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486052.

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

DIAMOND DRILL CORE RECORD

01 HOLE No. (3-7) DDH RRP 239

LOCATION E.L. 1/62 Mt. BLACK – Ring River Grid.

OBJECTIVE To test a large magnetic anomaly which modelling had indicated could be due to a discrete mineralisation source.

RESULT Weak Fe-As-Ag sulphides intersected in a fault zone. Neither the mineralisation nor the lithologies encountered can account for the magnetic anomaly.

TOTAL DEPTH	568.5 m
HOLE SIZE	H.Q. 30.5 m N.Q. 345.0 m B.Q. 568.5 m
COMMENCED	3rd June 1983
COMPLETED	16th July 1983
LOGGED BY	Ian. McDonald.

03

8-12 Depth (m)	13-16 Direction	17-18-21 Dip.	8-12 Depth (m)	13-16 Direction	17-18-21 Dip.
43 m	079°AMG.	-60°	294 m	082.5°	-58°
85 m	079°	58.5°	330 m	081°	58°
118 m	080°	58°	385 m	083°	58.5°
180 m	078°	59°	473m	081°	59°
250 m	080°	58.5°	565m	086°	59°

02

COLLAR DIP. (12-15) −60°
DIRECTION (16-19) 080° AMG.
R.L. (20-23) 440.9 m.
CO-ORDS. 5,367,087.4 mN
374,114.5 m E

Depth (m) FROM	TO	ROCK DESCRIPTION	MINERALISATION
0	3.5	Zone of oxidation and broken core. Iron oxide staining abundant, especially in finer grained rocks. Core loss average 30% over total interval; more lost from finer-grained rocks.	
0	9.3	Very broken iron stained dark grey siltstone with clasts and disrupted laminae of pale grey fine grained sandstone. Solution pits and cavities after carbonate veins are common	
9.3	11.5	Pale grey m.g. massive quartz arenite with iron oxide staining on joint surfaces and thin carbonate veins – now largely trails of solution cavities	
11.5	20.1	Very broken core largely iron oxide stained dark grey siltstone as per 0–9.3m. with scattered larger fragments of quartzite representing thin bands as per 9.3–11.5m. 16.5–19.5 Fragments of soft greenish grey cleaved chlorite spotted mudstone.	

04

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
												5.0	4.5
												6.3	0.5
												7.9	1.2
												11.8	0.2
												12.2	–
												15.0	–
												13.7	0.2
												15.7	1.0
												16.4	–
												19.1	1.9
												24.3	–
												25.0	0.2
												25.9	0.2
												30.2	–
												31.7	0.1
												93.2	–
												94.2	0.4
												95.1	0.2
												96.2	0.2
												568.5	–

SAMPLE No.	8-13 FROM	14-19 TO	CORE REC'D	ASSAY DATA: Sample Length	Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
57924	8.0	8.5	0.5	0.5	8			85	X	30	26.5	60	170	3.35	55
57925	10.0	10.5	0.6	0.6	8			51	0.5	50	35	40	240	1.00	40
57926	16.0	16.5	0.5	0.5	6			51	X	55	11.0	40	240	1.56	40

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

DIAMOND DRILL CORE RECORD

HOLE No. RRP 239

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
20·1	22·0	Pale grey f-m.g. Quartz Arenite as per 9·3-11·5m.		57927	21·0	21·5	0·5	X			4	X	20	5	35	115	0·55	25
22·0	24·8	Breccia. Disrupted laminae of dark grey to black Siltstone and pale grey f-m.g. Quartz Sandstone and pale grey f.g. lithic arenite. The dark siltstone forms a matrix to clasts and disrupted ?beds of sandstone. Locally bedding is less disrupted and varies from 5° to 50°		57928	23·0	23·5	0·5	X			39	0·5	25	45	40	65	1·70	·20
24·8	27·2	Pale grey f-m.g. Quartz Arenite as per 9·3-11·5m.																
27·2	28·7	Grey f-m.g. Lithic Arenite. Quartzo-feldspathic ?volcanic liths plus black ?mudstone liths. Core weakly oxidised and very broken		57929	28·0	28·5	0·5	X			14	X	25	5	35	260	0·80	40
28·7	29·1	Core very broken. Mixture of pale grey siliceous Siltstone and dark grey to black argillaceous Siltstone.	Trace to 1% m.g. dissem. pyrite															
29·1	30·0	Grey f.g. massive Quartzite. Minor Iron oxide staining on joint surfaces	Trace dissem py. associated with thin carbonate veins.															
30·0	31·5	Brownish-green wk-mod oxidised m.g. Quartz-Lithic-Arenite with abundant thin carbonate veins. Core very broken																

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

DIAMOND DRILL CORE RECORD

HOLE No. R.R.P. 239
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
31·5	33·5	Grey f.g. Quartz-(lithic) Arenite Lithic grains are felsic. Thin brown weathering carbonate veins fore broken round the lower contact but it appears gradational	Traces disseminated pyrite mainly associated with carbonate veins	57930	32·0	32·5	0·5	X			14	X	10	65	40	680	2·15	40
33·5	39·7	Pale blue grey Lithic Crystal Felsic Tuff. Black mudstone liths; pale ?rhyolitic liths, and coarser carbonate (?liths or replacements) set in a fine quartzo-feldspathic matrix Thin carbonate veinlets Lower contact gradational		57931	35·0	35·5	0·5	X			14	0·5	15	45	105	2950	5·85	35
39·7	42·3	Grey mottled m-cg. Lithic Crystal Felsic Tuff Liths as per unit above but coarser grained and with less carbonate. Less matrix may imply reworking of the tuff. Lower contact is irregular, average 60°. Normal Sedimentary contact Flame structures imply up-hole facing With Sample No 43861 - Thin section		57932	39·5	40·0	0·5	X			9	X	5	20	45	1450	5·20	20
42·3	67·9	Laminated dark grey Siltstone and pale grey f.g. Quartz-Lithic Wacke. Lithic grains are felsic volcanic Laminae or beds vary from about 1mm to 15mm thick. Beds are frequently disrupted and display micro-faulting, slumping and brecciated textures. Where		57933	46·0	46·5	0·5	X			77	0·5	95	25	35	1050	2·95	25

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

DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr	CORE RECD
		relatively undisrupted, the beds are undulose. Orange weathering carbonate occurs as cross-cutting veins and as thin conformable beds																	
		45·4m 40mm wide quartz-carbonate vein at 40°																	
		48·5 - 48·7 Quartz-carbonate vein with 2% hematite at 35° Core broken. Possible fault zone infilling?																	
		59·9 - 60·0 Broken quartz-carb vein @ 55°																	
		61·2 - 61·3 " " " " 65°																	
		61·6 - 61·7 " " " " 50°																	
		42·3 - 44·4 Bedding Angle 55-65°																	
		44·4 - 45·4 " " 20°		57934	55·0	55·5	0·5	X			47	X	75	5	35	1000	3·55	25	
		45·4 - 46·0 " " irregular																	
		46·0 - 47·7 " " sub-parallel																	
		47·7 - 48·5 " " irregular mainly 10-30°																	
		48·7 - 51·7 " " irregular																	
		51·7 - 55·6 " " 25 - 30°																	
		55·6 - 57·8 " " irregular to sub-parallel																	
		57·8 - 61·2 " " 10 - 15°																	
		61·2 - 62·5 " " Sub-parallel																	
		62·5 - 64·5 " " 15°																	
		64·5 - 67·9 " " Increase from 30° to 40°																	
		A weak penetrative cleavage occurs throughout at about 5° Facing evidence is not good and																	

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

DIAMOND DRILL CORE RECORD

HOLE No. R.R.P 239
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		seems equivocal. A combination of grading and flame structures at about 67.5 m suggests up-hole facing but is not definite.		57935	65.0	65.5	0.5	3			51	0.5	50	5	35	640	2.95	20
67.9	68.1	Contact zone is a breccia composed of grey very f.g. ?ash containing clasts of black Siltstone, porphyritic Tuff and Cherty Siltstone, and is extensively veined by white carbonate especially in the more siltstone rich section from 67.9 to 68.0 Lower contact is irregular but about 50-55°	Minor c.g. pyrite.															
68.1	78.1	Grey porphyritic Crystal Lithic Felsic Tuff Liths up to 10mm. average 2mm. Black mudstone liths, pale greenish grey rhyolite liths and orange weathering carbonate ? after feldspar crystals in a weakly bedded quartz sericite ± carbonate matrix. ~ Scattered thin carbonate veins 68.1 - 68.4 Contains Large (30mm thick over entire core) Black Siltstone liths. 68.1 - 68.8 Grain size coarser than remainder of unit 71.2 - 72.35 Massive carbonate-quartz vein @ 70° 77.6 - 78.1 Lower contact zone composed almost entirely of Lithic fragments and crystals with reduced matrix Increased thin carbonate veining.	Trace disseminated pyrite.	57936	70.0	70.5	0.5	X			7	X	10	15	30	900	3.15	25

