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

DIAMOND DRILL CORE RECORD

HOLE No. STP 217 1 of 5

LOCATION: Sterling Valley
OBJECTIVE: To test a coincident magnetic & I.P. anomaly beneath glacial overburden
RESULT: Tin assays: 92.35m – 93.35m, 4950 ppm; 98.65–105.45 averaged 1400 ppm

Depth(m)	Direction	Dip.
30	–	-63°
66	109°	-60°
84	112°	-58.5°
120	112°	-56°
150	108°	-50°

Depth(m)	Direction	Dip.
200	109°	-40°
249	108°	-26.5°

COLLAR DIP. -60°
DIRECTION 108°
R.L. 176m
COORDINATES
Grid A.M.G. 4280N 4565E S.V.G.
384,190mE 5,374,393mN

TOTAL DEPTH 249.1m
HOLE SIZE NQ 48m BQ 249.1m
COMMENCED 3.4.'80
COMPLETED 2.5.'80
LOGGED BY A.J. Mollison

DEPTH (m) FROM	TO	ROCK DESCRIPTION REFER DDH SUMMARY SHEET A1-526-0012	MINERALISATION
0	17.2	GLACIAL OVERBURDEN	Sulphides negligible. Trace fresh pyrite at 47.4m and 57.1m Remnant sulphide textures in oxidised core
17.2	58.9	TRACHY-ANDESITE dark green fine grained, probably intrusive, unit, which is magnetic throughout.	
17.2	36.4	Heavily weathered section of unit. Orange-brown with remnant feldsphyric texture locally epidotised and epidote veins. Joints strongly limonitic and manganiferous.	
36.4	45	As above – less weathered becoming fresher down hole, with a blochy yellow green colour becoming more uniformly green. Cut locally by remnant quartz veins now filled by limonite. The texture of these veins suggests the limonite may be after sulphides.	
45	58.9	As above – dark green, fine grainded porphyritic in places, with tension fractures filled by epidote with later quartz, carbonate (calcite and rhodocrosite), chlorite and fluorite alteration.	
58.9	74.5	MICRO GABBRO dark green medium grained holo crystalline unit extensively cut by veins of quartz carbonate, chlorite, and possibly fluorite and hematite	Trace pyrite & chalcopyrite associated with epidote
70.4	73.2	Shear zone Micro Gabbro heavily cleaved	
74.5	98.5	ANDESITE green grey fine grained lava	
74.5	79	As above with frequent carbonate, quartz and chlorite veining, and associated shearing.	74.6–74.9 Stringers & disseminations of pyrite up to 5% by volume, assoc. with carbonate & quartz veins. Trace arsenopyrite & Chalcopyrite 74.9–79.0 Pyrite & pyrrhotite in equal proportions associated with quartz, carbonate veins.

