

Project:	Open Pit Potential	Hole ID:	97WLC0782
Prospect:	West Lyell	Grid 1:	AMG Bearing: 051 57 40
Tenement:	1M95	Coord's:	5 342 722.528 mN Dip: -59 30
Drilled By:	DDT Pty Ltd		382 716.335 mE RL: 457.966
Rig Type:	UDR 650 & LY 38	Grid 2:	315 GRL Bearing: 88.46
Date Drilled:	21/4 - 5/5/97	Coord's:	8066.82 mN Dip: -59.90
Logged by:	J.S. Lawrence		3952.35 mE RL: 2457.966
Date Logged:	21/4 - 26/5/97	Total Depth:	190.5
Core/Chip Storage:	Chips at sample farm Core in CMT core compound.	S.S. No:	C 0617, C 0632

Geological Summary			
From	To	Code	Lithology
0	2	Rmd	
2	5	Lqzch	
5	20	Lqzse	Lqzch and Vqz 14 -15m
20	36	Lqzch	
36	41	Lqzse	
41	44	Lqzch	
44	55	Lqzse	
55	61	Lqzch	
61	76	Lqzse	Lqzhm 71-72m
76	79	Lqzch	
79	86	Lqzse	
86	110	Lqzch	Lqzse at 100 - 102m, 105 - 107m
110	111.56	Lqzse	
111.56	117.68	Vqzcb	
117.68	121.05	Lqzse	
121.05	134.82	Lqzch	
134.82	152.50	Lqzse	
152.50	159.24	Lqzhm	
159.24	161.27	Lqzse	
161.27	164.70	Ffz	
164.70	166.93	Lqzse	
166.93	171.16	Ffz	
171.16	172.44	Lqzch	
172.44	184.45	Lqzse	
184.45	186.20	Fmy	
186.20	190.50	Oct	
Comments			
Core disrupted in core rack collapse.			

Drilling Summary			
Core Size	From	To	Total
RC chips:	0.00	111.00	111.00
DD core:			
BQ			
NQ	111.00	190.50	89.50

Survey Data			
Depth (m)	Dip	Mag Azm	Grid Azm
0	--59.5		088.464
84.0	-42.5	091.0	-049.250
118.0	-45.0	093.5	-050.000
148.0	-45.0	093.5	-048.750
178.0	-45.5	094.0	-048.250
180.0	-44.5	093.0	-048.000
Survey Instruments			
Calibrated Ausmine single shot camera			

Significant Intersections*						
From	To	Thickness	Description/Code	% Cu	g/t Au	g/t Ag
24	178	154	Lqzse & Lqzch	0.33	0.04	1.2
66	178	112	Lqzse & Lqzch	0.41	0.05	1.3
66	86	20	Lqzse & Lqzch	0.94	0.05	2.3
158	166	8	Lqzse & Lqzhm	0.66	0.16	2.0
66	84	18	Lqzse & Lqzch	0.99	0.06	# 2.4

