APPROXIMATE POSITION OF ROSEBERY MINE LEASE

EL 1/62

EL 1/62

370 000mN

369 000 mN

368 000mN

367 000 mN

366 000 mN

365 000mN

364 000mN

363 000mN

362 000mN

Pb LEGEND

150	50 p.p.m.
500	100 p.p.m.
	200 p.p.m.
	500 p.p.m.
	1000 p.p.m.

	1	2
	3	4
	5	6
28	7	8
30	9	10
32	11	

5 cm

ELECTROLYTIC ZINC CO OF A'SIA LTD

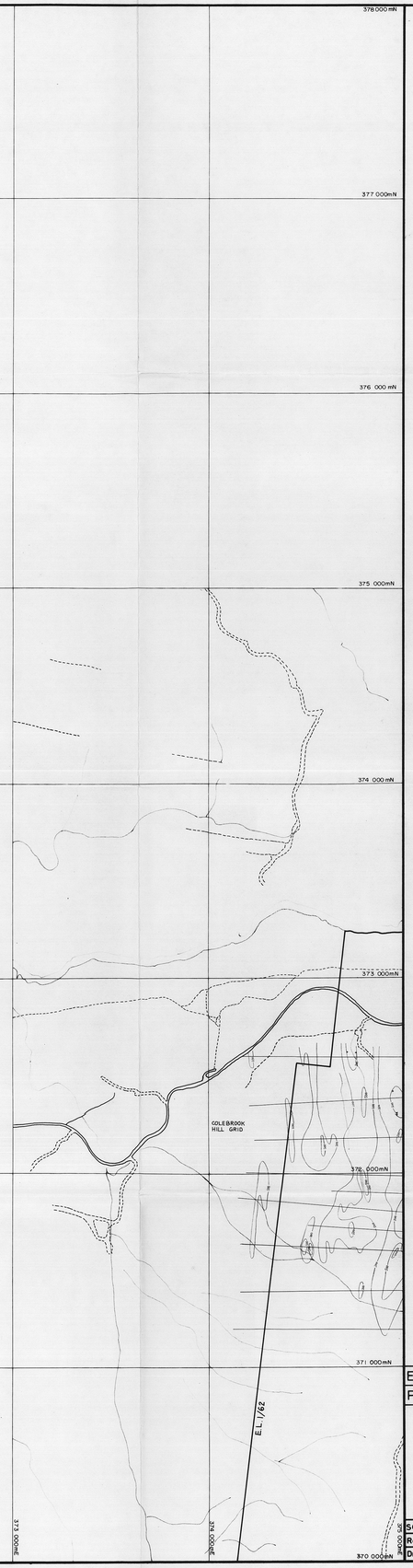
PROJECT: MT. BLACK | TAS

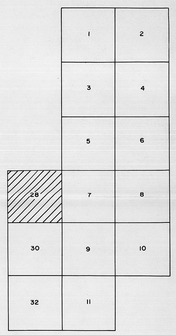
058877

SOIL GEOCHEMISTRY : Pb

SCALE 1 10 000	Survey I.M.	Revised 31. 7. 80
Reference	Date 21/11/79	REF. N.
Drawn R.P.T.	Checked	AO-525-0059

80-1468
Vol 7





5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA. LTD.

PROJECT: MT. BLACK | TAS

058878

SOIL GEOCHEMISTRY : Cu

SCALE: 1:10 000	Survey: I.R.M.	Revised:
Reference:	Date: 6.8.80	REF. NO.
Drawn: R.P.T.	Checked:	AO - 525 - 0128

80-1N 68

EZ PLAN CABINET TRIM LINE

A0 TRIM LINE

378 000 mN
377 000mN
376 000 mN
375 000mN
374 000 mN
373 000mN
372 000mN
371 000mN
370 000mN
368 000mE
369 000mE
370 000mE
371 000mE
372 000mE
373 000mE
374 000mE
375 000mE
376 000mE

COLEBROOK HILL GRID

E.L. 1/62

1	2
3	4
5	6
28	7
30	9
32	11
	8
	10

5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA. LTD.

PROJECT: MT. BLACK | TAS

058879

SOIL GEOCHEMISTRY : Pb

SCALE: 1:10 000	Survey: I.R.M.	Revised:
Reference:	Date: 6.8.80	REF. NO.
Drawn: R.P.T.	Checked:	AO - 525 - 0126

80-1468
Vol. 8.

E Z PLAN CABINET TRIM LINE

AO TRIM LINE

378 000 mN
377 000mN
376 000 mN
375 000mN
374 000 mN
373 000mN
372 000mN
371 000mN
370 000mN
365 000mE
366 000mE
367 000mE
368 000mE
369 000mE
370 000mE
371 000mE
372 000mE
373 000mE
374 000mE
375 000mE

COLEBROOK HILL GRID

E.L. 1/82

1	2
3	4
5	6
28	7
30	9
32	11

5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA. LTD.

PROJECT: MT. BLACK | TAS

058880

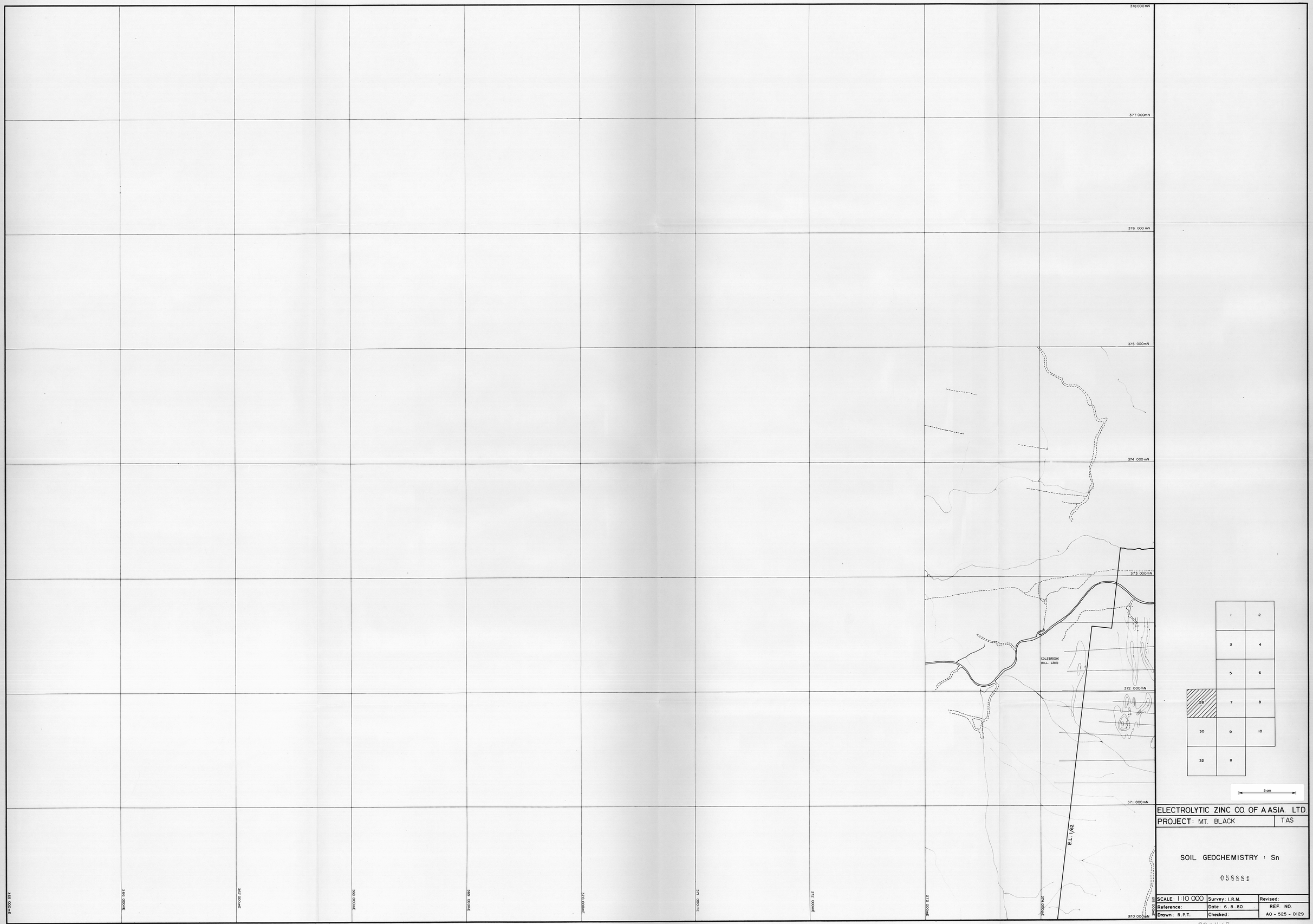
SOIL GEOCHEMISTRY : Zn

SCALE: 1:10 000	Survey: I.R.M.	Revised:
Reference:	Date: 6.8.80	REF. NO.
Drawn: R.P.T.	Checked:	A0 - 525 - 0127

80-1468 Vol. 8

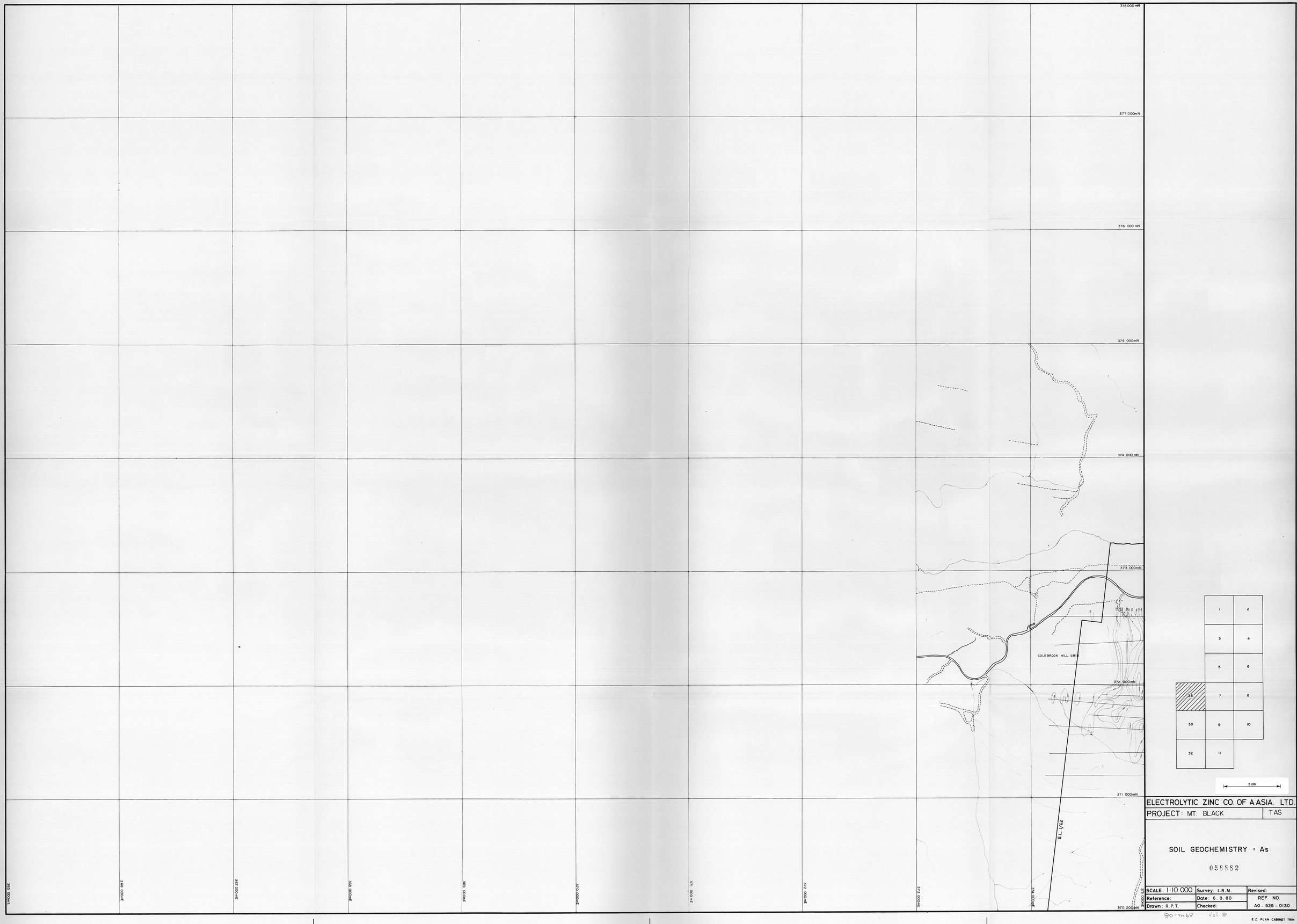
EZ PLAN CABINET TRIM LINE

A0 TRIM LINE



80-1468
Vol. 8

E.Z PLAN CABINET TRIM LINE



5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA. LTD.

