATHERED.
174.98	0.04	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
175.10	0.12	100		100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	UNWEATHERED.
175.15	0.05	100		100% MUDSTONE	BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
175.32	0.17	100		100% COAL, DULL	UNWEATHERED.
175.36	0.04	100		100% COAL, BRIGHT WITH FEW DULL BANDS	UNWEATHERED.
175.42	0.06	100		100% CARBONACEOUS MUDSTONE	COALY, FRAGMENTS, BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
175.59	0.17	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
175.60	0.01	100		100% CARBONACEOUS SHALE	UNWEATHERED.
175.72	0.12	100		100% MUDSTONE	BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
175.80	0.08	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
175.84	0.04	100		100% MUDSTONE	LIGHT GREY, UNWEATHERED, MODERATELY STRONG ROCK.
176.10	0.26	100		100% COAL, DULL	UNWEATHERED.
176.19	0.09	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
176.20	0.01	100		100% COAL, BRIGHT	UNWEATHERED.

BASE OF DALMAYNE B : THICKNESS= 10.43 M; SAMPLED THICKNESS= 0.00 M

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
178.35	2.15	100		100% MUDSTONE	GRADING TO, FINE GRAINED SANDSTONE, GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
178.81	0.46	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, MODERATELY STRONG ROCK, LAMINATED.
181.33	2.52	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
186.22	4.89	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
186.41	0.19	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
187.59	1.18	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
188.64	1.05	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
188.70	0.06	100		100% COAL, BRIGHT	WITH CALCITE ON CLEAT, UNWEATHERED.
189.03	0.33	100		60% SANDSTONE, FINE GRAINED 40% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, GREY. LIGHT GREY. UNWEATHERED, STRONG ROCK.
192.35	3.32	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
192.97	0.52	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, WITH GRANULAR CALCITE, UNWEATHERED, STRONG ROCK.
194.33	1.36	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
194.35	0.02	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
194.59	0.24	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
198.89	4.30	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
198.93	0.04	100		100% SANDSTONE, FINE GRAINED	COALY, TRACES, LIGHT GREY, UNWEATHERED, STRONG ROCK.
198.98	0.05	100		100% SANDSTONE, MEDIUM GRAINED	CONGLOMERATIC, LIGHT GREY, UNWEATHERED, STRONG ROCK.
199.10	0.12	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
TOP OF DALMAYNE C : 183.60 M R.L.					
199.32	0.22	100		100% COAL, DULL	UNWEATHERED.
199.44	0.12	100		100% CARBONACEOUS MUDSTONE	ARENACEOUS, BLACK, UNWEATHERED, MODERATELY STRONG ROCK.
199.60	0.16	100		100% COAL, DULL	BADLY BROKEN, UNWEATHERED.
199.69	0.09	100		100% CLAYSTONE	KAOLINITIC, UNWEATHERED, WEAK ROCK.
200.00	0.31	100		100% COAL, DULL	MUDSTONE, TRACES, UNWEATHERED, MODERATELY STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
200.04	0.04	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
200.30	0.26	100		100% COAL, DULL	UNWEATHERED.
200.33	0.03	100		100% SANDSTONE, FINE GRAINED	COALY, BANDS, BLACK, UNWEATHERED, MODERATELY STRONG ROCK.
200.38	0.05	100		100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	UNWEATHERED.
BASE OF DALMAYNE C : THICKNESS= 1.28 M; SAMPLED THICKNESS= 0.00 M					
202.35	2.27	100		100% MUDSTONE	CARBONACEOUS, TRACES, GREY, UNWEATHERED, MODERATELY WEAK ROCK.
203.27	0.62	100		100% SANDSTONE	MED.-FINE GRAINED, UNWEATHERED, STRONG ROCK, LAMINATED.
206.60	3.33	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
207.45	0.85	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
209.36	1.91	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
211.21	1.85	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
211.49	0.28	100		50% SANDSTONE, MEDIUM GRAINED 50% MUDSTONE	LIGHT GREY. PEBBLY, GREY. UNWEATHERED, STRONG ROCK, WITH PEBBLE LINEATION.
211.64	0.15	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
211.80	0.16	0		CORE LOSS	
211.90	0.10	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
212.04	0.14	100		100% SANDSTONE	MED.-FINE GRAINED, PEBBLY, LIGHT GREY, UNWEATHERED, STRONG ROCK.
212.36	0.32	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
212.38	0.02	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
212.78	0.40	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
213.00	0.22	100		100% COAL, DULL	UNWEATHERED.
213.15	0.15	100		100% PEBBLE CONGLOMERATE	GREY, UNWEATHERED, STRONG ROCK, WITH POOR SORTING.
213.58	0.43	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
214.14	0.56	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
218.30	4.46	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
218.77	0.17	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
219.23	0.46	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
219.31	0.08	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
219.34	0.03	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
219.39	0.05	100		100% SANDSTONE, MEDIUM GRAINED	PEBBLY, LIGHT GREY, UNWEATHERED, STRONG ROCK.
