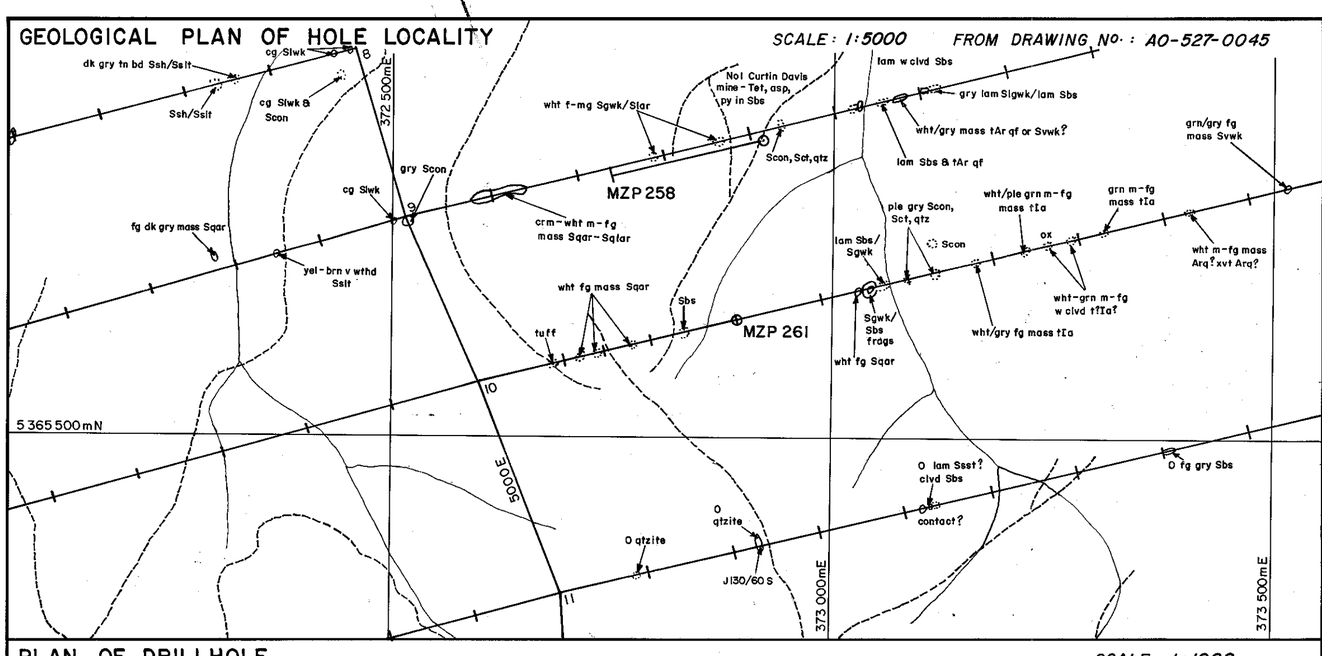
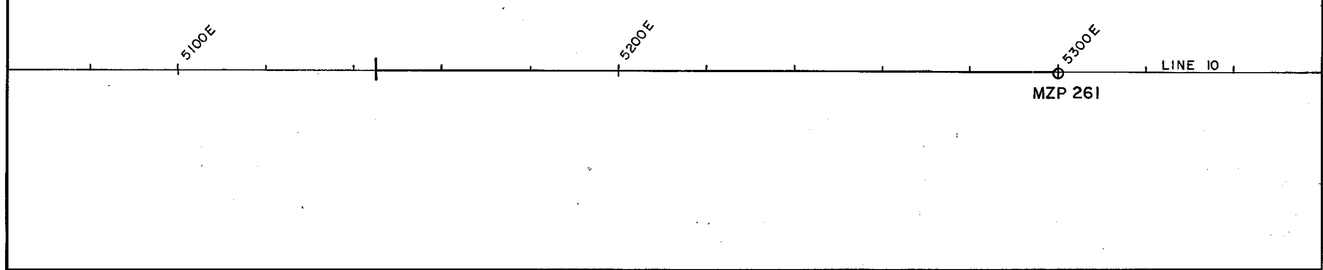
GEOLOGICAL PLAN OF HOLE LOCALITY

