



Hole No. LSUD06a		Collar Location		Summary Drill Hole Log		Logged by BP	
Project : EL 34-2010		East : 384523.70		Azimuth : 79.9 degrees (MGA94)		Drilled by EDrill	
Prospect : Lakeside deposit		North : 6375545.30		Declination : 55.1 degrees		Drill type UDR200	
Grid : MGA94		RL : 167.40		Total Depth : 348.90m		Drill Date 21/06/2012	
Proj. MGA94 co-ords				Collar surveyed by Tritech Professional Services (22/12/2011)		2/07/2012	
Depth	0 0.5 1 2 3 4 5 6 7 8 9 10 m	Description					
25		0.00m-27.60m - Fluvio-glacial sediments.					
50		Central Volcanics Complex					
75		27.60-201.70m - Massive, feldspar porphyritic intermediate lavas and thin basalt dykes.					
100							
125							
150		163.20m-169.30m - Healed fault/coherent cataclasite.					
		Mt.Black Volcanics more frequently brecciated/veined with depth with common pervasive silica alteration and quartz stockwork.					
175		(F)					
		182.3-182.45 - Semi-massive pyrite/asp. vein.					
		185.30-185.70 - Quartz veining, coarse euhedral pyrite.					
200		(HFLT)					
		Henty Fault					
		201.70m-204.10m - Henty Fault Zone - Puggy fault clays, fractured silicified volcanoclastics and cataclasite.					
		204.60m-205.70 - Henty Fault - Puggy, pyritic clays.;					
225							
250		Farrell Slates					
		205.7-210.00 - Brecciated sandy-siltstones with interbedded shales with common pyrite blebs/veins +/-asp.					
		210.00m-252.00m - Sandstone with minor black shale bands.					
		252.00m - 252.80m - pyr/asp/pyrrh veins.					
		252.80m - 282.40m - Grey siltstone with occasional black shale bands.					
275							
300							
325		236.82.40 - 355.40m - Mostly monomictic, grey siltstone with occasional black shale bands. (EOH)					
350		355.40m (EOH)					
375							

PAGE OF

Grid : MGA94

RL : 165.00

Proj. MGA94 co-ords

0.062 1/4 1 4 16 64 mm

Collar surveyed by Tritech Professional Services (pending 10/06/2012)

Drill type UDR200
Drill Date 04/06/2012

xx/06/2012

Narrow vein

[illegible]

Hole No. LSUD06A

Project : EL 34-2010
Prospect : Lakeside deposit
Grid : MGA94

East : 384521.00
North : 5375544.00
RL : 165.00
Proj. MGA94 co-ords

0.003 1/4 1 4 16 1/4 mm

Graphical Drill Hole Log

Azimuth : 80.0 degrees (MGA94)
Declination : 46.5 degrees
Total Depth : 300.0m (planned)
Collar surveyed by Tritech Professional Services (pending 10/06/2012)

Logged by DAE/BP
Drilled by EDRI
Drill type UDR200
Drill Date 04/06/2012
xx/06/2012

Massive
Pervasive
Disseminated
Narrow vein



From	To	Colour/ Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log grain size	Description	Alteration						Mineralization			
									Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralisation Assemblage	e ⁺	Veining Dissemination Pervasive
30	31																	
31	32							27.60m - 57.10m										
32	33							MOUNT BLACK VOLCANICS										
33	34							DARK GREY, MASSIVE FELDSPAR										
34	35							PERPHYRITIC INTERMEDIATE LAVAS										
35	36							WITH CHLORITISED GROUNDMASS										
36	37							& COMMON X-CUTTING QUARTZ										
37	38							CARBONATE										
38	39																	
39	40																	
40	41																	
41	42							TRANSITION TO FINER GRAINED										
42	43							WEAKLY PORPHYRITIC INTERMEDIATE LAVAS										
43	44																	
44	45																	
45	46																	
46	47																	
47	48																	
48	49																	
49	50																	
50	51							51.30 - 52.0m										
51	52							BROKEN SORTED GROUND, TENCE (7/12)										
52	53							ASP/RYRITE BLEBS										
53	54							54.00 - 54.80 - BROKEN GROUND										
54	55							SMALL FAULT.										
55	56																	
56	57							57.10m FINE GRITE HERE ALONG TOLATION										
57	58							57.10 - 62.30 INTENSE FOLIATION										
58	59							SILICIFICATION OF INTERMEDIATE										
59	60							LAVAS, ONLY REMNANT TEXTURES.										
								VISIBLE, HIGHLY BACATED, STRONG										
								QUARTZ VEINING										