NOTE:
c = Chip Sample
sc = Split Core Sample
F = Fusion XRF
A = AAS

SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA per ppm: Sample Length	Pb.	Zn.	Cu	Ag-g/t	As	Fe.	Sn.	CORE REC'D RUN	SHORT
												0-1.5	0.5
												3	1.0
												4	0.2
												4.5	0.4
												5.5	0.4
												11.6	6.0
												14.6	3.8
												16	1.7
												16.6	0.4
33081	0	5	c	5.0	10	30	25	x	8		A9	17.2	0.6
082	5	10	c	5.0	15	30	5	x	10		A1	28.6	9.0
083	10	15	c	5.0	10	25	5	1.0	16		A9	30.1	0.3
084	15	20	c	5.0	50	165	30	x	46		A1	31.6	0.5
085	20	25	c	5.0	15	125	25	x	10		A9	33.1	0.4
086	25	30	c	5.0	10	140	115	x	7		A2	36.1	1.5
087	30	35	c	5.0	10	105	80	x	10		A1	39.1	1.3
088	35	40	c	5.0	5	140	80	0.5	4		A1	40	0.2
089	40	45	c	5.0	15	125	50	1.0	15		A2	40.5	0.1
33090	45	50	c	5.0	10	135	200	x	7		A4	42.5	0.1
091	50	55	c	5.0	15	115	145	x	6		A2	45.5	0.3
092	55	60	c	5.0	10	180	305	x	6		A5	46.1	–
												48.1	–
29797	51.10m		Thin Section – orthoclase microdiorite									51.1	–
												54.1	–
37954	60	61	sc	1.0	5	145	140	x	10		A2	57.1	–
955	61	62	sc	1.0	x	150	60	1.0	10		A2	58.9	–
956	62	63	sc	1.0	x	150	35	1.0	13		F490	63.1	0.6
957	63	64	sc	1.0	x	140	55	x	3		A3	66.1	–
958	64	65	sc	1.0	20	130	105	0.5	4		A4	69.1	–
959	65	66	sc	1.0	10	105	220	x	4		A6	70.3	–
37960	66	67	sc	1.0	10	160	110	x	2		A5	71.1	0.3
961	67	68	sc	1.0	15	215	65	x	4		A8	72.1	0.6
962	68	69	sc	1.0	20	140	160	x	8		A4	73.2	0.5
963	69	70	sc	1.0	20	105	10	x	8		A4	75.1	–
964	70	71	sc	1.0	40	175	1600	2.5	620		F2000	78.1	0.2
965	71	72	sc	1.0	15	160	30	x	20		A10	81.1	0.2
966	72	73	sc	1.0	15	165	70	x	21		A11	84.1	–
967	73	74	sc	1.0	10	215	40	0.5	44		A4	87.1	–
968	74	75	sc	1.0	25	170	80	1.0	4		A6	89.5	–
969	75	76	sc	1.0	50	180	150	1.0	4000		F860		

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ELECTROLYTIC ZINC CO OF A'ASIA LTD
ROSEBERY – TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No. STP 217 2 of 5

