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

DIAMOND DRILL CORE RECORD

HOLE No. JCP 216 1 of 5

LOCATION: Mt. Black E.L. 1/62 – White Spur – Jones Creek

OBJECTIVE: To test an E.I.P. chargeability anomaly of twice background level.

RESULT: Weak pyrite–sphalerite mineralisation occure in bands of tuffaceous sediments which correspond to the chargeable zones.

Depth (m)	Direction	Dip
0	270°	-50°
50		-46.5°
107		-37°
149		-23°

COLLAR DIP. -50°
DIRECTION 270° True
R.L.
COORDINATES Grid 6400S 1760E

TOTAL DEPTH 149.2m
HOLE SIZE HQ 0–5, NQ 6–24, BQ 24–149.2
COMMENCED 6.3.'80
COMPLETED 11.3'80
LOGGED BY I. McDonald

DEPTH (m) FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA	Pb	Zn	Cu	Ag g/t	Au g/t	Fe%	Mn	CORE REC'D RUN	SHORT
									ppm				ppm				
0	3.3	No core recovered														Chips	
3.3	6.4	Pink weathering grey f–mg porphyritic lithic crystal tuff. Acid dacitic with quartz & feldspar phenocrysts & with thin (0.5–2mm) chlorite filled fractures. Very faint layering at 30° 5.7–5.9 Strongly jointed broken core with limonite staining ?after sulphides on the joints		29741	3.3	6.4	3.1	3.1	345	1050	10	0.5	0.008	3.3	1450		
				742	6.4	11.2	4.8	4.8	1250	2550	20	0.5	x	3.9	1300		
				743	11.2	14.2	3.0	3.0	1250	2400	20	0.5	x	3.75	1400		
				744	14.2	20.2	6.0	6.0	1650	3150	20	1.5	x	3.7	1250		
				745	20.2	25	4.8	4.8	290	2000	10	0.5	x	3.15%	1200		
				746	25	29.2	4.2	4.2	380	2650	10	0.5	0.008	3.1	1200		
				747	29.2	34	4.8	4.8	1000	3150	20	1.5	x	3.2	1050		
				748	34	40	6.0	6.0	700	2200	10	1.0	0.008	3.2	1350		
6.4	19.6	Green–grey f–mg porphyritic possible ashflow crystal vitric lithic tuff. Acid dacitic with feldspar & quartz. Chloritised & weakly carbonated with carbonate veins. Some chloritic fragments have fiamme like shapes but may be due to stretching along schistosity. Weak foliation 35–40° throughout. Lower contact gradational. 7.2–7.8 Pink weathering feldspar 7.8–8.0 Strongly oxidised with limonite staining on joints 8–9.6 Pink weakly oxidised 9.6–10.5 Moderately oxidised pale pink–gry with limonite stain 10.5–12.5 Pink weakly oxidised 12.5–14.1 Weak–moderately oxidised with limonite staining 14.1–15.1 Strongly oxidised, core very broken with vuggy weathered–out carbonate veins & limonite staining 18.1–19 Weakly oxidised with carbonate veins & limonite staining ?after sulphides. 19.0–19.6 Becoming less porphyritic & more even grained	18.1–19.6 Traces f–g pyrite 19.5 0.5mm vein at 40° of sphalerite	29750	45	50	5.0	5.0	535	1100	5	1.0	x	3.15	1550		
				751	50	55	5.0	5.0	390	800	5	0.5	x	3.2	1350		
				752	55	60	5.0	5.0	530	950	x	0.5	x	3.3	1800		
				753	60	65	5.0	5.0	450	1650	10	0.5	x	3.3	1350		
				754	65	70	5.0	5.0	270	900	10	x	0.008	2.75	1100		
				755	70	75	5.0	5.0	1750	5100	40	2.5	x	3.65	1600		
				756	75	80	5.0	5.0	1950	6250	25	3.5	x	3.2	1700		
				757	80	85	5.0	5.0	545	1650	x	1.5	x	2.95	1450		
				758	85	90	5.0	5.0	1200	2550	30	2.5	x	3.05	1150		
				759	90	95	5.0	5.0	950	2600	50	2.0	x	3.55	1550		
				29760	95	100	5.0	5.0	30	130	45	0.5	x	4.8	1950		
				761	100	105	5.0	5.0	215	435	25	x	x	2.5	1050		
				762	105	110	5.0	5.0	45	155	10	x	0.008	3.1	1300		
				763	110	115	5.0	5.0	10	95	50	x	x	3.1	1100		
				764	115	120	5.0	5.0	60	95	10	x	0.017	1.9	800		
				765	120	125	5.0	5.0	120	295	5	x	0.017	1.4	750		
				766	125	130	5.0	5.0	10	40	5	x	0.008	1.95	790		
				767	130	135	5.0	5.0	10	35	5	x	0.008	1.95	800		
				768	135	140	5.0	5.0	10	30	5	x	0.008	1.50	950		
				769	140	145	5.0	5.0	5	30	10	x	0.017	1.55	1050		
				770	145	149.2	4.2	4.2	10	30	15	x	0.008	1.35	900		
19.5	27.1	Grey–green f.g. vitric crystal tuff. Acid decitic with feldspar, quartz & sericite. Minor quartz–carbonate veins.	19.6–21.8 Scattered fg sulphides; total 3% py in fg disseminations sp in thin veinlets Gn as smears on joint surface														

