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

DIAMOND DRILL CORE RECORD

HOLE No. STP 234 1 of 4

LOCATION STERLING VALLEY

OBJECTIVE To follow up massive sulphide mineralisation in STP 221 associated with a strong magnetic anomaly

RESULT Hole intersected strong vein sulphide approx. 80m above Henty Fault Zone within Mt. Black Volcanics, devoid of Sn. 0.36% Sn (2.1m) associated with minor sulphide 15m above fault

Footage	Direction	Dip.
72m	101° AMG	-67°
102m	101½°	-65°
132m	98°	-61°
162m	97°	-58°
192m	100°	-54.5°

Footage	Direction	Dip.
222m	98° AMG	-49½°
252m	97°	-45°
282m	98°	-43°
312m	093½°	-38½°
342m	096	-32

COLLAR DIP. -70°
DIRECTION 108° AMG
R.L. 176m
COORDINATES 4340N 4477E Grid
5,374,400mN 384,413mE

TOTAL DEPTH 342.5m
HOLE SIZE NW 0-20 NQ -63 BQ -342.5
COMMENCED 27.8.81
COMPLETED 15.9.81
LOGGED BY R.A. Sainty

FOOTAGE FROM	FOOTAGE TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA: Sample Length	Pb%	Zn%	Cu%	Ag - g/t	Au - g/t	Fe%		CORE REC'D: RUN	SHORT
0	20	GLACIAL COVER														20	-
																22.5	0.5
20	267.9	MT. BLACK VOLCANICS														25.5	1.9
																28.5	-
20	70.25	Andesitic agglomerate Massive dark green coarse to very coarse and possibly graded unit as follows: 20–app 45 Agglomerate consisting of rounded to sub-angular andesitic fragments having diffuse (?welded) boundaries, densely packed (fragments 80% of rock) with a max dimension of 15mm within a chloritised and epidotised fine grained matrix.														31.5	0.4
																34.5	1.7
																37.2	1.2
																39.5	-
																40.5	-
																42.5	-
																45.0	0.7
																46.5	-
																48.5	0.6
																50.7	-
		45–70.25 Agglomerate consisting of coarse to very coarse angular fragments of porphyritic andesite commonly 20–60mm across, with occas fragments approx 10cm rarely to 28cm. Andesitic fragments vary from pale flesh pink to mostly medium green in colour, *accompanied by smaller, ragged black fragments.* Many fragments have diffuse (?welded) boundaries, matrix is silicified/epidotised to pale greenish-yellow.														51.3	-
																54.4	-
																55.3	-
																58.4	-
																59.8	-
																61.5	-
																62.7	-
																63.1	-
																64.5	-
																67.0	-
																67.3	-
																70.4	-
		Only 20% of core 20–49.25 is unweathered, remainder has undergone oxidation to an earthy brown colour. Weathered patches persist to 81m.														71.4	0.25
																73.1	0.3
																75.6	0.15
70.25	73.1	Sheared fine-grained ?andesitic spilite. Dark green, uniformly fine grained and foliated rock. Massive structure, sharp contacts. May be flow lava or minor intrusive Sample no. 48429 CMS Report 81/12/18														77.4	0.1
																78.9	0.4
																81	-
																82.5	-
																85.5	-
																88.5	-
73.1	85.9	Andesitic Agglomerate Similar to 40–7025 above Coarse grained andesitic fragments including highly porphyritic varieties. Unit contains some thin sheared spilite intercalations 82.3–84.9														91.5	-
																94.5	-
																97.5	-
																98.9	-
																100.5	-

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FOOTAGE FROM	FOOTAGE TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA Sample Length	Pb%	Zn%	Cu%	Ag - g/t	Au - g/t	Fe%		CORE REC'D RUN	CORE REC'D SHORT
85.9	87.0	Sheared fine grained ?andesitic spilite similar to 70.25–73.1 above.														101.7	–
																103.5	–
																106.5	–
87.0	101.3	Andesitic Agglomerate Similar to 73.1–85.9 and 40–70.25 above Below 91.0m epidotisation/serpentinisation of matrix is well reduced and matrix is more visibly ash-tuff. Fragments are less well defined with more diffuse boundaries this feature may be apparent – a result of the less altered (chloritic) matrix, but may also reflect a more ignimbritic nature with depth. Matrix has pervasive chloritic alteration (?sericitic) in the form of black chlorite stringers, clasts appear at least partly welded, many are fractured (and have chloritic infilling of fractures). Towards base of interval some 'clasts' appear to be that of fine spilite lavas although these may represent lava intercalations.													109.5	–
																112.5	–
																115.5	–
																118.5	–
																121.5	–
																124.5	–
																127.5	–
																130.5	–
																133.9	–
																135.0	–
																136.5	–
																139.5	–
																142	–
																145.1	–
																148.2	–
																148.8	–
																150.2	–
101.3	111.9	Sheared fine grained ?andesitic spilite – as described above 70.25–73.1 Includes several large (to 15cm) blocks of porphyritic andesitic lava towards base, 110.0–111.9														151.8	0
																153.5	–
																156.6	–
																159.7	–
																162.8	–
																165.9	–
																169	–
111.9	116.4	Andesitic agglomerate similar to 87–101.3 above.														172.1	–
																175.2	–
																178.3	–
116.4	121.25	Sheared fine grained ?andesitic spilite as described above 70.25–73.1 Epidotisation at 117.2–117.35 Massive qtz–chlorite veining 118.4–118.7, 120.15–120.3 (+epidotisation)														181.4	–
																187.3	–
																189.9	–
																191.7	–
																192.8	–
																193.3	–
121.25	126.65	Andesitic Agglomerate As described above 87.0–101.3 Epidotisation 125.8–125.9														195.5	–
																196.6	–
																199.5	–
																201.3	–
126.65	166.9	Sheared altered andesite lavas 126.65–128.2 sheared fine grained ?andesitic spilite as described 70.25–73.1 above														201.8	–
																204.2	–
																204.4	–
		128.2–133.5 Altered locally sheared porphyritic andesite. Dark green, fine grained with small dark green chloritised ?hornblende phenocrysts; patchy development of strong														205.7	0.1
																208.5	–
																211.5	–
																214.5	

