UNITY MINING LTD

Graphical Drill Hole Log

Hole No.	RHD29		
Project :	EL 8/2009	East :	382415.6
Prospect :	Red Hills	North :	5365301.6
Grid :		RL :	827.3
		Proj.	GDA94

Azimuth : 114.6 (MGA94)
Declination : -57.1 degrees
Total Depth : 253.7m (to be confirmed)
Collar surveyed by TriTech Professional Services (21/03/2011)

Logged by DAE
Drilled by BLY
Drill type LF90 DD
Drill Date 08/03/2011 – 21/03/2011

Massive
Pervasive
Disseminated
Narrow vein

0.062 1/4 1 4 16 64 mm

From	To	Colour Weathering	Structure type	Structure type cont.	Angle CA	Graphic structure	Log grainsize	Description	Alteration: Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralization: Mineralisation Assemblage	%	Veining	Disseminations	Pervasive
		CO BROKEN AT CONTACT	BOCO=0.7m LOSS					0.7m CORE LOSS ZONE : SURFICIAL CLAY ; TOTAL CORE LOSS.								DEPTH OF CONTACT UNCERTAIN.				
0	1	PO						CVC OXIDISED WEATHERED, FOLIATED DACITIC VOLCANICLASTIC OR LAVA : PARTIALLY OXIDISED, MODERATELY TO STRONGLY WEATHERED, LOCALLY TENDING TO FRESH, RELATIVELY SOFT, WEAKLY FOLIATED, LIGHT TO MID YELLOW, BROWN, GREY-GREEN, COARSE-GRAINED, FELDSPAR-PHYRIC VOLCANICLASTIC SANDSTONE. POSSIBLY A LAVA, OR WITH INTERMIXED THIN FLOWS. STRONG PERVASIVE SERICITE ALTERATION, WITH FE OXIDE STAINED CLAY OXIDATION COMMON IN PATCHES, GRADUALLY DECREASING.								MINOR 3-5% PYRITE AS FINE SPECKS, STRINGERS AND AGGREGATES; COMMON FE OXIDES AS STAINING.			
1	2																			
2	3																			
3	4	GENERALLY WEAKLY FOLIATED; TEXTURES OVERPRINTED BY OXIDATION. IRREGULAR WEAK FOLIATION																		
4	5																			
5	6																			
6	7																			
7	8	32° VERY COARSE FRAGMENTAL TEXTURE; ?PSEUDO-BRECCIA.						8.1-9.5m RELATIVELY FRESH, HARD, STREAKED WEAKLY FOLIATED, LIGHT GREY, GREEN-GREY VERY COARSE-GRAINED, VOLCANICLASTIC BRECCIA.													
8	9																			
9	10							9.5m PATCHY STRONG OXIDATION, TENDING TO CLAYEY, WITH FE OXIDES STAINING.								BROWN FE OXIDES AS COATINGS ON FRACTURES, IN VUGHS AND REPLACING.			
10	11							MINOR THIN SILTY BANDS, INTERBEDS.												
11	12							BECOMING BROKEN NEAR CONTACT; MINOR QUARTZ VEINS. 12.7m CONTACT NOT RECOVERED.												
12	13	CO	LOSS					CORE LOSS ZONE : 0.7m TOTAL CORE LOSS RECORDED, 13.4m CONTACT NOT RECOVERED.												
13	14	CRYSTALLINE. BROKEN AT CONTACT						QUARTZ VEIN : PARTIALLY OXIDISED VUGHY WHITE 14.2m QUARTZ VEIN WITH CHLORITE INCLUSIONS.							80%	NO SULPHIDE MINERALIZATION.				
14	15	PO TENDING TO CLAYEY.						CVC PARTIALLY OXIDISED, WEATHERED, FOLIATED, DACITIC VOLCANICLASTIC SANDSTONE :								SPARSE PY, AS SPECKS.				
15	16	16.8m WEAK TO MODERATE FOLIATION 22°						PARTIALLY OXIDISED, MODERATELY TO WEAKLY WEATHERED, LOCALLY FRESH, INITIALLY SOFT, BECOMING HARD, LIGHT WHITE-CREAM, LIGHT TO MID GREY, GREEN-GREY, COARSE TO VERY COARSE-GRAINED, FELDSPAR-PHYRIC VOLCANICLASTIC. STRONG PERVASIVE SERICITE ALTERATION OF MATRIX, SUPPORTING WEAKLY ALTERED FELDSPAR CLASTS.								FE OXIDES AFTER PYRITE.				
16	17																			
17	18																			
18	19	MICRO-FRACTURED.														MINOR TO COMMON PY, 5-7% AS VEINLETS, STRINGERS AND CLUSTERS.				
19	20																			
20	21																			
21	22	PO BLACK SHALE BAND FLAMMATE CONTACT 37°						BROKEN ON INTERNAL CONTACT OF THIN SHALE BED, CLAYEY ON CONTACT, POSSIBLY A THIN SHEAR. 22.5m CLAYEY, BROKEN, BECOMING SERICITIC.													
22	23	PO THIN GREY SILICEOUS ?ASHY BAND 24.2						CVC BLACK CARBONACEOUS SHALE : PARTIALLY OXIDISED TO FRESH, MODERATELY HARD, JOINTED, IN PLACES FRAGMENTED, BLOCKY TO SOLID, LAMINAR, MASSIVE, VEINED, DARKEST BLACK, VERY FINE-GRAINED CARBONACEOUS SHALE.								MINOR TO LOCALLY COMMON PYRITE AS DISSEMINATIONS, AGGREGATES AND VEINLETS.				
23	24																			
24	25	CORE LOSS 25.0																		
25	26																			
26	27							SHARP IRREGULAR INTERNAL CONTACT. 27.3m												
27	28	29.2m FINE SCALE 1-2mm BEDDING → 22°						FRESH TO PARTIALLY OXIDISED, MODERATELY HARD, MASSIVE TO LAMINAR, DARK GREY, BLACK-GREY, FINE-GRAINED SILTSTONE; SOME BLACK SHALE LAMINATIONS; PYRITIC.								ORANGE-BROWN FE OXIDES AS COATINGS ON JOINTS.				
28	29																			
29	30	PO																		

