

ELECTROLYTIC ZINC COMPANY OF A'ASIA LTD.		DIAMOND DRILL CORE RECORD				HOLE No. <u>DDH CHP 267</u>				
MINERAL RESOURCES DIVISION - TASMANIA						SHEET No. 1.				
PROJECT:	E.L. 1/62 MT. BLACK JOINT VENTURE	GRID CO-ORDS:	HOLE SIZE: 0-9m HQ Tricone bit 9-32.7m NQ 32.7-133.5m BQ		Depth (m)	Azimuth (°m.g.)	Dip	Depth (m)	Azimuth (°m.g.)	Dip
LOCALITY:	Colebrook Grid	A.M.G. CO-ORDS:	5,3,70,784mN 375,792mE		40	086.5	-36.5			
OBJECTIVE:	To test a rock chip Sn geochemical anomaly and a co-incident E.M. and weak rock chip Sn anomaly.	COLLAR R.L.:	297m		70	090	-35.5			
RESULT:	Sn mineralisation is restricted to narrow fracture controlled veins. Best values 0.65m @ 1.01% Sn. E.M. response is due to increased barren sulphide content in a fracture zone.	COLLAR DIP:	-45°		100	087	-33			
		AZIMUTH:	090° AMG		133	088	-31			
		TOTAL DEPTH:	133.5m		COMPLETED: 19th June, 1984		LOGGED BY: I.R. McDonald			
DEPTH		ROCK DESCRIPTION	MINERALISATION				CORE REC'D			
From	To		Run	Short						
0	9.0	No core. Tricone bit.								
9.0	21.5	Sedimentary Breccia. Dominantly black to dark grey Mudstone/Siltstone with varying amounts of grey f-mg Quartz Wacke as contorted and broken beds and clasts. Entire section is weakly stressed with a superimposed weak tectonic breccia fabric and contains broken and contorted thin quartz veins. 9.0-9.4 Broken core 9.0-10.7 Quartz veining more abundant, especially 10.0-10.5 12.4-12.6 Quartz-pyrite veins 13.1-13.5 Increased quartz veins and tectonic brecciation 14.2-14.4 Increased quartz veins 17.9-18.6 Weakly laminated bedding 65-80° 18.8-20.7 More strongly brecciated Lower contact gradational.	Sulphide content variable, average about 2% as Pyrite veinlets and stringers, strongest in areas of quartz veining  5% Pyrite veinlets 5% Pyrite				9.0			
21.5	23.7	Finely interbedded (beds 3-10mm thick) grey mg Quartz Arenite, fg Quartz Wacke and dark grey Siltstone. Beds are weakly contorted and show soft-sediment slumping and microfaulting. Bedding mainly 75-80°. Weak examples of grading, scour and fill, and flames suggest up-hole facing; but weak grading suggesting down-hole facing can also be found. Lower contact irregular about 35°	Pyrite 1-2% in irregular stringers				100.5			
23.7	40.2	Dominantly grey massive f-mg Quartz Wacke with interbeds of dark grey Siltstone and rare mudstone. Variable thin quartz and carbonate veins occur throughout. 23.7-24.35 Quartz-pyrite veins 24.35-24.8 Interbedded Siltstone/Sandstone 50°, Minor quartz-pyrite veins 27.1-27.3 Contorted slump breccia 27.8-30.6 Micaceous mg Quartz Wacke 31.3-31.8 Slump breccia 31.3-32.9 Irregular quartz-(carbonate)-pyrite veining 36.6 30mm band of syngenetic fg pyrite at 50° 36.7-37.3 Interbedded slump brecciated Siltstone and Mudstone 37.8-39.0 Interbedded Siltstone/Mudstone/Sandstone. Some slumping but bedding mainly 65° Lower contact 70° with 15mm irregular band of syngenetic fg pyrite.	Sulphides very variable as veinlets and stringers of pyrite usually associated with quartz-(carbonate) veins Pyrite 5-10% Pyrite 2-3%  Pyrite 2% stringers and veinlets				101.2	0.4		
40.2	42.3	Interbedded grey mg micaceous Quartz Arenite, grey fg Quartz Wacke, dark grey Siltstone and black Mudstone. Thin quartz-carbonate-pyrite veining 40.2-40.4 Mudstone grades down into wacke suggesting up-hole facing 40.7-40.9 Slump breccia texture 41.85-41.95 Thicker quartz veins Lower contact irregular	3% Pyrite average in veinlets and stringers often with thin chloritic selvages				103.5	+0.1		
42.3	42.8	Thinly bedded black Mudstone and grey fg Quartz Arenite. Laminated bedding 45-50°. Lower contact 50°	Pyrite 1% in thin pyrite-chlorite veinlets				109.5			
							110.3	0.1		
							133.5			