



DOWN HOLE INFORMATION			GEOCHEMISTRY		GEOPHYSICS	
Lithology	Mineraln	Depth (m)	Pb	Zn	Resistivity	Magnetic Susceptibility
No core		0				
Black slate, strongly sheared, very minor quartzite		0-50				
60-45-138-0 irregular py veinlets	abundant py veinlets	50-100				
Intensely sheared black slate plastically deformed	no vn py abundant py veinlets	100-150				
laminated slate and quartzite	no vn py some py vns	150-200				
laminated black s. te	20cm py vn qtz vns	200-250				
laminated slate and quartzite		250-300				
black slate strongly sheared		300-350				
grey quartzite very little slate		350-400				
black slate minor quartzite strongly sheared		400-450				
sericitic and dolomitic siltstone and qtz arenites interspersed		450-500				
dolomitic conglomerate dolomite		500-550				
dolomitic conglomerate		550-600				
sericitic and dolomitic siltstones and qtz arenites. Some pyritic thin rare bands of dolomitic conglomerate		600-650				
dolomitic conglomerate		650-700				
green schist		700-750				
E.O.H 374-0m		750-800				

SUMMARY OF COMPLETED HOLE				SPECIFICATIONS OF PROPOSED HOLE			
CO-ORDINATES	NORTHING	EASTING	R. L.	CO-ORDINATES	NORTHING	EASTING	R. L.
LOCAL GRID	2960 N	5000 E	635.7	LOCAL GRID	2960 N	5000 E	641
A.M.G.	5364 004-0	373 086-5	635.7	A.M.G.	5364 008	373 087	641
AZIMUTH: 240° AMG	DIP: -80°	TOTAL DEPTH: 374.0 m		AZIMUTH: 240° AMG	DIP: -75°	DESIGNED DEPTH: 320 m	
COMMENCEMENT DATE: 9-7-83	COMPLETION DATE: 30-7-83	ESTIMATED COMMENCEMENT: JUNE 1983					

INTERNAL SURVEY INFORMATION						ANTICIPATED GEOLOGY			
DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	LITHOLOGY	DEPTH	NATURE OF TARGET AND ANTICIPATED DEPTH
4.4 m	241° AMG	78°	200 m	249.5° AMG	60°	0-250	Oonah FM - Black slates and grey quartzites - interbedded and sheared.		Massive and stringer pyrite with Sn as a replacement of the dolomitic unit and within 'feeder' fault zone, between 250m-300m down hole.
80 m	237° AMG	78°	226 m	251° AMG	59°	250-300	Maestries Dolomitic Conglomerate.		
125 m	243° AMG	73.5°	322 m	251° AMG	56°	300-	Concert Group - Grey and green schistose siltstones.		
164 m	245° AMG	67.5°	374 m	254° AMG	52.5°				

DRILLED GEOLOGY (SUMMARISED)			
DEPTH	LITHOLOGY	DEPTH	MINERALISATION AND SIGNIFICANT ASSAYS
0-232-15	Oonah FM: Black slates and grey quartzites: interbedded, laminated and freq. intensely sheared, folded.	60-45-138-0	Entirely within Oonah FM as follows - Abundant narrow py veinlets throughout sheared black slates, typical 3m assays: 100-300 ppm Sn. Specific elevated values: 72.0-129.8 189.0-201.0 215.4-232.15
232-15-367-0	Intensely sheared, plastically deformed. Maestries Dolomitic Conglom. Recrystallized dolomite-matrix pebble conglomerate except 232-65-254-8 264-0-268-53 308-65-343-45 dolomitic siltstones and quartz arenites.	67-5-67-8 80-85-81-5	Py vns 3010 ppm (typical veins, but clustered set in short interval.) Pb-Sb-As-S f Jamesonite - f apatite-type veins. 24.8% Pb, 525 ppm Ag, 5.05% Fe, 2.10% As.
367-0-374-0	Concert Group 'Schist'. Poorly laminated green schist.	90-0-93-0 96-0-99-0 114-0-117-0 126-0-129-0 135-35-135-55 135-55-136-15	1220 ppm Sn 1190 ppm Sn 939 ppm Sn 756 ppm Sn 2600 ppm Sn with 160 ppm Ag, 9.1% As 820 ppm Sn

SAMPLE DATA				ELECTROLYTIC ZINC CO. OF ASIA LTD.	
SAMPLED INTERVAL	SAMPLE NUMBERS	SAMPLE TYPE	ELEMENTS DETERMINED	LAB. METHOD	PROJECT: MONTEZUMA J.V. TAS.
3-0-374-0 in 3m max. lengths	53971-54000 53405-53500 57801-57808	Filter but very short intervals were split.	Cu, Pb, Zn, Ag, Fe, Mn, As, Sn	AAS XRF	
67-7 92-8 135-45	53521 53522 53523	slotted core	C.M.S. mineralogical description C.M.S. report 83/9/27	thin and polished section	
4-5 237-8 252-0 310-4 331-5 338-5 356-0	53525 53526 53527 53528 53529 53530 53531	split core	C.M.S. petrographic description C.M.S. report 83/10/12	thin section	

NOTES: Thin/polished section work revealed Sn occurs as very fine grained cassiterite mostly (20µ or 20-50µ, but up to 100µ), within fine-grained matted tourmaline-qtz zones flanking the pyrite veinlets.

LOGGED BY: ROD SAINTY DATE: October 1983

DESIGNED BY: ROD SAINTY DATE: 23-5-83

AIM OF HOLE: To test down-dip intersection of Maestries Dolomitic Conglomerate with Montezuma Fault for pyrite-hosted Sn mineralization, beneath coincident EM and soil Sn geochemical anomalies.

NOTES: Hole was collared at -75° as MZP 245 on 6-7-83, but abandoned at 56m due to excessive deflection (lift of 9°). MZP 245 a was drilled using a chromed barrel, inverted bit and backend reamer in NQ to 84m and in BQ from 201-245m to control deflection.

SCALE: As shown Survey: R.A.S. Revised: Reference: Date: 15-8-83 REF. No. Drawn: R.J.R. Checked: R.A.S. AI-527-0041