UNITY MINING LTD

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Hole No.	RHD29	East :	382415 6
Project :	EL 8/2009	North :	5365301 6
Prospect :	Red Hills	RL :	827 3
Grid :		Proj.	GDA94

Azimuth : 114 6 (MGA94)
Declination : -57 1 degrees
Total Depth : 253 7m (to be confirmed)
Collar surveyed by TriTech Professional Services (21/03/2011)

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21/03/2011

Massive
Pervasive
Disseminated
Narrow vein

0.062 1.4 1 4 16 64 mm

From	To	Contour/ Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log grainsize	Description	Alteration: Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralization: Mineralisation Assemblage	%	Veining	Disseminations	Pervasive
								CONTINUED FROM 22.5m												
30	31							CVC BLACK CARBONACEOUS SHALE/SILTSTONE: PARTIALLY OXIDISED TO FRESH, MODERATELY HARD, IN PLACES BLOCKY, BROKEN, MASSIVE TO LAMINAR, VEINED, DARKEST BLACK-GREY TO BLACK, FINE-GRAINED CARBONACEOUS SILTSTONE TO SHALE. MINOR ORANGE OCHREOUS Fe OXIDES AS THIN COATINGS ON JOINTS AND FRACTURES. SPARSE CREAM CARBONATE AS STRINGERS AND VEINLETS. FRESH ROCK FROM 35.55m. VERY BROKEN TO FRAGMENTED IN PATCHES.								COMMON 10-15% PYRITE AS DISSEMINATIONS, STRINGERS AND IRREGULAR BANDS.				
31	32																			
32	33																			
33	34																			
34	35																			
35	36																			
36	37																			
37	38																			
38	39																			
39	40							GRADATIONAL FROM DARKEST GREY FINE-GRAINED SILTSTONE TO LAMINAR BLACK SHALE.													
40	41																COMMON PYRITE, TRACE SPHALERITE, PYRITE AS BLEBS, AGGREGATES AND VEINLETS.				
41	42							42.4m WELL BEDDED, 2-5mm BEDDING LAMINAE, GRADED BEDDING; FACING UP HOLE. BLOCKY, BROKEN CORE FROM 43.6m.													
42	43																			
43	44							BECOMING FINER GRAINED, BLACK, CARBONACEOUS SHALE.													
44	45							44.8m BROKEN, BLOCKY CORE AT CONTACT.													
CORE LOSS ZONE					45°	FAULT		FAULT: GREY PUGGY CLAY/ROCK FLOUR CONTACT NOT RECOVERED.													
45	46							45.3m CVC BLACK CARBONACEOUS SHALE/ SILTSTONE: PARTIALLY OXIDISED TO FRESH, MODERATELY HARD, BLOCKY, JOINTED, VERY BROKEN, MASSIVE TO LAMINAR, DARKEST GREY, BLACK-GREY, FINE TO VERY FINE-GRAINED, CARBONACEOUS SHALE TO SILTSTONE. MINOR ORANGE-BROWN Fe OXIDES AS THIN COATINGS ON JOINTS AND FRACTURES, LOCALLY IN VUGHS, TO 49.3m, THEN FRESH ROCK. VERY BROKEN TO FRAGMENTED CORE IN PLACES.								SPARSE TO MINOR Py. AS VEINS, FINE FLECKS AND THIN BANDS ALONG BEDDING				
46	47																			
47	48																			
48	49																			
49	50																			
50	51																			
51	52																			
52	53																			
53	54																			
54	55							TENDING TO LEACHED, WITH VUGHY QUARTZ + PYRITE AS LENTICULAR VEINS PARALLEL TO BEDDING.													
55	56																			
56	57																			
57	58							VERY BROKEN, JOINTED BLOCKY, LAMINAR, DARKEST BLACK, VERY FINE-GRAINED, CARBONACEOUS SHALE.													
58	59																			
59	60							59.3m DARK GREY PUGGY CLAY IN BROKEN 59.6m CORE ZONE.									MINOR Py. AS DISSEMINATIONS, FLECKS, SOME THIN BANDS				