PROJECT: MT. BLACK | TAS

SOIL GEOCHEMISTRY : As

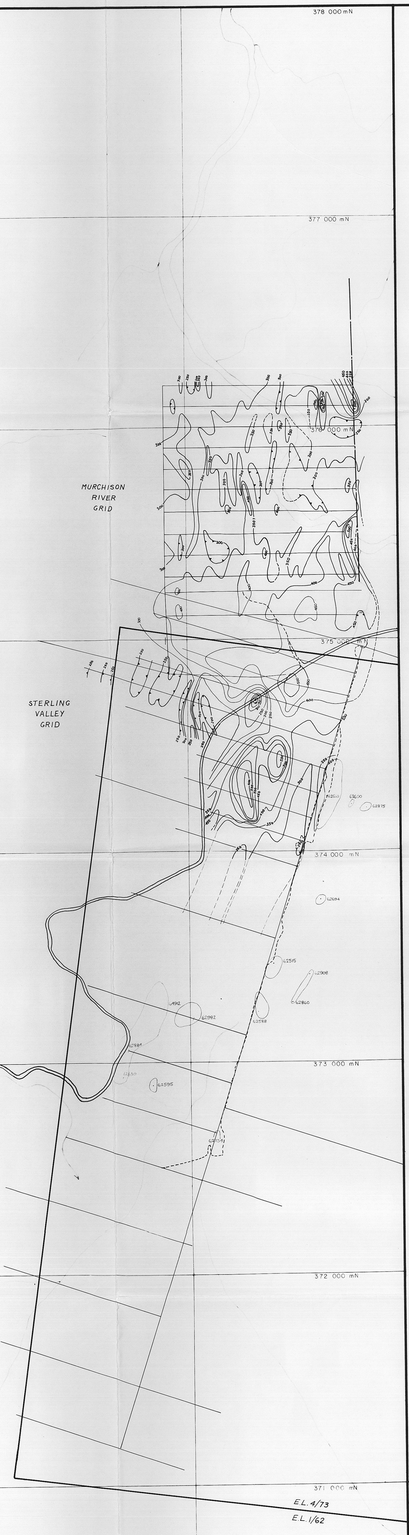
055882

SCALE: 1:10 000	Survey: I.R.M.	Revised:
Reference:	Date: 6.8.80	REF. NO.
Drawn: R.P.T.	Checked:	A0 - 525 - 0130

90-1768 Vol 8

E.Z. PLAN CABINET TRIM LINE

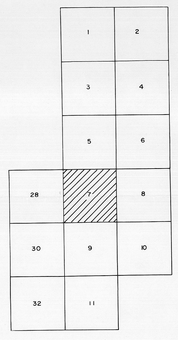




NOTES:

1. Add 62,000 to all values to obtain reading in gammas.
2. Murchison River Grid and Sterling Valley Grid were surveyed in January/February 1980.

Anomaly >62,500 from Abminco Report (Data 1976, 1978)



5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA. LTD.

PROJECT: MT. BLACK — TAS

GROUND MAGNETICS

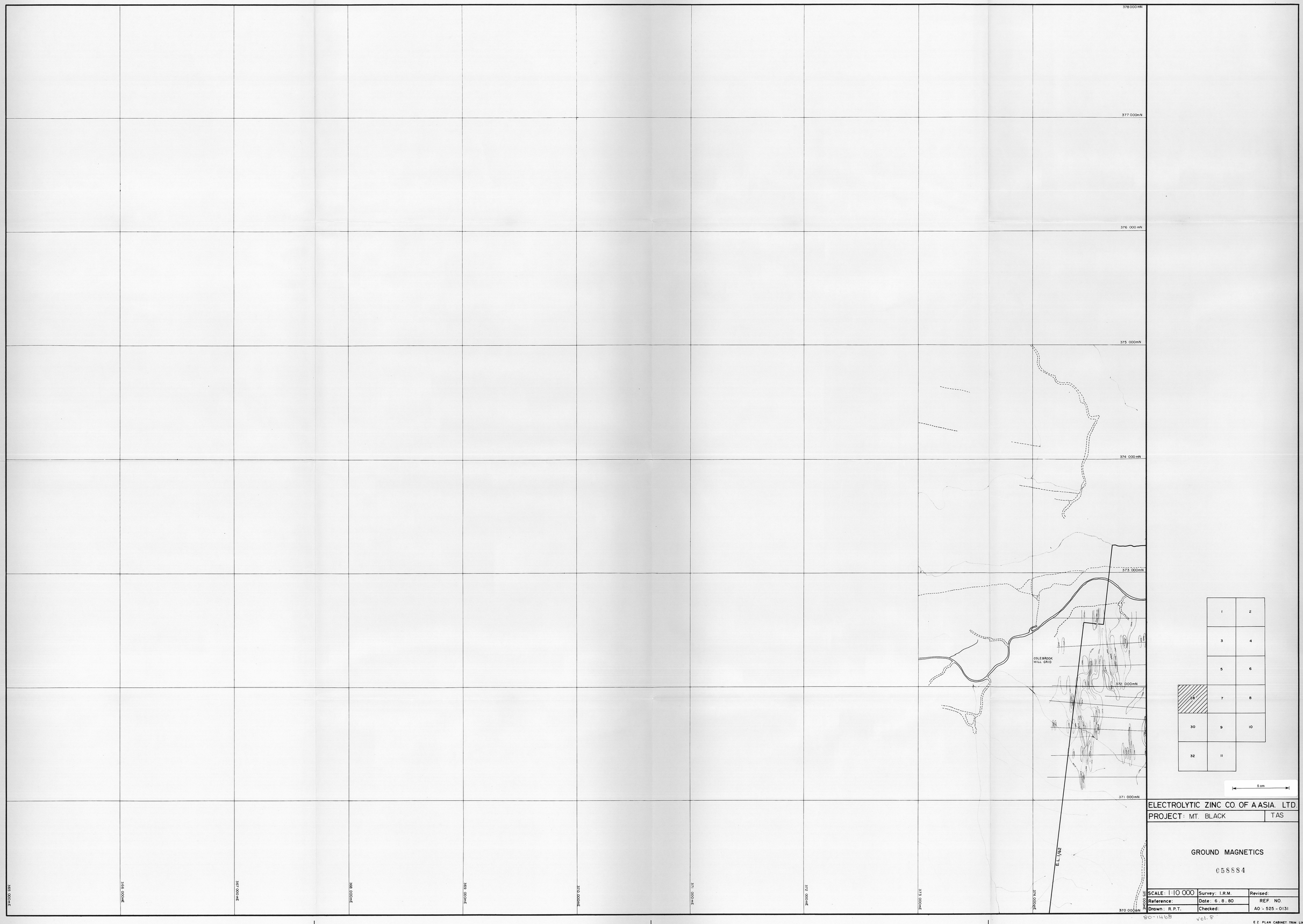
055883

SCALE: 1:10,000	Survey: I.McD.	Revised: 7.5.80
Reference:	Date: 13.2.80	REF. NO.
Drawn: R.P.T.	Checked:	AO-525-0072

SO-11468 Vol 8

E Z PLAN CABINET TRIM LINE

AO TRIM LINE



ELECTROLYTIC ZINC CO. OF A'ASIA. LTD.

PROJECT: MT. BLACK | TAS

GROUND MAGNETICS

058884

SCALE: 1:10 000	Survey: I.R.M.	Revised:
Reference:	Date: 6.8.80	REF. NO.
Drawn: R.P.T.	Checked:	A0 - 525 - 0131

80-1468
vol. 5

EZ PLAN CABINET TRIM LINE

E.L. 1/62

(approx. position)

APPROXIMATE POSITION OF ROSEBERY MINE LEASE

E.L. 4/73

E.L. 4/76

378 000 mN
377 000 mN
376 000 mN
375 000 mN
374 000 mN
373 000 mN
372 000 mN
371 000 mN

375 000 mE
376 000 mE
377 000 mE
378 000 mE
379 000 mE
380 000 mE
381 000 mE
382 000 mE
383 000 mE
384 000 mE

LEGEND

Pb, Zn
Cu, Co
Mn, Fe

NOTE: For analytical method refer to "GEOCHEMICAL EXPLORATION FOR BASE METALS, WEST COAST TASMANIA"
N.J. MARSHALL, APRIL 1979

1	2
3	4
5	6
28	7 8
30	9 10
32	11

ELECTROLYTIC ZINC CO. OF A'ASIA. LTD.

PROJECT: MT. BLACK | TAS

058885

STREAM SEDIMENT GEOCHEMISTRY

-80#

Pb

5 cm

SCALE: 1:10,000	Survey:	Revised: 28.4.80
Reference:	Date: AUGUST '79	REF. NO
Drawn: MB	Checked:	A0 - 525 - 0049

80-1468 Vol 8

E.Z PLAN CABINET TRIM LINE

A0 TRIM LINE

E.L. 1/62

(approx. position)

APPROXIMATE POSITION OF ROSEBERY MINE LEASE

E.L. 4/73

E.L. 4/68

378 000 mN

377 000 mN

376 000 mN

375 000 mN

374 000 mN

373 000 mN

372 000 mN

371 000 mN

375 000 mE

376 000 mE

377 000 mE

378 000 mE

379 000 mE

380 000 mE

381 000 mE

382 000 mE

383 000 mE

384 000 mE

385 000 mE

LEGEND

Pb, Zn
Cu, Co
Mn, Fe

NOTE: For analytical method refer to "GEOCHEMICAL EXPLORATION FOR BASE METALS, WEST COAST TASMANIA"
N. J. MARSHALL, APRIL 1979