220.17	0.78	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
220.80	0.63	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
221.02	0.22	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
221.44	0.42	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, GREY, UNWEATHERED, STRONG ROCK.
221.63	0.19	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
221.87	0.24	100		100% SANDSTONE, FINE GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
222.38	0.51	100		95% SANDSTONE, MEDIUM GRAINED 5% MUDSTONE	COALY, FRAGMENTS, LIGHT GREY. PEBBLY, GREY. UNWEATHERED, STRONG ROCK.
222.42	0.04	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
223.36	0.94	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
224.17	0.81	100		90% SANDSTONE, MEDIUM GRAINED 5% MUDSTONE 5% COAL, DULL	COALY, FRAGMENTS, LIGHT GREY. PEBBLY, GREY. UNWEATHERED, STRONG ROCK.
233.10	8.93	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
233.31	0.21	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
247.93	14.62	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
248.10	0.17	100		100% PEBBLE CONGLOMERATE	LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH POOR SORTING.
252.81	4.71	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
253.28	0.47	100		95% SANDSTONE, MEDIUM GRAINED 5% MUDSTONE	LIGHT GREY. PEBBLY, GREY. UNWEATHERED, STRONG ROCK.
253.32	0.04	100		100% COAL, BRIGHT	UNWEATHERED.
254.62	1.30	100		95% SANDSTONE, MEDIUM GRAINED 5% MUDSTONE	LIGHT GREY. PEBBLY, GREY. UNWEATHERED, STRONG ROCK.
258.99	4.37	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
259.16	0.17	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
259.19	0.03	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
TOP OF DALMAYNE D UPPER : 123.51 M R.L.					
259.24	0.05	100		100% COAL, DULL	UNWEATHERED.
259.53	0.29	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
259.54	0.01	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
259.59	0.05	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
259.60	0.01	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
259.62	0.02	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
259.66	0.04	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
259.76	0.10	100		100% MUDSTONE	COALY, LENSES, GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED, WITH DISTURBED BEDDING.
259.80	0.04	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
259.81	0.01	100		100% CLAY	KAOLINITIC, BROWN, UNWEATHERED, VERY WEAK ROCK, SLOW SLAKING, NON STICKY.
259.87	0.06	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
260.17	0.30	100		100% COAL, DULL	UNWEATHERED.
260.25	0.08	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
260.31	0.06	100		60% COAL, DULL 40% MUDSTONE	GREY. UNWEATHERED, WITH DISTURBED BEDDING.
BASE OF DALMAYNE D UPPER : THICKNESS= 1.12 M; SAMPLED THICKNESS= 0.00 M					
261.46	1.15	100		100% MUDSTONE	ARENACEOUS, BANDS, GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED, CLOSELY SPACED JOINTS, TIGHT NON PLANAR, WITH SLICKENSIDES.
263.60	2.14	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
263.70	0.10	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH PLANT REMAINS.
266.56	2.86	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
267.90	1.34	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
272.45	4.55	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
273.36	0.91	100		100% SANDSTONE, MEDIUM GRAINED	COALY, LENSES, LIGHT GREY, UNWEATHERED, STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
273.59	0.23	100		100% SANDSTONE, COARSE GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
274.84	1.25	100		90% SANDSTONE 5% COAL 5% MUDSTONE	MED.-FINE GRAINED, LIGHT GREY. FRAGMENTS, PEBBLY. PEBBLY, GREY. UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS.
275.75	0.91	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS.
276.91	1.06	100		100% SANDSTONE, FINE GRAINED	COALY, STREAKS, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS.
276.91	0.10	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
277.11	0.20	100		100% SANDSTONE, MEDIUM GRAINED	COALY, STREAKS, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS.
277.89	0.78	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
278.10	0.21	100		100% SANDSTONE, FINE GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS.
278.59	0.49	100		100% SANDSTONE, MEDIUM GRAINED	COALY, STREAKS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
278.74	0.15	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH MUD PELLETS.
279.38	0.64	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
279.57	0.19	100		100% SANDSTONE, COARSE GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH MUD PELLETS.
279.90	0.33	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
279.97	0.07	100		100% SANDSTONE, COARSE GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
280.03	0.06	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
TOP OF DALMAYNE D LOWER : 102.67 M R.L.					
280.17	0.14	100	1	100% COAL, DULL	UNWEATHERED.
280.49	0.32	100	1	100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
280.50	0.01	100	1	100% COAL, BRIGHT	UNWEATHERED.
280.57	0.07	100	1	100% COAL, DULL	UNWEATHERED.
280.58	0.01	100	1	100% COAL, BRIGHT	UNWEATHERED.
280.74	0.16	100	1	100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	UNWEATHERED.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
280.75	0.01	100	1	100% COAL, BRIGHT	UNWEATHERED.
280.77	0.02	100	1	100% COAL, INTERBANDED DULL AND BRIGHT	UNWEATHERED.
280.83	0.06	100	1	100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
280.91	0.08	100	1	100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	WITH CALCITE ON JOINTS, UNWEATHERED.
280.96	0.05	100	1	100% COAL, DULL	KAOLINITIC, PELLETAL, UNWEATHERED.