Po
GREY SILICA ?NODULES, WITH PYRITE.
Bo Po → 35.55m
FR IRREGULAR 1-2mm BANDING, WITH PYRITE.
MASSIVE, FINE-GRAINED SILTY.
42.4m FINE BEDDING → 50°
Po
FR 50.1m BEDDING → 58°
50.7m THIN 1cm SILICEOUS BANDS
54.2m FINE SCALE <1mm BEDDING → 42°
FAULT BEDDING → 50°

UNITY MINING LTD

Hole No.	RHD29		Graphical Drill Hole Log	Logged by	DAE
Project :	EL 8/2009	East :	382415 6	Azimuth :	114 6 (MGA94)
Prospect :	Red Hills	North :	5365301 6	Declination :	-57 1 degrees
Grid :		RL :	827 3	Total Depth :	253 7m (to be confirmed)
		Proj.	GDA94	Collar surveyed by TriTech Professional Services (21/03/2011)	
				Drilled by	BLY
				Drill type	LF90 DD
				Drill Date	08/03/2011 – 21/03/2011

Massive · Pervasive · Disseminated · Narrow vein

0.062 1.4 1 4 16 64 mm

From	To	Colour/ Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log grainsize	Description	Alteration: Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralization: Mineralisation Assemblage	%	Veinlets	Disseminations Pervasive
								CONTINUED FROM 45.3m.											
60	61	FR VERY BROKEN TO FRAGMENTED CORE.						CVC BLACK CARBONACEOUS SHALE/SILTSTONE: FRESH, MODERATELY HARD, BROKEN, BLOCKY, IN PLACES FRAGMENTED, LAMINAR, DARKEST BLACK, GREY-BLACK, VERY FINE-GRAINED, CARBONACEOUS SHALE TO SILTSTONE.								SPARSE TO MINOR PY, AS FINE SPECKS, RARE VEINLETS,			
61	62																		
62	63	60.8m FINE <1mm						VERY BROKEN, JOINTED TO FRAGMENTED CORE.											
63	64	BEDDING 48°																	
64	65																		
65	66	↑ PO						SPARSE BROWN Fe OXIDES AS THIN COATINGS ON JOINT SURFACES AND IN FRACTURES.											
66	67	↓ FR																	
67	68	INTERNAL CONTACT (BEDDING) 52°						THIN INTERBED OF WEAKLY FOLIATED, CREAM, MEDIUM-GRAINED FELDSPAR-PHYRIC SANDSTONE. CORE BECOMING MORE SOLID, INTACT.								MINOR TO COMMON PYRITE AS FINE FLECKS, ULTRA FINE BANDS ALONG BEDDING			
68	69																		
69	70							THIN SHINY GRAPHITIC COATINGS ON JOINT SURFACES.											
70	71																		
71	72	72.05m 5mm BEDDING → 45°						RARE THIN 5-15mm GREY SILTSTONE TO FINE SANDSTONE LAMINAE.											
72	73	(SILTY LAMINAE)																	
73	74	74.15m 1-2mm						SPARSE CREAM CARBONATE AS LENTICULAR AGGREGATES/INTERGROWTHS, PUSHING APART BEDDING.											
74	75	FINE SCALE BEDDING → 40°																	
75	76							TENDING TO DARK GREY, MASSIVE TO LAMINATED, FINE-GRAINED SILTSTONE.											
76	77																		
77	78																		
78	79																		
79	80																		
80	81	81.5m VERY FINE SCALE 1mm																	
81	82	BEDDING → 45°						BECOMING VERY FINE-GRAINED, BLACK, CARBONACEOUS SHALE DOMINANT.											
82	83																		
83	84							TRACE ORANGE-BROWN Fe OXIDES AS THIN COATINGS ON FRACTURE PLANES.											
84	85																		
85	86															SPARSE TO MINOR PYRITE AS FLECKS, AGGREGATES			
86	87	BEDDED CONTACT → 35°						87.3m SHARP IRREGULAR CONTACT.											
87	88	FR IRREGULAR STREAKY FOLIATION → 30°						CVC SERICITISED PYRITIC, DACITIC VOLCANICLASTIC SANDSTONE / POSSIBLE IGNIMBRITE: FRESH, HARD TO VERY HARD, STREAKED, IRREGULARLY BANDED, MID GREY-CREAM, GREEN-GREY, MEDIUM TO COARSE-GRAINED, DACITIC FELDSPAR-PHYRIC, VOLCANICLASTIC, WITH POSSIBLE THIN DACITE FLOWS.								COMMON 15-20% PY, AS LENTICULAR AGGREGATES DISSEMINATIONS. TRACE SPHALERITE.			
88	89																		
89	90																		

