





Hole No. **TC6** (GPS collar nom)  
 Project: EL 28/2001 East: 381146.0  
 Prospect: Tyndall Creek North: 5357364.0  
 Grid: RL: 509.0  
 Proj. GDA94 MGA Zone 55

**Graphical Drill Hole Log**

Azimuth: 230.0 degrees (magnetic)  
 Declination: xx x degrees  
 Total Depth: xxx xm (planned)

Logged by  
 Drilled by **BLY**  
 Drill type **LM75 DD**  
 Drill Date **xx/04/2010**

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 gransize	Description	Alteration						Mineralization				
									Silica	Sulphate	Albite	Carbonate	K-feldspar	Pyrite	Vein Qtz %	Mineralisation Assemblage	Veining	Disseminations	Pervasive
60	61							<u>FAULT ZONE CONTD.</u>											
61	62					CL		FTXX											
62	63																		
63	64																		
64	65	BR	bedding scale faults ppdt	So	So	65°		64.3 VOLCANICLASTIC SANDSTONE: v weathered & altered, F'spar rich horizons											
65	66					CL													
66	67							66.7m - v. hem altered; change in colour and increasing clays											
67	68	PI-R																	
68	69							HEMATITE altered, PUGGY, FAULT ZONE											
69	70							- smagor core loss											
70	71							- very fragmented clasts of silt → sandstone											
71	72							72m contact: Lost											
72	73	PI-BR						VOLCANICLASTIC BRECCIA strongly altered, clay rich, purple/red volcanoclastic clasts common											
73	74							VCBX											
74	75	RE						74.3m → v. strong hematite alteration and increased strain/deformation down hole											
75	76																		
76	77																		
77	78																		
78	79																		
79	80							- increased clay content											
80	81																		
81	82					CL		← contact potentially in this CL zone or higher											
82	83	GY						82.5 Brecciated - contact loss (w/CL)											
83	84	GR/PU						QIZ, CO <sub>2</sub> , Chlorite, hematite, (pyrite) altered V. Siderite											
84	85							- Top 0.5m brecciated - clay/pug zone											
85	86	F <sub>1</sub> 0°						↳ change in protolith texture - grey - no hem alt											
86	87	F <sub>1</sub> 10°						- highly strained volcanoclastic sediment with mylonitic fabric (porphyroblasts, R-shadows, fish tails)											
87	88							- very broken with foliation    to CA											
88	89							- minor relict chlorite clasts											
89	90							- disseminated py associated to chlorite lenses											
								- zone of rotated, strongly hematized (chlorite) & biotite clasts											

VCXX with SICB alteration

# BENDIGO MINING LTD

Hole No. <b>TC6</b>	(GPS collar norm)	<b>Graphical Drill Hole Log</b>		Logged by <b>CJT</b>	Massive
Project: EL 28/2001	East: 381146 0	Azimuth: 230 0 degrees (magnetic) <b>207</b>	Declination: xx x degrees <b>20°</b>	Drilled by <b>BLY</b>	Pervasive
Prospect: Tyndall Creek	North: 5357364 0	Total Depth: xxx xm (planned)		Drill type <b>LM75 DD</b>	Disseminated
Grid:	509 0			Drill Date <b>xx/04/2010</b>	Narrow vein
Proj. <b>GDA94 MGA Zone 55</b>					