DEPTH (m) FROM	DEPTH (m) TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA per ppm: Sample Length	Pb	Zn	Cu	Ag - g/t	As	Fe	Sn	CORE REC'D RUN	CORE REC'D SHORT
79	82.1	As above with minor carbonate veins (less than 5% of rock) with 10 cm wide band of strong silica, chlorite alteration at 79.5m	79.0–82.1 Approximately 0.1%pyrite as cubic infilling up to 5mm diam	37970	76	77	sc	1.0	10	155	50	x	24		F45	90.1	–
				971	77	78	sc	1.0	30	180	90	0.5	24		F270	91.1	0.1
				972	78	79	sc	1.0	20	100	155	1.5	4000		F1000	93.1	0.5
				973	79	80	sc	1.0	80	600	310	2.5	70		Fx	96.1	–
82.1	88.2	As above with minor fine carbonate quartz and epidote veins forming approx 2% of rock.	82.1–88.2 Trace pyrite & pyrrhotite	974	80	81	sc	1.0	35	185	100	1.3	12		F25	99.1	–
				975	81	82	sc	1.0	30	200	40	1.5	14		F270	100.6	–
				976	82	83	sc	1.0	10	110	15	1.0	4		Fx	102.1	–
88.2	89.5	As above more frequent carbonate & quartz veins up to 20% of rock averaging 5% with veins up to 1cm wide	88.2–89.5 Pyrite vein infillings and cubes up to 5mm diam up to 0.5% volume with associated pyrrhotite (0.1% volume).	977	83	84	sc	1.0	20	135	25	1.5	10		F80	105.1	–
				978	84	85	sc	1.0	50	230	45	1.0	8		F310	108.1	–
				979	85	86	sc	1.0	40	200	180	x	22		F630	111.1	–
				37980	86	87	sc	1.0	20	180	100	0.5	12		F330	114.1	–
				981	87	88	sc	1.0	20	135	15	x	5		Ax	117.1	–
				982	88	89	sc	1.0	15	110	20	x	4		Ax	120.1	–
74.5	98.5	ANDESITE green grey fine grained lava														123.1	–
																126.1	–
89.5	92.3	As above – heavily cleaved, chloritised, sericitised and otherwise altered rock. Feldspar grains show alignment parallel to cleavage.	Pyrite & pyrrhotite occur in approximately equal proportions up to 50% volume in veins up to 3cm wide with an average of 5% total pyrite & pyrrhotite.	29798	87.10		Thin	Section – orthoclase microdiorite								129.1	0.1
																132.1	0.1
																135.1	–
				33099	89	90	sc	1.0	25	185	420	x	580		A5	138.1	–
				33100	90	90.65	sc	0.65	20	230	70	1.0	8		A1	138.7	–
				33066	90.65	92.35	sc	0.7	5	130	470	0.5	136		Fx	141.1	–
92.3	98.5	Common (approximately 5% of rock) narrow carbonate, quartz veins (up to 1cm wide) in a weakly but pervasively altered andesite	Pyrrhotite with pyrite and minor chalcopyrite. Pyrrhotite veins average 5% volume of rock & are up to 1cm wide pyrite occasionally associated with pyrrhotite with rare chalcopyrite	067	92.35	93.35	sc	1.0	535	440	1550	3.5	1.8%		F4950	144.1	–
				068	93.35	94.35	sc	1.0	35	165	900	1.0	305		F60	147.1	–
				069	94.35	95.35	sc	1.0	5	200	325	0.5	160		F170	150.1	–
				33070	95.35	96.36	sc	1.0	10	210	400	x	112		F60	153.1	–
				071	96.35	97.35	sc	1.0	15	155	350	x	76		F30	156.1	–
				072	97.35	98.65	sc	0.9	5	155	380	0.5	920		F360	162.1	–
				073	98.65	99.65	sc	1.0	40	115	2360	4.5	6%		F3700	163.1	–
98.5	100.6	Massive arsenopyrite and pyrrhotite with minor pyrite, chalcopyrite and cassiterite in a silica-chlorite-carbonate-fluorite gangue	Up to 100% total sulphides with approximately 40% arsenopyrite 40% pyrrhotite 15% pyrite & 5% chalcopyrite with traces of cassiterite. Arsenopyrite & pyrrhotite occur as broard stringers up to 0.5m wide with pyrite fringing the stringers. Chalcopyrite is associated with pyrrhotite and pyrite as small grains and trains of grains up to 2mm diameter. Cassiterite occur as very fine grains at the interface between the gangue minerals and the major mineralisation.	074	99.65	100.7	sc	1.05	140	125	2250	4.5	15%		F1550	165.1	–
																168.1	–
																171.1	–
																174.1	–
																177.1	–
																180.1	0.1
																183.1	0.3
				33075	100.7	101.65	sc	0.95	25	170	465	1.5	2700		F360	186.2	0.1
				076	101.65	102.55	sc	0.9	20	1050	1200	3.0	3.5%		F1500	189.1	0.2
				077	102.55	103.55	sc	1.0	5	110	285	x	560		F170	192.1	–
				078	103.55	104.55	sc	1.0	15	130	230	x	6000		F1050	195.1	–
				079	104.55	105.45	sc	0.9	45	130	515	1.0	9400		F1500	201.1	0.2
				33080	105.45	106.45	sc	1.0	10	190	40	x	250		F45	204.1	–
																207.1	–
																210.1	–
																213.1	–
																216.1	–
																219.1	–