SCALE: 1:5000 FROM DRAWING No.: A0-527-0045



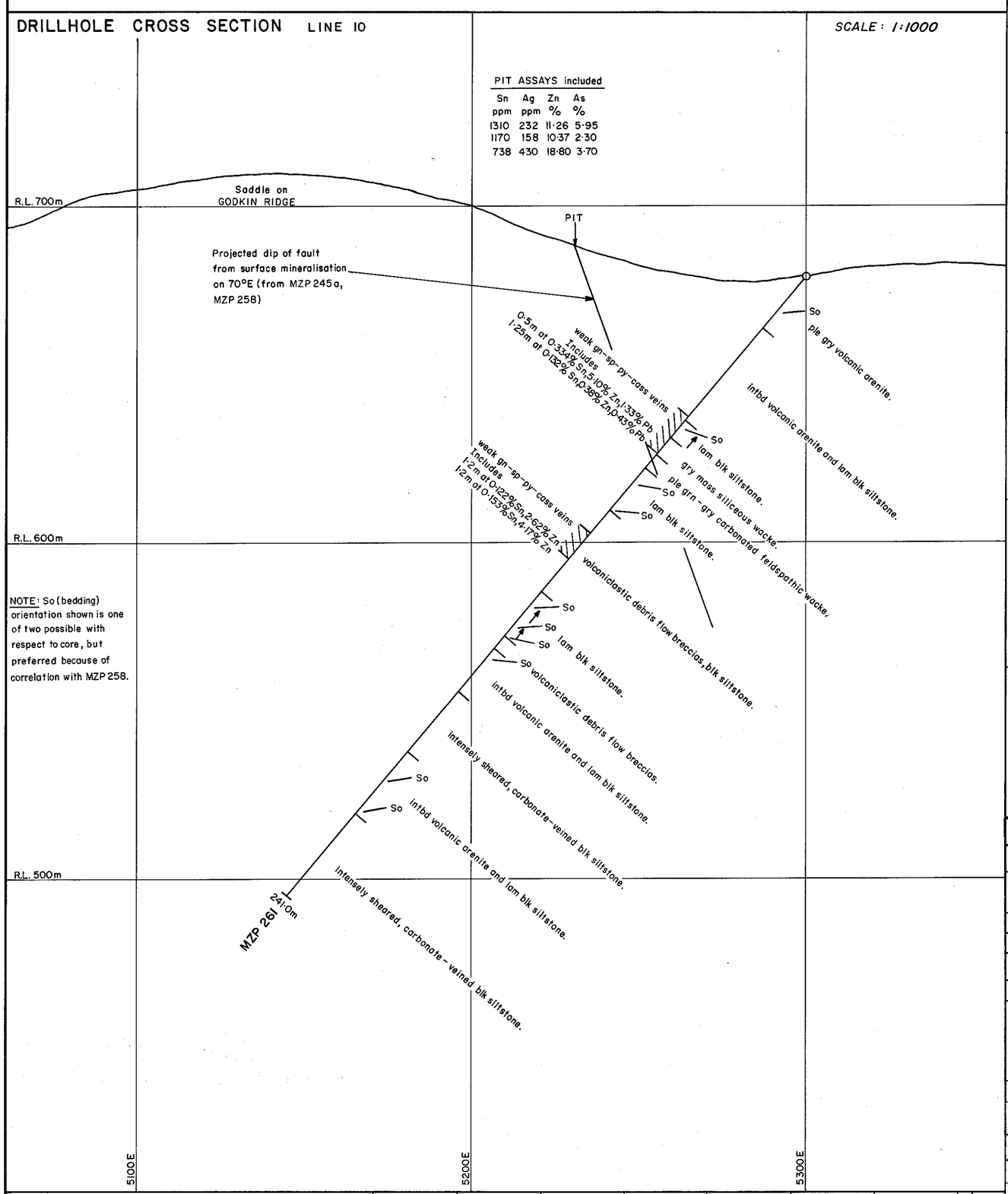
PLAN OF DRILLHOLE

SCALE: 1:1000

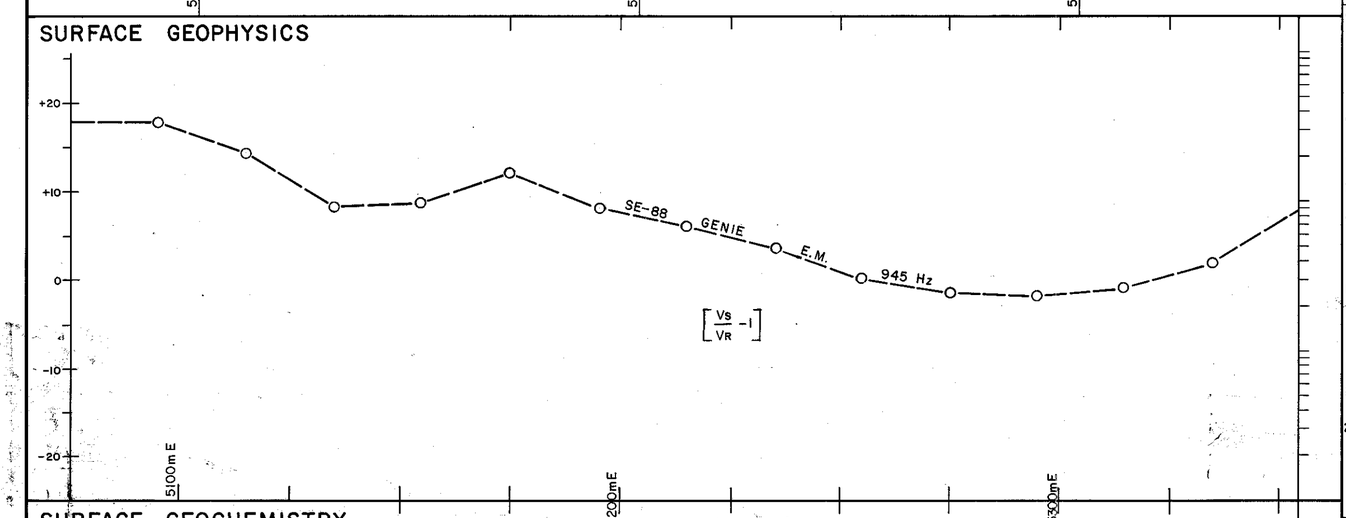


DRILLHOLE CROSS SECTION LINE 10

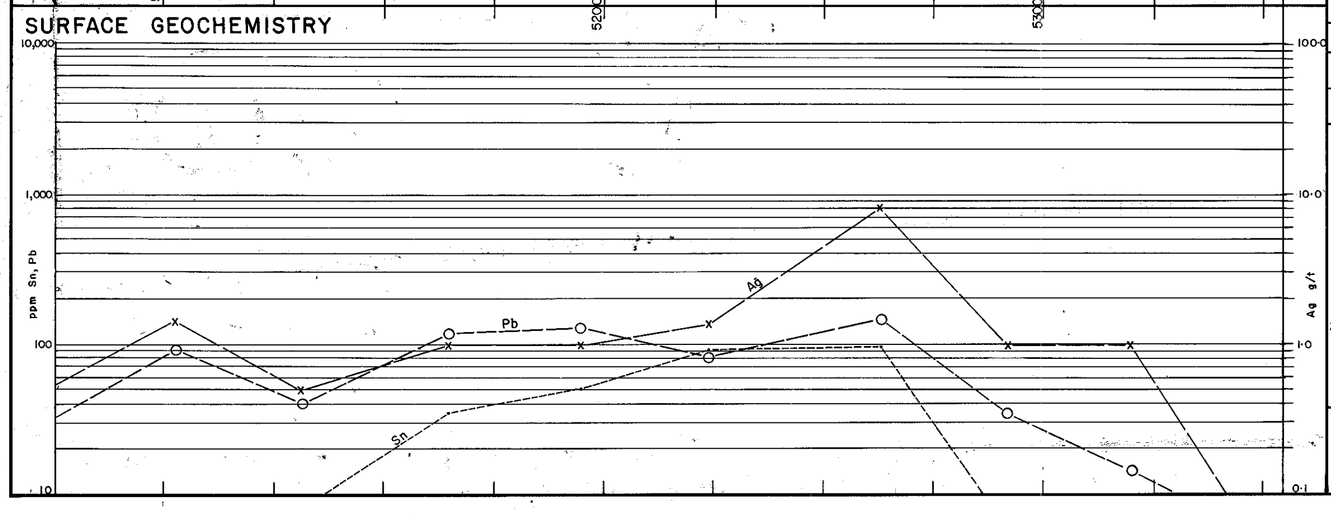
SCALE: 1:1000