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

DIAMOND DRILL CORE RECORD

HOLE No. RRP 239
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		Lower contact is broken core round a quartz – carbonate vein at 80°																
		72·0 Sample No. 43862 – Thin Section.																
78·1	83·0	Laminated dark grey Siltstone and f.g. Felsic Lithic Wacke' as per 42·3 – 67·9.																
		78·1 – 83·0 Core very broken and strongly carbonate veined.		57937	81·0	81·5	0·5	X			25	X	80	10	20	870	3·10	20
		80·3 – 83·0 Bedding angle 25° Suggestion of downhole facing from grading but not definite																
		Lower contact is very gradational There is a steady decrease in the ammount of pale grey wacke' and increase in dark grey & black siltstone and mudstone.																
83·0	95·0	Dominantly dark grey to black Siltstone and Mudstone with lesser ammounts of interbeds of pale grey f.g. Lithic Wacke' and Siltstone Orange-weathering carbonate occurs as cross-cutting veins and more rarely as thin impersistant conformable 'beds' A weak penetrative cleavage occurs throughout at about 5°																
		87·0 – 87·2 Thick quartz – carbonate veins, cavealing a tectonic breccia Possible Fault zone		57938	89·0	89·5	0·5	X			72	X	100	10	35	830	3·45	15
		87·2 – 90·0 More laminated section with sub-parallel bedding angle.																
		90·0 – 95·0 Core very broken with more																

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

HOLE No. RRP 239
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		abundant thin carbonate veins and occasional quartz-carbonate veins up to 20mm thick																
95·0	95·2	Contact Zone. Breccia with a matrix of Black Mudstone and clasts of underlying micaceous Quartzite. Clasts become dominant and form entire rock downwards. Core very broken																
95·2	106·4	Grey Fg. Micaceous Quartz Wacke' Framework grains mainly quartz plus minor mudstone liths. Thin irregular brown-weathering carbonate veins.																
		95·2 - 96·8 Interbeds of black mudstone with slump breccia textures																
		97·0 - 97·1 Breccia. Mudstone matrix with micaceous quartz wacke' clasts																
		99·6 - 99·7 Interbeds of black Mudstone up to 10mm thick @ 55°																
		100·1 - 100·2 Breccia. Mudstone matrix with micaceous quartz wacke clasts																
		100·2 - 100·4 Thin (2mm) Black Mudstone interbeds @ 35°		57939	100·0	100·5	0·5	X			8	X	20	15	35	900	1·60	100
		100·9 - 106·4 Zones of irregular Mudstone intercallations. Generally as matrix to clasts of micaceous quartz wacke' Look like thin soft-sediment breccia zones.																
		97·5 Sample No 43863 : Thin Section																

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
106·4	109·8	Transitional contact zone of decreasing Quartz-Wacke and increasing Breccia but with occasional large clasts of Wacke		57940	104·5	105·0	0·5	X			11	X	15	40	30	710	1·40	60
		109·0 – 109·8 Very strongly carbonate veined Breccia. Yellow-weathering carbonate veins form 50% of rock. Contacts on zone of veining are 20°																
109·8	121·1	Breccias Soft-sediment, mass-flow style Breccias. A dark grey to black Mudstone to Siltstone matrix supports approximately 40% of clasts. Clasts range from 1mm to greater than 100mm and are dominantly composed of f-mg Quartz-Lithic Wacke. The clasts are preferentially replaced by orange-weathering carbonate. Lower contact irregular about 45°	Trace to minor Pyrite as weak disseminations and as fragmental clasts up to 3mm.	57941	115·0	115·5	0·5	X			20	X	20	25	50	880	3·00	40
121·1	121·4	Conglomerate (Sensu-Stricto Diamictite) Poorly sorted, polymictic. Clasts range from 1mm up to 8mm and comprise Black Siltstone, Grey fg Quartz Arenite, Buff Quartz-Feldspar Arenite, Pale greenish grey fg Felsic Lithic Tuff. Some clasts are carbonate veined. Later carbonate veins cut across entire rock fabric. Lower contact 60°																

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr	CORE RECOV
121·4	122·2	Poorly bedded grey fg. Quartz-Lithic Wacke with whispy interbeds up to 3mm thick of yellow to grey sericite rich Siltstone, and rare whispy beds of m-cg. Tuffaceous Wacke. Bedding angle 20° 121·75 – 122·1 Approximately 30% of core on a subparallel contact is Conglomerate as per 121·1 – 121·4 Lower contact 25°																	
122·2	122·4	Grey f-mg. Quartz-Feldspar-Lithic Wacke with abundant thin brown-weathering carbonate veins. May be a disrupted bed or a megaclast in conglomerate. Lower contact 25°																	
122·4	123·3	Conglomerate as per 121·1 – 121·4 Lower contact irregular about 25°		57942	122·5	123·0	0·5	X			12	X	170	10	90	950	4·40	50	
123·3	124·1	Dark grey Siltstone with disrupted beds and clasts of grey f-mg. Quartz-Feldspar-lithic Wacke. Looks like slump brecciation. Orange weathering carbonate preferentially veins and replaces clasts. Weak bedding 15–20° Lower contact 40°		57943	123·5	124·0	0·5	X			11	X	30	10	75	1100	3·15	40	
124·1	124·3	Conglomerate as per 121·1 – 121·4 Lower contact 45°																	

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr	CORE RECOVERY
124·3	135·0	Interbedded grey to dark grey Siltstone and Fg Lithic Sandstone with pale grey to buff f-mg and mg Quartz-Feldspar-Lithic Wacke. Siltstone comprises about 60% of core. Wackes occur as discrete beds with usually irregular contacts, and as disrupted beds and clasts in a slump breccia texture. The coarser grained lithology is preferentially veined and replaced by orange to buff-weathering carbonate. 128·5 - 128·7 Bedding sub parallel.																	
		130·0 - 130·5 Bedding 30° Grading in wacke to siltstone implies down-hole facing		57944	130·0	130·5	0·5	X			11	X	15	5	35	1050	2·45	35	
		130·5 - 133·5 Breccia texture more dominant. Lower Contact 40°																	
135·0	135·4	Conglomerate as per 121·1 - 121·4 but with additional clasts of milky white quartz and more abundant Lithic tuff clasts. Lower contact diffuse.																	
135·4	137·3	Greenish-buff Slump Breccia of micaceous Mudstone and Siltstone and f-mg feldspathic Sandstone. Carbonate veining and carbonate replacement of ?feldspar grains is common. Weak bedding 20-25° Lower Contact 40°	Trace very fine grained Pyrite	57945	136·0	136·5	0·5	X			20	X	145	205	140	1950	5·25	50	

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr	CORE RECOV
		137·0 Sample No 43864 - Thin Section																	
137·3	138·5	Conglomerate as per 135·0-135·4 lower contact very diffuse through a zone of increasing clast size and development of a more distinct siltstone matrix.																	
138·5	166·5	Mass Flow Breccias Dominantly black to dark grey Mudstone with varying amounts of buff carbonated and carbonate veined Quartz-Lithic Wacke' The Wacke' occurs as breccia clasts and as disrupted beds. Weak cleavage throughout sub parallel to 10°		57946	140·0	140·5	0·5	x			25	x	20	30	50	1050	3·10	35	
		139·1 - 139·35 Conglomerate as per 135·0 - 135·4																	
		139·35 - 141·1 Breccia texture dominant																	
		141·1 - 142·9 Carbonated Quartz-Lithic Wacke' is dominant phase																	
		147·4 - 149·7 Black Mudstone only with minor carbonate veins May be graphitic																	
		150·3 - 150·9 Black Mudstone		57947	150·0	150·5	0·5	x			17	x	30	15	35	550	2·30	35	
		152·1 - 155·5 Carbonated beds of wacke' are less disrupted and display a weak banding at about 40°																	
		155·5 - 159·8 Black Mudstone as per 147·4 - 149·7																	
		158·0 - 166·5 Core contains increasing broken zones		57948	158·0	158·5	0·5	x			88	x	30	55	60	650	2·25	35	
		164·1 - 166·5 Breccia texture dominant																	
166·5	166·8	White Quartz + minor carbonate vein with inclusions of siltstone breccia																	