* SPLIT/SAMPLE

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Hole No. RHD29 | Project: EL 8/2009 | Prospect: Red Hills | Grid: | East: 382415 6 | North: 5365301 6 | RL: 827 3 | Proj. GDA94

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								CONTINUED FROM 87.3m												
90	91	FR ? PUMICEOUS WEAK TO MODERATELY						CVC SERICITISED, PYRITIC, DACITIC VOLCANICLASTIC SANDSTONE / POSSIBLE IGNIMBRITE: FRESH, HARD TO VERY HARD, STREAKED, IRREGULARLY BANDED, WEAKLY TO MODERATELY FOLIATED, MOTTLED MID GREY-GREEN, CREAM-GREY, LIGHT GREY, MEDIUM TO VERY COARSE-GRAINED DACITIC VOLCANICLASTIC, WITH MINOR DACITIC FLOWS OR POSSIBLE IGNIMBRITE. FELDSPAR-PHYRIC. MODERATELY SERICITE ALTERED, IRREGULAR BANDS OF LIGHT GREY ULTRA FINE-GRAINED SILICA ALSO AS THIN LENTICULAR STREAKS, PROBABLY ALTERATION. 97-35m SHARP IRREGULAR CONTACT.								DECREASING SPARSE TO TRACE PY.				
91	92	FOLIATED, STREAKED → 33°																		
92	93																			
93	94																			
94	95																			
95	96	95.85m 2cm QUARTZ+FELDSPAR																		
96	97	VEIN → 55°														RARE TRACE SPHALERITE IN CARBONATE VEINS				
97	98	FR						CVC DACITIC VOLCANICLASTIC SANDSTONE: FRESH, HARD, VERY HARD, IN PLACES BROKEN, VEINED, MID CREAM, FINE TO MEDIUM-GRAINED, DACITIC TO RHYO-DACITIC, QUARTZ-RICH, VOLCANICLASTIC. MODERATELY SERICITE ALTERED GROUNDMASS. POSSIBLY THIN PUGGY SHEAR IN BROKEN CORE ZONE AT 99.4m, BECOMING INCREASINGLY SERICITISED FROM 101.3m. 103.1m SHARP IRREGULAR CONTACT												
98	99	BROKEN, TENDING TO LEACHED																		
99	100																			
100	101															TRACE PY, AS SPECKS, SMALL BLEBS.				
101	102																			
102	103																			
103	104	MICRO-FRACTURED, BROKEN.						VEIN/MACROVEIN: MICRO-FRACTURED QUARTZ+ 104.05m CARBONATE+ALBITE MACROVEIN.									MINOR COARSE GALENA+PYRITE				
104	105	FR 105.0-105.15m QUARTZ ± ALBITE VEIN,					QTZ	CVC WEAKLY SERICITISED, DACITIC VOLCANICLASTIC SANDSTONE: FRESH, HARD TO VERY HARD, VEINED, MASSIVE, MID CREAM, FAWN-CREAM, BECOMING GREEN-GREY, MEDIUM TO COARSE-GRAINED, QUARTZ-RICH, DACITIC TO RHYO-DACITIC, VOLCANICLASTIC. WEAK TO MODERATE SERICITE ALTERATION OF GROUNDMASS,												
105	106	CHLORITIC INCLUSIONS.																		
106	107																			
107	108																			
108	109	20cm 109.45																		
109	110	QUARTZ + CHLORITE MACROVEIN 70°					QTZ									109.45m TRACE 109.65m CPY. IN VEIN				
110	111							BECOMING COARSER GRAINED, GREEN-GREY, SERICITE ± CHLORITE ALTERED, WITH WHITE FELDSPAR AS SMALL CLASTS OR POSSIBLE OVERGROWTHS.												
111	112	WEAK STREAKY FOLIATION/BANDING																		
112	113	32°						MINOR CREAM CARBONATE AS STRINGERS AND LENTICULAR OVERGROWTHS, SOME WITH TRACES OF BROWN SPHALERITE.												
113	114																			
114	115						QTZ	115.05m 2cm QUARTZ FIBRE VEIN, WITH MINOR BROWN SPHALERITE AGGREGATES PARALLEL TO FIBRE GROWTH.									TRACE SPHALERITE IN QUARTZ VEINS				
115	116																			
116	117																			
117	118															TRACE PY, AS FINE SPECKS, DISSEMINATIONS & 8 cm QUARTZ + CHLORITE VEIN WITH SPHALERITE + GALENA.				
118	119	COARSE FRAGMENTAL						GRADATIONAL INTO WEAKLY FOLIATED, POORLY SORTED, VERY COARSE-GRAINED, FELDSPAR-RICH, DACITIC VOLCANICLASTIC BRECCIA.												
119	120	TEXTURE.																		