QUARTZ VEINING

Hole No. **LSUD06A**

Project : EL 34-2010
Prospect : Lakeside deposit
Grid : MGA94

Collar Location

East : **384521.00**
North : **5375544.00**
RL : **165.00**
Proj. MGA94 co-ords

0.062 1/4 1 4 16 64 mm

Graphical Drill Hole Log

Azimuth : 80.0 degrees (MGA94)
Declination : 48.5 degrees
Total Depth : 300.0m (planned)
Collar surveyed by Tritech Professional Services (pending 10/06/2012)

Logged by DAE/BP

Drilled by EDRII
Drill type UDR200
Drill Date 04/06/2012
xx/06/2012

Masive
Pervasive
Disseminated
Narrow vein



From	To	Colour/ Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log grain size	Description	Alteration					Mineralization			
									Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralisation Assemblage	% Veining Dissemination Pervasive
60	61																
61	62																
62	63																
63	64																
64	65																
65	66																
66	67																
67	68																
68	69																
69	70																
70	71																
71	72																
72	73																
73	74																
74	75																
75	76																
76	77																
77	78																
78	79																
79	80																
80	81																
81	82																
82	83																
83	84																
84	85																
85	86																
86	87																
87	88																
88	89																
89	90																

STOCKWORK
SILICIFICATION/QUARTZ VEINING/
PRECIPITATION INCREASING w
DEPTH

PERVASIVE SILICA ALTERATION
QUARTZ STOCK WORK INCREASING
w DEPTH

88.00 - 90.70m INTENSE PERVASIVE
SILICA ALTERATION ONLY REMNANT
OF STOCK WORK

SILICIFICATION INCREASING AC JOINTS/FRACTURES/
SPLITTED GROUNDS INCREASE

PAGE OF

Massive
Pervasive
Disseminated
Narrow vein

[illegible]

PAGE OF

Narrow: vein

[illegible]

Hole No. **LSUD06a**
 Project : EL 34-2010
 Prospect : Lakeside deposit
 Grid : MGA94

Collar Location
 East : **384521.00**
 North : **5375544.00**
 RL : **165.00**
 Proj. MGA94 co-ords

Graphical Drill Hole Log
 Azimuth : 80.0 degrees (MGA94)
 Declination : 46.5 degrees
 Total Depth : 300.0m (planned)
 Collar surveyed by Tritech Professional Services (pending 10/06/2012)

Logged by **DAE/BP**
 Drilled by **EDrill**
 Drill type **UDR200**
 Drill Date **04/06/2012**
 xx/06/2012

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						Mineralization			
									Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralisation Assemblage	Vein %	Dissemination Pervasive
150	151					△												
151	152					△												
152	153					△												
153	154					△												
154	155					△		PRECIPITATED, FELDSPAR PORPHYRITIC INTERMEDIATE LAVAS + PROLIFIC QTZ VEINING.										
155	156					△												
156	157					△												
157	158					△												
158	159					△												
159	160					△												
160	161					△		161-161.20 - pervasive siliceous alteration										
161	162					△		162-20 - 162.30 - small fault pyggy clay/quartz veining + 71% py/gal blebs.										
162	163					△												
163	164					△												
164	165					△												
165	166					△												
166	167					△												
167	168					△		168.20 - 169.30 - HEALED FAULT/COHERENT CATACLASTIC. SAMPLE # 16232										
168	169					△		169.30 - 170.00 - PYRITE (EULICRALL) ALONG JOINT FLANG.										
169	170					△		167.30 - 173.0 m (SAMPLES 16233-16241)										
170	171					△		NON-PORPHYRITIC INTERMEDIATE LAVA WITH EULICRALL PYRITE 12mm AS SPOTTING DISSEMINATED THROUGHOUT. OCCASIONAL CHAL/AS 147%.										
171	172					△												
172	173					△												
173	174					△												
174	175					△												
175	176					△												
176	177					△		179.40 - 179.80 - SAMPLE # 16242 COARSE HAEMITITE/SPHALLICITE/PYRITE BLEBS GALENA IN PRECIPITATED SILICIC QTZ-CARB VEIN.										
177	178					△												
178	179					△												
179	180					△												