From	To	Colour/Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log gransize	Description	Alteration						Mineralization				
									Silica	Sericite	Albite	Carbonate	K-feldspar	Pyrite	Vein Qtz %	Mineralisation Assemblage	Veining	Dissemination	Pervasive
90	91	P1-P4 -GR GY	F1		10°			QTZ, CO <sub>2</sub> , CHLORITE, HEMATITE & PY ALTERED VOLCANICLASTIC? CONT'D											
91	92							- pyrite replacing entire lenses w/in sediment as 1-3mm lenticles, v. fg alteration											
92	93				0°			- hematite purple colour in places											
93	94	-mod hem alt <sup>n</sup>						- conc v fractured broken (mag. vol <sup>2</sup>   )											
94	95	CL -> Fault @ 55m - change in foliation			20-25°			- Si almost 'cherty' in 10cm piece @ 94m											
95	96							- 20cm interval @ 95.5m, sit hem + hematite? quite heavy											
96	97				0°			- moderate chlorite/epidote alteration throughout											
97	98							- strongly broken zone + clays = micro shears? / Small fault zone											
98	99				10°			- low angle qtz/CO <sub>2</sub> veins (discontinuous) across at low angle, qtz+hem tension gashes											
99	100				70°			- v. broken zone 99-100m											
100	101				15°			- mm scale tension gashes (qtz)											fmg py vials 3
101	102							- cm scale tension gashes (qtz)											
102	103				0°			- increasing CO <sub>2</sub> alt <sup>n</sup> w/ ↑ % py alteration/min <sup>2</sup>											
103	104							- Py replacing all chlorite alt <sup>n</sup> ; very fg.											
104	105				20°			↓ MZ from 103m											
105	106							- broken contact @ 105.5-7 w/ MQ?											
106	107	fabric w/ destroyed Qvs 80-300 Py stringers 0-10						- 40cm MQ @ 105.7 w/ microfractures + sulphides?											
107	108							- MQ - highly fractured + hematite altered, py + sericite stringers - qtz fracture vein mesh (multiple generations)											
108	109							ALTERED VOLCANICLASTIC CONT'D											
109	110							- more massive, fg (full protolith?)											
110	111							- chunky, (2-3cm →), discontinuous qvs w/ w/ irregular aspect											
111	112	P1-GY strongly hematitic (P1-P4) alteration			35°			- 110.5m - Brecciated contact ~ 45° (CL)											
112	113							SI, HEMATITE, CO <sub>2</sub> SERICITE, CHLORITE A'D. VOLCANICLASTIC TUFF? (potentially lightfield alteration)											
113	114							very broken + CL in top section											
114	115				15°			crème/purple/grey/brk coloured, strongly deformed (mylonitic); & altered Tuff - some areas of tuff well preserved											
115	116							- albite dominant phenocryst phase											
116	117				30°			- Thick bands of Si-(CO <sub>2</sub> , hem alteration + more coherent tuff layers											
117	118																		
118	119	minor broken zones			20°			118.5m TUFF / (CL TUFF?)											
119	120				10°			↳ & to CARB dominant											

NB: purple mineral could be chalcocite

- sample Tray # 28/27 first
- cased off at 111.6; H → NQ2





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 Proj. GDA94 MGA Zone 55

**Graphical Drill Hole Log**  
 Azimuth : 207.0 degrees (magnetic)  
 Declination : 80.0 degrees

Logged by CJT  
 Drilled by BLY  
 Drill type LM75 DD  
 Drill Date 19/04/2010

Massive  
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0 D02 T4 1 4 T6 04 mm

From	To	Colour/Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log grainsize	Description	Alteration					Mineralization						
									Silice	Sericite	Albite	Carbonate	K-feldspar	Pyrite	Vein Qtz %	Mineralisation Assemblage	%	Vein	Disseminated	Pervasive
180	181	brecciated top contact in carb rich band						CARB, CHLORITE, HEMATITE, SILICA ALTERED XTAL TUFF - CONT'D - tuff sections weakly magnetic												
181	182							- Bands of 'rose quartz' with minor tuff patches												
182	183			F1 20°				182.4 m of moderate/late bands - strong mylonitic fabric												
183	184																			
184	185	thin 'mesh'		Vn 80°				- brecciated + carbonate alteration at top contact - many micro qtz fractures												
185	186							- on ethalon, micro-mesh pattern, typically low angle w minor carbonate												
186	187																			
187	188							- weak albittisation in tuff zones - v. diss cubic pyritic (mg), associated w v brecciated intervals												
188	189							- strongly hematized zones = less magnetic												
189	190	py/wt						189.4 m Start of v. brecciated, carbonate altered xtal tuff zone												
190	191																			
191	192							- streaky / subvertical carbonate/hem/silica horizons												
192	193																			
193	194																			
194	195																			
195	196	py		F1 2°				- strong hem alt' in carb-rich section												
196	197							- strong porphyroblastic textures - py after chlorite re extension textures												
197	198	coherent tuff -> brecciated -> foliated																		
198	199																			
199	200			F1 15°																
200	201							- CARB DOMINANT INTERVAL w some preservation of brecciated tuff intervals												
201	202			F1 25°																
202	203																			
203	204																			
204	205																			
205	206																			
206	207			CT 40°																
207	208			F1 20°																
208	209																			
209	210			F1 0°																