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
166·8	167·0	Broken Black Mudstone																
167·0	167·6	White Quartz + minor carbonate Vein																
167·6	168·0	Breccia Black Mudstone matrix with clasts of quartz vein and carbonated Wacke' and with thin carbonate veins		57949	167·6	168·0	0·4	6			54	X	30	15	30	3050	3·15	65
168·0	168·5	Buff Carbonate (? siderite) – quartz Vein plus small included fragments of siltstone. Carbonate is coarsely crystaline	2% f-mg Pyrite lining vugs															
168·5	168·9	White Quartz Vein with minor carbonate and inclusions of Siltstone																
168·9	170·4	Mainly dark grey to black Siltstone Core very broken Clasts and disrupted beds of f-g Quartz-Lithic-Wacke' occur with carbonate veins and breccia clasts. Quartz veins less common 169·4 – 169·5 Quartz – carbonate vein. 170·3 – 170·4 Quartz – minor carbonate vein with inclusions of Siltstone		57950	169·0	169·5	0·5	5			68	0·5	10	20	45	1600	3·30	50
		Entire zone from 166·5 – 170·4 looks like a fairly major fault or fracture																
170·4	171·8	Siltstone Breccia Dark grey to black Siltstone as matrix to clasts and disrupted beds of pale grey f-mg Quartz-Lithic Arenite Thin quartz and carbonate	Trace to less than 1% f-g disseminated Pyrite	57951	171·0	171·5	0·5	X			91	X	20	40	45	1500	2·10	40

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

HOLE No. RRP 239
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FOOTAGE FROM	FOOTAGE TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	CORE RECO Cr
		veins have several orientations but most common is about 40°																
171·8	176·6	Dark grey Siltstone with minor irregular interbeds or clasts of fg strongly carbonated, yellow weathering Arenite. Yellow weathering carbonate veins common Weak penetrative cleavage 15°		57952	175·0	175·5	0·5	X			74	X	15	15	20	830	2·05	30
		174·2 ? Bedding angle ~ 15°, shows a small slump fold.																
		175·7 Bedding angle 50° Very poor equivocal grading suggests up hole to up sequence.																
		Lower contact is carbonate vein @ 60°																
176·6	188·4	Sedimentary Mass Flow style Breccia. Dark grey to black Mudstone – Siltstone matrix contains clasts, dominantly of grey f-mg Quartz-Lithic Arenite and minor grey Quartzite. Clasts range from 2mm up to discrupted "beds" of greater than 100mm. In total clast to matrix is close to 1:1 Thin quartz and orange weathering carbonate veins are random. Weak Cleavage slightly variable 10-25°	Pyrite occurs preferentially with the arenites and in places partially and totally replaces clasts. Total Pyrite content about 1%.	57953	179·5	180·0	0·5	X			24	X	20	15	30	710	2·25	80
				57954	185·0	185·5	0·5	X			52	X	35	25	20	190	1·95	30
		178·6-177·7 Quartz - carbonate vein @ 50°																
		179·4 60mm Quartz - carbonate vein @ 85°																
		183·4 Sample No 43865 · Thin Section.																

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

HOLE No. RRP 239
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FOOTAGE FROM	FOOTAGE TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	CORE RECD Cr
188·4	190·0	Sedimentary Breccia. Disrupted caterbeds of grey fg Lithic Wacke and f-mg and mg Quartz-Lithic Arenite. Bedding or ? slump banding @ 20° Weak cleavage 10-15° Contacts gradational.																
190·0	193·0	Grey massive f-mg Felsic Lithic Wacke' Thin Yellow-weathering carbonate veins. Lower contact gradational into slump breccia with bedding @ 30°		57955	191·0	191·5	0·5	X			34	X	45	X	35	650	2·95	50
193·0	198·5	Sedimentary Breccia as per 188·4-190·0 195·8-196·2 ? Bed of mg Felsic Tuffaceous Wacke' Framework grains are strongly carbonated with yellow weathering carbonate. 197·2-198·5 Breccia texture more pronounced with an increasing ammount of siltstone matrix. Lower contact irregular with carbonate veins.		57956	195·0	195·5	0·5	X			19	X	15	X	25	560	3·40	55
198·5	199·9	Grey f-mg Felsic Lithic Wacke' as per 190·0 – 193·0																
199·9	200·7	Contact zone containing a mixture of Wacke' as above and Breccia as below.																

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

DIAMOND DRILL CORE RECORD

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FOOTAGE FROM	FOOTAGE TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
200·7	211·2	Sedimentary Breccia as per 176·6-188·4		57957	205·5	206·0	0·5	x			26	x	25	·15	115	960	320	45
211·2	214·1	Grey mg. Felsic Lithic Wacke and Lesser Lithic Arenite. Generally massive but with some slump textures. Thin yellow-weathering carbonate veins.		57958	212·0	212·5	0·5	x			2	x	10	45	45	740	2·15	95
		212·6-213·1 Breccia as per 176·6-188·4. Maximum clast size ~ 30mm. With contacts @ 25°.																
		Lower contact 35°																
214·1	216·2	Pale greenish-grey mg Felsic Tuffaceous Wacke with whispy interbeds of grey mudstone which impart a breccia texture to the rock. Thin yellow-weathering carbonate veins. Lower contact diffuse ~15°		57959	215·0	215·5	0·5	x			12	x	20	x	45	390	3·20	260
		215·8-215·9 Large clast of a polymict quartz rich Breccia with clasts up to 4mm. Contains bright apple-green sericite-hydromuscovite stained clasts																
		215·85 Sample No 43866 Thin Section.																
216·2	217·3	Pale grey f.g. sheared Orthoquartzite with scattered carbonate, chlorite and feldspar grains. Lower Contact 25°	Chromite occurs in detrital heavy mineral bands	57960	216·5	217·0	0·5	x			10	x	10	10	50	600	2·10	575
		217·2 Sample No 43867 - Thin Section.																
217·3	228·7	Siltstone Slump Breccias Dominantly																

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

DIAMOND DRILL CORE RECORD

HOLE No. RRP 239
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		dark grey Siltstones contain discupted beds and clasts of yellow weathering strongly carbonated Felsic Lithic Arenite Bedding irregular from sub-parallel to 20° Weak penetrative cleavage 10-15° Cleavage to bedding angle approx 25° Lower contact 25°																
228·7	235·4	Sedimentary Breccias as per 176·6-188·4 They differ from the overlying unit in having much less carbonate, a more definite matrix supported breccia texture and much less clear bedding.		57962	230·0	230·5	0·5	x			40	x	5	35	35	1350	2·20	25
235·4	235·6	Massive creamy-yellow weathering, coarsely crystalline Carbonate Vein. Upper contact irregular about 80° Lower contact sharp 45° Possible carbonate filled fault or fracture zone.																
235·6	236·0	Pale brownish grey very f-g Argillaceous Chert Sericite-carbonate veinlets. Lower contact 45° 235·8 Sample No 43868 - Thin Section																
236·0	240·4	Sedimentary Slump Breccia Dark grey Siltstone, brown weathering strongly carbonated f-g Tuffaceous Wacke and f-g Chert form a chaotic breccia with abundant thin carbonate veins. 236·2-237·0 large clasts or blocks of		57963	237·0	237·5	0·5	x			210	0·5	40	30	65	3500	5·25	40

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

DIAMOND DRILL CORE RECORD

HOLE No. RRP 239
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		blocks of Chert as per 235·6 - 236·0																
		238·3 - 238·5 Band or large clast of greenish grey f.g. Felsic Lithic Tuff. Degraded Feldspathic liths and black shale liths in a weakly carbonate matrix. Contacts irregular.																
		Lower contact 30°																
240·1	240·5	Greenish-grey mg. Lithic Felsic Tuff. Felsic volcanic liths, black shale liths, and sericised and carbonated feldspar liths up to 3mm. Lower contact irregular about 60°																
240·5	241·7	Brecciated pale purplish grey, very f.g. possible pelitic Vitric Ash. Probably an Argillaceous Chert as per 235·6-236·0. Contains inclusions of dark grey Siltstone, thin random chlorite veinlets and brown-weathering carbonate veins. Lower contact 30°		57964	241·0	241·5	0·5	X			41	0·5	5	20	110	5800	8·70	65
241·7	247·0	Sedimentary Breccia Pale greenish grey mg. Tuffaceous Wacke' and dark grey Siltstone form contorted slump breccia with brown-weathering carbonate veins increasing downwards. Lower contact gradational		57965	245·0	245·5	0·5	X			38	1·0	185	25	120	1·15%	8·70	375