1	2		
3	4		
5	6		
28		8	
30	9	10	
32	11		

ELECTROLYTIC ZINC CO. OF A'ASIA. LTD

PROJECT: MT. BLACK | TAS

058886

STREAM SEDIMENT GEOCHEMISTRY

-80#

Zn

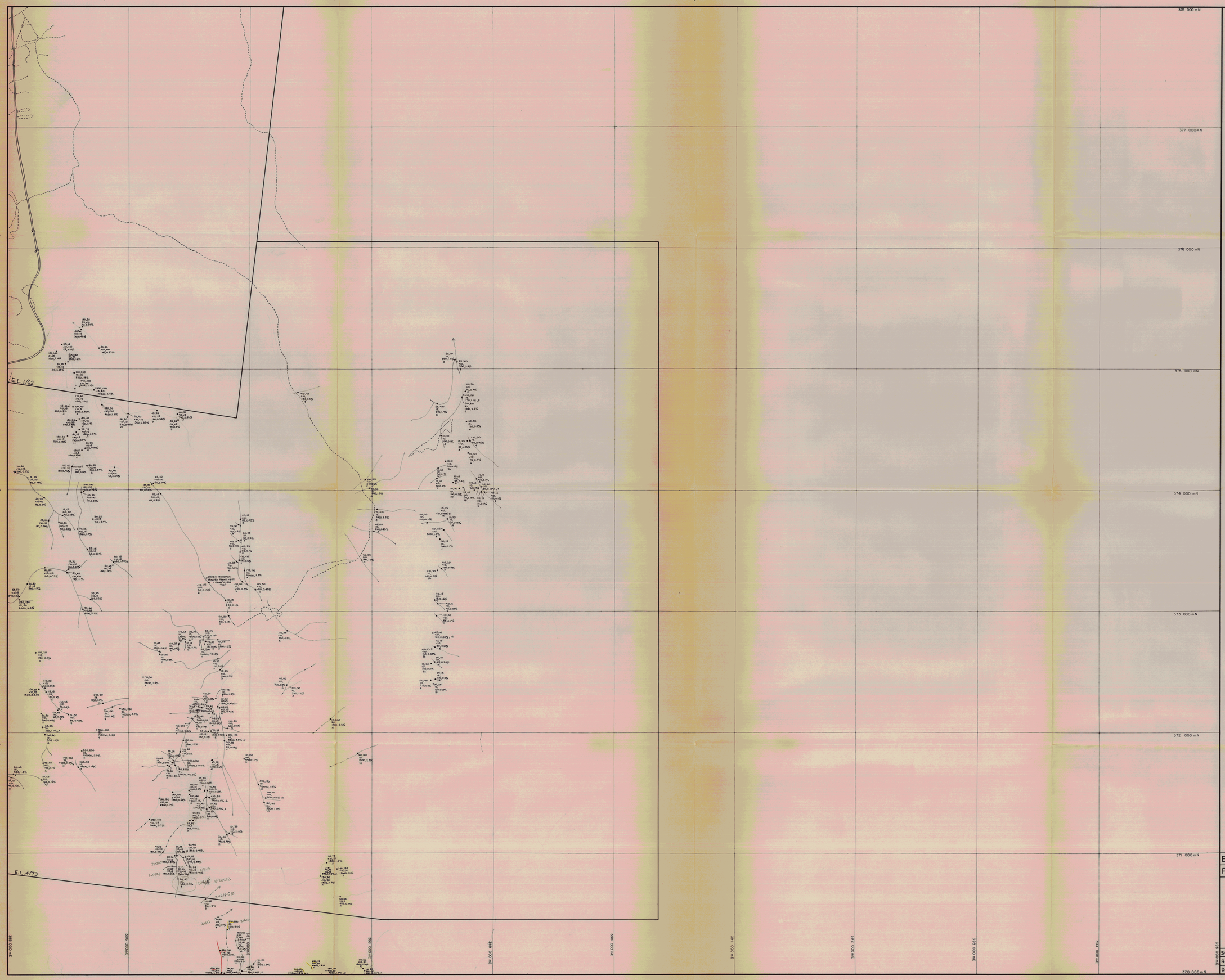
5 cm

SCALE: 1:10,000	Survey:	Revised: 28.4.80
Reference:	Date: AUGUST '79	REF. NO.
Drawn: MB	Checked:	A0 - 525 - 0049

80-1468
Vol. 3

E Z PLAN CABINET TRIM LINE

A0 TRIM LINE



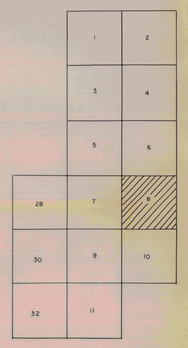
LEGEND

Pb, Zn
Cu, Co
Mn, Fe
Sn

Samples were dried and sieved to -80 mesh. Base metals were analysed by A.A.S. after digestion in nitric/perchloric acid. Sn was analysed by A.A.S. after fusion with ammonium iodide.

> 300 ppm Pb is highly anomalous
200 - 300 ppm Pb is weakly anomalous

> 300 ppm Zn is highly anomalous
200 - 300 ppm Zn is weakly anomalous



5 cm

ELECTROLYTIC ZINC CO. OF A ASIA. LTD.

PROJECT: MT. BLACK | TAS

058887

GEOCHEMISTRY

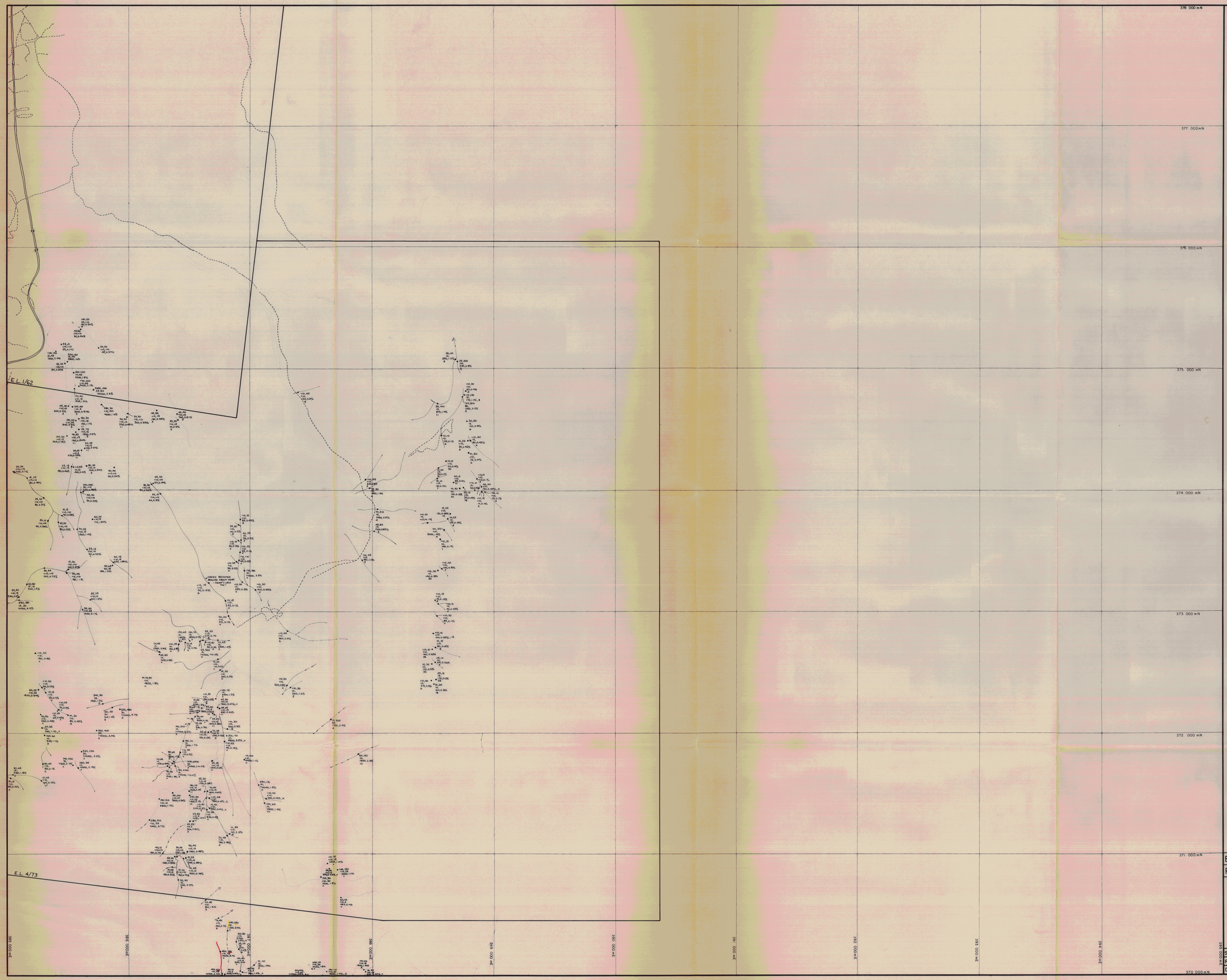
Stream Sediment Samples -80#

Pb

SCALE: 1:10 000	Survey: I.McD.	Revised: 1.8.80
Reference:	Date: 18.3.80	REF. NO.
Drawn: R.P.T.	Checked:	A0-525-0091

80-1468 Vol. 8

E Z PLAN CABINET TRIM LINE



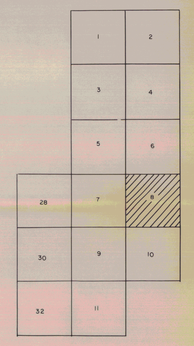
LEGEND

Pb, Zn
Cu, Co
Mn, Fe
Sn

Samples were dried and sieved to -80 mesh. Base metals were analysed by A.A.S. after digestion in nitric/perchloric acid. Sn was analysed by A.A.S. after fusion with ammonium iodide.

>300 ppm Pb is highly anomalous
200 - 300 ppm Pb is weakly anomalous

>300 ppm Zn is highly anomalous
200 - 300 ppm Zn is weakly anomalous



5 cm

ELECTROLYTIC ZINC CO. OF A ASIA. LTD.

PROJECT: MT. BLACK | TAS

058888

GEOCHEMISTRY

Stream Sediment Samples -80#

Zn

SCALE: 1:10 000	Survey: I.McD.	Revised: 1.8.80
Reference:	Date: 18.3.80	REF. NO.
Drawn: R.P.T.	Checked:	AO-525-0091

80-1468
Vol. 8

E Z PLAN CABINET TRIM LINE

E.L. 1/62

370 000 mN
369 000 mN
368 000 mN
367 000 mN
366 000 mN
365 000 mN
364 000 mN
363 000mN
362 000mN

385 000mE
386 000 mE
387 000 mE
388 000 mE
389 000mE
390 000mE
391 000 mE
392 000 mE
393 000mE
394 000mE
395 000mE

LEGEND

Pb, Zn
Cu, Co
Mn, Fe
Sn

Samples were dried and sieved to -80 mesh. Base metals were analysed by A.A.S. after digestion in nitric/perchloric acid. Sn was analysed by A.A.S. after fusion with ammonium iodide.

- > 300 ppm Pb is highly anomalous
- 200 - 300 ppm Pb is weakly anomalous

> 300 ppm Zn is highly anomalous
200 - 300 ppm Zn is weakly anomalous

28	7	8	
30	9	10	
30	11		

5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA. LTD.

PROJECT: MT. BLACK | TAS.

