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

DIAMOND DRILL CORE RECORD

HOLE No. JCP 211 1 of 4

LOCATION	Mt. Black, White Spur – Jones Creek
OBJECTIVE	To test an I.P./soil geochemical anomaly
RESULT	A technical success, but no ore grade mineralisation intersected.

Depth (m)	Direction A.M.G.	Dip.
30	92°	-71.25°
60	94.5°	-70.75°
101	94.5°	-70 °
137	100.5°	-68 °
167	105°	-62

Depth (m)	Direction	Dip.
200	113°	-56.5°
221	110.5°	-51 °
242	107.5°	-43 °
299	103°	-36 °

COLLAR DIP. – 70°
DIRECTION 092.5 A.M.G.
R.L. 911m
COORDINATES 5580S 370E (Dalwitz Grid)
AMG 5,364,611N 377,738E

TOTAL DEPTH 342.6m
HOLE SIZE NQ 71.2m rest BQ
COMMENCED 26.7.79
COMPLETED 20.8.79
LOGGED BY G. Iliff A.Mollison

DEPTH (m) FROM	TO	ROCK DESCRIPTION
0	10.6	Oxidised reworked tuff: tan, fine grained sorted tuff. Mn staining on joint faces.
5.94	6.09	Gry-grn, fine grained dolerite intrusive.
10.6	11.4	Gry-grn fg dolerite intrusive.
11.4	16.9	Gry, coarse grained lithic vitric tuff with agglomerate lithic intervals. Mn stained joint faces.
11.4	11.6	F.g. crystal vitric tuff.
11.6	12.07	Interval of pink lithic vitric crystal tuff acidic felsic clasts.
12.07	12.6	Grn, fg crystal vitric lithic tuff
12.6	12.9	Interval of pink lithic vitric crystal tuff acidic felsic
12.9	15.65	Olive grn, cleaved crystal vitric, lapilli tuff, acidic-dacitic with felsic lapilli
15.65	16.9	Dk gry-grn cleaved crystal vitric tuff acidic-dacitic
16.9	24.1	F.g reworked tuff, dk gry-grn, fg graded bedded vitric, lithic tuff; bedding 20°, occasional pumice frags, carbonate vnd.
24.1	26.53	Coarse lapilli tuff; gry blotchy coarse grained lithic crystal vitric lapilli tuff, acid rhyo-dacite composition with silica feldspar carbonate & massive chlorite frags.

MINERALISATION

NOTE: Sample No's
28301 – 28353 and
28361 – 28368 are chip samples

28377 – 28396 are split core samples (excl. 28378)
28369 – 28376 and
28378 are petrological samples

<1% pyrite

SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA Sample Length	Pb	Zn	Cu	Ag - g/t	Au - g/t	Fe%	Mn	CORE REC'D RUN	SHORT
28301	0	5		5.0	305	190	80	1.5	0.017		1100	0	–
302	5	10		5.0	20	175	90	x	0.025		1150	1.5	0.2
303	10	15		5.0	75	145	900	x	0.017		1200	2.5	0.3
304	15	20		5.0	100	180	120	x	0.017		1600	3.5	0.1
305	20	25		5.0	35	180	85	0.5	0.025		1700	5.5	0.2
306	25	30		5.0	15	90	35	x	0.025		1000	8.5	0.1
307	30	35		5.0	20	85	20	x	0.017		700	11.5	0.1
308	35	40		5.0	130	95	20	x	0.017		1300	14.5	–
309	40	45		5.0	25	150	10	x	x		1050	19.5	0.1
28310	45	50		5.0	20	50	20	x	x		1150	22.5	–
311	50	55		5.0	20	70	40	x	x		700	25.5	–
312	55	60		5.0	20	80	20	x	x		950	28.5	–
313	60	65		5.0	50	120	25	x	x		1000	31.5	–
314	65	70		5.0	35	65	15	x	x		730	34.5	–
315	70	75		5.0	15	70	15	x	x		950	37.5	0.2
316	75	80		5.0	25	80	15	x	x		900	40.5	–
317	80	85		5.0	30	100	120	x	0.008		1100	43.5	–
318	85	90		5.0	30	100	20	x	0.008		1000	46.5	–
319	90	95		5.0	15	90	15	x	0.008		1050	49.5	–
28320	95	100		5.0	35	90	35	x	x		680	52.5	–
321	100	105		5.0	25	85	20	x	0.017		720	55.5	–
322	105	110		5.0	15	90	60	x	0.008		670	58.5	–
323	110	115		5.0	5	100	15	x	x		1000	61.5	–
324	115	120		5.0	10	105	20	x	x		900	64.5	–
325	120	125		5.0	5	95	15	x	x		740	67.5	–
326	125	130		5.0	15	115	10	x	0.017		710	70.5	–
327	130	135		5.0	210	500	20	x	0.017		1050	73.5	–
328	135	140		5.0	55	150	20	x	x		675	76.5	–
329	140	145		5.0	110	225	20	0.5	0.017		950	79.5	–
28330	145	150		5.0	330	900	45	x	0.017		1000	82.6	–
331	150	155		5.0	10	80	15	x	0.008		680	85.6	–
332	155	160		5.0	15	70	15	x	x		660	88.6	–
333	160	165		5.0	10	65	10	x	x		780	91.6	–
334	165	170		5.0	15	50	15	x	x		950	94.6	–
335	170	175		5.0	15	50	10	x	x		1050	97.6	–
336	175	180		5.0	5	50	10	x	x		1200	100.6	–
337	180	185		5.0	5	50	10	x	x		760	103.6	–
338	185	190		5.0	130	400	10	x	x		750	106.6	–
339	190	195		5.0	10	55	15	x	x		750	109.6	–

