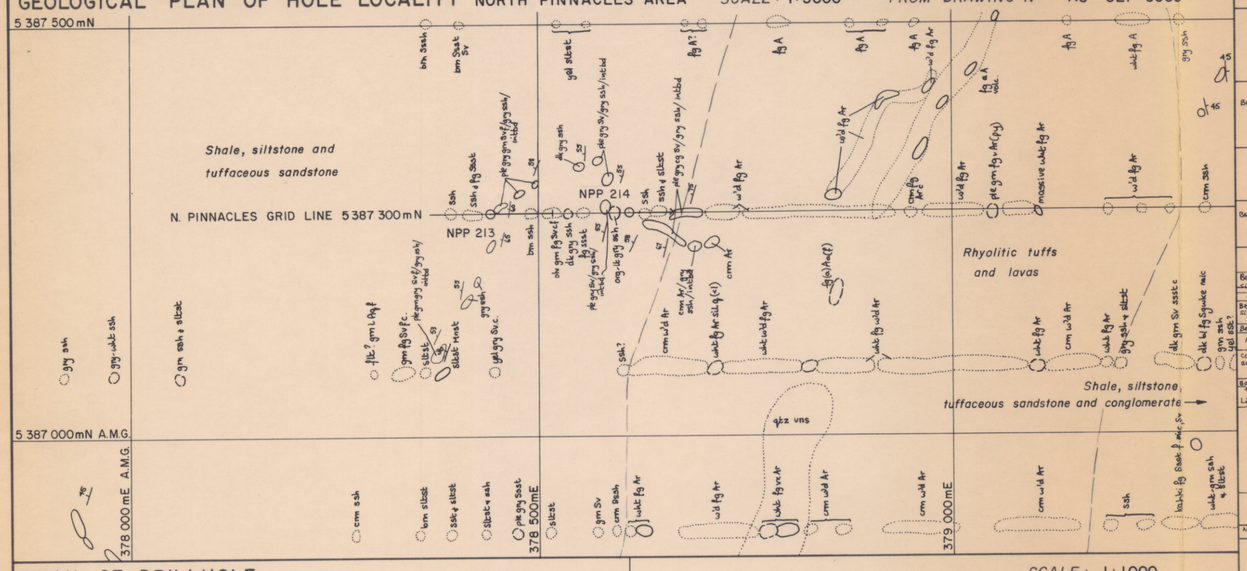
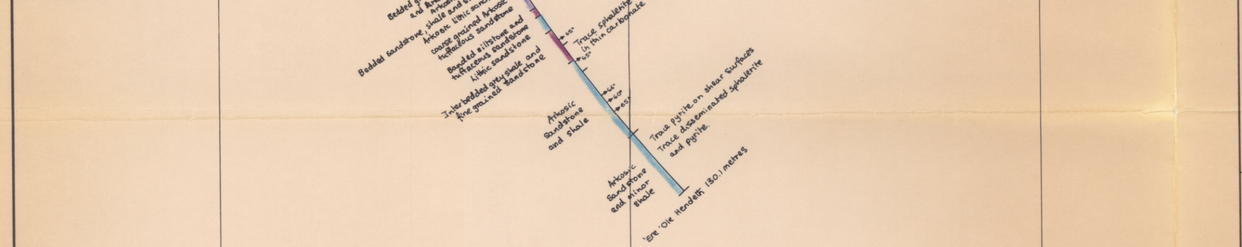
GEOLOGICAL PLAN OF HOLE LOCALITY NORTH PINNACLES AREA