058889

GEOCHEMISTRY

Stream Sediment Samples -80#

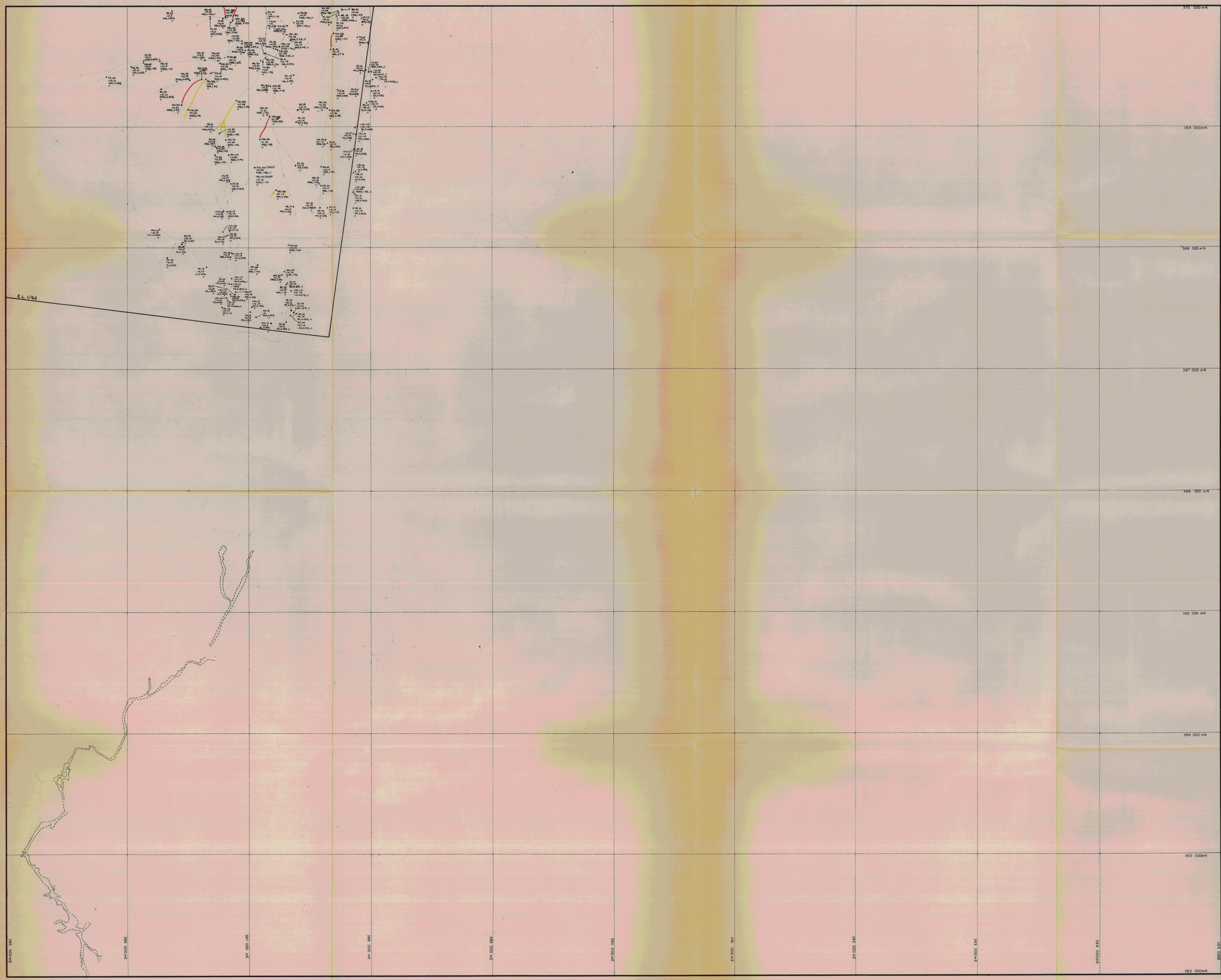
Pb

SCALE: 1:10 000	Survey: I. McD.	Revised: 9.5.80
Reference:	Date: 18.3.80	REF. NO.
Drawn: R.P.T.	Checked:	AO - 525 - 0089

80-1468
V01-8

E Z PLAN CABINET TRIM LINE

AO TRIM LINE



LEGEND

Pb, Zn
Cu, Co
Mn, Fe
Sn

Samples were dried and sieved to -80 mesh. Base metals were analysed by A.A.S. after digestion in nitric/perchloric acid. Sn was analysed by A.A.S. after fusion with ammonium iodide.

> 300 ppm Pb is highly anomalous
200 - 300 ppm Pb is weakly anomalous

> 300 ppm Zn is highly anomalous
200 - 300 ppm Zn is weakly anomalous



5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA. LTD.

PROJECT: MT BLACK | TAS.

058890

GEOCHEMISTRY

Stream Sediment Samples - 80#

Zn

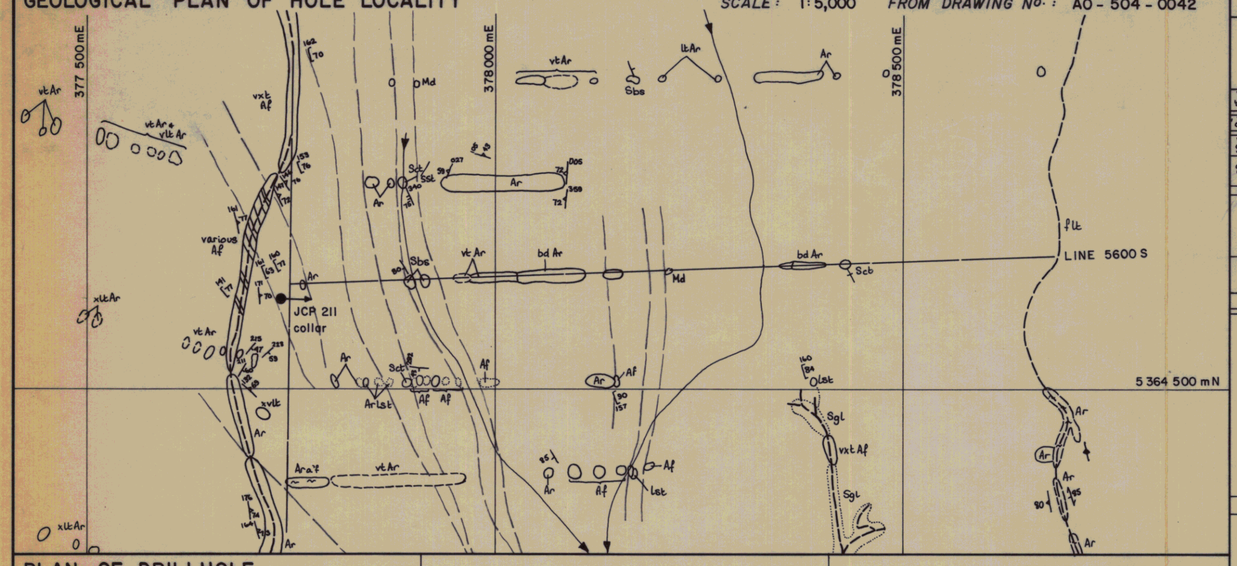
SCALE: 1:10 000	Survey: I. McD.	Revised: 9.5.80
Reference:	Date: 18.3.80	REF. NO.
Drawn: R.P.T.	Checked:	AO - 525 - 0089