280.98	0.02	100	1	100% COAL, BRIGHT	UNWEATHERED.
281.18	0.20	100	1	100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
281.19	0.01	100	1	100% MUDSTONE	UNWEATHERED.
281.26	0.07	100	1	100% COAL, DULL	UNWEATHERED.
281.37	0.11	100	1	100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
281.38	0.01	100	1	100% COAL, BRIGHT	UNWEATHERED.
281.39	0.01	100	1	100% COAL, DULL	UNWEATHERED.
281.42	0.03	100	1	100% TONSTEIN	BRIGHT COAL, STREAKS, DARK GREY, UNWEATHERED.
281.46	0.04	100	1	100% COAL, DULL	UNWEATHERED.
281.58	0.12	100	1	100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
281.88	0.30	100	2	100% MUDSTONE	CARBONACEOUS, STREAKS, GREY, UNWEATHERED, STRONG ROCK, WITH PLANT REMAINS.
281.98	0.10	100	3	100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	UNWEATHERED.
281.99	0.01	100	3	100% COAL, BRIGHT	UNWEATHERED.
282.00	0.01	100	3	100% COAL, DULL	UNWEATHERED.
282.03	0.03	100	3	100% MUDSTONE	GREY, UNWEATHERED, STRONG ROCK, WITH PLANT REMAINS.
282.04	0.01	100	3	100% COAL, HEAVY DULL	UNWEATHERED.
282.12	0.08	100	3	100% COAL, BRIGHT WITH FEW DULL BANDS	UNWEATHERED.
BASE OF DALHAYNE D LOWER : THICKNESS= 2.09 M; SAMPLED THICKNESS= 2.09 M					
282.17	0.05	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
282.35	0.16	100		80% SANDSTONE, FINE GRAINED 20% MUDSTONE	PELLETAL, WHITE. GREY. UNWEATHERED, MODERATELY WEAK ROCK.
284.23	1.90	100		100% SILTSTONE	FINE GRAINED SANDSTONE, LAMINAE, GREY, UNWEATHERED, STRONG ROCK, WITH PLANT REMAINS.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
284.63	0.40	100		50% SILTSTONE 50% MUDSTONE	GREY. GREY. UNWEATHERED, MODERATELY STRONG ROCK, WITH PLANT REMAINS, WITH CARBONACEOUS WISPS.
284.65	0.02	100	4	100% CARBONACEOUS MUDSTONE	BRIGHT COAL, BANDS, BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
284.66	0.01	100	4	100% MUDSTONE	BRIGHT COAL, BANDS, GREY, UNWEATHERED.
284.71	0.05	100	4	100% COAL, HEAVY DULL	BRIGHT COAL, BANDS, UNWEATHERED.
284.73	0.02	100	4	100% CARBONACEOUS MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
284.89	0.16	100	4	100% COAL, DULL	UNWEATHERED.
284.93	0.04	100	4	100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
285.11	0.18	100	4	100% COAL, DULL	UNWEATHERED.
285.13	0.02	100	4	100% TONSTEIN	HEAVY DULL COAL, TRACES, UNWEATHERED.
285.28	0.15	100	4	100% COAL, HEAVY DULL	GRADING TO, COARSE GRAINED, UNWEATHERED.
285.37	0.09	100	5	100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
285.63	0.26	100	5	100% COAL, HEAVY DULL	UNWEATHERED.
285.80	0.17	100	5	100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
TOP OF DALMAYNE D LOWER : 96.90 M R.L.					
285.90	0.10	100	6	100% CARBONACEOUS MUDSTONE	GRADING TO, HEAVY DULL COAL, UNWEATHERED.
285.93	0.03	100	6	100% COAL, HEAVY DULL	UNWEATHERED.
286.01	0.08	100	6	100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
286.21	0.20	100	6	100% COAL, DULL	UNWEATHERED.
286.26	0.05	100	6	100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
286.29	0.03	100	6	100% TONSTEIN	UNWEATHERED.
286.35	0.06	100	6	100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
286.41	0.06	100	6	100% CARBONACEOUS MUDSTONE	BRIGHT COAL, BANDS, BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
286.43	0.02	100	6	100% COAL, DULL	UNWEATHERED.
286.44	0.01	100	6	100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
286.49	0.05	100	6	100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	UNWEATHERED.
286.50	0.01	100	6	100% TONSTEIN	UNWEATHERED.
286.80	0.30	100	6	100% COAL, DULL	UNWEATHERED.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
286.96	0.16	100	6	100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
286.97	0.01	100	6	100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
286.99	0.02	100	6	100% COAL, DULL	UNWEATHERED.
287.04	0.05	100	6	100% COAL, INTERBANDED DULL AND BRIGHT	UNWEATHERED.
287.09	0.05	100	6	100% COAL, BRIGHT	UNWEATHERED.
287.11	0.02	100	6	100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
287.19	0.08	100	6	100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
287.21	0.02	100	6	100% COAL, BRIGHT	UNWEATHERED.
287.24	0.03	100	6	100% COAL, DULL	UNWEATHERED.