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

HOLE No. STP 217 3 of 5

DEPTH (m) FROM	DEPTH (m) TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA per ppm: Sample Length	Pb.	Zn	Cu	Ag - g/t	As	Fe	Sn	CORE REC'D RUN	CORE REC'D SHORT
100.6	150.6	DACITIC LITHIC VITRIC TUFF TO LAPILLI TUFF of ACID composition		29799	100.45		Thin Section Sample – quartz-tourmaline-sulphide rock									222.1	–
																225.1	–
																228.1	–
100.6	103.5	As above with strong silica, carbonate and sericite alteration.	Pyrrhotite veins with associated pyrite, arsenopyrite and rare chalcopyrite forming an average of 20% of core volume.													231.1	–
																234.1	–
																237.1	–
				37983	106.45	110	c	3.55	20	185	10	x	6		Ax	240.1	–
				984	110	115	c	5.0	10	150	100	1.0	4		Ax	243.1	–
				985	115	121	c	6.0	20	200	60	x	14		F390	246.1	–
103.5	105.4	Green to pale green grey crystal vitric lithic lapilli tuff of dacitic composition composed of angular pale green fragments after pumice or acid lave elongate parallel to cleavage up to 6cm long in a chloritised vitric matrix.	Minor veins of pyrrhotite and pyrite, averaging 0.1% core volume, up to 5mm wide	29800	104.25		Thin Section Sample – andesitic? tuff-lava									249.1	–
				37910	121	122	sc	1.0	15	175	145	x	27		Fx		
				911	122	123.6	sc	1.6	20	160	900	x	8000		F1200		
				912	123.6	124.6	sc	1.0	25	130	5	x	23		A6		
105.4	119.9	Pale green to green lithic vitric lappilli tuff composed of pale green fine grained angular fragments as for 103.5–105.4 and sub-angular feldspar-quartzphyric acid volcanic fragments in a chloritised vitric matrix. Calcite, epidote and chlorite veins are common (approx 10% core volume) and are up to 2cm wide.	Trace pyrite	37986	124.6	130	c	5.4	10	155	95	1.5	8		F140		
				987	130	135	c	5.0	220	710	75	2.0	8		F340		
				988	135	140.1	c	5.1	70	190	145	0.5	4		A92		
				37913	140.1	141.1	sc	1.0	10	125	30	x	10		A1		
				914	141.1	142.1	sc	1.0	15	105	355	x	230		F200		
				915	142.1	143.1	sc	1.0	5	85	340	x	680		F70		
119.9	121.2	Dark green grey micro gabbro dyke	Trace pyrite	916	143.1	144.1	sc	1.0	10	95	45	x	14		F15		
				917	144.1	145.1	sc	1.0	10	170	180	15	46		F130		
121.2	122	As for 105.4 to 119.9		918	145.1	146.1	sc	1.0	140	370	140	2.5	6		F440		
				919	146.6	147.6	sc	1.0	80	275	670	2.5	960		F920		
122	125	As above – sericitised and cleaved with fragments elongated parallel to cleavage Occasional carbonate and quartz veins (approx 5% core volume) up to 4cm wide cut this unit.	Pyrrhotite occurs as fine irregular veins and blebs representing 0.5% core volume with minor associated pyrite.	37920	147.6	148.6	sc	1.0	150	400	100	1.5	9		F740		
				921	148.6	149.6	sc	1.0	5	170	230	1.0	4		F470		
				922	149.6	150.6	sc	1.0	10	70	410	1.0	7400		F3950		
				923	150.6	151.6	sc	1.0	20	180	360	1.0	500		F2250		
				924	151.6	152.6	sc	1.0	5	120	5	0.5	20		A2		
				925	152.6	153.6	sc	1.0	15	165	275	1.0	18		A6		
125	128.9	Green lithic vitric tuff composed of pale green roughly equant angular lithic fragments in a chloritised vitric matrix.	Except for trace galena and sphalerite at 128.1 there is no visible mineralisation.	926	153.6	154.6	sc	1.0	10	260	1000	3.0	840		A4		
				927	154.6	155.6	sc	1.0	15	150	900	3.0	1.4%		Ax		
				928	155.6	156.6	sc	1.0	20	120	900	2.5	5.6%		Ax		
				929	156.6	157.6	sc	1.0	20	145	525	1.5	1.4%		Ax		
128.9	131.2	As for 119.9 to 121.2	Trace pyrite & pyrrhotite 131.2–134.1	37930	157.6	158.6	sc	1.0	5	130	210	0.5	7400		F490		
				931	158.6	159.6	sc	1.0	5	180	320	0.5	5200		F75		
131.2	141.1	Green lithic vitric tuff composed of pale green roughly equant angular lithic fragments in a chloritised vitric matrix 134.1–141.1 There is a steady increase down hole in the presence of carbonate, quartz veining and silica, chlorite alteration	Veined pyrrhotite & pyrite up to 2cm wide making up approx 5% of 1) core volume with associated traces of chalcopyrite, galena & sphalerite.	932	159.6	160.6	sc	1.0	10	95	700	2.0	4400		F20		
				933	160.6	162.1	sc	1.0	10	110	1300	2.0	7800		F150		
				934	162.1	163.1	sc	1.0	10	220	50	0.5	180		Fx		