80-1468
Vol. 8

E Z PLAN CABINET TRIM LINE

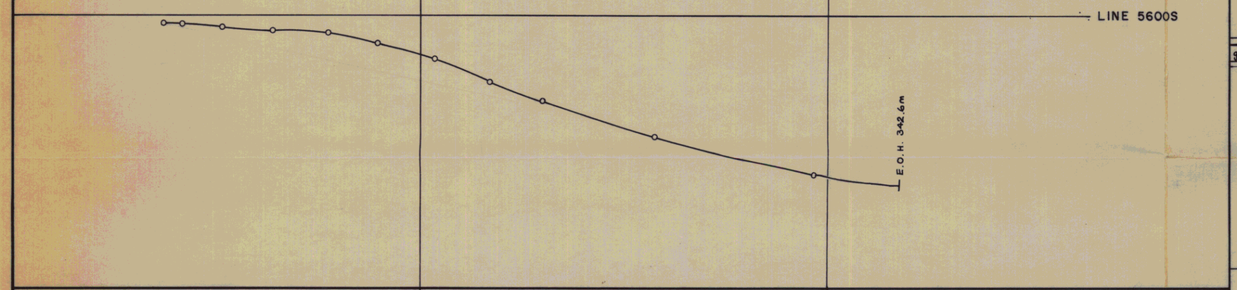
GEOLOGICAL PLAN OF HOLE LOCALITY

SCALE: 1:5,000 FROM DRAWING NO.: A0-504-0042



PLAN OF DRILLHOLE

SCALE: 1:1,000

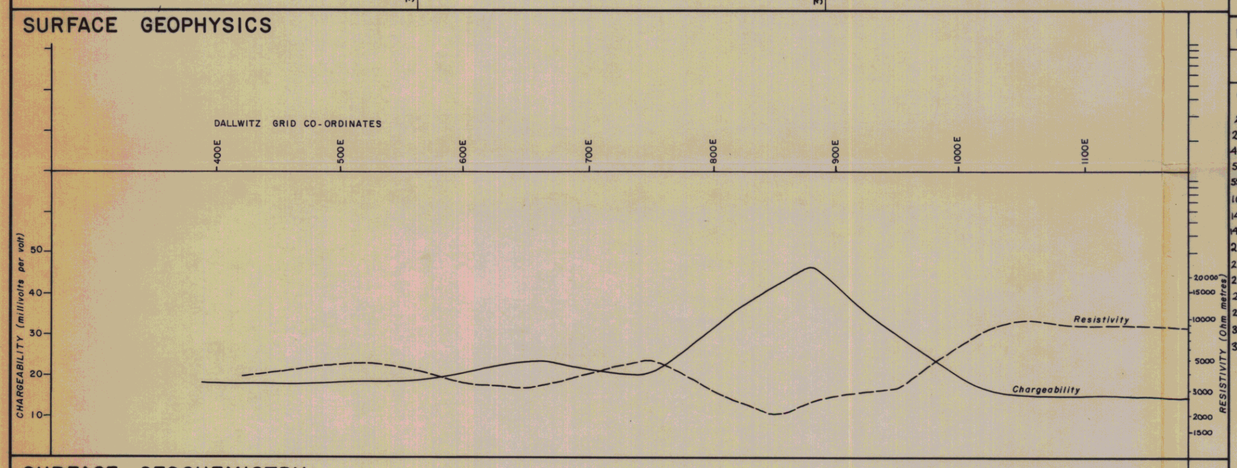


DRILLHOLE CROSS SECTION

ON GRID LINE 5600 S SCALE: 1:1,000



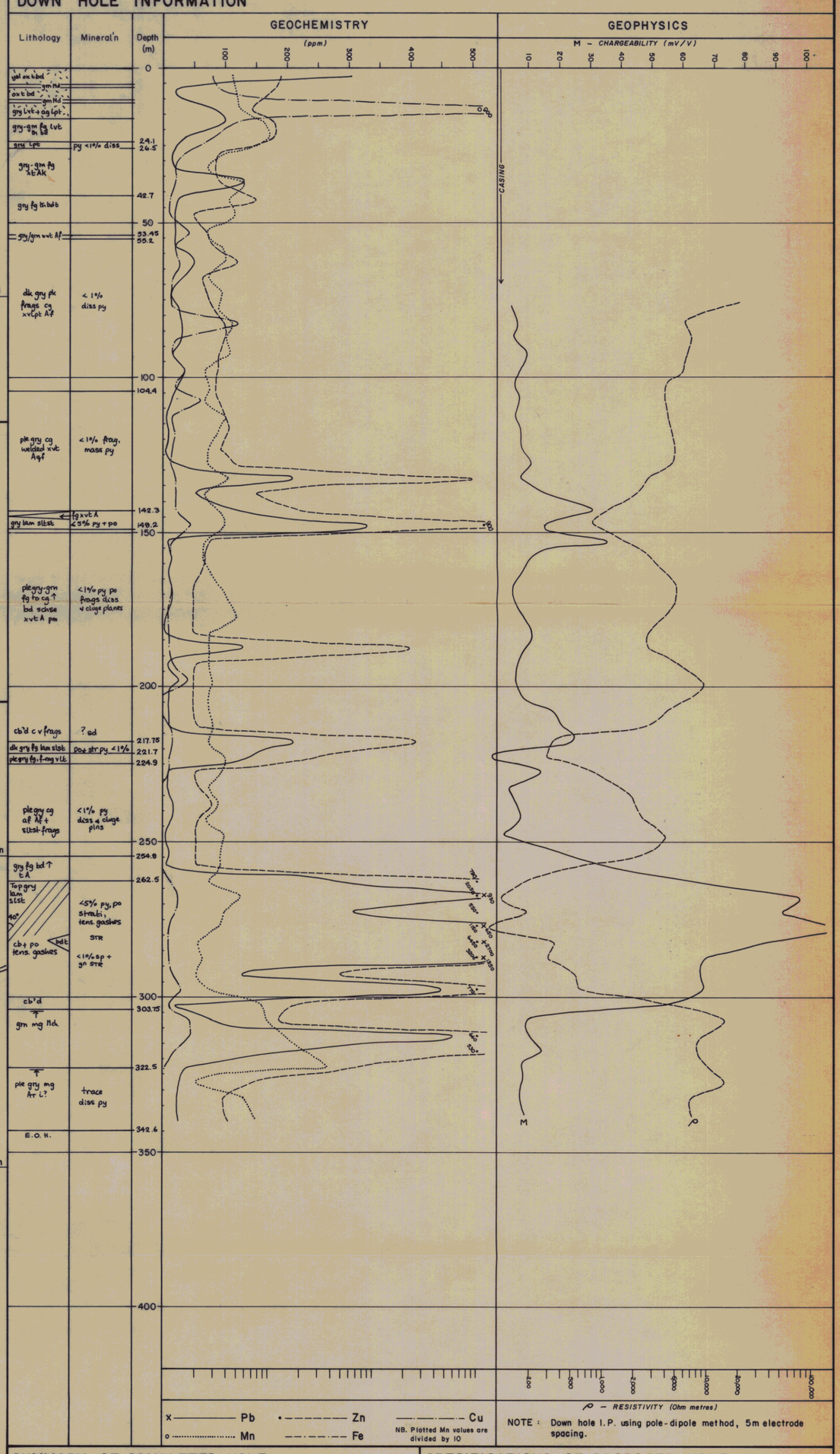
SURFACE GEOPHYSICS



SURFACE GEOCHEMISTRY



DOWN HOLE INFORMATION



NOTE: Down hole I.P. using pole-dipole method, 5m electrode spacing.

SUMMARY OF COMPLETED HOLE

CO-ORDINATES	NORTHING	EASTING	R.L.
LOCAL GRID A.M.G.	5,364,611	377,738	911 m

AZIMUTH: 92.5° A.M.G. DIP: -70° TOTAL DEPTH: 342.6 m

COMMENCEMENT DATE: 26.7.79 COMPLETION DATE: 20.8.79

INTERNAL SURVEY INFORMATION

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
30 m	92.0° A.M.G.	-71.25°	328.6 m	108.0° A.M.G.	-34.75°
60 m	94.5°	-70.75°	342.6 m E.O.H.		
101 m	94.5°	-70.0°			
137 m	100.5°	-68.0°			
167 m	105.0°	-62.0°			
200 m	113.0°	-56.5°			
221 m	110.5°	-51.0°			
242 m	107.5°	-48.0°			
299 m	103.0°	-36.0°			

HOLE SIZE	FROM	TO	HOLE SIZE	FROM	TO
NQ	0	71.2			
BQ	71.2	342.6			

DRILLED GEOLOGY (SUMMARISED)

DEPTH	LITHOLOGY	MINERALISATION AND SIGNIFICANT ASSAYS
0 - 24.1m	Oxidised and fresh fine grained, reworked tuff with lapilli tuff bands.	Trace dissem. pyrite
24.1 - 26.5	Coarse lapilli tuff.	
26.5 - 42.7	Grey-green fg felsic crystal tuff.	
42.7 - 53.45	Reworked tuff.	
53.45 - 55.2	Fg crystal vitric tuff.	
55.2 - 104.4	Lapilli tuff.	<1% pyrite
104.4 - 142.3	Welded tuff.	Frags massive pyrite <1%
143.2 - 148.2	Grey siltstone and tuff bands	Pyrite and pyrrhotite <5%
148.2 - 217.75	Bedded schistose crystal vitric lithic tuff.	Dissem and clvge plane pyrite <1%
217.75 - 221.7	Fg ashfall.	Pyrite and pyrrhotite <1%
221.7 - 224.9	Reworked tuff.	
224.9 - 254.8	Felsic ash flow.	Dissem and clvge plane pyrite <1%
254.8 - 262.5	Reworked tuff.	
262.5 - 303.75	Mineralised siltstone.	Py and po <5%, sp and gn <1%
303.75 - 322.5	Dolerite intrusive.	
322.5 - 342.6	Rhyolitic? intrusive.	Trace dissem. py.

LOGGED BY: J.H.A.M., A.J.M., G.D.I. DATE: 24.9.79

SAMPLE DATA

SAMPLED INTERVAL	SAMPLE NUMBERS	SAMPLE TYPE	ELEMENTS DETERMINED	LAB. METHOD
5m	28301 - 28367	CHIP	Pb, Zn, Cu, Ag, Mn	AAS
7.6m	28368	CHIP	Pb, Zn, Cu, Ag, Mn	AAS
AT 31.0m	28369	CORE ROCK SAMPLES	THIN SECTION	
71.8m	28370			
122.9m	28371			
185.3m	28372			
218.7m	28373			
230.3m	28374			
287.0m	28375			
325.0m	28376			
303.75m	28378			

NOTES:

SPECIFICATIONS OF PROPOSED HOLE

CO-ORDINATES	NORTHING	EASTING	R.L.
LOCAL GRID (DALLWITZ) A.M.G.	5600 N	370 E	920 m

AZIMUTH: 75.0° A.M.G. DIP: -65° DESIGNED DEPTH: 300 m

ESTIMATED COMMENCEMENT: JULY 1979

ANTICIPATED GEOLOGY

DEPTH	LITHOLOGY	NATURE OF TARGET AND ANTICIPATED DEPTH
0 - 198m	Massive rhyolitic ash flow pyroclastics and minor chloritic tuffaceous sediments.	The hole is designed to intersect suspected base metal mineralisation associated with black shales.
198 - 210m	Black shale.	The target depth is 65.0m below surface and 198 - 210m down hole.
210 - 300m	Rhyolitic crystal vitric tuff and banded rhyolite	

DESIGNED BY: R.E.W. DATE: JULY 1979

AIM OF HOLE:

To test co-incident gradient array I.P. and soil geochemical anomalies.

NOTES:

058891

5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: MT. BLACK E.L. 1/62 TAS.

SPECIFICATIONS AND SUMMARY OF RESULTS

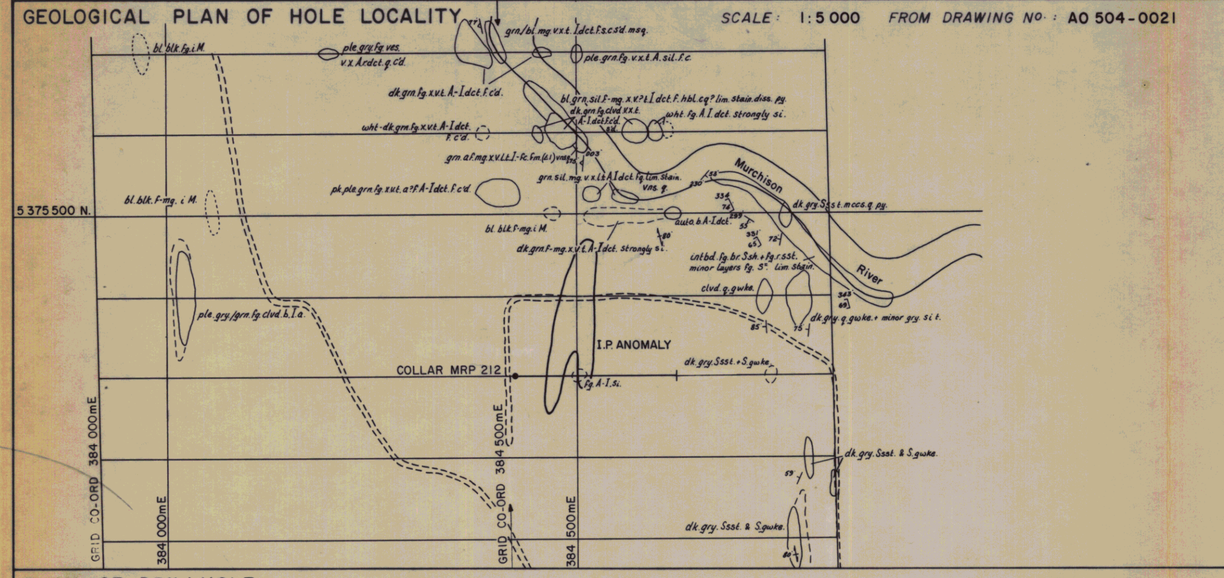
EXPLORATION DIAMOND DRILL HOLE No. JCP 211

SCALE: As shown	Survey: J.M., G.I., A.M.	Revised: 27.11.79
Reference:	Date: 27.9.79	REF. No.
Drawn: R.P.T.	Checked:	AI - 507 - 0034