SCALE: 1:5000 FROM DRAWING NO: AO - 521 - 0033



PLAN OF DRILLHOLE

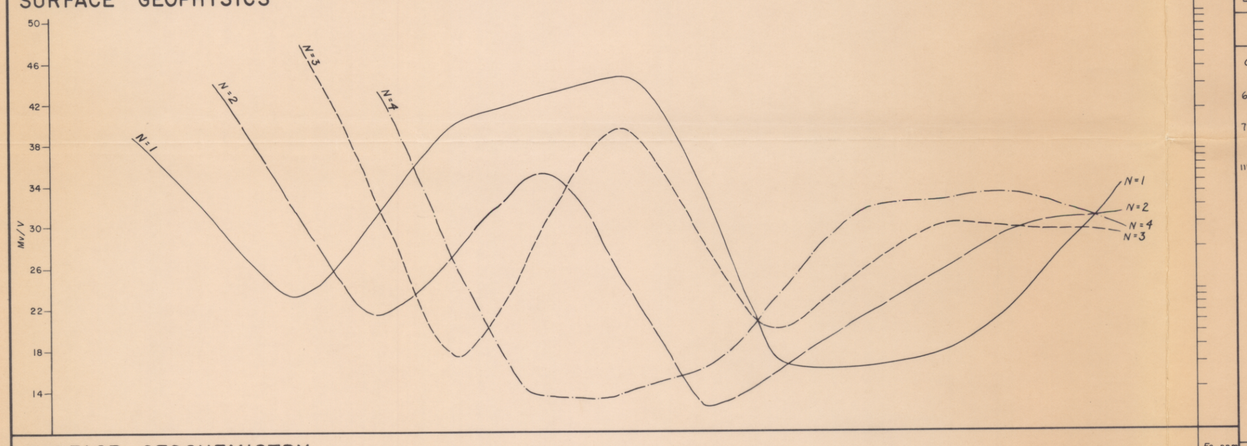
SCALE: 1:1000



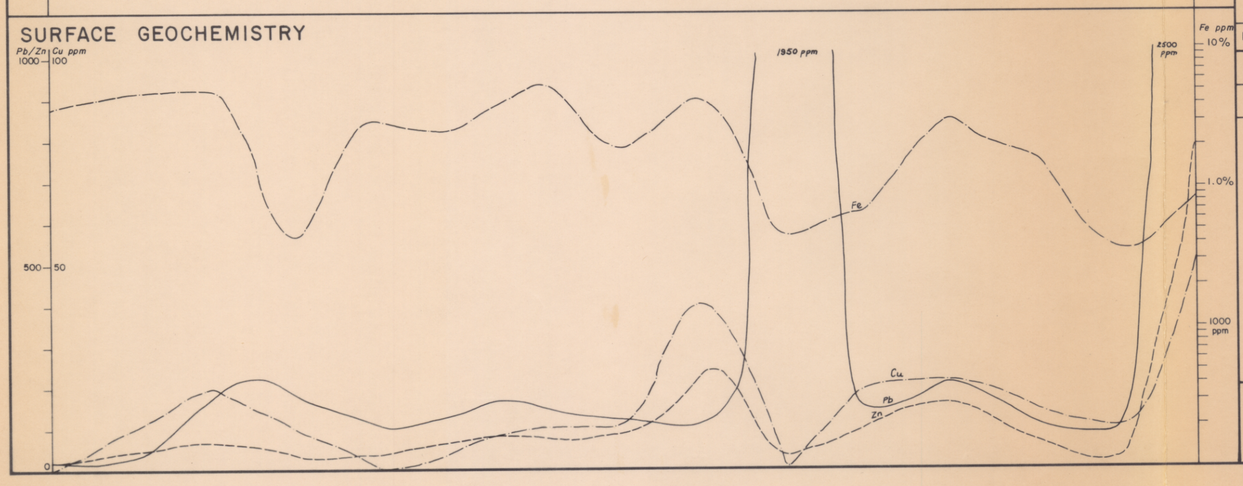
DRILLHOLE CROSS SECTION 5 387 300 mN

SCALE: 1:1000

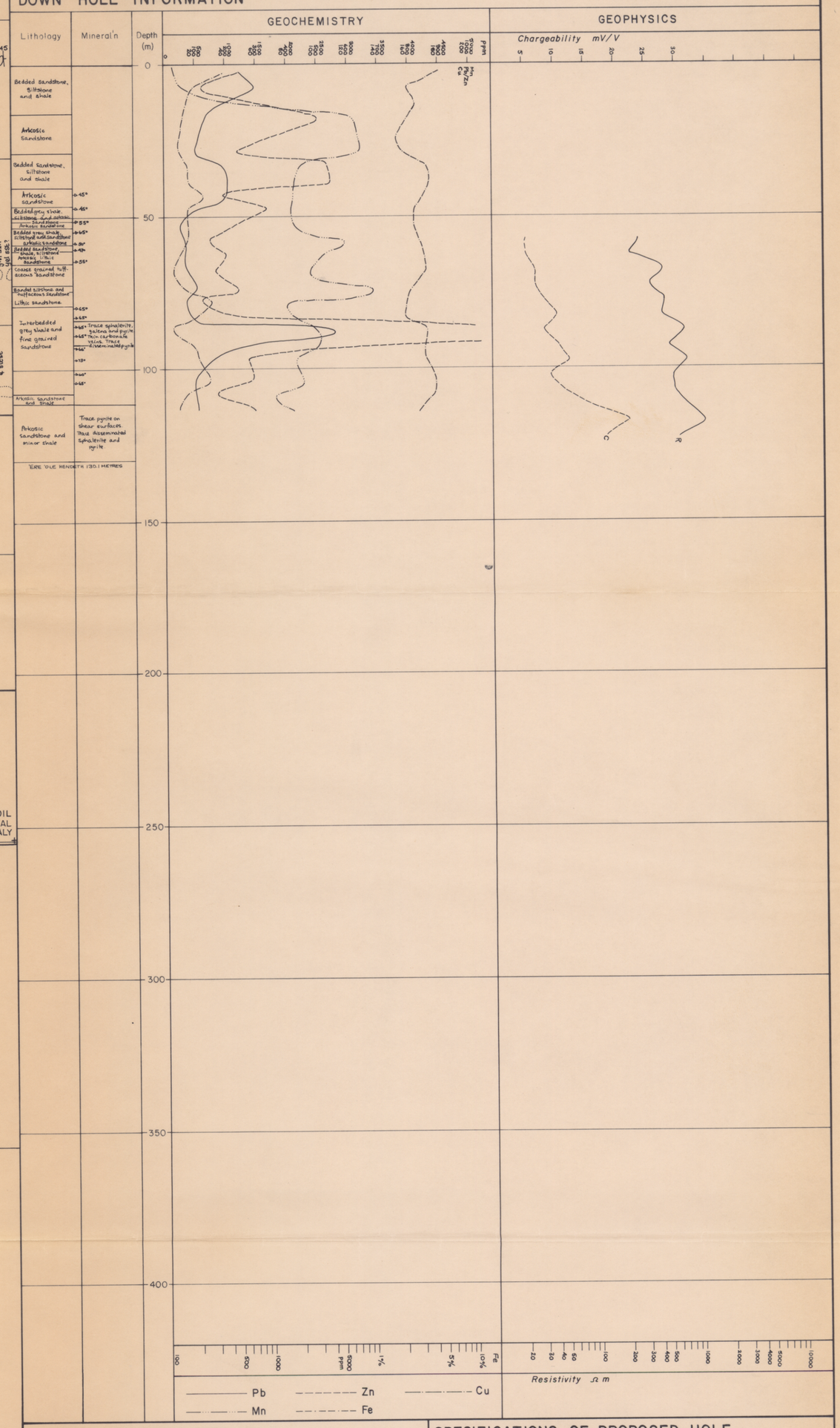
SURFACE GEOPHYSICS



SURFACE GEOCHEMISTRY



DOWN HOLE INFORMATION



SUMMARY OF COMPLETED HOLE

CO-ORDINATES	NORTHING	EASTING	R.L.
LOCAL GRID North Pinnacles	5387300 mN	378 440 mE	559 m
A.M.G.	5 387 296.1	378 424.5	

AZIMUTH: 90° A.M.G. DIP: -60° TOTAL DEPTH: 130.1 m

COMMENCEMENT DATE: 11.1.1980 COMPLETION DATE: 25.1.1980

INTERNAL SURVEY INFORMATION

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
90 m	102.5° (TRUE)	-53°			

HOLE SIZE	FROM	TO	HOLE SIZE	FROM	TO
NQ	0.0 m	42.0			
BQ	42.0	130.1			

DRILLED GEOLOGY (SUMMARISED)

DEPTH (m)	LITHOLOGY	MINERALISATION AND SIGNIFICANT ASSAYS
0-63.5	Interbedded grey shale, siltstone and arkosic sandstone	Nil.
63.5-79.1	Coarse grained lithic feldspathic sandstone and minor shale. Tuffaceous.	Nil.
79.1-111.5	Laminated shale and fine grained arkosic sandstone.	84.0-92.0m trace sphalerite, galena and pyrite associated with minor carbonate veining.
111.5-130.1	Arkosic sandstone and minor grey shale.	111.5-130.1m trace pyrite on shear surfaces and trace disseminated sphalerite and pyrite in sandstone.

LOGGED BY A.M., J.M. DATE:

SAMPLE DATA

SAMPLED INTERVAL	SAMPLE NUMBERS	SAMPLE TYPE	ELEMENTS DETERMINED	LAB. METHOD
0-110.0 (5m intervals)	33010-33031	CHIP	Pb, Zn, Cu, Fe, Mn	A.A.S.