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HOLE No. JCP 216 2 of 5

DEPTH (m) FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA per ppm Sample Length	Pb	Zn.	Cu.	Ag - g/t	Au - g/t	Fe%	Mn	CORE REC'D RUN	SHORT
		Very weak banding at 50°, Weak cleavage 35° 24.0 Sample No 29736 Thin section, see C.M.S. report 80/3/21. Lower contact diffuse about 40°	some associated with q-cb veins 24.7-25.8 Rare scattered pyrite-sphalerite associated with q-cb veins.														
27.1	27.9	Grey-green f.g weakly bedded Volcanogenic Sediment come reworked tuff. Acid dacitic composition. Weakly sericitised. Weak banding and cleavage coincident at 40° Lower contact gradational.															
27.9	28.9	Green-gry f.g. vitric crystal tuff. Acid dacitic, weakly sericitised. Thin quartz carbonate veins. Weak cleavage 45° 28.0-28.4 Limonite staining															
28.9	29.3	Green-gry f.g. weakly banded reworked tuff. Acid dacitic composition. Weak banding and cleavage coincident at 45°	28.9-29.3 2-3% disseminate Sphalerite in veinlets.														
29.3	30.3	Green-gry f.g. lithic crystal vitric tuff. Acid dacitic. Weakly chloritised & sericitised. Weak cleavage 50°															
30.3	30.5	Grey f.g. banded possibly reworked tuff Acid dacitic in composition. Silicified Quartz-carbonate veins.	30.4-30.5 Minor disseminated pyrite in quartz-carbonate veins.														
30.5	42.6	Green-gry f.g lithic crystal vitric tuff Acid dacitic. Weakly chloritised & sericitised. Weak cleavage 35-50° 38.4-38.6 Weakly oxidised with limonite staining in veins 38.0-38.7 Quartz-carbonate veins Lower contact diffuse	30.5-46.2 Scattered patches of remobilised sulphides throughout In total <2% 31.2-32.1 2-3% Pyrite sphalerite & limonite in veins 35.7-36.4 2-3% Pyrite-sphalerite in veins & irregular patches 42.6-43.0 3-4 Pyrite-sphalerite in veinlets associated with q-cb veining 43-60 Rare scattered veinlets of pyrite sphalerite Total sulpides <<1%														

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DIAMOND DRILL CORE RECORD

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DEPTH (m) FROM	DEPTH (m) TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA Sample Length	Pb ppm	Zn ppm	Cu ppm	Ag g/t	Au g/t	Fe%	Mn ppm	CORE REC'D RUN	CORE REC'D SHORT
42.6	57.9	Grey mottled f-mg porphyritic vitric crystal lithic tuff. Acid dacitic. Weakly chloritised and sericitised. Some fiamme like textures may indicate an ashflow origin or may be chloritised liths or devitrified glass stretched out by the prevasive cleavage at 35-45°, rare quartz-carbonate veins and carbonation of some liths 42.6-43 Quartz-carbonate veins & brecciation with limonite staining on joints 50.3 Sample 29737 Thin section (see CRS Report 80/3/21) Lower contact gradual decrease in grainsize & porphyricity														
57.9	61.1	Greenish-grey f.g. weakly porphyritic lithic vitric crystal tuff. Acid dacitic weakly chloritised. 60-60.3 Quartz-carbonate veins & weak breccia texture	60-60.3 3% pyrite in veins 60.3-69.5 Rare stringers & veinlets of pyrite & minor sphalerite.														
61.1	61.7	Green-grey mg crystal vitric lithic lapilli tuff. Acid dacitic. Feldspathic liths in an anastomosing matrix of chlorite veinlets															
61.7	66.1	Greenish grey fg weakly porphyritic lithic vitric crystal tuff. Acid dacitic weakly chloritised. Weak banding & schistosity 55°															
66.1	66.65	As per above but with rare fragments of grey shale. 66.1-66.2 Weak breccia & carbonation															
66.6	67.4	Volcanogenic sediment some reworked tuff blocks of very fg shale in a matrix of greenish grey lithic vitric crystal tuff. Acid dacitic chloritised. Some shale blocks have rounded ?slump edges, others are sharply angular. Microfaulting is common.															
67.4	68.5	Green-grey fg lithic vitric crystal tuff. Acid dacitic, weakly chloritised.															
68.5	69.5	Green-gry fg reworked tuff, acid dacitic weakly chloritised. Weak ?slump structures with v.fg tuff slumps in a slightly coarser matrix.															