80-1468
V01.8

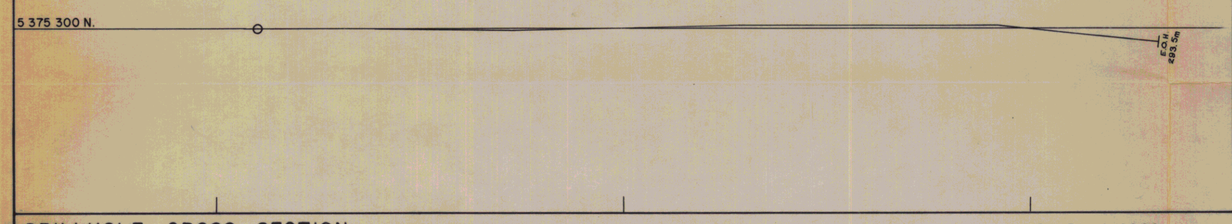
GEOLOGICAL PLAN OF HOLE LOCALITY

SCALE: 1:5 000 FROM DRAWING NO.: A0 504-0021



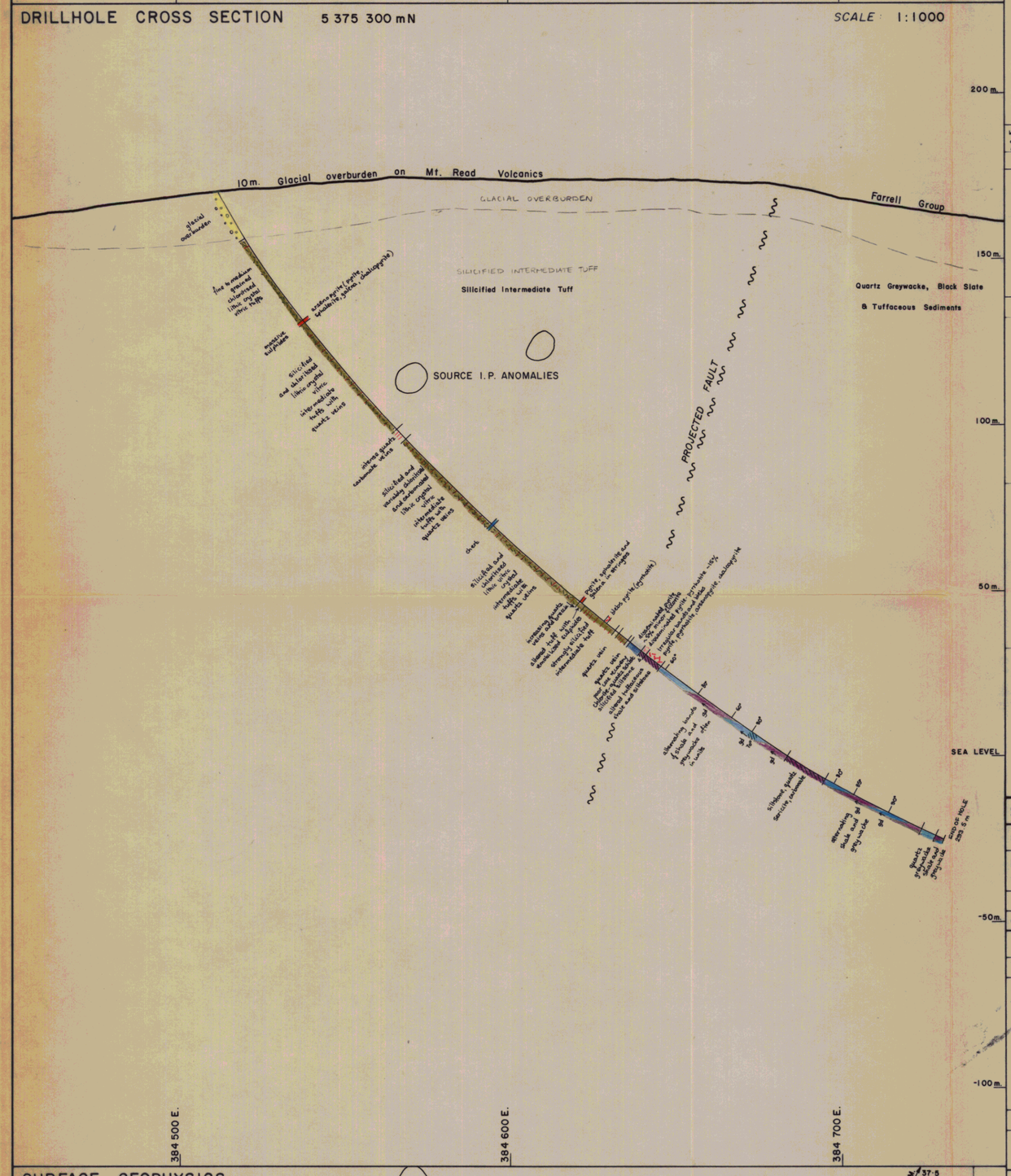
PLAN OF DRILLHOLE

SCALE: 1:1000

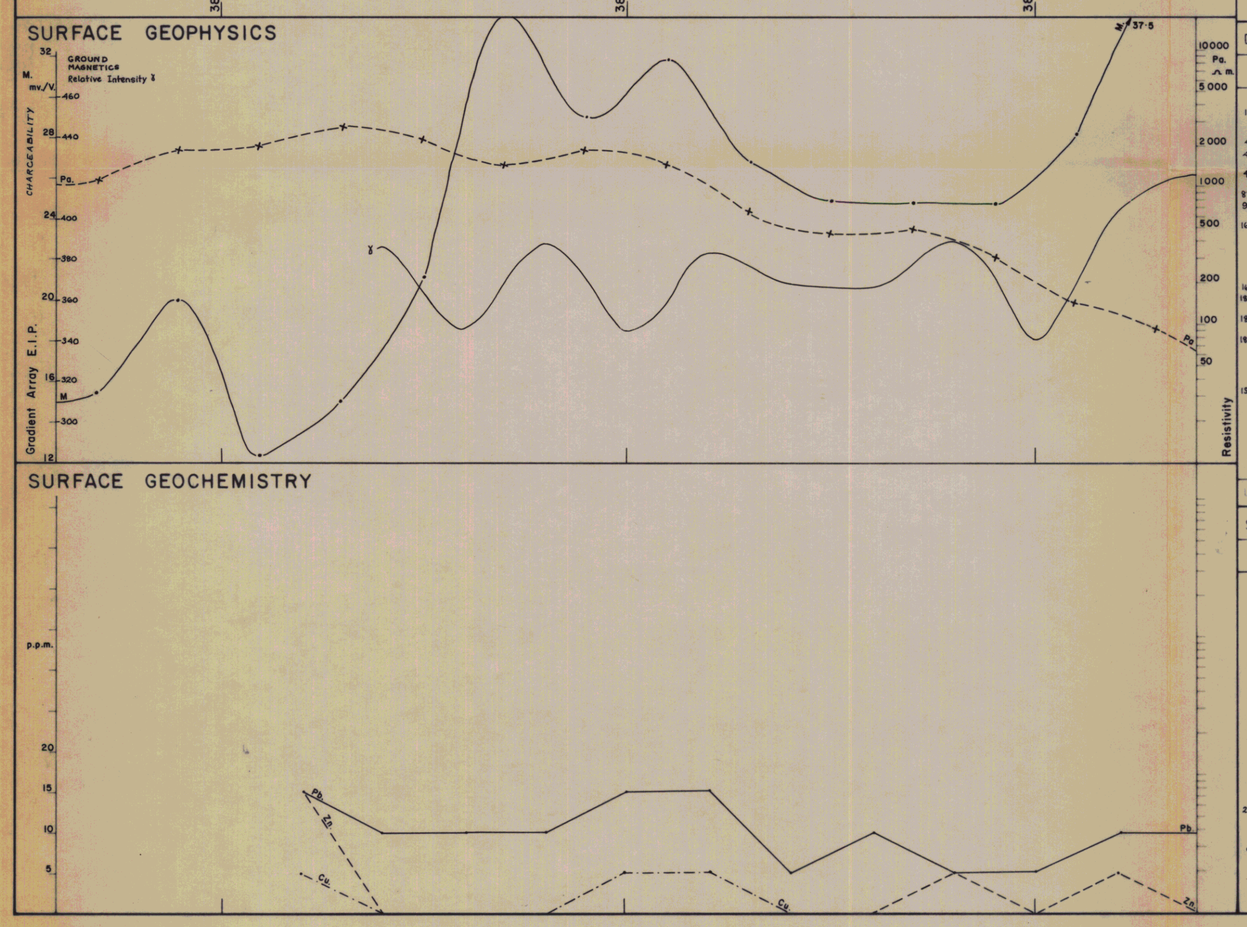


DRILLHOLE CROSS SECTION 5 375 300 mN

SCALE: 1:1000

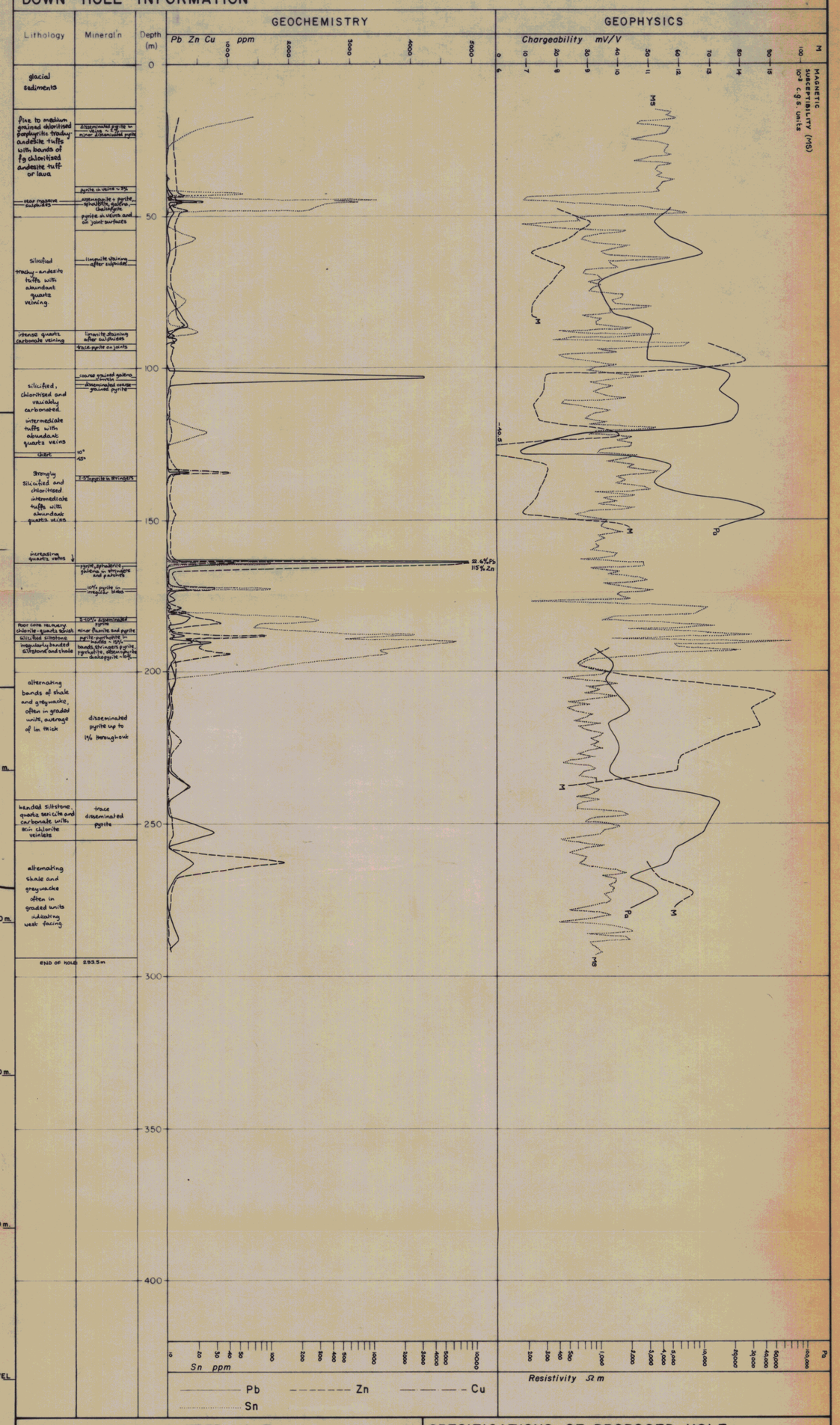


SURFACE GEOPHYSICS



SURFACE GEOCHEMISTRY

DOWN HOLE INFORMATION



SUMMARY OF COMPLETED HOLE

CO-ORDINATES	NORTHING	EASTING	R.L.
LOCAL GRID	5375 300mN	384 510 mE	171m
A.M.G. (as surveyed G.W.)	5375 330.6mN	384 424.4 mE	

AZIMUTH 90° A.M.G. DIP -60° TOTAL DEPTH 293.5 m

COMMENCEMENT DATE 12.11.79 COMPLETION DATE 19.12.79

INTERNAL SURVEY INFORMATION

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
0 m	90° A.M.G.	-60°			
49	90.5°	-54.5°			
143	89°	-43°			
200.5	90°	-37°			
293.5	96°	-25°			

HOLE SIZE	FROM	TO	HOLE SIZE	FROM	TO
HQ	0	15 m	BQ	49	293.5 m
NQ	15	49			

DRILLED GEOLOGY (SUMMARISED)