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HOLE No. STP 217 4 of 5

DEPTH (m) FROM	DEPTH (m) TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA per ppm: Sample Length	Pb	Zn	Cu	Ag - g/t	As	Fe	Sn	CORE REC'D RUN	CORE REC'D SHORT
			134.1–141.1 Traces of pyrrhotite & pyrite occur as veins & blebs.														
				36705	147.4		Thin section sample –				felsic intermediate tuff						
141.1	150.6	Heavily silicified & cleaved lithic vitric tuff which is dark green grey	Fine pyrrhotite, pyrite veining (average 5% core volume) with minor arsenopyrite & chalcopyrite associated with larger pyrrhotite	706	155.1		Thin section sample –				porphyritic to glomero-porphyritic						
											Lava of leucoandesitic to dacitic affinities.						
			veins near the bottom of this unit. Mineralisation localised by cleavage.	707	163.1		Thin section sample –				porphyritic dacite						
				708	184.4		Thin section sample –				Quartz sericite phyllite						
150.6	163.1	DARK GREEN CLEAVED DACITIC LITHIC VITRIC TUFF composed of lithic fragments up to 10mm diameter in a vitric matrix.	150.6–158.3 Common fine pyrrhotite veins (approx 10% core volume) with less common pyrite veins (5% core volume) both up to 1cm wide. Minor chalcopyrite is associated with pyrite along tension cracks & cleavage planes. Arsenopyrite occurs in large veins up to 3cm wide in association with larger pyrrhotite veins. There is up to 30% arsenopyrite with an average 2%	37989	163	165	c	2.0	25	150	15	0.5	4		Ax		
				990	165	170	c	5.0	20	180	10	x	2		Ax		
150.6	152	Strong alteration (silica flooding & chloritisation) and cleavage.		991	170	175	c	5.0	20	180	10	0.5	16		Ax		
				992	175	179.3	c	4.3	330	190	15	2.5	10		A22		
				37935	179.3	180.3	sc	1.0	260	560	205	1.0	90		F650		
				936	180.3	181.3	sc	1.0	30	150	420	1.0	760		F450		
				937	181.3	182.3	sc	1.0	30	115	800	1.0	700		F500		
				938	182.3	183.3	sc	1.0	35	135	230	1.0	1120		F920		
				939	183.3	184.3	sc	1.0	30	120	385	1.0	26		F550		
				37940	184.3	185.3	sc	1.0	35	110	405	1.0	350		A6		
				941	185.3	186.3	sc	1.0	25	100	470	2.0	38		Ax		
				942	186.3	187.3	sc	1.0	35	85	280	3.5	10		Ax		
			158.3–163 Pyrite occurs as large aggregates (up to 10% core volume) with associated less abundant pyrrhotite. Pyrrhotite also occurs as separate fine veins up to 3mm diameter.	37993	187.3	190.0	c	2.7	15	100	80	1.5	32		Ax		
				994	190.0	195	c	5.0	20	75	130	1.0	40		Ax		
				995	195	200	c	5.0	15	55	140	1.0	22		A2		
				996	200	205	c	5.0	5	50	30	x	14		Ax		
				997	205	210	c	5.0	50	200	70	1.0	920		Ax		
				998	210	215	c	5.0	10	45	25	1.5	20		Ax		
				999	215	219.1	c	4.1	10	55	45	1.0	30		A6		
163	178.1	Dark green fine grained possibly intrusive non-magnetic andesite, cut by carbonate and quartz veins (with carbonisation, bleaching and minor silicification from 174.0m)	Trace pyrite blebs & veins.	37943	219.1	220.1	sc	1.0	15	75	100	2.0	3400		A8		
				944	220.1	221.1	sc	1.0	15	70	10	1.0	38		A16		
				945	221.1	222.1	sc	1.0	25	80	205	2.5	24		Ax		
				946	222.1	223.1	sc	1.0	10	60	10	2.0	25		Ax		
				947	223.1	224.1	sc	1.0	10	55	15	1.0	60		Ax		
178.1	179.3	ALTERED TUFF pale grey bleached, sheared and bedded	Trace pyrite blebs & veins.	948	224.1	225.1	sc	1.0	10	85	225	x	114		Ax		
				949	225.1	226.1	sc	1.0	15	90	280	2.0	1160		Ax		
				36701	226.1	231.1	c	5.0	20	85	40	x	46		A3		
179.3	249.1	"FARRELL SLATES"		37953	231.1	232.1	sc	1.0	20	90	10	1.0	24		A4		
179.3	186.2	Heavily cleaved siltstone, greywacke & shale grey to dark grey in colour. Rare carbonate & quartz veins occur.	Fine stringers & veins of pyrrhotite up to 30% core volume with an average of 5% with minor pyrite & trace chalcopyrite. Larger pyrrhotite veins (over 2cm wide) are associated with clear to blue	952	232.1	233.1	sc	1.0	25	140	135	2.0	36		A4		
				951	233.1	234.1	sc	1.0	20	95	80	0.5	18		Ax		
				950	234.1	235.1	sc	1.0	25	135	90	0.5	40		Ax		
				36702	235.1	240.1	c	5.0	60	310	50	x	128		A3		
				703	240.	245	c	5.0	45	100	25	x	28		A2		
				704	245	249.1	c	4.1	70	85	70	x	34		A3		