SPLIT/SAMPLE

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0.062 1.4 1 4 16 64 mm

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								CONTINUED FROM 104.05m												
120	121							CVC WEAKLY SERICITISED, DACITIC VOLCANICLASTIC SANDSTONE AND BRECCIA: HARD, TENDING VERY HARD, WEAKLY DEFORMED, LOCALLY FOLIATED, VERY COARSE FRAGMENTAL TEXTURED, MID GREEN-GREY, VERY COARSE-GRAINED, DACITIC VOLCANICLASTIC BRECCIA. SERICITISED GROUNDMASS. CARBONATE AS VEINS AND STRINGERS.								TRACE PY, AS FINE SPECKS.				
121	122																			
122	123																			
123	124	MINOR CORE LOSS			123.7 ? SHEAR			FRAGMENTED CORE, SOME FRIABLE CLAY; POSSIBLE PUGGY CLAY SHEAR/FAULT.								CLAY ALTERATION				
124	125				124.25			LIGHT TO MID GREY-CREAM, COARSE-GRAINED, FELDSPAR-RICH, SERICITISED, ASHY VOLCANICLASTIC SANDSTONE, GRADATIONAL DOWN HOLE INTO VERY COARSE-GRAINED, VOLCANICLASTIC BRECCIA.												
125	126	COARSE FRAGMENTAL TEXTURES.																		
126	127																			
127	128	DISTURBED, DISRUPTED IN PLACES.						MINOR CREAM-WHITE CARBONATE AS STRINGERS.												
128	129																			
129	130							RELATIVELY SOFT, WITH SERICITE + MINOR CHLORITE ALTERATION IN PATCHES.												
130	131																			
131	132							STRONG PERVASIVE SERICITE + MINOR CHLORITE + PATCHY SILICA ALTERATION. POORLY RESOLVED TEXTURES IN PLACES.												
132	133																			
133	134	VERY COARSE FRAGMENTAL						STRONGLY REWORKED, VERY COARSE-GRAINED, VOLCANOMICT BRECCIA NEAR CONTACT.								SPARSE PYRITE AS SPECKS; TRACE CPY.				
134	135	TEXTURES.						135.2m DIFFUSE IRREGULAR CONTACT.												
135	136							CVC SERICITE + SILICA ALTERED, DACITIC LAVA OR POSSIBLE VOLCANICLASTIC: HARD IN PATCHES SILICEOUS, STREAKED, DISRUPTED, MID GREY, CREAM-GREY, FINE TO MEDIUM-GRAINED, ALTERED DACITIC LAVA, POSSIBLE DACITE AUTOBRECCIA, WITH INTERMIXED VOLCANICLASTIC. UNCERTAIN PROTOLITH, LARGELY OBSCURED BY SEMI-PERVASIVE SERICITE ALTERATION AND PATCHY LIGHT GREY SILICA OVERGROWTHS. SOME COARSER GRAINED VOLCANOMICT BRECCIA INTERMIXED. LOCALLY COMMON RAGGED STREAKS OF SERICITE + MINOR CHLORITE. SPARSE WHITE CARBONATE AS STRINGERS AND IRREGULAR VEINLETS.								TRACE PY, AS ULTRA FINE-GRAINED SPECKS.				
136	137																			
137	138																			
138	139																			
139	140																			
140	141	COARSE FRAGMENTAL TEXTURES.																		
141	142																			
142	143																			
143	144																			
144	145																			
145	146																			
146	147	VERY COARSE FRAGMENTAL TEXTURES, POSSIBLE PSEUDO-BRECCIA																		
147	148							BECOMING INCREASINGLY SERICITISED, ALTERED NEAR CONTACT.												
148	149							148.9m DIFFUSE ALTERATION CONTACT.												
149	150							CVC STRONGLY ALTERED DACITIC LAVA: INITIALLY LEACHED, VUGHY, STRONGLY ALTERED.												