DEPTH	LITHOLOGY	MINERALISATION AND SIGNIFICANT ASSAYS
0 - 14.4 m	Glacial sediments	
14.4 - 45 m	F-mg porphyritic stg chloritised trachy-andesite tuffs interbedded with fg bands of chloritised tuff or possible lava of trachy-andesite composition.	Weak dissem py associated with q-q-cb vns.
45 - 45.5 m	Minor massive cg asp and minor py, sp, gn, cpy	
45.5 - 47.6 m	Silicified trachy-andesite tuff with a stockwork of q-cb vns.	Py decreasing downwards from 3% to < 1%
47.6 - 87.35 m	Silicified trachy-andesite tuffs with abundant q-cb veining	
87.35 - 91.6 m	Intense q and q-cb veining	Stg lm sb. after suls.
91.6 - 163.7 m	Variably silicified and chloritised trachy-andesite tuffs with abundant qtz veining	Dissem py in veins and on joint surfaces. Py 10-15% + Sp gn 30% Pb 2.6% Zn 15.0% Cu 0.12% Ag 57.5 ppm Au 1.55 ppm Sn 104 ppm
163.7 - 164.0 m	Fg chloritised silicified and carbonatised ? trachytic tuff ?	
164.0 - 182.4 m	Stgly silicified and qtz veined trachytic tuff	5-10% dissem py.
182.4 - 186.2 m	Chl-qtz schist - stg sheared with poor core recovery	
186.2 - 187.5 m	Silicified chloritic sheared and brecciated volcanogenic siltstone ?	5-10% dissem py.
187.5 - 194.4 m	Silicified and qtz veined siltstone and shale with irregular banding and local breccia.	10% py, Po, (cpy, asp) in contorted bands and blebs. 187.5 - 194.4 Ag 6.3 ppm Sn 0.27% incl. 189.2 - 191.2 Sn 0.55%
194.4 - 293.5	Alternating shales and greywackes with minor siltstone.	Traces of dissem py throughout.

LOGGED BY: I. McD. DATE

SAMPLE DATA

SAMPLED INTERVAL	SAMPLE NUMBERS	SAMPLE TYPE	ELEMENTS DETERMINED	LAB. METHOD
15.0 - 43.3m	31905 - 31910	CHIP	Cu, Pb, Zn, Ag, Fe, Mn, Sn	A.A.S.
43.3 - 46.85 m	31911 - 31918	SPLIT	Cu, Pb, Zn, Ag, Au, Fe, Mn, Sn	A.A.S.
46.85 - 49.1 m	31919	CHIP		
49.1 - 49.8 m	31920	SPLIT		
49.8 - 87.3 m	31921 - 31928	CHIP		
87.3 - 93.7 m	31985 - 31992	SPLIT		
93.7 - 102.9 m	31929 - 31930	CHIP		
102.9 - 103.4 m	31994	SPLIT		
103.4 - 134.3 m	31931 - 31937	CHIP		
134.3 - 135.3 m	31995 - 31996	SPLIT		
135.2 - 163.4 m	31938 - 31943	CHIP		
163.4 - 164.5 m	31997 - 31999	SPLIT		
164.5 - 172.1 m	31944 - 31945	CHIP		
172.1 - 173.25 m	32000 - 33002	SPLIT		
173.25 - 176.2 m	31946	CHIP		
176.2 - 181.5 m	33003 - 33009	SPLIT		
181.5 - 184.4 m	31973 - 31984	"		
184.4 - 293.0 m	31947 - 31966	CHIP		
44.75 - 46.95 m	31914 - 31918	SPLIT	Sn	X.R.F.
186.2 - 194.4 m	31977 - 31984	"	"	FUSION X.R.F.
215, 41.2, 133.4 m 45.4 m	29705, -06, -08 29707		THIN SECTION POLISHED SECTION	
at 187.0 m	29732		THIN SECTION	
189.6 m	29733		"	
190.9 m	29734		THIN POLISHED SECTION	
226.5 m	29735		THIN SECTION	

SPECIFICATIONS OF PROPOSED HOLE

CO-ORDINATES	NORTHING	EASTING	R.L.
LOCAL GRID	5375 300mN	384 510mE	171m
A.M.G.			

AZIMUTH GRID EAST DIP 60° DESIGNED DEPTH < 320m.

ESTIMATED COMMENCEMENT: MID-LATE OCTOBER 1979

ANTICIPATED GEOLOGY

DEPTH	LITHOLOGY	NATURE OF TARGET AND ANTICIPATED DEPTH
0 - 10 m.	Glacial overburden	Discontinuous massive or disseminated sulphides at 90-120m and 150-190 m.
10 - 290m.	MT. Reid Volcanics, including tuffs, ash falls, reworked tuffs, pyritic shales and perhaps rhyolite flows, along strike of stong silicic altered rocks.	
290-	Farrell Group Sediments	

DESIGNED BY G. D. I. DATE 12 / 10 / 1979

AIM OF HOLE:

To test an E.I.P. anomaly which shows strong peaks on two lines over Mt. Read Volcanics obscured by glacial overburden.

NOTES:

The discrete E.I.P. anomaly lies approximately 100m. West of the strongly chargeable Farrell Group black shales, siltstones and greywackes.

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

5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: MT. BLACK E.L.1/62 TAS.

SPECIFICATIONS AND SUMMARY OF RESULTS

EXPLORATION DIAMOND DRILL HOLE No. M.R.P. 212

058892

SCALE: As shown	Survey:	Revised: 10.6.80
Reference:	Date: 25/10/1979	REF. No.
Drawn: G.D.I./R.A.H.	Checked:	AI 504-0083

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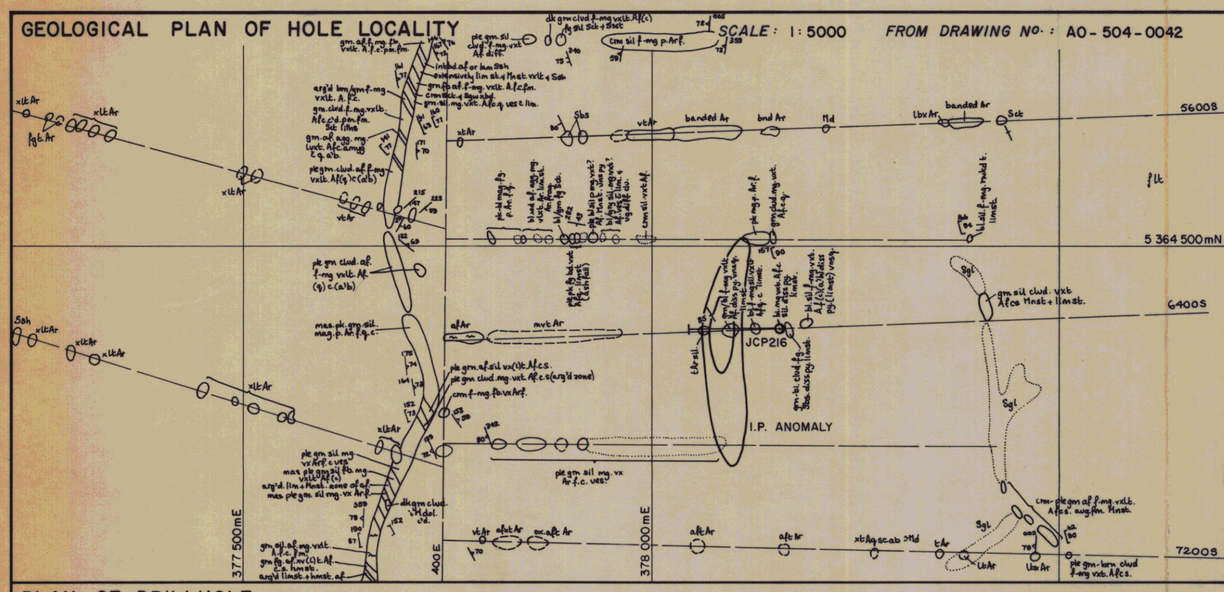
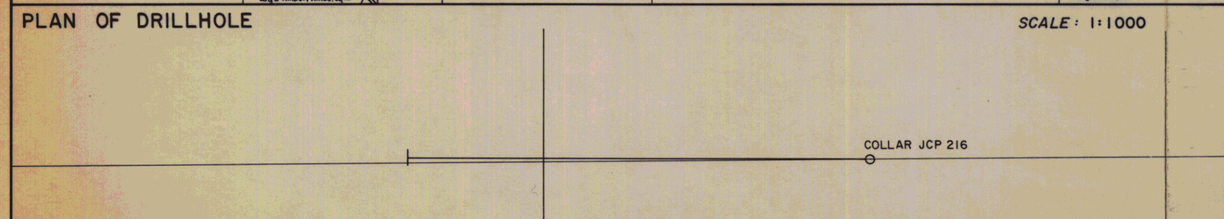
GEOLOGICAL PLAN OF HOLE LOCALITY