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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
26.53	42.7	Gry-grn f g crystal tuff, felsic composition		28340	195	200		5.0	25	50	40	x	x		790	112.6	–
				341	200	205		5.0	10	50	x	x	x		740	115.6	–
26.53	30.7	Zone: quartz veins with yellow oxidation haloes		342	205	210		5.0	10	50	x	x	0.008		760	118.6	–
				343	210	215		5.0	10	60	10	x	x		800	121.6	–
				344	215	220		5.0	210	410	15	x	x		760	124.6	–
35.2	36.85	Zone of oxidation, yellow with Mn stained joint faces.		345	220	225		5.0	145	250	10	x	0.008		1000	127.6	–
				346	225	230		5.0	10	55	10	x	x		950	130.6	–
				347	230	235		5.0	10	60	x	x	x		750	133.6	–
36.85	42.7	Zone of fine irregular qtz & carbonate vning		348	235	240		5.0	15	80	x	x	x		900	136.6	–
				349	240	245		5.0	15	60	x	x	0.017		700	139.6	–
				28350	245	250		5.0	5	55	x	x	0.017		1000	142.6	–
42.7	53.45	Reworked tuff; gry to gry-grn fg bedded, sorted siltstone/tuff, fine qtz veined.	T28369 Sericitic, mildly sheared pelitic sed; subaqueous tuff (51m)	351	250	255		5.0	10	55	x	x	0.017		950	145.6	–
				352	255	260		5.0	5	55	x	x	0.017		950	148.6	–
51.2		Quartz carbonate veining		353	260	265		5.0	270	790	10	x	0.025		730	151.6	–
53.2		" " "														154.6	–
				28377	266	268		2.0	1050	2500	35	0.5	0.008		1600	157.6	–
53.45	55.2	Gry-grn fg crystal vitric tuff, acid felsic composition, feldspar phenocrysts		379	268	270		2.0	385	740	35	x	0.008		1150	160.6	–
				28380	270	272		2.0	370	590	55	x	0.017		1400	163.6	–
				381	272	274		2.0	365	660	40	x	0.017		980	166.6	–
55.2	104.4	Lapilli tuff; dk gry with pink frags, coarse grained crystal, vitric tuff, acid-felsic composition. Sparse brecciated qtz-chl vns elongation of frags, pink felsic frags. containing qtz phenocrysts, siltstone frags and massive sulphide frags.	<1% pyrite T28370 (71.8,) altered & sheared rhyolitic tuff; flow or auto-brecciated ignimbrite	382	274	276		2.0	695	2000	30	x	0.008		855	169.6	–
				383	276	278		2.0	1300	2700	20	x	0.008		730	172.6	–
				384	278	280		2.0	60	155	25	x	0.017		870	175.6	–
				385	280	282		2.0	2850	9500	30	2.0	0.008		900	178.6	–
				386	282	284		2.0	850	2000	25	0.5	x		770	181.6	–
				387	284	286		2.0	2000	4950	20	1.5	0.008		710	184.6	–
				388	286	288		2.0	1950	4850	30	0.5	0.008		810	187.6	–
66		Large pink felsic, lithic frags.		389	288	290		2.0	1150	3050	30	1.0	0.017		760	190.6	–
				28390	290	292		2.0	190	320	30	x	0.017		735	193.6	–
68.4	73.7	Agglomerate zone of pink felsic lithic frags		391	292	294		2.0	45	280	30	x	0.008		590	196.6	–
				392	294	296		2.0	175	475	45	x	0.008		850	199.6	–
73.7	84.2	Zone of crystal vitric tuff with fine felsic lithic fragments		393	296	298		2.0	430	1450	45	0.5	0.008		900	202.6	–
				394	298	300		2.0	950	1800	90	1.5	0.008		1100	205.6	–
				395	300	302		2.0	30	195	50	x	x		1050	208.6	–
84.2	85.5	Zone of agglomerate: pink felsic lithic frags.		396	302	304		2.0	15	215	15	x	x		1450	211.6	–
																214.6	–
				28361	300	305		5.0	20	210	10	x	0.008		1600	217.6	–
85.5	89.6	Zone of crystal vitric tuff with fine felsic with fine felsic frags & brecciated qtz carbonate veins		362	305	310		5.0	85	190	45	x	0.017		1700	220.6	–
				363	310	315		5.0	470	660	45	x	0.008		2000	223.6	–
				364	315	320		5.0	195	530	20	x	0.008		2300	226.6	–
				365	320	325		5.0	40	320	5	x	0.008		2650	229.6	–
89.6	104.4	Brecciated qtz carbonate vns dominant in crystal vitric tuff	pyrite in qtz carb veins.	366	325	330		5.0	30	150	x	x	0.008		570	232.6	–
				367	330	335		5.0	25	100	x	x	x		1300	235.6	–
				368	335	340.6		7.6	25	105	x	x	x		1500	238.6	–
																241.6	–
																244.6	–
																247.6	–