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

DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
247.0	248.3	Sedimentary Breccia. Dark grey Siltstone, pale brownish grey Argillaceous Chert greenish carbonated Tuffaceous Wacke, and yellow sericitic Mudstone form a contorted clump breccia. Lower contact gradational																
248.3	258.0	Dark grey Siltstone with scattered clasts of yellow carbonated Lithic Sandstone and occasional thin carbonate veins Lower contact 35°		57966	250.0	250.5	0.5	X			22	X	20	20	95	3200	8.15	95
251.0	254.3	Sedimentary Breccia similar to 247.0-248.3, but with increased sericitic f.g. Lithic Vitric Tuff component 252.9 - 253.5 More siltstone rich section with coarse banding @ 35° Lower Contact 20°	1% f.g. disseminated Pyrite.	57967	252.0	252.5	0.5	X			9	X	10	15	85	2050	7.15	70
254.3	254.8	Massive coarsely crystaline orange-weathering Carbonate + quartz Vein ? Possible Fault zone Lower contact 25°																
254.3	256.9	Sedimentary Breccia as per 176.6-188.4 Lower contact irregular about 20°																
256.9	260.4	Dark grey to black mainly massive Siltstone Occasional clasts and small disrupted bands of grey f.g. Lithic Arenite which are frequently strongly carbonated		57968	259.0	259.5	0.5	X			62	4.0	200	60	90	4500	7.25	65

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

DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		258.2 – 258.6 Pale brownish grey strongly carbonated f-mg Tuffaceous Wacke' with internal slump/flow structures. Contacts Upper 60°, Lower 35° Lower contact gradational.																
260.4	262.0	Green-grey f-mg chloritised Tuffaceous Wacke' with internal slump structures and interbeds/ inclusions of dark grey Siltstone Contact grad. 262.0 Sample No. 43869 Thin Section		57969	261.0	261.5	0.5	X			41	0.5	20	30	125	6500	11.50	255
262.0	263.0	Grey massive f-mg Felsic Lithic Wacke' Lower contact diffuse ~ 25°																
263.0	264.7	Greenish grey carbonated Tectonically Brecciated f-mg Wacke' with Siltstone fragments and increasing carbonate veins, clots and matrix. Lower contact gradational over increasing carbonate content.																
264.7	266.6	Tectonic Breccia, annealed by cream weathering carbonate Rock is +70% carbonate with relict fragments of fg. sediment. Lower contact gradational		57970	265.0	265.5	0.5	X			4	X	10	20	85	3510	7.55	85
266.6	270.4	Sedimentary Breccia Mainly grey f-mg Felsic Lithic Wacke with jumbled intraclasts of dark grey Siltstone. Variably carbonated and veined by brown and yellow	Trace to 1% Pyrite on joint surfaces.															

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

DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		weathering carbonate veins. Very weak cleavage from 5° to 20°. Lower contact sharp on thin carbonate vein @ 60°		57971	268·0	268·5	0·5	X			1	X	10	15	70	970	5·95	85
270·4	277·9	Sedimentary Breccia as per 176·6 - 188·4																
		270·9 - 272·1 F-mg Arenite as dominant and forms matrix to wispy clasts of Mudstone		57972	275·0	275·5	0·5	X			2	0·5	45	15	55	785	3·45	135
		272·1 - 273·2 as per 270·1 - 272·1 above.																
		277·6 - 277·9 Laminated Siltstone and f-g. Arenite, and aligned clasts Bedding at 30°.																
277·9	283·9	Grey-green f-g Lithic-Quartz Wacke with plastically deformed irregular interbeds of m-cg. Tuffaceous Lithic Wacke. Variable thin carbonate veins. Weak penetrative cleavage at 10°		57973	280·0	280·5	0·5	X			9	X	110	X	65	310	3·60	90
		282·0 - 283·7 Orange weathering strongly carbonated section of mg. Tuffaceous Wacke																
		Lower contact 25°																
283·9	286·6	Sedimentary Breccia as per 176·6 - 188·4																
		283·9 - 284·1 Strong yellow weathering carbonate veins.		57974	285·0	285·5	0·5	X			10	X	20	X	60	910	4·25	55
		Lower contact gradational through decreasing breccia texture																
286·6	289·3	Slump Breccia. Pale yellowish grey sericite Siltstone with contorted																

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

DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		? interbeds of black Mudstone, grey Siltstone and mg. Tuffaceous Wacke', with variable carbonate veining. Lower contact gradational.																
289·3	290·1	Dark grey to Black Mudstone with yellow carbonated veins and carbonate replaced small clasts of coarser sediment. Weak banding @ 40°. Lower Contact 55°																
290·1	292·5	Sedimentary Breccia. Chaotic ? slump breccia consisting of variably sized clasts and ? beds up to 200mm of cream sericitic Siltstone, black Mudstone, yellow carbonated fg. Lithic Wacke', and grey fg Lithic-Quartz Arenite, and abundant carbonate veins. Lower contact gradational		579.75	291·0	291·5	0·5	X			2	X	35	X	65	620	4·3	65
292·5	295·6	Slump Breccia. Similar to above but more consistently composed of greenish grey mg. Tuffaceous Wacke' and with fewer carbonate veins. Lower Contact irregular about 30°																
295·6	297·0	Grey Siltstone and thin wispy black Mudstone interbedded with disrupted and carbonated beds of fmg. Quartz Lithic Wacke up to 15 mm thick. Lower contact gradational		579.76	296·0	296·5	0·5	X			11	X	30	40	125	2550	3·70	55

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
297·0	298·3	Conglomerate Unsorted, polymict. Mudstone matrix up to clasts of 80mm Tuffaceous Wacke, Chert, Siltstone are main clasts Lower contact irregular about 50°		57977	297·5	298·0	0·5	X			6	0·5	45	35	160	5050	4·95	50
298·3	299·9	Dark grey massive fg and f-mg. Quartz-Lithic Wacke' Thin carbonate veins Suggestion of overall fining en grainsize downwards emplying a down-hole facing Lower contact ~25°																
299·9	302·4	Interbedded grey mg Quartz Lithic Wacke' and black Siltstone. Wacke beds are irregular and disrupted with ? rip up clasts of wacke' in siltstone. Thin carbonate veins are concentrated in the wacke beds. 300·8 - 300·9 Quartz veins ~ 15% of core. 301·5 - 302·4 Wacke' forms about 85% of core with thin interbeds of siltstone Lower contact sharp 55°	2% f.g. disseminated Pyrite in the wacke' beds.	57978	300·0	300·5	0·5	X			13	0·5	20	10	125	1410	2·30	105
302·4	303·0	Graded Unit. Grades downwards from a Quartz Granule Conglomerate with clasts up to 3mm, into a grey m.g. Quartz Lithic Wacke' Thin carbonate veins Implies downhole facing	1% f.g. disseminated Pyr.															
303·0	303·5	Interbedded Wacke' and Siltstone as per 299·9 – 302·4m																

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
303.5	305.5	Conglomerate as per 297.0 - 298.3 304.6 - 304.9 Strong carbonate veining. Veins 50% of rock. 305.1 - 305.2 Strongly silicified and quartz-carbonate veined Lower contact gradational.		57979	304.0	304.5	0.5	X			13	0.5	20	X	75	2200	4.20	80
305.9	306.8	Breccia Black Siltstone contains strongly carbonated clasts and ?beds of wacke. Core broken along a chloritic cleavage @ 10°. Tectonic Breccia or Possible Fault Zone.	3% Pyrite as disseminations and very small stringers mostly associated with carbonate.	57980	306.0	306.5	0.5	X			20	0.5	45	35	70	5510	6.10	50
306.8	309.1	Conglomerate as per 297.0 - 298.3																
309.1	313.8	Interbedded Massive Siltstone and f-mg. Lithic Wacke. Wacke content increases downwards. Thin anastomosing carbonate veins. Lower contact is 100mm zone of strong carbonate veining at about 20°		57981	310.0	310.5	0.5	X			36	0.5	40	5	75	1480	2.60	30
313.8	315.5	Sedimentary Breccia. Grey Siltstone matrix contains rounded and lensoid clasts of yellow totally carbonated wacke. Weak penetrative cleavage at 10°																
315.5	328.35	Sedimentary Breccias essentially similar to 176.6 - 188.4. The fabric is less evenly bimodal. There are zones where Siltstone is dominant with	Trace to 1% Pyrite throughout but is concentated in wacke zones especially with carbonate veining	57982	316.0	316.5	0.5	X			21	0.5	35	5	40	2510	3.20	100

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

DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		few clasts and areas where grey f-mg Tuffaceous Lithic Wacke' occupies almost all the core with only thin whispy interpolations of Siltstone and Mudstone. Thin carbonate veins occur throughout but is concentrated in wacke' zones especially appear to have brittle fractured.																
		315.6 - 316.5 Wacke' dominant phase																
		316.0 - 316.1 Quartz carbonate vein at ~ 40°																
		317.0 - 317.5 Wacke' dominant phase																
		318.3 - 319.1 Black mudstone dominant phase.																
		319.1 - 319.8 Very strong yellow weathering carbonate veins Veins 60% of rock	Up to 2% disseminated Pyrite															
		320.4 - 321.2 Wacke' dominant phase																
		321.9 - 323.3 " " "																
		323.1 - 323.3 Stockwork of thin carbonate veins	2% disseminated Pyrite + trace Pyrrhotite	57983	323.0	323.5	0.5	x			7	x	30	x	50	2650	2.95	80
		324.6 - 324.9 Wacke' dominant																
		325.3 - 325.7 " "																
		326.3 - 326.8 " "																
		327.6 - 328.35 " " low fracturing along thin black siltstone zones mostly 10° - 25° to core.																
328.35	328.5	Massive white quartz and cream carbonate Vein Contacts slightly irregular about 75°																
328.5	333.25	Grey mg Tuffaceous Lithic Wacke' with thin interbeds of black chloritic Mudstone units show cleavage at 10° and slickensides Thin carb veins.		57984	330.0	330.5	0.5	11			21	0.5	10.	20	50	5200	2.95	110