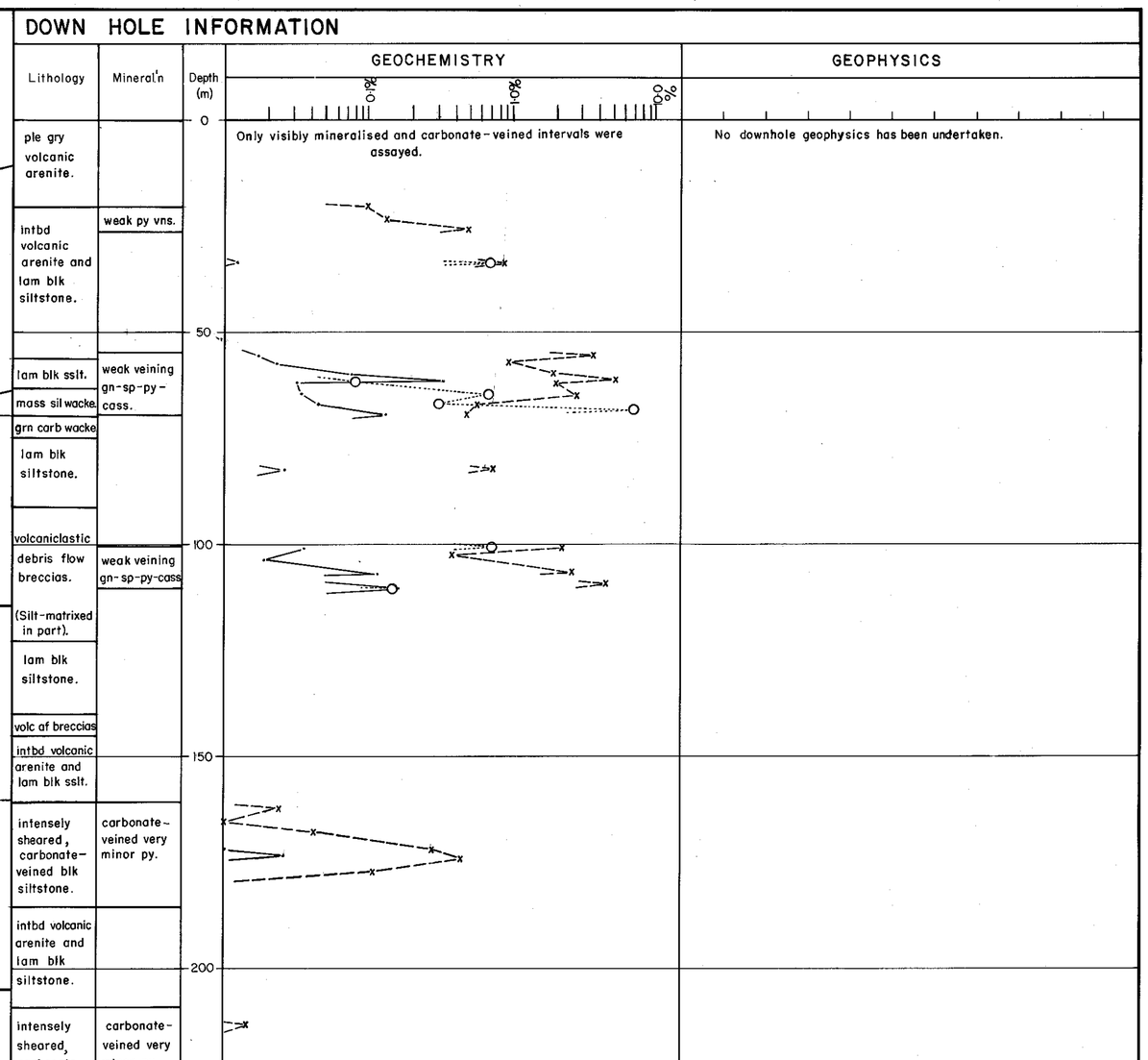
SURFACE GEOPHYSICS



SURFACE GEOCHEMISTRY



DOWN HOLE INFORMATION



SUMMARY OF COMPLETED HOLE

CO-ORDINATES	NORTHING	EASTING	R.L.
LOCAL GRID	LINE 10	5300 E	679m
A.M.G.	5,365,630	373,890	

AZIMUTH: 256° AMG DIP: 50° TOTAL DEPTH: 241·0m

COMMENCEMENT DATE: 8-5-'84 COMPLETION DATE: 31-5-'84

INTERNAL SURVEY INFORMATION

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
Surveys unsuccessful due to camera timing fault. Hole path assumed to be straight. (Validity of this assumption demonstrated by MZP 258 path).					