BASE OF DALMAYNE D LOWER : THICKNESS= 1.44 M; SAMPLED THICKNESS= 1.44 M					
287.28	0.04	100	7	100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
287.43	0.15	100	7	100% CARBONACEOUS MUDSTONE	BRIGHT COAL, BANDS, BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
287.45	0.02	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
287.63	0.18	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
287.70	0.07	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
288.04	0.34	100		100% SANDSTONE, MEDIUM GRAINED	GRADING TO, FINE GRAINED SANDSTONE, LIGHT GREY, UNWEATHERED, STRONG ROCK.
288.12	0.08	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, BANDS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
288.24	0.12	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
288.26	0.02	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, BANDS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
288.52	0.26	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
288.57	0.05	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, BANDS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
289.61	1.04	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS.
290.11	0.50	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS.
290.98	0.87	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
291.27	0.29	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, BANDS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
291.34	0.57	100		100% SANDSTONE, MEDIUM GRAINED	COALY, FRAGMENTS, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
291.87	0.03	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
291.93	0.06	100		100% COAL, DULL WITH NUMEROUS BRIGHT BANDS	UNWEATHERED.
291.98	0.05	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
292.01	0.03	100		100% COAL, DULL	UNWEATHERED.
292.16	0.15	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
292.24	0.08	100		100% CARBONACEOUS MUDSTONE	COALY, BANDS, BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
292.29	0.05	100		100% COAL, DULL	COARSE GRAINED, BANDS, UNWEATHERED.
292.31	0.02	100		100% CLAY	UNWEATHERED.
292.47	0.16	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
292.77	0.30	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
293.40	0.63	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, EXTREMELY CLOSELY SPACED JOINTS, TIGHT NON PLANAR, WITH SLICEN SIDES.
294.02	0.62	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
295.33	1.31	100		100% SANDSTONE, FINE GRAINED	MUDSTONE, BANDS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
295.41	0.08	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
295.88	0.47	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
297.51	1.63	100		95% SANDSTONE 5% MUDSTONE	MED.-FINE GRAINED, LIGHT GREY. GREY. UNWEATHERED, STRONG ROCK, MEDIUM BEDDED.
297.87	0.36	100		100% SANDSTONE	VERY FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK, LAMINATED.
303.60	5.73	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
304.97	1.37	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
305.06	0.09	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
305.18	0.12	100		50% SANDSTONE, MEDIUM GRAINED 50% SANDSTONE, FINE GRAINED	LIGHT GREY. GREY. UNWEATHERED, STRONG ROCK, VERY THINLY BEDDED.
307.06	1.88	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
307.86	0.80	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
308.20	0.34	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
310.99	2.79	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
317.87	6.88	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
319.97	2.10	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, WIDELY SPACED JOINTS, WITH SLICKENSIDES, TIGHT NON PLANAR.
320.55	0.58	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK, THICKLY LAMINATED, WITH CARBONACEOUS WISPS, WITH TROUGH CROSS BEDDING.
323.22	2.67	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
324.63	1.41	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
324.95	0.32	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY STRONG ROCK.
325.01	0.06	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, BLACK, UNWEATHERED, STRONG ROCK.
325.35	0.34	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY STRONG ROCK.
325.82	0.47	100		100% SANDSTONE	MED.-FINE GRAINED, CARBONACEOUS, BLACK, UNWEATHERED, STRONG ROCK.
326.59	0.77	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY STRONG ROCK, JOINTS DIP 70 DEG., TIGHT, PLANAR, SMOOTH DISCONTINUITIES, WITH SLICKENSIDES.
327.12	0.53	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, LENSES, LIGHT GREY, UNWEATHERED, STRONG ROCK.
327.27	0.15	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, BLACK, UNWEATHERED, STRONG ROCK.
327.50	0.23	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
328.58	1.08	100		100% SANDSTONE	VERY FINE GRAINED, GREY, UNWEATHERED, MODERATELY STRONG ROCK, LAMINATED.
328.60	0.02	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, WEAK ROCK.
328.83	0.23	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
328.90	0.07	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
329.11	0.21	100		100% COAL, HEAVY DULL	UNWEATHERED.
329.16	0.05	100		100% MUDSTONE	BROWN, UNWEATHERED, WEAK ROCK.
329.33	0.17	100		100% COAL, HEAVY DULL	UNWEATHERED.
329.76	0.43	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
330.81	1.05	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS.
331.07	0.26	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
331.16	0.09	100		100% CARBONACEOUS MUDSTONE	BLACK, WITH LENSES OF CALCITE, UNWEATHERED, MODERATELY WEAK ROCK.
331.17	0.01	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, WEAK ROCK.
331.27	0.10	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
331.98	0.71	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, MODERATELY STRONG ROCK, WITH CARBONACEOUS WISPS.
332.27	0.29	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
332.28	0.01	100		100% COAL, BRIGHT WITH NUMEROUS DULL BANDS	UNWEATHERED.
332.31	0.03	100		100% MUDSTONE	LIGHT BROWN, WITH BANDS OF CALCITE, UNWEATHERED, MODERATELY WEAK ROCK.