Assay 196 - 198 m









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From	To	Colour/ Weathering	Structure type 1	Structure type 2	Angle C.A	Graphic structure	Log grainsize	Description	Alteration						Mineralization				
									Silica	Sericite	Albite	Carbonate	K-feldspar	Pyrite	Vein Qtz %	Mineralisation Assemblage	%	Veining Disseminations	Pervasive
330	331							<u>X TAL TUFF contol:</u>											
331	332							carb/si bands with brecciated, epidote/ sericite clasts											
332	333							epidote/sericite veinlets											
333	334							albitisation stronger in proximity to pink qtz veins (± sericite/epidote)											
334	335																		
335	336																		
336	337																		
337	338																		
338	339							carb alt <sup>n</sup> + associated brecciation											
339	340							volcaniclastic siltstone? discontinuous											
340	341							340.5 - 340.9m: strong hem alt <sup>n</sup> → carb & galena (whispy) mineralisation											
341	342							→ zones of rhodocrosite + epidote/sericite alt <sup>n</sup> - mod/strong hem alt <sup>n</sup>											
342	343							342.8m											
343	344							MODERATELY PORPHYRITIC, GREY, MG ANDESITE / PORPHYRY? with mod, pervasive hematite alt <sup>n</sup> (purple)											
344	345							thin, wispy sericite veinlets											
345	346							phenocryst rich in plures											
346	347							similar to xtal TUFF but >> [ ] of phenocrysts, lack of carb banding											
347	348																		
348	349							rounded quartz phenocrysts (maybe dacite??)											
349	350																		
350	351																		
351	352																		
352	353																		
353	354																		
354	355							increasing hematite alteration → decrease in phenocryst size											
355	356																		
356	357																		
357	358																		
358	359																		
359	360																		

Sample 340-343 - galena min<sup>n</sup>

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0.052 1/4 1 4 16 64 mm

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									Silica	Sericite	Albite	Carbonate	K-feldspar	Pyrite	Vein Qtz %	Mineralisation Assemblage	%	Veining Disseminations	Pervasive
360	361	GY/Pi						360.2 m - gradual / gradational? Δ to XTAL TUFF - clast albited tuff + lg sediments and increasing albitisation → hematite dom alt <sup>2</sup> e contact											
361	362																		
362	363							362.9 m - BRECCIATED CONTACT											
363	364	PY albitised sed. clast? →						XTAL TUFF. with strong hematite alteration Brecciated (clast supported) in places with carbonate cement											
364	365																		
365	366																		
366	367																		
367	368																		
368	369																		
369	370																		
370	371							- here the breccia is cement supported											
371	372																		
372	373																		
373	374																		
374	375																		
375	376	Qv 60°						chlorocarbonate / quartz, chlorite vein											
376	377	376.7 m 377.3 m						- semi ductile zone, brecciated clasts elongated to flattened, trails of galena & hematite matrix sharp contact - albitisation increases breccia contacts (sharp)											galena + asp blbs
377	378																		
378	379																		
379	380							379.8 m - coherent section of porphyritic grey unit - conformable contact → brecciated											
380	381							380.3 m : bottom contact											
381	382																		
382	383							sericite epidote altered clasts of dark andesite											
383	384							EOH 383.3											
384	385																		
385	386																		
386	387																		
387	388																		
388	389																		
389	390																		

(at 376 - 378 galena (in hematite))