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								CONTINUED FROM 148.9m												
150	151							CVC STRONGLY ALTERED DACITIC LAVA: MODERATELY HARD, TENDING TO RELATIVELY SOFT, PITTED, MASSIVE TO LOCALLY STREAKED, LIGHT TO MID GREY, MEDIUM-GRAINED, NON-PORPHYRITIC, DACITIC LAVA. SOME WISPY TO STREAKY CREAM-GREY FRAGMENTS, POSSIBLY AUTO-BRECCIA PATCHES. MODERATE PERVASIVE SERICITE AND MINOR SILICA ALTERATION. ?SPHERULITIC TEXTURES IN PLACES.								RARE TRACE PY, +SPHALERITE AGGREGATES.				
151	152																			
152	153	POSSIBLE PSEUDO-BRECCIA TEXTURES, ALTERATION.																		
153	154																			
154	155																			
155	156																			
156	157																			
157	158	VERY COARSE FRAGMENTAL TEXTURES, POSSIBLE PSEUDO BRECCIA						DACITIC AUTO-BRECCIA OR POSSIBLE DACITIC VOLCANICLASTIC BRECCIA.												
158	159																			
159	160							MOTTLED CREAM, GREY-CREAM, KHAKI-GREY, ALTERED, SERICITISED, VERY COARSE-GRAINED, FELDSPAR ± QUARTZ-PHYRIC, DACITIC SANDSTONE TO CONGLOMERATE.												
160	161																			
161	162																			
162	163	VERY STRONGLY ALTERED.						SERICITE + CHLORITE ± CREAM CARBONATE ALTERATION. PROTOLITH OBSCURED.												
163	164	BRECCIATED, ??						BECOMING MICRO-FRACTURED, TENDING TO BRECCIATED; BRITTLE DEFORMATION, THIN CLAYEY SHEARS.												
164	165	CLAYEY FRACTURES.						165.5m SHARP IRREGULAR CONTACT.												
165	166	TENDING TO VUGHY.						FAULT/CATACLASITE: RELATIVELY SOFT TO MODERATELY HARD, CLAY MATRIXED TECTONIC BRECCIA. 166.7m BROKEN CORE AT CONTACT.												
166	167	COARSE FRAGMENTAL TEXTURE				FAULT		FAULT/SHEAR: SOFT, RELATIVELY SOFT, FRIABLE, CREAM-GREY CLAY AND CATACLASITE.												TENDING TO KAOLINITIC.
167	168	DEPTH UNCERTAIN.						168.0m BROKEN, CLAYEY CONTACT.												
168	169					CORE LOSS / FAULT		CORE LOSS: MAJOR ZONE OF NEAR TOTAL CORE LOSS; 1.7m CORE LOSS RECORDED IN 166.7 – 169.7m CORE RUN; 0.8m CORE LOSS RECORDED IN 169.7 – 171.5m RUN. SOME RUBBLY CORE FRAGMENTS, 170.5m CONTACT NOT RECOVERED; DEPTH UNCERTAIN.												
169	170																			
170	171					FAULT		FAULT/SHEAR: LIGHT CREAM CLAY/CATACLASITE.												KAOLINITIC.
171	172	INITIALLY SHEARED, LEACHED.						171.3m CVC ALTERED DACITE LAVA: INITIALLY SOFT, FRIABLE, TENDING TO LEACHED, SHEARED, BECOMING VERY HARD, SILICEOUS, SPECKLED, MICRO-FRACTURED, PORPHYRITIC, DARK GREEN, GREEN-GREY, PINK-GREY, FINE TO MEDIUM-GRAINED, DACITE/RHYO-DACITE LAVA. STRONGLY ALTERED AT START, BECOMING MODERATELY SILICA ALTERED, WITH SERICITE + CHLORITE AS SPECKS AFTER PHENOCRYSTS AND AS IRREGULAR RAGGED ?PSEUDO-BRECCIA DOMAINS.								SPARSE PY, AS AGGREGATES, SPECKS				
172	173																			
173	174																			
174	175	WEAK, IRREGULAR COMPOSITIONAL																		
175	176	STREAKING TO																		
176	177	CRUDE BANDING.																		
177	178																			
178	179	BROKEN FROM 178.7 – 179.5m																		
179	180																			

MAJOR FAULT ZONE

UNITY MINING LTD

Hole No. RHD29 | Project : EL 8/2009 | Prospect : Red Hills | Grid :

East : 382415 6 | North : 5365301 6 | RL : 827 3 | Proj. GDA94

Graphical Drill Hole Log

Azimuth : 114 6 (MGA94)
Declination : -57 1 degrees
Total Depth : 253 7m (to be confirmed)
Collar surveyed by TriTech Professional Services (21/03/2011)

Logged by DAE | Drilled by BLY | Drill type LF90 DD | Drill Date 08/03/2011 – 21/03/2011

Massive | Pervasive | Disseminated | Narrow vein

0.062 0.4 1 4 16 64 mm

From	To	Colour/ Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log grainsize	Description	Alteration: Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralization: Mineralisation Assemblage	%	Veining	Disseminations	Pervasive
								CONTINUED FROM 171.3m												
180	181	TECTONIC BRECCIA ZONE			180.4 – 180.7			CVC ALTERED DACITE/RHYO-DACITE LAVA: HARD TO VERY HARD, MICRO-FRACTURED, SILICEOUS, PORPHYRITIC, DARK GREEN-GREY, BROWN-GREY, MEDIUM-GRAINED, ALTERED, FELDSPAR-PHYRIC, DACITIC TO RHYO-DACITIC LAVA. ULTRA FINE-GRAINED FELDSPAR+ QUARTZ GROUNDMASS, WITH SPECKS OF DARK GREEN CHLORITE + SERICITE AFTER PHENOCRYSTS. PATCHY SEMI-PERVASIVE CHLORITE+SERICITE ALTERATION, CREAM FELDSPAR AS IRREGULAR SELVEDGES AROUND FRACTURES AND VEINS.									NO VISIBLE SULPHIDE MINERALISATION
181	182																			
182	183																			
183	184																			
184	185	PORPHYRITIC TEXTURES IN																		
185	186	PATCHES, WITH																		
186	187	ALTERATION OVERPRINT.																		
187	188																			
188	189																			
189	190	BROKEN IN PATCHES.						CREAM ALBITE + SERICITE ALTERATION.												
190	191							MICRO-FRACTURED, MORE INTENSELY ALTERED,												
191	192	MICRO-FRACTURED,						GRADATIONAL INTO DACITIC/ANDESITIC LAVA.												
192	193	VEINED.						ALBITE SELVEDGES AROUND CREAM												
193	194							ALBITE + CARBONATE VEINLETS.												
194	195																			
195	196																			
196	197							VERY HARD, SILICEOUS, STREAKED, PORPHYRITIC,												
197	198							MEDIUM-GRAINED, DACITIC TO RHYO-DACITIC												
198	199	CRUDE STREAKED						LAVA, CHLORITE + SERICITE SPECKS AFTER												
199	200	COMPOSITIONAL BANDING						PHENOCRYSTS, IN ULTRA FINE-GRAINED,												
200	201							FELDSPAR + QUARTZ GROUNDMASS.												
201	202							FINE CREAM SPOTS, POSSIBLY SPHENE/												
202	203							LEUCOXENE ALTERATION.												
203	204																			
204	205	205.2m																		
205	206	IRREGULAR, STREAKY BANDING			45°			IRREGULAR WHITE CARBONATE VEINLETS AND STRINGERS.												
206	207							MID PINK ALBITE AS CENTIMETRIC												
207	208							BANDS, WITH GREY-BLACK CHLORITE +												
208	209							SERICITE SPECKS AFTER ? FERRO-MAGNESIAN												
209	210							PHENOCRYSTS.												