333.30	0.99	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, MODERATELY STRONG ROCK, LAMINATED.
334.22	0.92	100		100% SANDSTONE	MED.-FINE GRAINED, GREY, UNWEATHERED, STRONG ROCK, LAMINATED.
335.53	1.31	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED.
TOP OF DALMAYNE E2 : 47.17 M R.L.					
335.77	0.24	100		100% COAL, HEAVY DULL	UNWEATHERED.
336.37	0.60	100		100% COAL, DULL	UNWEATHERED.
336.39	0.02	100		100% SANDSTONE, FINE GRAINED	LIGHT BROWN, UNWEATHERED, STRONG ROCK.
336.41	0.02	100		100% COAL, HEAVY DULL	UNWEATHERED.
336.42	0.01	100		100% SANDSTONE, FINE GRAINED	LIGHT BROWN, UNWEATHERED, STRONG ROCK.
336.50	0.08	100		100% COAL, DULL	UNWEATHERED.
BASE OF DALMAYNE E2 : THICKNESS= 0.97 M; SAMPLED THICKNESS= 0.00 M					
337.10	0.60	100		100% SANDSTONE	MED.-FINE GRAINED, GREY-BROWN, UNWEATHERED, STRONG ROCK.
337.34	0.24	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
337.44	0.10	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
337.83	0.39	100		100% CARBONACEOUS MUDSTONE	MUDSTONE, LENSES, BLACK, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
340.87	3.04	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK, LAMINATED.
341.60	0.73	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
341.63	0.03	100		100% COAL, DULL	UNWEATHERED.
342.46	0.83	100		100% SANDSTONE, FINE GRAINED	GREY-BROWN, UNWEATHERED, STRONG ROCK, LAMINATED.
343.48	1.02	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS, WITH POOR SORTING.
344.05	0.57	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
344.06	0.01	100		100% CLAY	KAOLINITIC, DARK BROWN, UNWEATHERED, VERY WEAK ROCK, SLOW SLAXING, NON STICKY.
344.21	0.15	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY STRONG ROCK.
344.34	0.13	100		100% MUDSTONE	ARGILLACEOUS, LENSES, GREY, UNWEATHERED, MODERATELY WEAK ROCK.
344.88	0.54	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
344.93	0.05	100		100% COAL, DULL	UNWEATHERED, TIGHT NON PLANAR, WITH SLICKENSIDES.
347.74	2.81	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, VERY CLOSELY SPACED JOINTS, WITH SLICKENSIDES, TIGHT, PLANAR, SMOOTH DISCONTINUITIES.
347.81	0.07	100		100% COAL, INTERBANDS DULL AND BRIGHT	UNWEATHERED.
347.97	0.16	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY STRONG ROCK.
350.39	2.42	100		75% SANDSTONE, MEDIUM GRAINED 25% CARBONACEOUS MUDSTONE	CARBONACEOUS, BLACK. BLACK. UNWEATHERED, STRONG ROCK.
350.75	0.36	100		100% SANDSTONE, COARSE GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH POOR SORTING.
351.35	0.60	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, LAMINATED.
351.79	0.44	100		100% CARBONACEOUS MUDSTONE	COALY, LENSES, BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
352.13	0.34	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, BLACK, UNWEATHERED, MODERATELY STRONG ROCK.
360.07	7.94	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
360.35	0.28	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH POOR SORTING.
360.64	0.29	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
361.15	0.51	100		70% SANDSTONE, MEDIUM GRAINED 30% MUDSTONE	LIGHT GREY. PEBBLY, GREY. UNWEATHERED, STRONG ROCK.
362.52	1.37	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
362.93	0.41	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
363.44	0.51	100		100% SANDSTONE	MED.-FINE GRAINED, CARBONACEOUS, BLACK, UNWEATHERED, STRONG ROCK.
363.90	0.46	100		50% SANDSTONE, MEDIUM GRAINED 50% SANDSTONE	LIGHT GREY. MED.-FINE GRAINED, CARBONACEOUS, BLACK. UNWEATHERED, STRONG ROCK, THICKLY LAMINATED.
364.18	0.28	100		100% SANDSTONE	VERY FINE GRAINED, GREY, UNWEATHERED, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
365.49	1.31	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
366.42	0.93	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
366.65	0.23	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, MODERATELY STRONG ROCK.
366.71	0.06	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
366.73	0.02	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
367.06	0.33	100		100% SANDSTONE	VERY FINE GRAINED, GREY, UNWEATHERED, MODERATELY STRONG ROCK.
367.29	0.23	100		100% MUDSTONE	CARBONACEOUS, BANDS, DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
367.66	0.37	100		60% SANDSTONE, FINE GRAINED 40% SANDSTONE, MEDIUM GRAINED	GREY. LIGHT GREY. UNWEATHERED, STRONG ROCK, VERY THINLY BEDDED, WITH DISTURBED BEDDING.
367.86	0.20	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
368.33	0.47	100		90% SANDSTONE 10% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY. VERY FINE GRAINED, GREY. UNWEATHERED, STRONG ROCK, WITH TROUGH CROSS BEDDING.