Copper mines of Tasmania - Diamond Drill Hole Geotechnical Log

278109

Project: Open Cut Potential

Prospect: West Lyell

Hole Number: 97WLD0782

Major			Lithology				Alteration		Mineralisation					Structure & Veining			Mag Sus ($\times 10^{-4}$ cgs)				
From (m)	To (m)	Code	Colour	Gr. Size	Texture	Description	Code	Description	py %	Styl	cp %	Styl	%	%	Depth (m)	Code	Description	Depth (m)	Core	Pulp	Check
0	1	Rmd																			
1	2	Rmd																			
2	3	Lqzch	ge	fg			ch		1	no											
3	4	Lqzch	ge	fg		Vqz throughout.	chqz		1	<1											
4	5	Lqzch	ge	fg			ch		<1	no											
5	6	Lqzse	gy	mg		Minor chloritic chips.	sesich		2	no											
6	7	Lqzse	gy	mg			sesi		2	no											
7	8	Lqzse	gy	mg			sesipy		2	no											
8	9	Lqzse	gy	mg			sesipy		4	no											
9	10	Lqzse	gy	mg			sesipy		4	<1											
10	11	Lqzse	gy	mg			sesipy		4	<1											
11	12	Lqzse	gy	mg			sesipy		4	<1											
12	13	Lqzse	gy	mg			sesipy		4	<1											
13	14	Lqzse	gy	mg		Some chloritic chips.	sesipy		4	<1											
14	15	Lqzch	gy	fg		Minor Vqz.	ch		1	<1											
15	16	Lqzse	gy	mg		Minor chloritic chips.	sesipy		4	<1											
16	17	Lqzse	gy	mg		Minor chloritic chips.	sesipy		2	<1											
17	18	Lqzse	gyge	mg			sesipych	ch weak pervasive.	2	<1											
18	19	Lqzse	gyge	mg			sesipych	ch weak pervasive.	2	<1											
19	20	Lqzse	gyge	mg		Minor chloritic chips.	sesi		2	no											
20	21	Lqzch	ge	fg			ch		<1	no											
21	22	Lqzch	ge	fg		Minor sericitic chips and cb veining.	ch		2	no											
22	23	Lqzch	ge	fg		Minor sericitic chips and cb veining.	ch		<1	no											
23	24	Lqzch	ge	fg		Minor sericitic chips and cb veining.	ch		<1	no											
24	25	Lqzch	ge	fg		Minor sericitic and haematitic qz.	ch		2	<1											
25	26	Lqzch	ge	fg		Minor sericitic and haematitic qz.	ch		2	no											
26	27	Lqzch	ge	fg		Minor sericitic.	ch		<1	no											
27	28	Lqzch	ge	fg		Minor sericitic and haematitic chips.	ch		4	<1		<1									
28	29	Lqzch	ge	fg		Vqzsd.	ch		5	no											
29	30	Lqzch	ge	fg		Vjpy.	cht		6	no											
30	31	Lqzch	ge	fg			ch		4	no											
31	32	Lqzch	ge	fg		Minor haematitic qz.	ch		2	no											
32	33	Lqzch	ge	fg		Minor haematitic qz.	ch		<1	no											
33	34	Lqzch	ge	fg		Minor haematitic qz.	ch		<1	no											
34	35	Lqzch	gspp	fg		Pervasive haematite.	chbn		<1	no											
35	36	Lqzch	ge	fg			ch		4	1											
36	37	Lqzse	gyge	mg		Minor haematite.	chbn		5	1											

Geologist: J.S. Lawrence

Date: 22-23/4/97

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Copper mines of Tasmania - Diamond Drill Core Geological Log

278110

Project:		Prospect:										Hole Number:									
Major			Lithology				Alteration		Mineralisation				Structure & Veining			Mag Sus (x10 ⁴ cgs)					
From (m)	To (m)	Code	Colour	Gr. Size	Texture	Description	Code	Description	py %	style	sp %	style	%	%	Depth (m)	Code	Description	Depth (m)	Core	Pulp	Check
37	38	Lqzse	gr	mg			sesi		5		1										
38	39	Lqzse	gr	mg			sesi		10		<1										
39	40	Lqzse	pk	mg		Haematitic staining of qz.	sesihm		10		<1										
40	41	Lqzse	pk	mg		Haematitic staining of qz.	sesihm		10		<1										
41	42	Lqzch	gsgc	mg			sesich		8		<1										
42	43	Lqzch	gsgc	mg			sesich		8		<1										
43	44	Lqzch	gsgc	mg			sesichpy		10		1										
44	45	Lqzse	gsgc	mg		Contains Lqzch chips.	sesich		5		<1										
45	46	Lqzse	pk	mg		Contains Lqzch chips.	sesihmgy		10		<1										
46	47	Lqzse	pkge	mg		Contains Lqzch chips.	sesichpy		10		2										
47	48	Lqzse	pkge	mg			sesi		10		2										
48	49	Lqzse	pkge	mg			sesi		5		1										
49	50	Lqzse	pkge	mg		Contains some patchy ch.	sesich		2		<1										
50	51	Lqzch	pkge	mg		Contains some pink Lqzse chips.	sesich		5		1										
51	52	Lqzse	pk	mg			sesi		2		<1										
52	53	Lqzse	pk	mg			sesi		8		<1										
53	54	Lqzse	pk	mg			sesi		8		<1										
54	55	Lqzse	pk	mg			sesi		2		no										
55	56	Lqzch	ge	fg			ch		5		<1										
56	57	Lqzch	ge	fg		Contains some Vqzcb.	ch		7		<1										
57	58	Lqzch	ge	fg		Contains some Vqzcb.	ch		2		no										
58	59	Lqzch	ge	fg			ch		2		<1										
59	60	Lqzch	ge	fg			ch		1		2										
60	61	Lqzch	ge	fg		Minor sericite.	chse		2		1										
61	62	Lqzse	pk	mg		Minor chlorite chips.	sech		7		<1										
62	63	Lqzse	pk	mg		Vqz.	sepsi		7		<1						Fractured ground				
63	64	Lqzse	pk	mg		Vqz.	sepsi		5		<1						Fractured ground				
64	65	Lqzse	ge	mg		Contains abundant apple green sericite and Vqzcb.	sepsi		5		<1										
65	66	Lqzse	pk	mg			sehmpy		7		no										
66	67	Lqzse	pk	mg			sehmpy		7		1										
67	68	Lqzse	pk	mg		Minor ch	sehmpy		10		1										
68	69	Lqzse	pp	mg		Heavy haematite staining minor ch.	sehmpy		10		1										
69	70	Lqzse	pp	mg		Heavy haematite staining minor ch.	sehmpy		10		1										
70	71	Lqzse	pp	mg		Heavy haematite staining minor ch.	sehmpy		10		2										
71	72	Lqzsm	dkge	fg		Very haematitic.	sehmpy		2		6										
72	73	Lqzse	pk	mg			sehmpy		<1		<1										
73	74	Lqzse	pk	mg			sehmpy		2		1										