(A)

(A)

SMALL
PYGMY FAULT
@ 40% CA

PRECIPITATED
QTZ-CARB
VEINING
GALENA
ALICRALL

Hole No.		Collar Location		Graphical Drill Hole Log		Logged by		Massive		
LSUD06a		East : 384521.00		Azimuth : 80.0 degrees (MGA94)		DAE/BP		EDrill		
Project : EL 34-2010		North : 5375544.00		Declination : 46.5 degrees		Drilled by		UDR200		
Prospect : Lakeside deposit		RL : 165.00		Total Depth : 300.0m (planned)		Drill Date		04/06/2012		
Grid : MGA94		Proj. MGA94 co-ords		Collar surveyed by Tritech Professional Services (pending 10/06/2012)		xx/06/2012		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 grain size	Description	Alteration	Mineralization
									Silica Sericite Albite Carbonate Chlorite Hematite	Vein Qtz % Mineralisation Assemblage % Veining Disseminated Pervasive
180	181					^		191.70 - coarse pyrite		
181	182					^		182.30 - 182.45 - large pyr/asp vein (mineralized)		
182	183									
183	184					^				
184	185					^				
185	186					(F)		185.30 - 185.70 - quartz veining / fault w/ large well-sorted euhedral pyrite crystals (2 - 10 mm)		
186	187					^				
187	188					^				
188	189					^				
189	190					^				
190	191					^		MASSIVE INTERMEDIATE LAVAS & BRECCIAS w/ STRONG QUARTZ veining / strong work / porphyry		
191	192					^				
192	193					^				
193	194					^				
194	195					^				
195	196					^				
196	197					^				
197	198					^				
198	199					^				
199	200					^				
200	201					^		201.70 - 204.10 - HENTY FAULT		
201	202					^		highly brecciated, silicified volcaniclastic breccia		
202	203					^		204.10 - 204.30 - coarse		
203	204					^		204.30 - 204.60 - fault breccia		
204	205					^		204.60 - 205.20 - HENTY FAULT		
205	206					^		argill. dytic clay		
206	207					^		205.20 - 205.40 - coarse		
207	208					^		205.40 - 205.70 HENTY FAULT, argill. dytic clays		
208	209					^				
209	210					^		205.70 - 210.00 - grey, poorly sorted matrix supported sandstone, conglomerate breccia.		

209.15 large massive pyrite (quartz-asp) vein 80mm wide.

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Grid : MGA94

RL :	165.00
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0.062 1/4 1 4 16 64 mm

Collar surveyed by Tritech Professional Services (pending 10/06/2012)

Drill type UDR200
Drill Date 04/06/2012

xx/06/2012

Disseminate
Narrow vein

[illegible]

PAGE OF

Massive
Pervasive
Disseminated
Narrow vein

[illegible]

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 xx/06/2012

Massive
 Pervasive
 Disseminated
 Narrow vein



0.05 1/4 1 4 16 64 mm

From To		Colour/ Weathering	Structure type 1	Structure type 2	Angle C/A	Graphic structure	Log grain size	Description	Alteration						Mineralization			
									Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralisation Assemblage	N	Veining Dissemination Pervasive
300	301																	
301	302																	
302	303																	
303	304																	
304	305																	
305	306																	
306	307																	
307	308																	
308	309																	
309	310																	
310	311																	
311	312																	
312	313																	
313	314																	
314	315																	
315	316																	
316	317																	
317	318																	
318	319																	
319	320																	
320	321																	
321	322																	
322	323																	
323	324																	
324	325																	
325	326																	
326	327																	
327	328																	
328	329																	
329	330																	

BREKEN
QUARTZ VEIN

INCREASED GRAIN SIZE / FR. DISSEMINATION

OPEN
VEIN

322.90-323.05 M2/M314 IN
CUTTING QUARTZ VEIN

KINKED
FOLIATION

325.10 -> KINKED FOLIATION

PAGE OF

Graphical Drill Hole Log
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Massive
Pervasive
Disseminated
Narrow vein

[illegible]