ELECTROLYTIC ZINC COMPANY OF A'ASIA LTD.
MINERAL RESOURCES DIVISION — TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No. DDH MZP 258
SHEET No. 1.

PROJECT: MONTEZUMA J.V. - PART E.L. 15/76
LOCALITY: Godkin Ridge, 6km SSE of Renison Bell
OBJECTIVE: To test a soil and bedrock Sn anomaly on the Montezuma Fault for either carbonate-hosted or fault-controlled Sn mineralisation.
RESULT: Intersected strong py+asp veining within the Montezuma Fault (3.3m @ 0.113%Sn, 7.11% As) with flanking zone of dis replacement py (with 0.184% Sn).

GRID CO-ORDS: Line 9 at 5,408E
A.M.G. CO-ORDS: 372,918mE 5,365,836mN
COLLAR R.L.: 653
COLLAR DIP: 50°
AZIMUTH: 256° AMG
TOTAL DEPTH: 272.0m

HOLE SIZE: HQ - 1.0; NQ - 39; BQ - TD
CASING: PVC to TD
COMMENCED: 17.4.84
COMPLETED: 4.5.84
LOGGED BY: R.A. Sainty

Depth (m)	Azimuth (°a.m.g.)	Dip	Depth (m)	Azimuth (°a.m.g.)	Dip
80	256	50.5			
140	255.5	50			
185	256.5	49.5			
230	256	47.75			
269	255	45.5			

DEPTH From	DEPTH To	ROCK DESCRIPTION	MINERALISATION	CORE REC'D Run	CORE REC'D Short
0.	9.6	**Grey chert pebble conglomerate.** Densely packed framework-supported grey 'chert' pebble conglomerate. Angular to frequently rounded pebbles, mostly 0.5-1.0cm diam.			
9.6	33.3	**Thickly interbedded laminated black siltstone & grey medium grained volcanic arenite.** Erratic bedding angles - subparallel to 80° to core.			
33.3	49.5	Green to pale grey dolomitic **mass-flow mudflow deposit** (sericitic claystone?). Dolomite ovoid masses and lumps. Interrupted by intervals of pale grey medium-grained volcanic arenite: 35.8-36.1 and 36.6-37.2 (latter graded up hole). 39.5-45.0 Contains abundant milli- to centimetric fragments of pyritic grey quartz arenite.			
46.5	58.6		***Disseminated, stringer and massive vein sulphide: py+po, gn, sp, tet, ccp.*** Short intervals of massive vein sulphide 0.3-1.0m in length separated by weak stringer-style veining or barren rock. The longest massive sulphide length is 49.6-50.6m, this and the other short lengths comprise massive pyrite±pyrrhotite (po 53.2-53.5) with associated sphalerite, galena, tetrahedrite, and chalcopyrite.		
49.5	55.2	**Thinly interbedded laminated black siltstone & pyritic medium-grained volcanic arenite.** Black siltstone interbeds are slightly contorted ~50° to 90° to core axis, host mineralisation.			
55.2	85.0	***Volcanic Wacke**, as follows* 55.2-63.1 Pale brown, coarse-grained volcanic (quartz and feldspar crystal) wacke 63.1-85.0 Pale to dark grey to brown-grey volcanic wacke i.e. quartz and feldspar crystals and fragments in a dark siliceous silty matrix (matrix supported). Massive to crudely bedded (with dark silty intervals). From 70.0-85.0 rock contains abundant rip-up clasts of laminated black siltstone and occasional calsts of pyritic chert and coarse-grained feldspar wacke.	62.3-63.1 Semi-massive pyritic sulphide vein, as per 46.5-58.6, above.		
85.0	117.45	**Thickly interbedded volcanic wacke and black siltstone,** as follows: 85.0-91.5 Finely laminated black siltstone. Minor arenite intercalations. Bedding mainly 70° to core 91.5-97.0 *Grey-brown massive volcanic (quartz feldspar crystal) wacke.* Grey fine-grained matrix. 97.0-98.4 Laminated black siltstone. Bedding mainly 65° (to 85°) to core 98.4-101.9 Grey-brown massive volcanic arenite 101.9-111.05 Laminated black siltstone. Bedding (75°-) 80° to core. Minor arenite layers and thin pyrite stringers over last 80cm. 111.05-117.45 Grey-brown massive to crudely layered volcanic wacke. Siderite veins to 5cm-width in topmost 1.5m			