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		331.6 - 332.4 Bedding sub-parallel to core																
		331.6 - 333.85 Core becomming increasingly broken along chloritic mudstone cleavages																
333.25	333.5	White Quartz and yellow Carbonate Vein @ 35° ? main locus of fault plane																
333.5	336.1	Breccia Dark grey Mudstone is matrix to densely packed clasts of brownish carbonated Wacke'. Carbonate and quartz veins and clasts. Some veins are broken and disrupted. May be an original Sedimentary Breccia but has Tectonic Brecciation superimposed		57985	335.0	335.5	0.5	X			55	0.5	35	15	85	6000	6.30	30
336.1	336.3	White Quartz and yellow Carbonate vein. Contacts broken core.																
336.3	341.6	Finely interbedded grey Siltstone and Lithic Wacke' Bedding and chloritic cleavage are both sub-parallel to 20° to core Rare thin carbonate veins	Trace Pyrite in rare stringers	57986	340.0	340.5	0.5	X			23	X	35	5	70	830	4.25	55
		336.3 - 336.8 Broken core																
		338.7 - 339.3 " "																
		Lower contact gradational																
341.6	354.7	Rock essentially as above with bedding and cleavage less well developed and an increasing m.g. Wacke' content The major	Rare traces of disseminated Pyrite															

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		difference is a very strong carbonate replacement of, initially the wacke' phase and then the entire rock. Carbonate veins also abundant. Carbonate is all yellow weathering		57987	345·0	345·5	0·5	X			13	X	45	5	65	870	4·00	65
		348·0 – 354·5 Rock is about 90% carbonate. lower contact gradational		57988	350·0	350·5	0·5	X			9	0·5	20	15	75	2100	4·00	30
354·7	355·6	Dark grey Micaceous Siltstone with abundant thin carbonate veins lower contact irregular																
355·6	359·7	Greenish-grey f.g. massive reworked Felsic Lithic Tuff. with cream weathering carbonate veins and clots. Lower contact 20°		57989	356·0	356·5	0·5	X			12	1·0	50	X	85	1200	6·05	95
359·7	361·4	Interbedded dark grey Siltstone, pale grey m.g. lithic Wacke and f.g. Reworked Tuff. Bedding angle 15° Lower contact 15°		57990	360·0	360·5	0·5	X			16	0·5	165	X	120	1250	6·00	70
361·4	366·8	Reworked Tuff as per 355·6 – 359·7																
		362·5 – 362·7 12 mm thick bed of pale pink Mudstone, possibly a f.g. Pelitic Ash at 10°																
		363·4 – 363·9 Sub-parallel band of interbedded black chloritic Mudstone.																
		Lower Contact Irregular.																
366·8	371·2	Sedimentary Mud-flow style Breccia. Dark grey Siltstone matrix with clasts and		57991	367·0	367·5	0·5	X			4	X	90	10	80	2400	5·65	50

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

DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		disrupted beds of m.g. Tuffaceous Wacke' and f.g. lithic Arenite. Clast fraction is strongly carbonated. Yellow-weathering carbonate veins also abundant.																
371.2	372.8	Reworked Tuff as per 355.6 - 359.7 with contorted ? xenoliths, or ? rip-off clasts of black Mudstone. Contacts irregular.																
372.8	374.5	Sedimentary Breccia as per 366.8 - 371.2 but less strongly carbonated.		57992	373.5	374.0	0.5	X			13	0.5	140	30	105	2050	5.75	60
374.5	382.0	Reworked Tuff as per 355.6 - 359.7 with patches of interbedded fines grained sediments																
		375.2 - 376.2 Siltstone and f.g. Wacke' interbedded and brecciated with the Tuff. Strong carbonate veins and clots.																
		376.9 - 378.0 Siltstone and f.g. Wacke' interbedded and weakly brecciated with reworked tuff. Minor carbonate veins.		57993	379.0	379.5	0.5	X			16	0.5	125	10	85	1250	610	95
		380.0 - 380.1 Quartz - carbonate annealed Breccia																
		381.1 - 381.3 Interbedded Siltstone and Wacke' Bedding angle 30°																
382.0	383.9	Breccia. Similar to 372.8 - 374.5 but has an overprinted Tectonic Brecciation. Carbonate veins and clots are broken en echelon		57994	382.5	383.0	0.5	X			16	1.0	55	X	65	6900	5.90	50

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		and some clasts are more angular.																
		383.3 – 383.5. Reworked Tuff as per 355.6-359.7																
383.9	387.3	Interbedded dark grey to black Mudstone, thin bands of pale pinkish grey Siltstone (possibly a pelitic ash) and greenish-grey m.g. Tuffaceous Wacke. Sparse carbonate veins	Pyrite and Pyrrhotite occur as blebs and small stringers. Overall content less than 1%.	57995	385.0	385.5	0.5	x			56	1.5	260	35	100	1.20%	7.45	6.5
		384.3 – 384.7 Bedding 20°																
		386.7 – 387.3 Weak breccia texture with chloritic veining	Pyrite + minor pyrrhotite in stringers 3%															
		lower Contact 35°																
387.3	390.2	Greenish grey m-cg. massive Tuffaceous Wacke																
		389.0 – 389.2 Interbeds of pale pinkish grey Siltstone (? pelitic ash) and thin carbonate veining		57996	389.0	389.5	0.5	x			58	0.5	15	x	90	5500	6.85	110
		lower contact broken core about 60°																
390.2	393.2	Sedimentary Breccia as per 176.6 – 184.4. Weakly sheared/cleaved throughout increasing in intensity downwards @ 15°	2% Pyrite in stringers															
		392.7 – 393.2. Decreasing clast content. Rock becomes almost totally Mudstone/Siltstone		57997	391.5	392.0	0.5	x			19	0.5	30	x	30	780	2.05	60
		lower contact core broken – weak bedding at 20°																
393.2	394.7	Slightly greenish-grey f-mg Quartz Lithic Wacke with thin interbeds of dark	Sulphides increasing downwards from less than 1% stringers	57998	394.0	394.5	0.5	x			6	0.5	10	x	90	1250	2.95	90

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

DIAMOND DRILL CORE RECORD

HOLE No. RRP 239
Sheet 29 A11241

FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		grey Siltstone. Interbeds usually slow slumps contorted contacts and microfaulting Weak jointing from sub-parallel to 20° Lower contact irregular about 20°	of Pyrite to over 2%. 394.4 – 394.7. 5% Pyrite + minor Pyrrhotite in a thin stringer stockwork															
394.7	397.5	Sedimentary Breccia as per 390.2 – 393.2 with shearing/cleavage more intense 394.7 – 395.7 Core very broken, mostly along sub-parallel fractures	Variable stringers of pyrite with minor pyrrhotite Average about 1%	57999	397.0	397.4	0.4	x			22	1.0	10	x	20	490	1.85	30
			397.4 – 397.5 5% Pyrite in stringers	S57902	397.4	397.9	0.50	16	x	x	1800	x	135	5	20	1200	1.90	75
397.5	397.9	Sedimentary Breccia as per above but with silicification of the clast fraction and some of the matrix Contact gradational.	5% Pyrite in stringers and blebs.															
397.9	398.3	Dark grey to black chloritic, cleaved and laminated Mudstone/Siltstone. Lamination and cleavage @ 10° Thin quartz veinlets towards base Contact gradational	1% Pyrite as coatings on cleavage surfaces.	S57903	397.9	398.3	0.40	14	x	x	150	x	20	x	15	190	1.20	35
398.3	399.0	White/dark grey mottled silicified Breccia as per 397.5 – 397.9	2–5% Pyrite in stringers. locally more abundant.	S57904	398.3	399.0	0.70	4	x	0.08	280	3	55	10	15	160	1.65	75
399.0	399.35	White totally silicified and quartz-veined rock.	5% Pyrite in stringers.	S57905	399.0	399.35	0.35	x	x	0.07	250	2	80	x	15	360	1.15	150
399.35	400.40	Silicified Breccia as per 398.3 – 399.0	5% Pyrite in stringers locally more abundant.	S57906	399.35	399.70	0.35	11	x	0.07	2200	64	195	155	20	265	3.10	85
			399.55 40mm zone of 30% Pyrite	S57907	399.70	400.40	0.70	24	x	0.04	2100	52	75	140	15	230	1.25	130