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FOOTAGE FROM	FOOTAGE TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA: Sample Length	Pb%	Zn%	Cu%	Ag - g/t	Au - g/t	Fe%		CORE REC'D: RUN	CORE REC'D: SHORT
		shearing Samples 48430, 431, CMS Report 81/12/18														216.3	–
																219.4	–
		133.5–141.15 sheared fine grained ?andesitic spilite, as described 70.25–73.1 above	135.5–135.7 Isolated cubic & bleb py within broken area 132.5–151.8													222.5	–
			Py stringers at 140.0, 142.5													225.3	–
		141.15–142.55 Altered locally sheared porphyritic andesitic as described 128.2–133.5 above														228.4	–
																229.7	–
		142.55–143.25 Massive to semi-massive qtz	142.55–143.25 Massive to semi-massive qtz-carb veining													232.5	–
																235.5	–
		143.25–166.9 altered, locally sheared porphyritic andesite, as described 128.2–135.5 above.	157.5 as for 142.55–143.25													238.5	–
			155.5–155.65 2cm veinlet of py+po+sp+5cm area of stringer sp + minor py + ccp with q-c veining													241.5	–
		143.25–163.7 includes patchy development of silicification														245.5	8.9
		163.7–166.9 more intensive chloritisation giving pseudo-fragmental appearance to lava														246.4	–
																247.3	–
																248.4	–
																251.1	–
																251.8	–
																254.9	–
																256.9	–
																257.6	–
166.9	180.2	Andesitic Agglomerate Fragments of both porphyritic and non-porphyritic andesitic lava 4–10cm within a matrix of lithic vitric tuff. Lower density of fragments than previous agglomerate intervals.														259.1	0.15
																262.2	–
																265.5	0.15
																266.3	0.5
																267.4	0.1
																268.9	0.1
180.2	267.9	Sheared altered porphyritic andesite – as described 128.2–135.5 above. Locally brecciated, patchy areas of silicification and shearing 246.8–248.8 leached zone: cavities + spongy broken core 251.–267.9 FAULT ZONE rock is sheared, broken and oxidised with semi-massive qtz veining	181.7–182.2 thin po wisps on cleavage assoc with qc veinlets													270	0.40
																271.1	–
																272.3	0.2
			185,2–185.5 80% massive sp vein + po stringers as edging. Associated with 15–20mm carbonate vein.													273	–
																273.7	–
																275.1	–
																277.0	–
																278.5	–
			185.75–185.9 2% wisps of po + sp associated with qc veining													279.9	0.1
																280.2	0.15
			187.1–187.2 30% stringer po + py													281.5	0.1
			188.3–189.3 5% stringer + patchy po + py. Py as aggregates of cubic crystals													283.8	0.1
																285.3	–
																288.4	–
																291.6	–
			189.3–189.6 50% stringer + veinlet po+ crystalline asp + trace ccp													294.7	–
																295.4	–
			189.6–190.1 5% wisps + bleb po + ccp													298.1	–
																299.1	–
																300.3	0.1
			190.1–191.4 50% average (10–80%) stringer + veinlet po (70%) + py + asp + minor ccp													300.9	–
																301	–
																301.2	–
																303.4	–

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			193.1–194.4 1–5% stringer + blebs py + po + trace asp + sp assoc with carbonate veining													306.1	–
			196.5–198.5 <1–2% patchy specks + stringer py + minor po assoc with carbonate veining													309.3	–
			205.3–209.0 2% bleb + stringer py + minor po + trace sp assoc with qc veining													312.3	–
			251.8–254.1 1% weak stringer + bleb py + lesser asp + trace ccp assoc with thin carbonate veinlets													315.3	–
			260.1–264 2% specks + bleb + stringer (asp+py)+(po+py) Asp is cubic, absent below 262.5 Trace ccp													318.4	–
																321.5	–
																324.7	–
																327.8	–
																330.9	–
																334	–
																337.1	–
																340.2	–
																342.5	–
																EOH	
267.9	342.5	FARRELL GROUP SEDIMENTS Argillaceous sandstone and minor interbedded black shale. Sandstone is pale grey, medium grained and massive to weakly foliated with pervasive wisps and mottlings of black chlorite–sericite. Black shale is poorly laminated cleaved and irregularly interbedded to a max thickness of a few tens of cm, mostly a few cm. 267.9–273.3 FAULT ZONE: broken core 288.1–302.6 sandstone, massive moderately qtz–carbonate veined throughout, approx 2% along cleavage, tending to increase in density somewhat down interval.	264–268.5 1% weak stringer py + asp + trace ccp 307.25–307.9 Occassional veinlets + wisps po assoc with qc veining 309.3–311.3 patchy stringer po + asp + trace py 312.3–312.8 As for 309.3–311.3 313.25–313.85 10–80% asp + po + trace ccp 318.4–321.1 Several 1.5–5cm qc veins with asp+po bleb + patches														

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