ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
ROSEBERY – TASMANIA

DIAMOND DRILL CORE RECORD

01 HOLE No. (3-7) CHP 243 1 of 4

LOCATION	Colebrook Hill
OBJECTIVE	To test down dip extension of tin mineralisation exposed in the Olympic-Athenic workings
RESULT	Low grade tin mineralisation intersected

TOTAL DEPTH	227m
HOLE SIZE	HQ-30;NQ-117;BQ-EOH
COMMENCED	21.6.83
COMPLETED	5.7.83
LOGGED BY	I.J. Mathison

03

8-12 Footage	13-16 Direction	17-18-21 Dip.	8-12 Footage	13-16 Direction	17-18-21 Dip.
38	248AMG	65°			
86	248	64½°			
160	254	64½°			
225	261	63½°			

02

ORE DIP. (8-11)	
COLLAR DIP. (12-15)	65°
DIRECTION (16-19)	257° AMG
R.L. (20-23)	466.0
CO-ORDS.	374,816.8E;5,370,851.5N
LOCATION	Colebrook Hill

FOOTAGE FROM	FOOTAGE TO	ROCK DESCRIPTION	MINERALISATION
0	30m	Non core drilling	
30	59m	Pale green fine grained volcanic wacke and siltstone, oxidised brown and purple brown in places and core often rubbly and occassionally clayey. Grading indicates downhole (west) facing. Cba 20°	Occassional thin quartz and quartz limonite veins and limonite coating on fractures
59	68.6m	Grey and dark grey partially oxidised fine-medium grained volcanic wacke and siltstone. Joints with limonite coating subparallel to core and core often rubbly Grading gives good down hole facing.	Limonite coating on fractures
		Base of significant oxidisation	
68.6	73.4m	Grey and dark grey volcanic wacke and siltstone with numerous oxidised cross cutting chlorite veinlets.	
73.4	82m	Dark grey siltstone and minor fine grained grey wacke	Thin conformable pyrite bands at 79 & 81m. Minor pyrite in veinlets.
82	87.1m	Grey brecciated volcanic wacke and siltstone with cross cutting chlorite veinlets.	
87.1	93.4	Green grey and dark grey fine to medium grained wacke with some siltstone brecciated into wacke. Irregular carbonate and quartz carbonate veins.	
93.4	94.5m	40cm cream dolomite vein through grey wacke with irregular dolomite filled tensions gashes.	Very minor chalcopyrite in dolomite vein
94.5	96m	Dark grey siltstone with irregular carbonate and quartz carbonate veins and tension gashes.	

04

SAMPLE No.	8-13 FROM	14-19 TO	CORE REC'D	Sample Length	20-25 Pb%	26-31 Zn%	32-37 Cu%	38-43 Ag - g/t	44-49 Au - g/t	50-55 Fe%		CORE REC'D RUN	CORE REC'D SHORT
												0	
												30	NR
												30.7	0.4
												31.2	0.1
												32	–
												33.2	–
												35	0.3
												36.9	1.0
												38	0.3
												39.7	–
												41	(+0.7)
												42.5	–
												44	–
												45	–
												47	–
												48.3	0.1
												50	–
												52.3	0.1
												54.5	0.1
												56	–
												57.4	–
												58.4	–
												59	–
												59.7	–
												60.3	–
												61.4	–
												62	–
												62.6	–
												63.2	–
												64.4	0.6
												66.4	0.4
												68	0.1
												68.6	–
												70.4	–
												71.8	–
												74.7	–
												75.5	–
												77	–