A 18620

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

HOLE No. DDH MZP 258
SHEET No. 2

DEPTH From	DEPTH To	ROCK DESCRIPTION	MINERALISATION	CORE REC'D Run	CORE REC'D Short
117.45	148.2	**Laminated Black Siltstone** Up interval (above 131m), bedding varies greatly i.e. 25-70° to core with a reversal in bedding direction with respect to core. Down-interval (below 131m), there is much soft-sediment slumping contortion of bedding. Near base of unit bedding is uniform, at 65-70° to core.			
148.2	184.0	**Volcaniclastic debris-slide breccias, minor arenites,** as follows: 148.2-158.0 Mixed breccias, mudflows, arenites and ashes. Short intervals (0.2-0.7m) of coarse debris-slide breccias (=framework-supported white-cream centimetric (to 10cm), angular to rounded siliceous felsic lava clasts with dark silty matrix), with pale green-cream massive ash beds (eg 156.85-158.0), grey volcanic wackes, and a pale green-grey lithic mudflow breccia (153.7-154.8) 158.0-184.0 Mostly coarse volcaniclastic breccia: white-cream angular to rounded centimetric (mean 3-5cm to 10-40cm) siliceous felsic lava clasts framework-supported but matrix-supported down-interval with a dark silty matrix. 165.7-178.0 Pebbly coarse-grained quartz arenite. Clasts to 7cm (including black siltstone clasts) with intervals of coarser breccias included. Three successive intervals are reverse-graded, fining down-hole: 174.3-175.35, 175.35-175.85, 175.85-177.0; a fourther is graded fining up-hole - 177.0-178.55 (Reverse grading indicating fan or delta-front deposition?)			
162.45	165.75	**Montezuma Fault** zone of intense shattering and brecciation; rehealed and competent, within framework-supported felsic volcanic clast sedimentary breccia, as described above.	Strong (20-40%, average 30%) narrow stringer veins of pyrite-arsenopyrite with accessory pyrrhotite, sphalerite, jamesonite and cassiterite in a tourmaline-quartz breccia matrix. Refer to 53532 @ 162.8m, 53533 @ 163.45 and 53534 @ 164.45 in CMS 84/5/27		
165.75	171.1	Pebbly coarse-grained quartz-arenite, unaltered (described above: 165.7-178.0)	165.75-171.1 Pervasive disseminated py & lesser sphalerite within the arenite matrix. Most abundant 167.4-170.0 Refer 53535 in CMS 84/5/27		
184.0	190.4	**Laminated black siltstone** Bedding is interslumped at top, with remainder varying smoothly from 25° to core at 186.2 to 45° to core below 188m. Slatey cleavage developed in part, at 50° to core *in opposite sense to bedding.*			
190.4	223.25	**Volcaniclastic debris-slide breccias,** as above. Fragments to 20cm. Mostly matrix-supported, locally framework-supported. 201.6-204.4 Abundance of laminated black siltstone bands and clasts of sandy black siltstone in the breccia			
223.25	239.7	**Laminated black siltstone** Thin arenite laminae are commonly graded, fining up-hole. Bedding 35-40° throughout.			
239.7	272.0 TD	**Interbedded laminated black siltstone and volcanic arenite** Siltstone contains thin arenite laminae and interbeds with graded upwards fining intervals and contact relationships. Arenite beds contain centimetric rip-up clasts of laminated black siltstone, eg 242.0-245.9m			

A 18622