Geologist: J.S. Lawrence

Date: 22-23/4/97

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Copper Mines of Tasmania - Diamond Drill Hole Geological Log

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Project: _____ Prospect: _____ Hole Number: _____

Major			Lithology				Alteration		Mineralisation					Structure & Veining			Mag Sus (x10 ⁴ cgs)				
From (m)	To (m)	Code	Colour	Gr. Size	Texture	Description	Code	Description	py %	Styl	cp %	Styl	%	%	Depth (m)	Code	Description	Depth (m)	Core	Pulp	Check
74	75	Lq/se	pk	fgmg			hmase		<1		<1										
75	76	Lq/se	pk	fgmg			hmase		<1		<1										
76	77	Lq/ch	ge	fg		Haematitic quartz clots.	chhm		<1		1										
77	78	Lq/ch	ge	fg			ch		no		<1										
78	79	Lq/ch	ge	fg			chhm		no		1										
79	80	Lq/se	pk	mg		Haematitic.	hm		1		2										
80	81	Lq/se	pk	mg		Minor chlorite clots.	hmchl		1		6										
81	82	Lq/se	pk	mg		Minor chlorite clots.	hmchl		5		5										
82	83	Lq/se	ge	fgcg		Plentiful apple green sericite. Contains Vqz.	sesi		<1		1										
83	84	Lq/se	ge	fgcg		Plentiful apple green sericite. Contains Vqz. H ₂ O water.	sesi		<1		5										
84	85	Lq/se	ge	fgcg		Plentiful apple green sericite. Contains Vqz.	sesi		<1		2										
85	86	Lq/se	ge	fgcg		Plentiful apple green sericite. Contains Vqz.	sesi		<1		2										
86	87	Lq/ch	ge	fg		Vqz.	ch		<1		3										
87	88	Lq/ch	ge	fg		Vqz.	chse		2		2										
88	89	Lq/ch	ge	fg		Vqz.	chse		1		1										
89	90	Lq/ch	ge	fg		Vqz.	ch		1		2										
90	91	Lq/ch	ge	fg		Vqz.	ch		3		1										
91	92	Lq/ch	ge	fg		Vqz.	chse		3		1										
92	93	Lq/ch	ge	fg		Vqz.	ch		<1		<1										
93	94	Lq/ch	ge	fg		Vqz.	ch		<1		<1										
94	95	Lq/ch	ge	fg		Vqz.	ch		<1		2										
95	96	Lq/ch	ge	fg		Vqz.	ch		1		2										
96	97	Lq/ch	ge	fg		Vqz.	ch		<1		<1										
97	98	Lq/ch	ge	fg		Vqz.	ch		1		1										
98	99	Lq/ch	ge	fg			chse		2		<1										
99	100	Lq/ch	ge	fg		Contains some pink qz.	chsehm		1		1										
100	101	Lq/se	ge	fgmg		Strong haematite alteration.	hmse		2		1										
101	102	Lq/se	spk	fgmg		Strong haematite alteration.	hmse		2		1										
102	103	Lq/ch	spk	fg		haematite staining of quartz.	hmsech		<1		<1										
103	104	Lq/ch	ge	fg			ch		<1		1										
104	105	Lq/ch	ge	fg			ch		<1		<1										
105	106	Lq/se	spk	mg		Haematite staining and specular haematite.	hmse		<1		1										
106	107	Lq/se	spk	mg		Some chloritic clots.	hmsech		<1		<1										
107	108	Lq/ch	ge	fg			ch		<1		<1										
108	109	Lq/ch	ge	fg			ch		<1		<1										
109	110	Lq/ch	ge	fg			ch		<1		<1										
110	111	Lq/se	pk	mg		Finished RC drilling due to slow progress.	sehm		2		3										