ASSAY DATA

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FOOTAGE FROM	FOOTAGE TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	CORE REC'D	ASSAY DATA Sample Length	20-25 Pb%	26-31 Zn%	32-37 Cu%	38-43 Ag - g/t	44-49 Au - g/t	50-55 Fe%		CORE REC'D RUN	CORE REC'D SHORT
96	104m	Green grey wacke with fragments of cherty siltstone. Some bedding subparallel to core but this is a zone of deformation. Irregular quartz carbonate veins.	98.5m 20cm vughy quartz+pyrite 100.2m thin carbonate vein with pyrite & pyrrhotite													78.9	0.4
																80	0.1
																82.6	–
																84.2	0.4
																85.1	0.9
104	109.4m	Dark grey tectonic breccia of predominantly siltstone with veins and bands of carbonate and sulphides. Core badly broken, slightly oxidised and partially leached.	Pyrite and minor arsenopyrite occur in veins and veinlets throughout the breccia zone. Average <5% sulphides. Main vein 106–106.9 at 30° to core.										87.1	0.4	}	86	–
													89	–		91.6	–
																92.4	(+1.0)
																94.4	0.4
																97.5	–
																100.7	–
																101.8	–
109.4	117m	Green grey medium grained volcanic wacke and siltstone slumped and soft sediment brecciated. Irregular carbonate veins, veinlets and tension gashes.	113.9m 3cm quartz+?shorl													103.3	–
																104.0	–
																105.9	–
																106.7	–
																107.7	–
117m	122m	Pale green grey siltstone and feldspar lithic wacke. Bedding disrupted.	Irregular black schorl veinlets													108.3	–
																109.4	–
																109.7	–
122	124.5m	Soft sediment breccia of volcanic wacke and siltstone fragments cut by numerous quartz carbonate veinlets	Minor pyrrhotite and traces schorl in replacements at 124.3m													110.9	–
																112.6	–
																115.7	–
																117.2	–
124.5	126.5m	Green grey medium grained volcanic wacke with quartz carbonate veinlets														117.7	0.2
																119	–
																122	–
126.5	133.4m	Soft sediment breccia with quartz filling open spaces in later tectonic brecciation Minor leaching.	5cm quartz + schorl vein at 128.5m.													125	–
																128	–
																131	–
																133.4	–
133.4	139.8m	Green grey volcanic wacke and siltstone Wacke contains some 5mm siltstone clasts	137.4 – 7cm quartz+carbonate+pyrite+pyrrhotite 1–3cm quartz+chalcopyrite+pyrrhotite veins at 135.9, 136, 136.6, 137, 138.5 139.8 – 2cm quartz+chalcopyrite +pyrite													136.5	–
																142.6	–
																143.6	–
																145.8	0.1
																149	–
																152	–
																153.6	–
																155	–
139.8	145.4	Irregularly sheared and brecciated volcanic wacke and siltstone with quartz and sulphides in open space fillings & veins. Weak green ?actinolite alteration. Youngest set quartz veins 30° to core axis.	5–10% pyrite+chalcopyrite in quartz veins and open space fillings													158	–
																161	–
																164	–
																167	–
																170	–

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FOOTAGE FROM	FOOTAGE TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	CORE REC'D	ASSAY DATA Sample Length	20-25 Pb%	26-31 Zn%	32-37 Cu%	38-43 Ag - g/t	44-49 Au - g/t	50-55 Fe%		CORE REC'D RUN	CORE REC'D SHORT
145.4	154m	Dark grey and green grey siltstone and volcanic wacke with mild actinolite alteration. Primary sedimentary features disrupted and sheared.	Several thin quartz+pyrite+ chalcopyrite veins at 45° to core axis													173 176 179 182 185 188	– – – – – –
154	170.9m	Green grey volcanic wacke and minor silt-stones disrupted by soft sediment deform-ation. Later tectonic breaks are rehealed by quartz+carbonate+sulphide veins. Mild actinolite alteration – especially around veins.	5% sulphides throughout with concentrations at: 154.3–154.9 pyrrhotite+pyrite in carbonate 157–158 pyrrhotite+magnetite in carbonate 160–160.4 pyrite+pyrrhotite in carbonate 154.9+169.8 minor arsenopyrite +pyrite and chalcopyrite													191 194 197 200 203 206 209 212 215 218 221	– – – – – – – – – – –
170.9	181.5	Purple grey siltstone and green grey wacke disrupted by primary sedimentary features Later tectonic breccia rehealed by carbon-ate veins and veinlets.	50cm dolomite rehealing breccia at 173.3 with minor pyrite and blades of magnetite.													224 227 EOH	– –
181.5	196m	Green grey volcanic wacke and purple grey siltstone with common thin carbonate veins.	182.2 – 2cm quartz+dolomite+ pyrite 185.7–186.4 brecciated silt-stone rehealed by carbonate with minor magnetite.														
196	199.5m	Green grey thin bedded dolomitic marl and marly siltstone. Micro brecciation rehealed by chlorite veinlets and later ?tectonic breccia rehealed by dolomite. Cba 50° but often disrupted. Many dolomite veins 70° to core.															
199.5	204.5m	Slump brecciated dark grey and green grey siltstone – weak chloritic alteration	204.0 20cm quartz+chalcopyrite+ pyrrhotite replacing siltstone														
204.5	209m	Green grey medium grained lithic wacke and marly siltstone. Numerous dolomite veins and tension gashes.															
209	211m	Slump brecciated dark grey siltstone and fine grained volcanic wacke – chlorite veinlets															