UNITY MINING LTD

Graphical Drill Hole Log

Hole No.	RHD29	East :	382415.6	Azimuth :	114.6 (MGA94)
Project :	EL 8/2009	North :	5365301.6	Declination :	-57.1 degrees
Prospect :	Red Hills	RL :	827.3	Total Depth :	253.7m (to be confirmed)
Grid :		Proj.	GDA94		Collar surveyed by TriTech Professional Services (21/03/2011)

Logged by DAE
Drilled by BLY
Drill type LF90 DD
Drill Date 08/03/2011 – 21/03/2011

Massive
Pervasive
Disseminated
Narrow vein

0.062 1/4 1 4 16 64 mm

From	To	Colour/ Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log grainsize	Description	Alteration: Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralization: Mineralisation Assemblage	%	Veining	Disseminations	Pervasive
								CONTINUED FROM 171.3m												
210	211	PORPHYRITIC TEXTURES,						CVC ALTERED DACITE/RHYO-DACITE LAVA: VERY HARD, MICRO-FRACTURED, LOCALLY VEINED, MID TO DARK GREY-BROWN, CREAM-BROWN, FINE TO MEDIUM-GRAINED, ALTERED, PORPHYRITIC DACITE TO RHYO-DACITE. CARBONATE VEINLETS. CREAM ALBITISED PATCHES.								TRACE PY, AS FINE SPECKS, BLEBS				
211	212	VEIN AND FRACTURE																		
212	213	OVERPRINT.																		
213	214	SHARP UPPER CONTACT			25°															
214	215					214.55		214.55m TECTONIC BRECCIA VEIN WITH								SPARSE CPY, PY, + TRACE GALENA.				
						215.15		215.15m QUARTZ VEINS, SPARSE CPY, PYRITE, TRACE GALENA. SHARP, VERY IRREGULAR												
215	216							DOWN HOLE CONTACT, SUB-PARALLEL TO CORE AXIS.												
216	217	10cm SULPHIDE VEIN			35°			216.8-216.9m IRREGULAR VEIN OF PYRITE, QUARTZ, SPARSE CPY.												
217	218	BECOMING BROKEN						MODERATELY ALTERED, ALBITISED RHYO-DACITE LAVA.								TRACE PYRITE AS FINE CLOTS, WISPS.				
218	219							218.9m DIFFUSE ALTERATION CONTACT.												
219	220	STRONG MICRO-FRACTURING						CVC SILICA ALTERATION AFTER VOLCANICLASTIC SILTSTONE: INITIALLY VERY HARD, SILICEOUS, MICRO-FRACTURED, IN PLACES DISRUPTED, BRECCIATED, LIGHT TO MID GREY, ULTRA FINE-GRAINED ALTERED VOLCANICLASTIC SILTSTONE. VERY FINE SPOTS, SPECKS, POSSIBLY SPHERULITES. POSSIBLY ALTERED DEVITRIFIED, RHYOLITIC VOLCANICLASTIC, BECOMING LESS SILICIFIED. 223.8m GRADATIONAL CONTACT.								MINOR PYRITE AS STRINGERS, AGGREGATES.				
220	221																			
221	222	BROKEN IN PLACES,		? F																
222	223																			
223	224	SHARP CONTACT.																		
224	225	COARSE FRAGMENTAL TEXTURES,						CVC ALTERED PUMICEOUS VOLCANICLASTIC BRECCIA: HARD, STREAKED, WISPY MID CREAM, BECOMING VERY COARSE-GRAINED. 225.4m								MINOR 1-2% SPHALERITE IN SILICA DOMAINS.				
225	226							CVC ALTERED VOLCANICLASTIC SILTSTONE:								MINOR 3-4% SPHALERITE.				
226	227	SHARP IRREGULAR CONTACT.						HARD, SILICIFIED, MID GREY, MASSIVE. MINOR ASHY BANDS.												
227	228	SILTY MATRIX, LITHIC RICH.						226.7m CVC VOLCANICLASTIC CONGLOMERATE AND BRECCIA: HARD, IN PLACES VERY HARD, SILICEOUS, DARK GREY, CREAM-GREY, MEDIUM-GRAINED, BECOMING VERY COARSE-GRAINED, VOLCANOMICT CONGLOMERATE TO PUMICEOUS VOLCANICLASTIC BRECCIA. INITIALLY RHYO-DACITIC VOLCANIC CLASTS, WITH INCREASING DEVITRIFIED PUMICE AS WISPS AND STREAKS, BECOMING STRONGLY SERICITISED, ALMOST TALCOSE ON FRACTURES, DARK GREEN WISPY DEVITRIFIED PUMICE. 233.6m SHARP IRREGULAR CONTACT.												
228	229																			
229	230																			
230	231	EUTAXITIC TEXTURES.														SPARSE TO MINOR PY, AS BLEBS, TRACE SPHALERITE.				
231	232	STRONGLY FRAGMENTAL TEXTURED.																		
232	233																			
233	234	INITIALLY MASSIVE.						CVC RHYOLITIC VOLCANICLASTIC: HARD SPOTTED, MICRO-FRACTURED MID KHAKI-GREY, BECOMING DARK GREEN, FINE-GRAINED, VOLCANICLASTIC SILTSTONE, GRADATIONAL INTO ALTERED, RHYOLITIC VOLCANICLASTIC CONGLOMERATE. ABUNDANT VARIABLY ALTERED, INITIALLY SERICITISED GROUNDMASS, BECOMING INCREASINGLY CHLORITISED. INCREASING LARGE ORBICULAR ORANGE FELDSPAR OVERGROWTHS, WITH PYRITE CORES.								SPARSE PY, AS VEINLETS AND STRINGERS				
234	235																			
235	236	SCATTERED ROUND ORANGE																		
236	237	BUFF FELDSPAR INTRACLASTS;														TRACE CPY. + GALENA IN QUARTZ VEINS.				
237	238	PROBABLY ALTERATION																		
238	239	OVERGROWTHS DOWN HOLE.																		
239	240																			