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

DIAMOND DRILL CORE RECORD

HOLE No. RRP 239
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
400·4	402·7	Massive Sulphide. Pyrite + Pyrrhotite with inclusions of silicified breccia.	65% Pyrite + Pyrrhotite.	S57908	400·4	400·7	0·30	39	X	0·13	2·15%	17	1250	15	25	620	7·05	105
400·7	401·4	Strongly silicified Breccia. Silicification decreasing downwards	Average 10% Pyrite + Pyrrhotite in stringers blebs and veins	S57909	400·7	401·4	0·70	22	X	0·06	1·85%	193	455	390	15	190	3·30	65
			400·9 50 mm vein of massive Pyrrhotite + minor pyrite															
			401·3 - 401·4 50% Pyrite + Pyrrhotite in an irregular vein.															
401·4	402·2	Weakly silicified Sedimentary Breccia as per 176·6 - 188·4. Weak penetrative cleavage at 10°	2-5% Pyrite + minor pyrrhotite as stringers and blebs.	S57910	401·4	402·2	0·80	11	X	0·03	950	5·5	40	26	15	75	1·15	25
402·2	403·3	Pale grey f-mg strongly silicified Lithic Wacke' with rare thin brecciated interbeds of black Siltstone	10% Pyrite + Pyrrhotite in	S57911	402·2	402·9	0·70	27	X	0·18	2·10%	84	125	520	15	495	2·65	80
			stringers and small veins.	S57912	402·9	403·3	0·40	X	X	0·60	850	2	60	10	15	455	1·45	235
403·3	404·15	Moderately Silicified Sedimentary Breccia as per 398·3 - 399·0	403·3 - 403·9 Pyrite + minor Pyrrhotite decreasing downwards from 10% to 5% in stringers.	S57913	403·3	403·9	0·60	16	X	0·04	520	5	50	50	25	265	1·80	75
			403·9 - 404·15 40% Pyrite + Pyrrhotite in stringers and veins	S57914	403·9	404·15	0·25	72	X	0·07	640	19	235	200	20	750	4·05	55
404·15	404·5	Interbedded pale yellow f-g sericitic Sandstone and pale grey f-g Wacke' ?Bedding 15°	15% Pyrrhotite + minor Pyrite + trace chalcopyrite and arsenopyrite as stringers and veins semi-conformable with ?Bedding at 15°	S57915	404·15	404·5	0·35	26	11	0·13	2300	1·5	335	30	40	1250	5·50	65

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

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
404·5	405·3	Dark grey Siltstone to fg Lithic Arenite interbedded with greenish grey mg weakly chloritic Lithic Wacke. Bedding sub-parallel to core. 404·5 – 404·7 Weakly brecciated. 405·0 – 405·3 Weakly brecciated and brown weathering carbonate replaces some of the Lithic Wacke. Lower contact gradational.	Sulphides decrease downwards from 10% stringers of Pyrite with disseminated patches of Arsenopyrite needles, to 1% disseminated Pyrite.	557916	404·5	405·3	0·08	tr.	15	0·10	9200	1·0	90	15	95	6000	11·00	75
405·3	406·6	Breccia. Dark blue-grey f-mg Tuffaceous Wacke, weakly chloritic with a weak Tectonic Breccia fabric and broken white carbonate veins. 405·5 – 406·2 Carbonate veining and replacement strongest. About 30% of core is carbonate. Lower contact gradational.	Sulphides variable. Average about 2% Pyrite stringers.	58000	405·3	406·0	0·7	8			15	0·5	40	15	90	1·35%	8·40	90
406·6	407·9	Grey-green Carbonaceous Dolomitic Mudstone Soft-sediment slumped. Weakly carbonated. 407·6 Sample No 43870 : Thin Section		58001	407·0	407·5	0·5	x			99	0·5	50	x	90	4800	5·80	115
407·9	409·3	Tectonic Breccia Mostly Tuffaceous Wacke with some finer grained sediment. Strongly brecciated and cemented by white carbonate veins which form 70% of rock. Lower contact irregular ~ 40°																
409·3	412·5	Pale pinkish-grey to pale greenish yellow																

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

DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No:	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		irregularly laminated very fine grained bleached sericitic Mudstone. Laminations generally sub-parallel to core but show abundant microfaulting and small slump breccia textures. Fine stockwork of thin (1mm) carbonate-chlorite veinlets. Lower contact gradational		58002	410·0	410·5	0·5	x			14	x	40	x	55	740	3·60	40
		409·4 Sample No 43871 - Thin Section																
415·5	415·6	Pale brownish green fg. strongly altered Tuff or Tuffaceous Wacke. Weak bedding at 10° parallels a weak cleavage. Rare thin carbonate veins. Lower contact irregular	Trace fg. Pyrite.	58003	413·0	413·5	0·5	x			1	x	15	x	90	2200	9·65	45
		414·0 Sample No. 43872 - Thin Section.																
415·6	417·0	Pale greenish yellow and pale grey Mudstone as per 409·3 - 412·5. Laminations sub parallel to core																
		415·6 - 415·9 Breccia composed of Mudstone lithologies in a weakly chloritic matrix with minor carbonate veinlets																
417·0	418·4	Sedimentary Breccia. Lithologies essentially as above but with a contorted ? slump breccia texture which decreases downwards.		58004	417·0	417·5	0·5	x			4	0·5	40	20	90	1850	6·50	45
		418·3 - 418·4 Quartz - Carbonate vein. 30mm thick @ 20°																

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
418·4	420·5	Pale green Altered Tuff as per 412·5 – 415·5																
420·5	428·6	Laminated aerenitic Mudstone as per 409·3 – 412·5, interbedded with pale green f.g Tuffaceous, Wacke, Lamination and bedding frequently contorted and microfaulted Weak cleavage 10–15°	Pyrite as irregular stringers average less than 1%															
				58005	424·0	424·5	0·5	x			4	0·5	20	20	105	1350	7·95	45
		420·5 – 420·8 Sedimentary ? slump Breccia																
		420·8 – 421·5 Core broken along cleavages and veined by irregular carbonate veins and slats looks like weak Tectonic Brecciation.																
		423·1 – 424·2 Weak Tectonic Breccia, annealing with carbonate veins and slats																
		425·0 – 426·5 Brown-weathering carbonate replacement of fg. Lithic Arenite																
		421·0 Bedding angle 25°																
		424·6 " " 20°																
		426·7 " " 10°																
		427·9 – 428·3 Breccia with carbonate veins and slats																
428·6	429·1	Contact zone between Sediment and ? Tuff Irregular ? normal sedimentary contact running sub parallel to core.																
429·1	430·0	Grey f.g. altered porphyritic Felsic Vitric Tuff. A sericitised – chloritised groundmass contains ? phenocrysts																

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		? porphyro blasts upto 1·5mm with a grey sericitic core and a dark green chloritic rim. There may be ?altered lapilli or ? vesicles. Weak banding may be bedding or may be due to weak shearing.		58006	429·5	430·0	0·5	X			4	X	105	10	125	1150	8·65	80
		429·3 Sample No. 43873 – Thin Section																
		429·6 – 429·8 Breccia. Clasts of ?Tuff, sericitic Mudstone, and carbonate replaced f.g. Wacke' + carbonate veins	5% Pyrite in stringers.															
		Lower contact is carbonate-quartz vein @ 15°																
430·0	435·4	Brownish green m.g Lithic Wacke' Orange-brown weathering carbonate replaces the framework grains. Occasional irregular interbeds and clasts of grey cherty Siltstone which has a fine stockwork of carbonate veins less than 1mm wide		58007	433·0	433·5	0·5	X			2	2·0	90	5	90	710	6·25	100
		431·7 – 432·0 Breccia texture with carbonate-quartz veins																
		433·5 – 433·7 " " " " " "																
435·4	443·5	Altered Leuco gabbro or Diorite A green f.g. groundmass hosts pale pink irregular ragged "phenocrysts" of ankeritic carbonate totally replacing pyroxene. Pale chlorite veins and patches and fibrous calcite veins.		58008	440·0	440·5	0·5	X			3	X	65	10	120	1150	6·35	110
		439·5 Sample No 43874 – Thin Section																
		435·4 – 435·7 Core very broken. Dark green finer grained more chloritic																