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FOOTAGE FROM	FOOTAGE TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	CORE REC'D	ASSAY DATA Sample Length	20-25 Pb%	26-31 Zn%	32-37 Cu%	38-43 Ag - g/t	44-49 Au - g/t	50-55 Fe%		CORE REC'D RUN	CORE REC'D SHORT
211	215.3m	Slump brecciated siltstone and volcanic wacke. Fault gouge at 211.3 at 30° to core	Several thin pyrite+chalcopyrite ± pyrrhotite veins 30° to core														
215.3	221m	Slump brecciated dark green grey siltstone and volcanic wacke-chlorite veinlets and weak chloritic alteration.	217.1 – 1cm quartz+pyrite+ chalcopyrite 219.8 – 5mm chalcopyrite+pyrite 220.8 – 3cm quartz+pyrite+ chalcopyrite														
221	227m EOH	Dark green grey siltstone and fine grained volcanic wacke disrupted by soft dediment deformation. Numerous chlorite veinlets.															
		Thin Section Sample 53376 218.0m Refer to C.M.S. Report 83/9/35															

D.D.H. CHP 243 ANALYTICAL RESULTS

Sample Type
S = ½ core split
F = Fillet.

Sample No.	Depth From	Depth To	Sample Interval	Sn	As	Ag	Cu	Pb	Zn	Mn	Fe%	Cr
53815F	30.0	33.0	3.0	3	9	1.0	2150	5	165	1050	10.50	65
16F	33.0	37.0	4.0	X	2	0.5	2850	5	220	1000	10.00	50
17F	37.0	41.0	4.0	3	2	X	490	5	190	635	8.70	70
18F	41.0	44.0	3.0	52	3	X	80	10	120	1400	4.60	15
19F	44.0	47.0	3.0	5	1	X	75	X	115	560	4.25	10
53820F	47.0	50.0	3.0	61	1	X	95	X	105	300	4.85	20
21F	50.0	53.0	3.0	71	1	X	185	X	135	505	5.60	15
22F	53.0	56.0	3.0	5	X	0.5	475	5	195	690	9.80	50
23F	56.0	59.0	3.0	3	6	1.0	470	X	170	950	9.60	60
24F	59.0	62.0	3.0	9	19	X	280	10	160	1150	11.00	100
25F	62.0	65.0	3.0	5	6	0.5	105	X	155	890	9.10	75
26F	65.0	68.0	3.0	5	22	0.5	140	10	195	3400	9.50	215
27F	68.0	71.0	3.0	3	24	1.0	145	30	195	1500	7.15	115
28F	71.0	74.0	3.0	4	36	3.0	135	45	380	3300	7.10	105
29F	74.0	77.0	3.0	17	40	2.0	175	180	430	6150	7.00	50
53830F	77.0	80.0	3.0	14	64	1.0	145	95	340	4950	2.75	20
31F	80.0	83.0	3.0	4	62	1.0	140	40	130	8600	6.95	30
32F	83.0	86.0	3.0	26	61	1.0	205	10	190	3900	7.90	65
33F	86.0	89.0	3.0	12	16	0.5	110	X	135	1750	8.90	70
34F	89.0	92.0	3.0	9	3	X	30	X	115	1850	6.60	85
35F	92.0	94.0	2.0	X	3	X	205	5	125	2100	7.90	95
36F	94.0	95.0	1.0	4	X	X	80	10	115	1200	7.25	80
37F	95.0	98.0	3.0	3	2	X	160	X	115	1250	8.30	75
38F	98.0	101.0	3.0	X	4	0.5	100	X	115	1450	7.45	60
39F	101.0	104.0	3.0	3	23	X	110	X	105	1600	5.90	35
53840S	104.0	105.0	1.0	924	190	X	270	15	60	1500	5.40	50
41S	105.0	106.0	1.0	38	11	X	235	10	55	890	4.65	60
42S	106.0	107.0	1.0	1440	2600	X	4300	5	105	1.35%	13.00	135
43S	107.0	108.0	1.0	818	200	X	1500	10	115	7350	12.50	100
44S	108.0	109.0	1.0	295	53	X	225	5	130	6000	12.50	70
45S	109.0	110.0	1.0	25	18	X	80	5	110	1300	8.25	65
46F	110.0	113.0	3.0	X	10	X	40	X	115	1500	7.70	70
47F	113.0	117.0	4.0	X	3	X	40	X	130	1400	7.30	55
48F	117.0	119.0	2.0	X	X	X	70	5	165	1900	7.65	110
49F	119.0	122.0	3.0	X	X	X	65	10	170	805	7.00	80
53850F	122.0	125.0	3.0	X	X	X	85	5	185	1200	7.35	85
51F	125.0	128.0	3.0	3	X	X	80	X	175	895	7.15	70
52F	128.0	131.0	3.0	4	2	X	95	5	170	1300	7.70	75
53F	131.0	135.0	4.0	12	8	X	80	X	155	1050	11.00	115
54S	135.0	136.0	1.0	15	37	X	90	X	130	930	12.00	160
53855S	136.0	137.0	1.0	19	1000	X	870	X	135	910	12.50	150

D.D.H. CHP 243 ANALYTICAL RESULTS

Sample Type
S = ½ core split
F = Fillet.