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HOLE No. JCP 216 4 of 5

DEPTH (m) FROM	DEPTH (m) TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA								CORE REC'D	
								Interval Length	Pb	Zn	Cu	Ag - g/t	Au - g/t	Fe%	Mn	RUN	SHORT
69.5	71.6	Green-gry fg tuff, acid dacitic weakly chloritised. Quartz-carbonate veins. Three sets of veins of different ages are successively offset by one another.	69.5–72.3 1% weakly disseminated pyrite														
71.6	72.3	Greenish gry mottled f-mg porphyritic possible ashflow lithic vitric crystal tuff. Acid dacitic chloritised. Weak banding and cleavage are coincident at 60°. Lower contact irregular approx. 60°															
72.3	76.8	Gray v. fg shale, banding mainly 60°, in places irregular. 73.6 Sample 29738 Thin section (see CMS report 80/3/21)	Sulphides in total 3–4% Patchy bands & irregular veinlets of Py, Po, Sp & Gn in places upto 10%														
76.8	95.4	Green-gry f-mg porphyritic lithic vitric crystal tuff. Intermediate trachy-andesite sericitised and weakly chloritised. In places bands of ple gry silicified tuff occur. 77.5–77.9 Silicified tuff 78.3–78.7 Weakly silicified 79–79.3 " " 79.6–79.9 Silicified tuff with q–cb vns & weak brecciation 80.2–80.4 Silicified 81.1–82 Weakly silicified 82.9–83.3 " " 83.7–85 " " 89.2–89.5 Silicified 90.4–90.6 Weakly brecciated with chlorite veinlets 93–93.1 Thick carbonate veins Lower contact obscured, weak brecciated broken core.	89.2 25mm quartz vein at 30° with approx 7% cg galena														
95.4	100.8	Grey-grn fg weakly porphyritic intermediate trachy-andesite lava chloritised weakly sericitised & carbonated with irregular thin quartz-carbonate veins. Weak cleavage 50° 98.2 Sample 29739 Thin section (see CMS report 80/3/21) Lower contact sharp 55°															
100.8	101.6	Grey fg banded shale ?primary banding & cleavage coincident at 55° Lower contact sharp 55°	2% fg pyrite-sphalerite in thin (0.5mm) bands														

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101.8	101.8	Grey mottled porphyritic reworked lithic tuff. cg liths flattened out by shearing? Strong foliation 60° Lower contact gradational															
101.8	105.9	Gry volcanogenic sediments predominantly gry fg banded shale with intercalated bands of f-mg reworked lithic tuff. Moderate to strong cleavage 60° 105.0 Sample 29740 Thin section (see CMS report 80/3/21) Lower contact interfingering? -> 105.68 Shale 105.68-105.77 Intermediate tuff 105.77-105.79 Shale 105.79-105.82 Intermediate tuff 105.82-105.9 Shale	101.8-105.9 Pyrite as fg scattered disseminations & as smears on joint surfaces Total ~2%														
105.9	109.1	Grn-gry mottled possible ashflow vitric crystal lithic tuff. Intermediate trachy-andesite, chloritised & weakly sericitised Moderate cleavage 60°. Some chlorite frags have a fiamme like texture but may be due to stretching along cleavage.															
109.1	112.7	Grn-gry fg volcanogenic shale with brecciated ?slump bands of fg gry vitric crystal acid tuff. Weak cleavage 65° Lower contact diffuse	2-3% fg pyrite dissem. in the slump zones.														
112.7	113.2	Pink/grn-gry mottled unit. Fragments of pink rhyolite occur in a fg groundmass. Possibly a lithic rhyolite lapilli tuff or possibly a poorly sorted volcanogenic sediment.															
113.2	114.3	Pink/gry-grn mottled brecciated acid rhyolite with quartz feldspar & sericite. Brecciated acid lava fragments lie in a chloritic matrix. Possibly a flow-top breccia?															
114.3	149.2	Pale pink fg massive lava, acid rhyolitic (possibly dacitic) with quartz feldspar. Weakly albitized? Weak foliation at 45° & a joint set at 25°. Irregular thin (0.5mm) chlorite veinlets occur throughout & joint surfaces are chloritic.															
END OF HOLE																	