LOWER MINERALISED HORIZON CORRELATE

UNITY MINING LTD

Graphical Drill Hole Log

Hole No.	RHD29	**East :**	382415.6
Project :	EL 8/2009	**North :**	5365301.6
Prospect :	Red Hills	**RL :**	827.3
Grid :		**Proj.**	GDA94

Azimuth : 114.6 (MGA94)
Declination : -57.1 degrees
Total Depth : 253.7m (to be confirmed)
Collar surveyed by TriTech Professional Services (21/03/2011)

Logged by DAE
Drilled by BLY
Drill type LF90 DD
Drill Date 08/03/2011
21/03/2011

Massive
Pervasive
Disseminated
Narrow vein

From	To	Colour/ Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log grainsize (0.002 1/4 1 4 16 64 mm)	Description	Alteration: Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralization: Mineralisation Assemblage	%	Veining	Disseminations	Pervasive
								CONTINUED FROM 233.6m												
240	241	FRAGMENTAL TEXTURES,						CVC RHYOLITIC VOLCANICLASTIC 240.9m BROKEN AT CONTACT												
		BRECCIATED				FAULT		FAULT : BROKEN CORE ; SOME PUGGY CLAY.												
241	242							241.3m CVC RHYOLITE LAVA : HARD TO												
242	243							EXTREMELY HARD, SILICEOUS, MICRO-FRACTURED												
243	244	VEINED IN PLACES,						VEINED, MOTTLED DARK GREEN, ORANGE-BUFF,												
244	245	LOCALLY						GREY, BLACK, FINE TO VERY FINE-GRAINED,												
245	246	PORPHYRITIC.						VARIABLY ALTERED RHYOLITE LAVA. INITIALLY WITH LARGE ORBICULAR ORANGE												
246	247							FELDSPAR DOMAINS, WITH CHLORITE + PY ± CPY,								WHITE QTZ + CREAM FELDSPAR VEIN				
247	248							CORES, IN AN ALTERED RHYOLITE GROUNDMASS, PATCHY, LOCALLY SEMI-MASSIVE CHLORITE												
248	249							ALTERATION. MINOR QUARTZ + ALBITE VEINS.												
249	250	INTENSE MICRO-FRACTURE						MICRO-FRACTURED, TENDING TO BRECCIATED.								TRACE CPY, AS BLEBS IN FRACTURED ALTERED RHYOLITE.				
250	251	OVERPRINT, WITH CHLORITE																		
251	252	REPLACING.																		
252	253																			
253	254							EOH = 253.7m (confirmed)												
254	255																			
255	256																			
256	257																			
257	258																			
258	259																			
259	260																			
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