Sample No.	Depth From	Depth To	Sample Interval	Sn	As	Ag	Cu	Pb	Zn	Mn	Fe%	Cr
538565	137.0	138.0	1.0	69	19	X	605	5	120	1450	14.90	140
57S	138.0	139.5	1.5	72	56	X	260	5	105	1050	13.00	125
58S	139.5	140.5	1.0	39	20	X	3400	5	120	1200	9.90	200
59S	140.5	142.0	1.5	59	11	X	15	X	90	1450	11.50	115
538 60S	142.0	143.0	1.0	163	13	X	140	X	100	1350	13.50	145
61S	143.0	144.0	1.0	1280	450	X	290	X	125	2100	12.00	110
62S	144.0	145.4	1.4	97	13	X	800	5	80	1200	10.50	115
63F	145.4	149.0	3.6	152	18	X	410	X	115	1100	12.50	110
64F	149.0	152.0	3.0	63	9	X	5	X	115	950	14.00	65
65F	152.0	154.0	2.0	346	82	0.5	915	X	120	1300	12.00	75
66S	154.0	155.0	1.0	3030	5000	X	3550	X	95	4450	12.00	115
67S	155.0	156.0	1.0	130	41	X	25	X	80	1200	11.00	115
68S	156.0	157.0	1.0	940	55	X	475	X	90	3100	12.50	90
69S	157.0	158.0	1.0	979	20	X	170	5	80	6200	14.50	125
538 70S	158.0	159.0	1.0	64	210	X	360	5	115	1100	13.50	130
71S	159.0	160.0	1.0	33	20	X	35	X	100	870	13.00	150
72S	160.0	161.0	1.0	365	280	X	755	X	95	1300	12.00	130
73S	161.0	162.0	1.0	309	31	X	205	X	90	1550	12.00	185
74S	162.0	163.0	1.0	171	68	X	300	5	105	1400	13.50	155
75S	163.0	164.0	1.0	121	4000	X	890	5	125	890	11.50	140
76S	164.0	165.0	1.0	557	60	X	220	5	115	940	12.50	95
77S	165.0	166.0	1.0	73	74	X	235	X	115	895	11.50	110
78S	166.0	167.0	1.0	129	316	X	380	X	105	910	11.50	125
79S	167.0	168.0	1.0	98	880	X	170	X	100	725	9.90	110
538 80S	168.0	169.0	1.0	486	180	X	155	5	125	920	12.00	125
81S	169.0	170.0	1.0	1200	3500	X	1400	X	180	890	11.50	90
82S	170.0	171.0	1.0	438	35	X	385	X	105	845	11.50	65
83F	171.0	173.0	2.0	941	3	X	415	X	115	1200	11.00	75
84F	173.0	176.0	3.0	7	7	X	10	X	85	1850	6.65	40
85F	176.0	179.0	3.0	5	X	X	10	X	110	1050	6.65	90
86F	179.0	182.0	3.0	7	X	X	50	X	155	895	6.90	85
87F	182.0	185.0	3.0	28	X	X	150	5	150	1050	7.30	90
88F	185.0	188.0	3.0	4	X	X	55	X	90	2000	7.10	60
89F	188.0	191.0	3.0	7	X	X	30	X	105	1200	6.70	80
538 90F	191.0	194.0	3.0	X	1	X	90	X	110	2200	6.80	75
91F	194.0	197.0	3.0	8	11	X	65	X	90	1450	6.50	30
92F	197.0	200.0	3.0	32	21	X	75	5	90	1800	6.20	25
93F	200.0	203.0	3.0	15	20	X	40	X	90	1200	7.45	25
94F	203.0	206.0	3.0	29	71	0.5	775	X	115	850	10.50	55
95F	206.0	209.0	3.0	34	23	X	160	X	95	1200	8.30	35
538 96F	209.0	212.0	3.0	129	78	X	160	10	85	660	9.65	40

D.D.H. CHP 243 ANALYTICAL RESULTS

Sample Type
S = ½ core split
F = Fillet.

Sample No.	Depth From	Depth To	Sample Interval	Sn	As	Ag	Cu	Pb	Zn	Mn	Fe%	Cr
53897F	212·0	215·0	3·0	61	82	1·0	1950	x	120	760	13·50	70
98F	215·0	218·0	3·0	1110	23	1·0	1850	x	120	805	13·50	80
53899F	218·0	221·0	3·0	17	11	1·0	840	x	110	795	11·50	75
53900F	221·0	224·0	3·0	34	95	1·5	1700	5	130	965	13·00	60
53970F	224·0	227·0	3·0	20	12	0·5	10	x	105	770	11·50	55