368.97	0.64	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
369.11	0.14	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
369.15	0.04	100		100% SANDSTONE, FINE GRAINED	POORLY SORTED, DARK GREY, UNWEATHERED, STRONG ROCK.
369.44	0.29	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
369.91	0.47	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
370.01	0.10	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
370.80	0.79	100		90% SANDSTONE 10% SANDSTONE, FINE GRAINED	MED.-FINE GRAINED, GREY. LENSES, GREY. UNWEATHERED, MODERATELY STRONG ROCK.
372.13	1.33	100		100% SANDSTONE	VERY FINE GRAINED, GREY, UNWEATHERED, MODERATELY STRONG ROCK, WITH PLANT REMAINS.
372.41	0.28	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
372.65	0.24	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
372.66	0.01	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
373.16	0.50	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
373.22	0.06	100		100% SANDSTONE, FINE GRAINED	CARBONACEOUS, BLACK, UNWEATHERED, STRONG ROCK.
373.25	0.03	100		100% COAL, DULL WITH FEW BRIGHT BANDS	

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
373.28	0.03	100		100% MUDSTONE	COALY, TRACES, LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
373.33	0.05	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
373.38	0.05	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
373.39	0.01	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
373.44	0.05	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
373.55	0.11	100		90% SANDSTONE 10% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY. VERY FINE GRAINED, LENSES, GREY. UNWEATHERED, STRONG ROCK.
373.81	0.26	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
374.16	0.35	100		100% MUDSTONE	FINE GRAINED SANDSTONE, LENSES, GREY, UNWEATHERED, MODERATELY WEAK ROCK.
374.18	0.02	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
374.26	0.08	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
374.52	0.26	100		45% MUDSTONE 30% MUDSTONE 25% SANDSTONE	DARK GREY. DARK GREY. VERY FINE GRAINED, DARK BROWN. UNWEATHERED, MODERATELY STRONG ROCK, THICKLY LAMINATED.
374.67	0.15	100		100% MUDSTONE	GRADING TO, FINE GRAINED SANDSTONE, DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
375.52	0.85	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, MODERATELY STRONG ROCK.
376.02	0.50	100		100% SANDSTONE	VERY FINE GRAINED, GREY, UNWEATHERED, MODERATELY STRONG ROCK.
376.34	0.32	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
376.36	0.02	100		100% MUDSTONE	KAOLINITIC, LIGHT BROWN, UNWEATHERED, WEAK ROCK.
376.41	0.05	100		100% CARBONACEOUS MUDSTONE	COALY, FRAGMENTS, BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
376.52	0.11	100		100% CLAYSTONE	LIGHT BROWN, UNWEATHERED, WEAK ROCK, WITH PLANT REMAINS.
376.80	0.28	100		100% SANDSTONE	VERY FINE GRAINED, GREY, UNWEATHERED, MODERATELY STRONG ROCK.
377.02	0.22	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK, VERY THINLY BEDDED.
377.20	0.18	100		100% SANDSTONE	VERY FINE GRAINED, DARK GREY, UNWEATHERED, STRONG ROCK.
379.19	1.99	100		50% SANDSTONE 50% SANDSTONE, FINE GRAINED	VERY FINE GRAINED, DARK GREY. MEDIUM GRAINED, BANDS, LIGHT GREY. UNWEATHERED, STRONG ROCK, VERY THINLY BEDDED.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
379.57	0.38	100		100% SANDSTONE	VERY FINE GRAINED, CARBONACEOUS, BLACK, UNWEATHERED, MODERATELY STRONG ROCK.
380.16	0.59	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS.
381.39	1.23	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK, THICKLY LAMINATED.
381.50	0.11	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
381.54	0.04	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
386.77	5.23	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, WITH GRANULAR CALCITE, UNWEATHERED, STRONG ROCK.
387.06	0.29	100		100% SANDSTONE, MEDIUM GRAINED	CONGLOMERATIC, LIGHT GREY, UNWEATHERED, STRONG ROCK.
387.31	0.25	100		100% SANDSTONE, FINE GRAINED	GRADING TO, VERY FINE GRAINED, GREY, UNWEATHERED, STRONG ROCK.
387.47	0.16	100		100% SANDSTONE	VERY FINE GRAINED, DARK GREY, UNWEATHERED, MODERATELY STRONG ROCK.
387.69	0.22	100		100% SANDSTONE, MEDIUM GRAINED	FINE GRAINED SANDSTONE, LENSES, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH DISTURBED BEDDING.
388.09	0.40	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
388.71	0.62	100		100% SANDSTONE, FINE GRAINED	MEDIUM GRAINED, LENSES, DARK GREY, UNWEATHERED, STRONG ROCK.
389.10	0.39	100		100% SANDSTONE, FINE GRAINED	MUDSTONE, LENSES, LIGHT GREY, UNWEATHERED, STRONG ROCK.
389.79	0.69	100		100% SANDSTONE	VERY FINE GRAINED, GREY, UNWEATHERED, MODERATELY STRONG ROCK, WITH PLANT REMAINS.