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		section ? Possible chilled margin.																
		443·2 - 443·5 More chloritic finer grained zone similar to upper contact																
443·5	446·8	Green grey f-mg. Trachytic Lithic Tuff. Litho are sericitised feldspar rich volcanics and lesser dark grey mudstone. Very little matrix may simply reworking. Weakly chloritic and has thin chlorite veinlets, minor thin carbonate veins		58009	445·0	445·5	0·5	x			9	0·5	20	15	120	1800	6·50	195
		444·8 - 445·3 Weak breccia zone with carbonate veins and weak silicification.																
		Lower contact sheared broken zone along carbonate veins at 25°	5% c.g. Pyrite on carbonate veins on lower contact.															
446·8	448·3	Green f-mg Vitric Lithic Tuff. Intermediate to mafic composition Abundant small mudstone litho, degraded feldspathic volcanic litho in a chlorite - sericite - carbonate matrix. Disrupted interbeds of grey-green m.g. Tuffaceous Wacke'. Thin carbonate - quartz veins. Weak cleavage 10° Lower contact 35°		58010	447·0	447·5	0·5	x			180	0·5	165	15	120	3000	8·25	520
		448·0 Sample No 43875 - Thin Section.																
446·3	449·6	Pale yellowish-green Sedimentary Breccia Principally sericitic Siltstone but with clasts of Tuffaceous Wacke' and Tuff and rare pink f.g. Felsic Volcanics. Quartz																

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

HOLE No. RRP 239
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		veins and clots Weak cleavage ~10°		58011	449·0	449·5	0·5	x			7	0·5	90	15	190	2700	5·35	320
		448·3 - 448·7 Quartz + minor carbonate Veins at 15° are 25% of rock																
		448·7 - 448·8 Bed or Large clast of pale grey massive Siltstone @ 35°																
		Lower contact 35°																
449·6	450·8	Grey-green f-mg massive (crystal) Lithic Tuff Intermediate Black mudstone liths and degraded feldspathic volcanic liths. Weakly chloritic.																
		449·6 - 449·9 Finer grain size																
		Lower contact 40°																
450·8	451·15	Pale greenish-grey massive f.g. Lithic Tuffite with stockwork of thin chlorite veinlets Lower contact irregular about 40°																
451·15	455·8	Mg. Lithic Tuff as per 449·6 - 450·8. Lithic up to 2mm.		58012	454·0	454·5	0·5	x			3	x	55	15	150	1350	7·10	450
		451·7 - 452·4 Strong quartz veining at 25° Quartz up to 60% of rock ? Possible Fault Zone.																
		Lower contact is 8mm Quartz vein @ 15°																
455·8	464·0	Pale green f.g. Lithic Tuff as per 449·6 - 450·8 but grainsize is much finer. Lith generally maximum 0·5mm.		58013	460·0	460·5	0·5	x			6	0·5	85	20	185	1450	7·90	435
		457·9 - 459·0 banded unit Increasing grainsize																

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

HOLE No. RRP 239
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		downwards implies up-hole facing																
		459.0-459.35 Weakly brecciated zone with quartz veins and clots	1% f.g. disseminated Pyrite															
		462.6-462.8 Strong Quartz Veining																
		462.8-464.0 Increased grainsize lotho upto 1mm.																
		Lower contact 10°																
464.0	465.5	Pale green f-mg Tuffaceous Lithic Wacke' Irregular quartz veins and fine chloritic veinlets Lower contact 20°		58014	464.5	465.0	0.5	x			2	x	175	40	995	1750	6.55	250
465.5	468.0	Dark green-grey f-mg Lithic Tuff, Intermediate Close packed feldspathic volcanic lithe in a chloritic groundmass																
		466.5-468.0 Gradual colour change with increasing carbonation and increasing mudstone lithic content		58015	467.0	467.5	0.5	x			16	0.5	160	10	170	1150	8.40	450
		Lower contact shear @ ~25° on broken core																
468.0	468.25	? Fault Zone Core very broken Fragments of brecciated Tuffaceous Wacke' and milky white vein quartz																
468.25	469.3	Grey f-mg volcanic Lithic Wacke' Thin irregular quartz veins Lower contact 25°																
469.3	479.1	Pale green f-mg Tuffaceous Wacke' with abundant dark green chloritic Mudstone lithe up to 1mm in size		58016	472.0	472.5	0.5	x			14	x	80	10	145	2300	7.40	380

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

DIAMOND DRILL CORE RECORD

HOLE No. ARP 239
Sheet 38
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		Weak cleavage 10° Rare thin quartz veins	475·5 - 479·1 Pyrite ~1% on thin (0·5mm) veinlets	58017	478·0	478·5	0·5	X			3	X	185	10	150	740	8·60	320
		477·4 - 478·6 Disrupted interbeds of pale grey very f·g. Lithic Arenite																
		Bedding 10°																
		Lower contact diffuse ~5°																
479·1	482·7	Pale yellowish grey Lithic Tuff,		58018	481·0	481·5	0·5	X			26	0·5	90	35	150	1650	7·75	490
		Feldspathic volcanic lithic are weakly carbonated. plus dark grey mudstone lithic.																
		Weak cleavage 10° Lower contact 10°.																
482·7	484·0	Dark grey f·g Lithic Arenite. Very weak soft sediment breccia textures. Lower contact irregular		58019	483·0	483·5	0·5	X			3	X	130	15	1650	1600	5·60	240
484·0	486·3	Sedimentary Breccia Dark grey Mudstone, pale green Tuffaceous Wacke' and grey-green Lithic Tuff in variably slumped and contorted beds and/or clasts.		58020	485·0	485·5	0·5	X			6	0·5	110	15	230	1100	7·05	255
		485·5 - 486·3 Increasing sub-parallel carbonate - quartz veins																
		Lower contact broken core.																
486·3	486·4	Massive white Quartz Vein @ ~80°	5% c.g. Pyrite															
486·4	487·7	Dark grey poorly laminated Lithic Wacke and Mudstone Banding 15°	3% f.g disseminated Pyrite															
		Lower contact 35°																
487·7	488·9	Pale yellow f-mg Lithic Wacke', weakly																

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

HOLE No. RRP 239
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		carbonated. Frequent mudstone lithic fragments up to 1mm and occasional larger ? rip-off clasts of mudstone up to 25 mm. Sawer contact ~25° marked by quartz-carbonate veins.																
488·9	490·9	Dark grey Wacke' and Mudstone as per 486·4 - 487·7 but less well laminated Sawer contact 40°	3-5% Pyrite in stringers and disseminations	58021	489·0	489·5	0·5	X			12	X	170	20	100	740	6·25	80
490·9	495·4	Pale yellow mg. Lithic Wacke' as per 487·7 - 488·9	1-2% f.g. disseminated Pyrite															
		492·2 - 492·8 Disrupted intervals of grey f.g. Lithic Tuff and dark grey Siltstone		58022	493·0	493·5	0·5	X			3	X	100	10	145	1700	8·60	375
		Sawer contact 15°																
495·4	496·0	Sedimentary Breccia. Disrupted and contorted bands and clasts of pale grey f-mg Lithic Wacke' containing wispy mudstone liths. and dark grey Siltstone and very f.g. Sandstone	3% fg. Pyrite as disseminations and stringers associated with thin carbonate veins.	58023	496·0	496·5	0·5	X			33	0·5	125	40	140	990	7·85	300
498·0	499·5	Lithologies as above but less brecciated Bedding is irregular best really about 25°	3% fg. disseminated Pyrite															
		498·5 - 499·5 Weak Tectonic Breccia with carbonate veins		58024	498·5	499·0	0·5	X			36	0·5	85	20	90	1800	8·25	210
		498·3 - 499·1 Stronger Tectonic Breccia with more abundant carbonate-quartz veins	5% Pyrite as fg. disseminations and small stringers.															

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

HOLE No. RRP 239
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
499.5	499.9	Pale slightly yellowish grey f-mg Lithic Wacke with numerous ? rip-up clasts of black mudstone upto 8 mm long and 3mm wide Lower contact 15°	1-2% Pyrite on thin stringers															
499.9	500.8	Grey massive f-g Lithic Wacke Thin irregular carbonate-quartz veins. 500.0-500.3 Irregular band of pale brown-grey fg. Felsic Lithic Tuff with mudstone lithe. Lower contact 15°	5% Pyrite as disseminations and thin stringers	58025	500.0	500.5	0.5	x			13	x	90	10	120	1600	8.80	310
500.8	501.4	Breccia Pale grey m-cg Tuffaceous Wacke with 25% clasts (? rip-up clasts) of black Mudstone Lower contact 25°	3% f-g disseminated Pyrite															
501.4	502.4	Graded unit Dark grey fg massive Lithic Wacke grades down into pale yellow-grey mg. Tuffaceous Lithic Wacke with mudstone litho - ? rip-off clasts. Implies up-hole facing Lower contact 30°	5% Pyrite as disseminations and small stringers.	58026	501.5	502.0	0.5	x			7	x	100	15	110	1650	8.05	110
502.4	503.0	Interbedded Dark grey f-g massive Lithic Wacke and pale yellowish grey f-mg Lithic Wacke with occasional mudstone liths. Grading	1-2% Pyrite in thin stringers															