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104.4	142.3	Light gry welded tuff; coarse grained crystal vitric welded tuff with strong elongation parallel to the core, acidic qtz-feldspar composition, lithic frags of altered siltstone & massive pyrite	Frags of massive pyrite <1% T28371 (122.9m) dacitic xeno-lithic acid tuff sheared probably an ignimbrite; very fg ?tetra-hedrite ± galena													250.6	–
																253.6	–
																256.6	–
																259.6	–
																262.6	–
																265.6	–
																268.6	–
132.2	132.7	Zone of yellow stained quartz veining.														271.6	–
																274.6	–
142.3	148.2	Contact angle 20° grey siltstone inter-bedded with fine crystal vitric tuff with aragonite filled tension gashes in the siltstone.	Pyrite & pyrrhotite stratiform in stringers and in aragonite tension gashes <5%													277.6	–
																280.6	–
																283.6	–
																286.6	–
																289.6	–
143.4	144.65	Tuff band in the siltstone														292.6	–
																295.6	–
144.65	147.2	Siltstone zone with high proportion of aragonite filled tension gashes & qtz vning														298.6	–
																301.6	–
																304.6	–
148.2	217.75	Ple gry-grn speckled fg to cg bedded sch crystal, vitric, lithic tuff with pumice fragments (ashflow)	Pyrite & pyrrhotite in frags, diss & in cleavage planes <1%													307.6	–
																310.6	–
																313.6	–
																317.6	–
148.2	149.5	Gry, fg rock with complex mesoscopic sed-imentary & metamorphic textures, eg chevrons slumps, faults, cleaved, qtz, carbonate veined, rich in sericite & chlorite	Pyrite & pyrrhotite in qtz vns													320.6	–
																323.6	–
																326.6	–
																329.6	–
																332.6	–
149.5	155	Transition zone of coarsening texture; gry-grn, fg becoming coarse grained with large fiamme, some elongation of fragments	Discrete frags of massive pyrite <1%													335.6	–
																338.6	–
																341.6	–
																342.6	EOH
184.74	185.3	Shear zone with a high proportion of sericite and chlorite & lustrous slicken-siding at 15° to 30° to the axis of the core	T28372 (185.3m) alt & sheared dacitic lithic-vitric-crystal tuff; minor ?marcasite, partly rimmed with film of sphalerite														
192.	217.75	High carbonate content	Siderite or Mn carbonate														
205	215	Zone of large chl vitric fragments >1cm															
217.75	221.7	Siltstone ashfall: dk gry fg laminated silty ashfall with qtz-carb rich laminae & aragonite/ pyrrhotite filled tension gashes	Pyrite <1% pyrrhotite & stringer														

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			T28373(218.7m) mildly sheared metapelite, laminated silty shale														
221.7	224.86	Reworked tuff; light gry, fg and f-mg vitric lithic tuff with carb alteration, bedded 40° to core axis.															
224.86	254.8	Felsic ashflow; ple gry coarse grained ash flow with feldspar phenocrysts containing large frags of siltstone.	Pyrite, minor disseminated & on cleavage planes <1% T28374 (230.2m) devit. alt. shrd. weakly xenolithic dacitic lithic-vitric-crystal tuff probably ignimbrite														
254.8	262.5	Reworked tuff; gry, fg bedded sorted acid tuff with minor carbonate															
262.5	303.75	Mineralised siltstone: gry laminated siltstone bedded 40° to core axis facing up hole, aragonite/pyrrhotite filled tension gashes.	pyrite & pyrrhotite stratiform in tension gashes and in stringers <5% galena & sphalerite in qtz stringers <1%														
263.7	266.2	Reworked tuff															
302.3	303.75	Zone altered by dolerite: pervasive & oolitic carbonate alteration of the siltstone, tension gashes carbonate remobilised	T28375 (287m) shrd low grade metapelite weakly carbonaceous siltstone														
303.75	322.5	Dolerite: grn mg basic igneous with about 2.5m	T28376 (325m) mildly alt & shrd porphyritic rhyodacite "orthoclase dacite" ?minor intrusive														
303.75	305.2	chilled margin containing xenoliths of siltstone. No chilled margin on lower contact.															
322.5	342.6	Pale gry mg rhyolitic ?intrusive; chilled margin against dolerite	T28378 (303.75m) intrusive devit mildly alt porphyritic dacitic Trace diss pyrite														
	E.O.H.																