110.0-113.5	33032	"	"	"

NOTES:

THIS HOLE IS PLOTTED ON LOCAL GRID CO-ORDINATES, NOT A.M.G.

(N.B. A.M.G. is the abbreviation for Australian Metric Grid.)

SPECIFICATIONS OF PROPOSED HOLE

CO-ORDINATES	NORTHING	EASTING	R.L.
LOCAL GRID North Pinnacles	5 387 300 mN	378 440 mE	559 m
A.M.G.			

AZIMUTH: 077.5° mag. DIP: -60° DESIGNED DEPTH: 200m

ESTIMATED COMMENCEMENT: November 1979

ANTICIPATED GEOLOGY

DEPTH	LITHOLOGY	NATURE OF TARGET AND ANTICIPATED DEPTH
0-152m	Interbedded shale, siltstone and tuffaceous sandstone.	Discrete I.P. response in sediments at 67.0m down hole.
152-200m	Massive rhyolitic flows and pyroclastics.	Geochem anomaly associated with sedimentary volcanic contact at 152m downhole.

DESIGNED BY: J.M., A.M. DATE: November 1979

AIM OF HOLE:

To evaluate the cause of I.P. and geochemical anomalies associated with the Burns Peak Rhyolite and flanking sediments.

NOTES:

DDH NPP 213 was stopped short of its projected depth because both I.P. and soil geochemical anomalies have been adequately tested by the hole. DDH NPP 214 will be collared at 378610 mE, 5 387 300 mN to test a soil geochem anomaly at 378 648 mE and the sediment/volcanic contact.

5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: BULGOBAC E.L. 12/72 TAS.

SPECIFICATIONS AND SUMMARY OF RESULTS

EXPLORATION DIAMOND DRILL HOLE No. NPP 213

653146

SCALE: As shown	Survey: J.M.	Revised: 30.5.80
Reference:	Date: 26.11.79	REF. No.
Drawn: R.P.T.	Checked:	AI - 521 - 0042

80-1461

2846