390.32	0.53	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
390.41	0.09	100		100% SANDSTONE, COARSE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
390.56	0.15	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
390.61	0.05	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
390.71	0.10	100		100% SANDSTONE, FINE GRAINED	MEDIUM GRAINED, LENSES, GREY, UNWEATHERED, STRONG ROCK, LAMINATED.
390.99	0.28	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
391.41	0.42	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK, VERY THINLY BEDDED.
391.44	0.03	100		100% SANDSTONE, COARSE GRAINED	LIGHT GREY, WITH ANGULAR QUARTZ, UNWEATHERED, STRONG ROCK.
391.53	0.09	100		100% SANDSTONE	MED.-FINE GRAINED, CARBONACEOUS, BLACK, UNWEATHERED, STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
391.62	0.09	100		100% CARBONACEOUS MUDSTONE	COALY, BANDS, BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
391.66	0.04	100		100% SANDSTONE, FINE GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK.
391.70	0.04	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
391.77	0.07	100		100% COAL, DULL	UNWEATHERED.
391.80	0.03	100		100% SANDSTONE	MED. FINE GRAINED, DARK GREY, UNWEATHERED, STRONG ROCK.
392.06	0.26	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
392.10	0.04	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
392.16	0.06	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
392.25	0.09	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
392.52	0.27	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, MODERATELY STRONG ROCK.
392.60	0.08	100		100% MUDSTONE	COALY, LENSES, DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
392.80	0.20	100		100% SANDSTONE	VERY FINE GRAINED, GREY, UNWEATHERED, MODERATELY STRONG ROCK.
392.85	0.05	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
392.89	0.04	100		100% COAL, DULL	UNWEATHERED.
392.97	0.08	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
393.04	0.07	100		100% SANDSTONE	VERY COARSE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
393.20	0.16	100		100% SANDSTONE, MEDIUM GRAINED	CARBONACEOUS, POORLY SORTED, DARK GREY, UNWEATHERED, STRONG ROCK.
393.54	0.34	100		100% SANDSTONE	VERY COARSE GRAINED, POORLY SORTED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
393.67	0.13	100		100% SANDSTONE, FINE GRAINED	MUDSTONE, BANDS, GREY, UNWEATHERED, STRONG ROCK.
393.69	0.02	100		100% MUDSTONE	BROWN, UNWEATHERED, WEAK ROCK.
393.85	0.16	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, MODERATELY STRONG ROCK.
393.93	0.08	100		100% MUDSTONE	BROWN, UNWEATHERED, WEAK ROCK.
393.97	0.04	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
394.00	0.03	100		100% MUDSTONE	BROWN, UNWEATHERED, MODERATELY WEAK ROCK.
394.31	0.31	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
394.54	0.23	100		100% SANDSTONE, MEDIUM GRAINED	FINE GRAINED SANDSTONE, BANDS, BUFF, UNWEATHERED, STRONG ROCK.
394.71	0.17	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
394.72	0.01	100		100% MUDSTONE	BROWN, UNWEATHERED, WEAK ROCK.
394.83	0.11	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
395.17	0.34	100		100% SANDSTONE, FINE GRAINED	MUDSTONE, BANDS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
395.21	0.04	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, WEAK ROCK.
395.28	0.07	100		100% MUDSTONE	FINE GRAINED SANDSTONE, BANDS, LIGHT GREY, UNWEATHERED, MODERATELY WEAK ROCK.
395.30	0.02	100		100% MUDSTONE	LIGHT BROWN, UNWEATHERED, WEAK ROCK.
395.74	0.44	100		100% SANDSTONE, FINE GRAINED	MUDSTONE, BANDS, LIGHT GREY, UNWEATHERED, STRONG ROCK.
396.15	0.41	100		100% MUDSTONE	FINE GRAINED SANDSTONE, LENSES, DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
396.17	0.02	100		100% COAL, DULL	UNWEATHERED.
396.22	0.05	100		100% SANDSTONE, FINE GRAINED	DARK BROWN, UNWEATHERED, STRONG ROCK.
396.33	0.11	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
397.12	0.79	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
397.24	0.12	100		100% SANDSTONE	MED.-FINE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
397.39	0.15	100		100% SANDSTONE, FINE GRAINED	MEDIUM GRAINED, LENSES, GREY, UNWEATHERED, STRONG ROCK.
397.68	0.29	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS.
398.18	0.50	100		100% SANDSTONE, COARSE GRAINED	CREAM, UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS.
398.21	0.03	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK, WITH BURROWING.
398.27	0.06	100		100% MUDSTONE	COALY, FRAGMENTS, BROWN, UNWEATHERED, MODERATELY WEAK ROCK, WITH PLANT REMAINS.
398.28	0.01	100		100% COAL, DULL	UNWEATHERED.
399.05	0.77	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
399.15	0.10	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, VERY STRONG ROCK, WITH PLANT REMAINS.
399.39	0.24	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
399.40	0.01	100		100% COAL, DULL	UNWEATHERED.