HOLE SIZE	FROM	TO	HOLE SIZE	FROM	TO
HQ	0	3·0	BQ	27·5	241·0
NQ	3·0	27·5			

DRILLED GEOLOGY (SUMMARISED)

DEPTH	LITHOLOGY	DEPTH	MINERALISATION AND SIGNIFICANT ASSAYS
0-2·5m	No core (tricone).		
2·5-20·4m	Ple gry volcanic arenite.		
20·4-56·4m	Intbd volcanic arenite and laminated black siltstone.	55·0-69·6m	Sporadic thin veinlets of gn-sp-(tour-cass). Includes: 0·5m at 0·334% Sn, 1·33% Pb, 5·10% Zn, 51ppm Ag. 1·25m at 0·132% Sn, 0·43% Pb, 0·38% Zn, 34 ppm Ag.
56·4-63·25m	Laminated black siltstone.		
63·25-69·8m	Grey, massive, siliceous volcanic wacke.		
69·8-75·1m	Pale green to grey dolomitic feldspathic wacke.		
75·1-91·5m	Laminated black siltstone.		
91·5-123·15m	Volcaniclastic debris flow breccia. Silt-matrixed in part.	100·6-110·3m	Sporadic thin veinlets-as above. Includes: 1·2m at 0·122% Sn, 2·62% Zn. 1·2m at 0·153% Sn, 4·17 % Zn, 40 ppm Ag.
123·15-140·3m	Laminated black siltstone.		
140·3-145·2m	Volcaniclastic debris flow breccia.		
145·2-161·85m	Intbd volcanic arenite and laminated black siltstone.		
161·85-185·55m	Intensely sheared, carbonate-veined black siltstone.		
185·55-209·4m	Intbd volcanic arenite and laminated black siltstone.		
209·4-241·0m	Intensly sheared, carbonate-veined black siltstone.		

LOGGED BY: ROD SAINTY DATE: Sept.-Oct. 1984

SAMPLE DATA

SAMPLED INTERVAL	SAMPLE NUMBERS	SAMPLE TYPE	ELEMENTS DETERMINED	LAB. METHOD
20·5-26·5m	63761-63779	split	Cu, Pb, Zn, Ag, Fe, As.	AAS
33·4-34·0m			Sn, Sb.	XRF
43·9-45·2m			Au.	fire assay/AAS
55·0-63·8m				
64·8-69·6m				
70·0-73·6m				
81·6-82·6m				
100·6-104·4m				
105·9-107·1m				
109·1-110·3m				
161·9-184·0m	63780-63789	split	as above	as above
214·0-241·0m	63790-63798	split	as above	as above

NOTES:

SPECIFICATIONS OF PROPOSED HOLE

CO-ORDINATES	NORTHING	EASTING	R.L.
LOCAL GRID	LINE 10	5300 E	
A.M.G.			

AZIMUTH: 256° AMG DIP: 50° DESIGNED DEPTH: 250m max.

ESTIMATED COMMENCEMENT: May 1984

ANTICIPATED GEOLOGY

DEPTH	LITHOLOGY	DEPTH	NATURE OF TARGET AND ANTICIPATED DEPTH
0-250m	Dundas Group sediments: black shales, tuffaceous arenites and wackes, carbonate units possible.	~70-180m	Semi-massive pyrite ± pyrrhotite within Montezuma Fault (and carbonate replacement?). Depth estimates based on expected 70° E dip of Montezuma Fault, as indicated by MZP 245a, 1·9 km to the south. 70m estimate from pit with high Zn-As-Ag-Sn, 180m estimate from upslope end of soil geochem. anomaly.

DESIGNED BY: ROD SAINTY DATE: MARCH 1984

AIM OF HOLE:

To test a soil and bedrock Sn anomaly on the Montezuma Fault for either carbonate-hosted or structurally-located Sn mineralisation.

NOTES: RESULTS:

This hole intersected a broad zone of weak gn-sp-py veining containing intervals of 0·1-0·3% Sn within black siltstone and silt-matrixed sedimentary breccia. Montezuma Fault is ill-defined on this section.

5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: MONTEZUMA J.V. TAS.

SPECIFICATIONS AND SUMMARY OF RESULTS

EXPLORATION DIAMOND DRILL HOLE No. MZP 261

SCALE: As shown	Survey: R.A.S.	Revised:
Reference:	Date: 11-5-'84	REF. No.
Drawn: R. J. R.	Checked:	A1-527-0049

TCR 94-3609
EL 15/76
E.Z. CO. GEOPEKO
MONTEZUMA