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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DIAMOND DRILL CORE RECORD

HOLE No. RRP 239
Sheet 41 A 11241

FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		through unit implies up-hole facing lower contact irregular																
503·0	503·5	Breccia as per 500·8 - 501·4. Lower contact 35°	3% fg. disseminated Pyrite															
503·5	503·7	Thin fault plane running parallel to core displaces contact 200mm on either side of core																
503·7	508·4	Interbedded dark grey f.g. lithic Wacke, pale grey f-mg lithic Wacke and rare thin beds of yellow fg. Reworked lithic Tuff with mudstone litho. General carbonate replacement of coarser lithic grains. Irregular cross-cutting carbonate veins.	Pyrite variable up to 5% in stringers and blebs mostly associated with carbonate veins.	58027	505·5	506·0	0·5	X			60	X	150	15	110	2000	8·95	300
		503·7 - 504·1 Weakly laminated 35°																
		504·4 - 504·7 30% mudstone clasts in m.g. wacke matrix. Clasts oriented into foliation @ 30°																
		506·7 - 507·2. Breccia with carbonate vein	stringers and veinlets of Pyrite															
		507·3 - 507·6 Weakly laminated 35°																
508·4	512·4	Dark grey to black Siltstone and very f.g. Sandstone. Orange weathering carbonate (+ minor quartz) veins are common. Lower contact 30°	Pyrite 5% and locally up to 15% as f.g. disseminations, stringers and ? syngenetic bands.	58028	510·0	510·5	0·5	X			21	0·5	200	30	60	1550	8·10	44
512·4	518·4	Pale grey, massive m-cg Tuffaceous	1-2% Pyrite in scattered stringers															

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

DIAMOND DRILL CORE RECORD

HOLE No. RRP 239
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		Lithic Wacke' Irregular thin carbonate veins.																
		513.1 - 514.0 Weak brecciation with abundant carbonate and quartz veins.		58029	515.0	515.5	0.5	x			150	x	130	5	120	1500	9.00	310
		516.2 - 518.4 Colour change to brownish grey as lithic grains are replaced by carbonate.																
		518.0 - 518.4 Strong carbonate veins with lower contact at 65°																
518.4	518.7	Brown-grey altered fg. Vitric Felsic Tuff Sericite-carbonate matrix Lower Contact 20°																
		518.5 Sample No 43876 · Thin Section.																
518.7	519.7	Sedimentary Breccia Slump breccia'd interbeds of pale grey f.g. Lithic Wacke', pale greenish grey m-cg. Tuffaceous Wacke' and rare black Mudstone. Irregular carbonate-quartz veins. Lower contact irregular.	3% Pyrite as f.g. disseminations and stringers.	S 57917	518.7	519.7	1.00	3	x	0.03	400	7.5	2850	x	165	6400	6.50	375
519.7	521.0	Dark-grey massive f-mg Lithic Wacke' (Felsic Volcanic) Irregular thin carbonate-quartz veins	2-3% Pyrite + Pyrrhotite in stringers	S 57918	519.1	520.3	0.60	x	x	0.12	140	x	195	5	130	6400	8.40	425
				S 57919	520.3	521.0	0.70	x	30	0.08	90	- x	140	x	125	5500	9.45	470
521.0	521.6	Core very broken ? Fault Zone Dark green to black Mudstone and rare chips of carbonate-quartz vein.	1% Pyrite as smears on fracture surfaces of rock chips.	S 57920	521.0	521.6	0.60	19	55	0.65	2700	x	10	x	110	3400	11.00	245
521.6	521.95	Tectonic Breccia Black Mudstone breccia	35-40% Arsenopyrite + minor Pyrite	S 57921	521.6	521.95	0.35	11	x	0.03	15.0%	0.5	80	5	65	3400	7.20	190

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		annealed by minor carbonate veins and Arsenopyrite veins	as veins annealing the breccia.															
521.95	523.2	Dark grey to black massive Siltstone and Mudstone	2-3% Pyrite + minor Pyrrhotite in thin stringers	S 57922	521.95	522.6	0.65	26	38	0.06	1300	x	60	x	130	5100	11.00	210
				S 57923	522.6	523.3	0.70	26	x	0.005	320	x	110	x	95	3400	7.65	165
523.2	523.9	Grey sheared f-mg Lithic Wacke' Irregular carbonate veins and patches of broken core.																
		523.2 - 523.3 Strong shear with quartz-pyrite veins @ 40°	Pyrite 5%															
		523.8 - 523.9 Strong shear with quartz veins 20°																
523.9	527.9	Dark grey massive f.g. and f-m.g. Lithic Wacke'. Framework grains are degraded felspathic Volcanic liths. and mudstone liths. Matrix is black mudstone. Irregular zones of thin carbonate veining. Lower contact 25°		58030	525.0	525.5	0.5	x			47	x	90	5	110	2250	7.45	280
527.9	531.3	Pale brownish grey mg Tuffaceous Lithic Wacke' Colour due to pervasive carbonate replacement of framework grains.																
		528.6 - 528.9 Tectonic Breccia zone annealed by carbonate - (quartz) veins lower contact irregular microfaulted	3% Arsenopyrite + minor pyrite in stringers in the breccia.	58031	528.5	529.0	0.5	x			1.0%	1.5	270	25	85	3700	7.55	355
531.3	546.2	Interbedded dark grey Siltstone and f.g. Wacke', and pale brownish grey m.g. carbonated Tuffaceous Wacke' Irregular	1-2% Pyrite + Po. in stringers															

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ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		orange weathering carbonate veins																
		531.3 – 540.7 Dominantly Siltstone and f.g Wacke'		58032	533.0	533.5	0.5	X			180	1.0	120	40	60	1350	7.95	150
		540.7 – 546.2 About 60% Siltstone/Wacke', 40% Tuffaceous Wacke', with Tuffaceous Wacke' increasing downwards. – Possibly large scale grading indicating up-hole facing.		58033	540.0	540.5	0.5	X			71	1.0	145	35	55	1400	7.60	100
		lower contact 40°																
546.2	547.3	Pale green Mudstone laminated with thin beds of pale green fg Lithic Tuff. Lower contact irregular – 40°		58034	546.5	547.0	0.5	X			18	x	190	5	70	680	7.45	50
		547.1 Sample No 43877 · Thin Section																
547.3	547.9	Dk grey massive Siltstone and f.g Wacke' lower contact carbonate veins @ 35°																
547.9	549.9	Sedimentary Breccia. Mainly pale green argillaceous Siltstone with clump brecciated interbeds of dark grey f.g Wacke' and minor pale yellow Tuffaceous Wacke'		58035	549.0	549.5	0.5	X			23	x	45	5	60	770	8.15	85
		548.2 – 548.5 Weak Tectonic Breccia with carbonate veinsetc																
		549.5 – 549.9 " " " " " " " "																
		and quartz veins																
		lower contact 25°																
549.9	552.5	Pale Khaki-brown carbonated and sericitised fg Reworked Lithic Tuff with occasional brecciated inclusions		58036	551.0	551.5	0.5	X			8	0.5	900	x	55	1950	6.95	140

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DIAMOND DRILL CORE RECORD

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FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	Sample Length	ASSAY DATA Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe %	Cr
		of pale green argillaceous Siltstone. Lower contact 10°																
552·5	554·3	Dark grey f-mg. Lithic Wacke' and pale greenish grey m-cg lithic Wacke', crudely interbedded in a soft sediment slumped breccia with some irregular carbonate-quartz veins and clots.		58037	553·0	553·5	0·5	X			63	1·0	50	30	55	1200	7·40	120
554·3	568·5	Sedimentary Breccia. Similar to 176·6 - 188·4 but clast fraction is less well developed. Dominantly a dark grey to black carbonaceous sericitic Mudstone matrix contains thin disrupted beds of pale grey f-g. Quartz Arenite and Siltstone. Entire section is weakly sheared and small veins and replacements of milky white quartz are common.	Sulphides visible. less than 1% overall but locally 3% as stringers and disseminations of pyrite and thin veinlets of pyrrhotite	58038	556·0	556·5	0·5	11			39	0·5	15	35	15	180	1·90	20
		555·7 · Sample No 43878 Thin Section																
		557·6 - 559·1 Superimposed Tectonic Breccia fore is annealed by abundant milky white quartz veins and fracture infillings.		58039	562·0	562·5	0·5	X			19	X	15	5	15	360	1·60	20
		562·8 - 564·8 f-g. Quartz Arenite is the dominant phase.	Sample Nos. 43861 – 43878 Thin Sections. For Descriptions refer to C.M.S. Report No 83/10/14.															
		566·4 - 567·2 Tectonic Breccia annealed by quartz veins																
		567·1 - 567·4 Core Broken.																
		568·1 - 568·5 Core Broken.																
		End of hole 568·5 m.																