399.41	0.01	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
399.49	0.08	100		100% COAL, DULL WITH FEW BRIGHT BANDS	UNWEATHERED.
399.72	0.23	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.

DEPTH TO BASE M	THICKNESS M	REC %	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
399.94	0.22	100		100% SANDSTONE, FINE GRAINED	MUDSTONE, BANDS, GREY, UNWEATHERED, STRONG ROCK.
400.13	0.19	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY STRONG ROCK.
400.51	0.38	100		100% SANDSTONE	MED.-COARSE GRAINED, CREAM, UNWEATHERED, MODERATELY WEAK ROCK.
400.57	0.06	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
400.67	0.10	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
400.80	0.13	0		CORE LOSS	
400.89	0.09	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
400.91	0.02	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
400.93	0.02	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
400.95	0.02	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
401.04	0.09	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
401.07	0.03	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
401.50	0.43	100		100% MUDSTONE	GREY, UNWEATHERED, MODERATELY WEAK ROCK.
401.98	0.48	100		100% MUDSTONE	MEDIUM GRAINED, BANDS, GREY, UNWEATHERED, MODERATELY WEAK ROCK.
402.07	0.09	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
402.12	0.05	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
402.68	0.56	100		100% SANDSTONE, FINE GRAINED	GRADING TO, MEDIUM GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK, LAMINATED.
402.99	0.31	100		100% MUDSTONE	DARK GREY, UNWEATHERED, MODERATELY WEAK ROCK.
403.49	0.50	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK, WITH CARBONACEOUS WISPS.
403.92	0.43	100		95% SANDSTONE 5% COAL	VERY FINE GRAINED, DARK GREY. LENSES. UNWEATHERED, MODERATELY STRONG ROCK.
404.02	0.10	100		100% SANDSTONE	MED.-FINE GRAINED, POORLY SORTED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
404.70	0.68	100		100% SANDSTONE, COARSE GRAINED	LIGHT GREY, UNWEATHERED, STRONG ROCK, THINLY BEDDED.
405.59	0.89	100		100% SANDSTONE	VERY FINE GRAINED, DARK GREY, UNWEATHERED, STRONG ROCK, WITH PLANT REMAINS.
405.67	0.08	100		100% SANDSTONE, MEDIUM GRAINED	LIGHT GREY, UNWEATHERED, VERY STRONG ROCK.
408.44	2.77	100		100% SANDSTONE	VERY FINE GRAINED, DARK GREY, WITH PEBBLY QUARTZ, UNWEATHERED, STRONG ROCK, WITH PLANT REMAINS.
414.57	6.13	100		100% SANDSTONE	VERY FINE GRAINED, DARK GREY, UNWEATHERED, STRONG ROCK.

DEPTH TO BASE M	THICKNESS M	REC X	SAMPLE NUMBER	ROCK TYPE	GEOLOGICAL DESCRIPTION
*** CORE DESCRIPTION ***					
414.59	0.02	100		100% CARBONACEOUS MUDSTONE	BLACK, UNWEATHERED, MODERATELY WEAK ROCK.
414.78	0.19	100		100% SANDSTONE	VERY FINE GRAINED, DARK GREY, UNWEATHERED, STRONG ROCK.
415.21	0.43	100		100% SANDSTONE, FINE GRAINED	GREY, UNWEATHERED, STRONG ROCK.
415.80	0.59	100		100% SANDSTONE	MED.-FINE GRAINED, QUARTZOSE, LIGHT GREY, UNWEATHERED, STRONG ROCK.
416.23	0.43	100		100% SANDSTONE, MEDIUM GRAINED	QUARTZOSE, POORLY SORTED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
416.34	0.11	100		100% SANDSTONE, FINE GRAINED	QUARTZOSE, LIGHT GREY, UNWEATHERED, STRONG ROCK.
416.47	0.13	100		100% SANDSTONE, MEDIUM GRAINED	QUARTZOSE, PEBBLY, LIGHT GREY, UNWEATHERED, STRONG ROCK.
419.67	3.20	100		100% SANDSTONE	VERY FINE GRAINED, GREY, WITH PEBBLY QUARTZ, UNWEATHERED, STRONG ROCK.
420.28	0.61	100		100% SANDSTONE	MED.-COARSE GRAINED, PEBBLY, LIGHT GREY, WITH PEBBLY QUARTZ, UNWEATHERED, STRONG ROCK.
421.18	0.90	100		100% SANDSTONE	MED.-COARSE GRAINED, LIGHT GREY, UNWEATHERED, STRONG ROCK.
421.48	0.30	100		100% SANDSTONE, FINE GRAINED	QUARTZOSE, LIGHT GREY, UNWEATHERED, STRONG ROCK.
421.64	0.16	100		100% SANDSTONE	VERY FINE GRAINED, PEBBLY, GREY, UNWEATHERED, STRONG ROCK, WITH BURROWING.
430.80	9.16	100		100% SANDSTONE	VERY FINE GRAINED, GREY, WITH PEBBLY QUARTZ, UNWEATHERED, VERY STRONG ROCK.