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HOLE No. STP 217 5 of 5

DEPTH (m) FROM	DEPTH (m) TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA per ppm: Sample Length	Pb.	Zn	Cu.	Ag g/t	As	Fe	Sn	CORE REC'D: RUN	SHORT
			grey silica flooding														
186.2	249.1	Well laminated & cleaved siltstones with approx 10% shale lamallae. Carbonate & quartz veins are infrequent (approx 2% of rock) with an average width of 2mm. The siltstone is subtley bedded with fine grading & slumping at contact with shale layers. Facings 198.1 coarse siltstone slumped & scoured into shale – uphole facing 211.4 coarse siltstone scouring overlying shale bed & coarsening uphole, downhole facing. 223.2 flame structures give downhole facing 245.1 greywacke–siltstone graded – uphole facing 235.4 truncated bedding and grading – up hole facing. 247.9 graded bedding in greywacke coarsening down hole – uphole facing. Core angles: bedding planes to long core axis 195.2 63° 235.4 60° 198.1 65° 241.1 57° 211.4 60° 245.1 65° 223.0 58° 247.9 61° 227.5 62°	Trace pyrrhotite & pyrite in veins upto 3mm wide except 219.5–226.1 increased quartz, carbonate veining (upto 30% core volume, average 10%) Pyrrhotite, pyrite & associated trace chalcopyrite. Upto 40% total sulphides average 5%. Mineralisation associated with silica flooding. 231.1–234.4 strong carbonate, quartz veining upto 50% of core volume averaging 20% with associated pyrrhotite & pyrite in vaguely equal proportions. Upto 20% total sulphides averaging 2% 236.8–237.2 as for 231.1–234.4														

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