SCALE: 1:5000 FROM DRAWING NO.: A0-504-0042



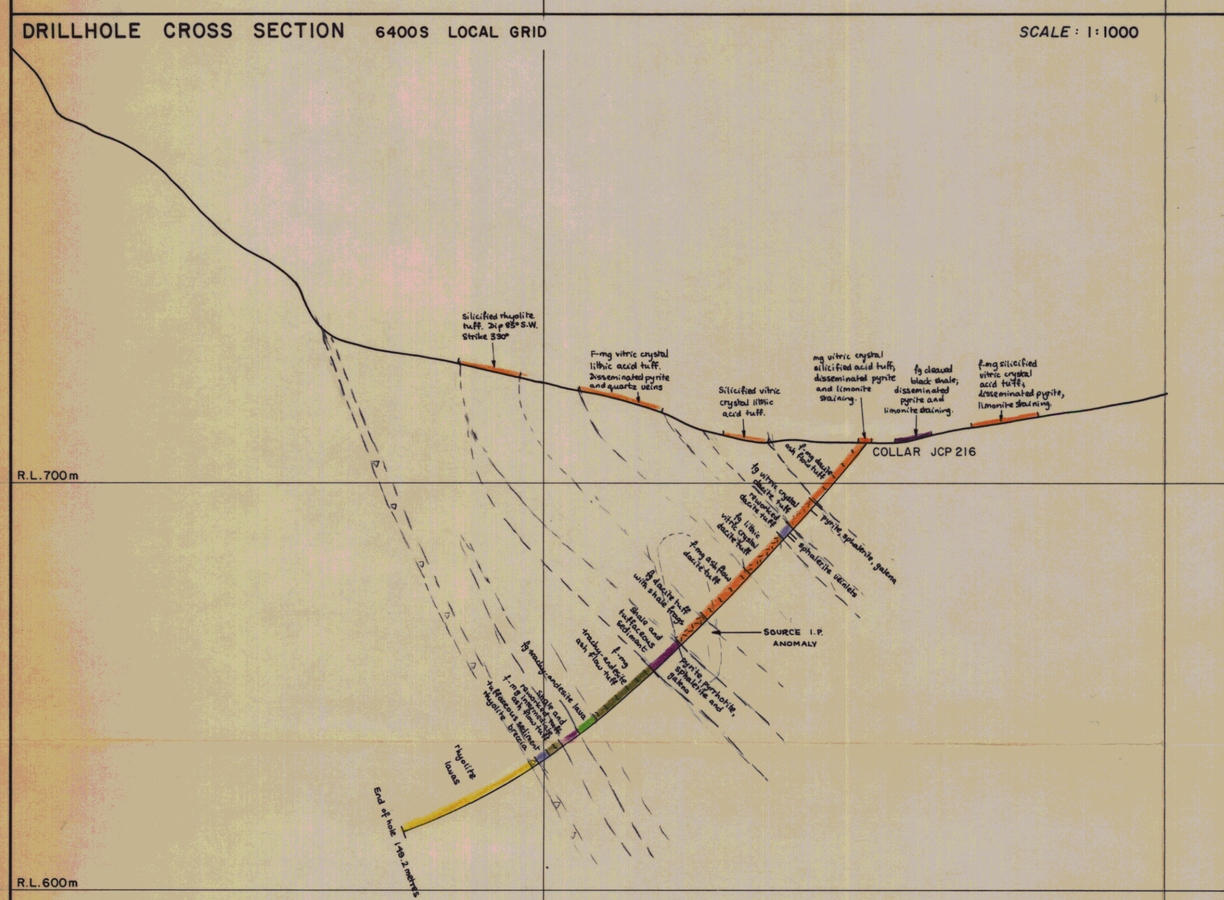
PLAN OF DRILLHOLE

SCALE: 1:1000

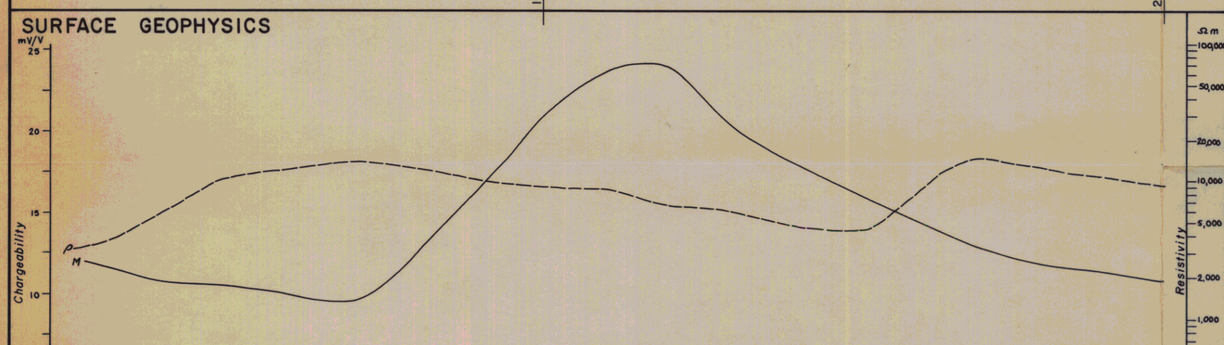


DRILLHOLE CROSS SECTION 6400S LOCAL GRID

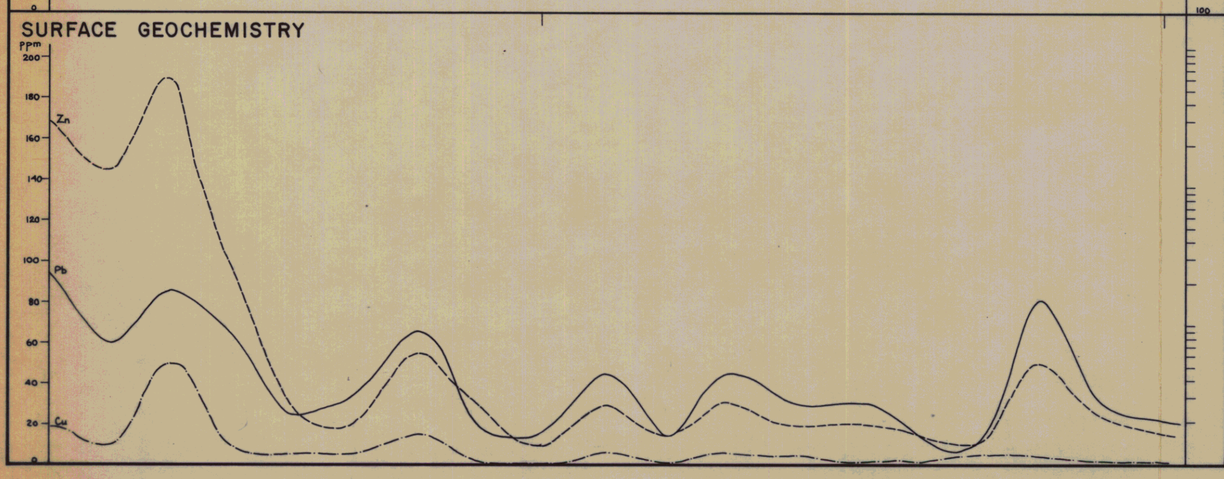
SCALE: 1:1000



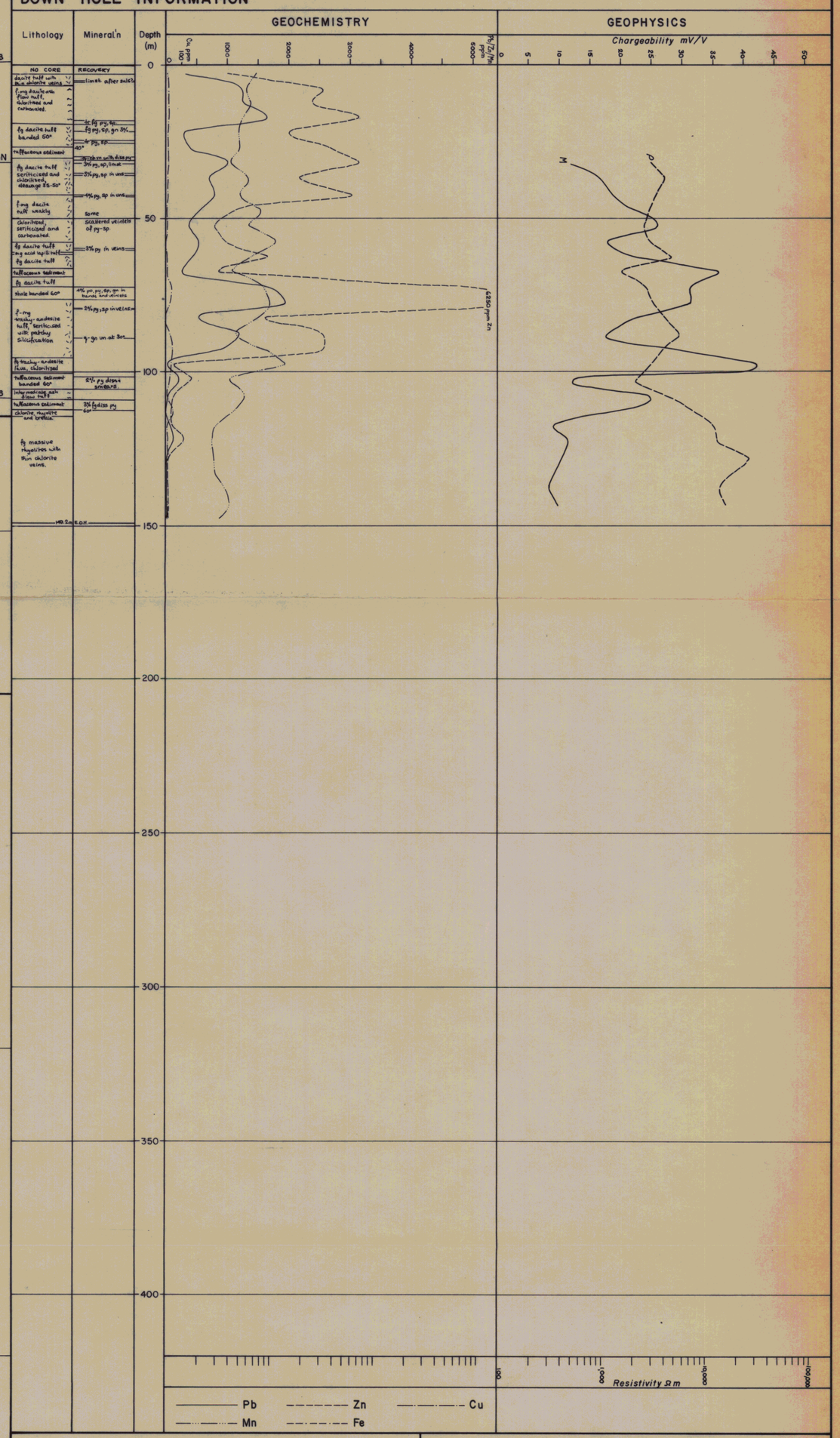
SURFACE GEOPHYSICS



SURFACE GEOCHEMISTRY



DOWN HOLE INFORMATION



SUMMARY OF COMPLETED HOLE

CO-ORDINATES	NORTHING	EASTING	R.L.
LOCAL GRID A.M.G. TO BE SURVEYED	6400S	1760E	710m

AZIMUTH: 270° DIP: -50° TOTAL DEPTH: 149.2m

COMMENCEMENT DATE: 6.3.80 COMPLETION DATE: 11.3.80

INTERNAL SURVEY INFORMATION

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
0.0m 50.0 107.0 149.0	270° no azimuth information: acid tube survey only	-50° -46.5° -37° -23°			

HOLE SIZE	FROM	TO	HOLE SIZE	FROM	TO
HQ NQ BQ	0.0m 6.0 24.0	6.0m 24.0 149.2m			

DRILLED GEOLOGY (SUMMARISED)

DEPTH	LITHOLOGY	MINERALISATION AND SIGNIFICANT ASSAYS
0 - 19.6m	F-mg possible ash flow dacite tuffs.	
19.6 - 27.1m	Fg vitric crystal dacite tuff.	19.6 - 21.8m scattered fg py-sp-gn in veinlets and smears on joint surfaces.
27.1 - 30.5m	Fg dacite tuffs containing some reworked bands.	28.9 - 29.3m 2-3% diss sp in veinlets.
30.5 - 42.6m	Fg lithic vitric crystal dacite tuff	Scattered patches of remob py-sp, total <2%
42.6 - 57.9m	F-mg possible ash flow dacite tuff.	
57.9 - 66.6m	Mainly fg dacite tuff with grey shale fragments near the basal contact.	
66.6 - 76.8m	Interbedded grey shales, dacite tuffs and reworked tuffs.	3-4% fg py-po-sp-gn in bedded thin bands and veinlets.
76.8 - 95.4m	F-mg possible ash flow intermediate tuffs with bands of silicification.	89.2 25mm quartz-galena vein.
95.4 - 100.8	Fg weakly porphyritic intermediate lava.	
100.8 - 105.9	Interbedded grey shales and reworked tuffs.	Fg diss py-sp and py smears on joint surfaces; total ~ 3%.
105.9 - 109.1	F-mg possible ash flow intermediate tuff.	
109.1 - 112.7	Fg vulcanogenic shale with slump bands of tuff.	2-3% fg diss py.
112.7 - 114.3	Coarse rhyolite breccia.	
114.3 - 149.2	Fg pink rhyolite lavas.	

LOGGED BY: I. McD. DATE: 14.4.80

SAMPLE DATA

SAMPLED INTERVAL	SAMPLE NUMBERS	SAMPLE TYPE	ELEMENTS DETERMINED	LAB. METHOD
5.0m	29741 - 29770	CHIP	Pb, Zn, Cu, Ag, Fe, Mn	A.A.S.
at 24.0m	29736		THIN SECTION	
50.2m	29737		"	
73.6m	29738		"	
98.2m	29739		"	
105.0m	29740		"	

NOTES:

SPECIFICATIONS OF PROPOSED HOLE

CO-ORDINATES	NORTHING	EASTING	R.L.
LOCAL GRID Dallwitz A.M.G.	6400S	1760E	710m

AZIMUTH: 270° DIP: -50° DESIGNED DEPTH: 150.0m

ESTIMATED COMMENCEMENT: March 1980

ANTICIPATED GEOLOGY

DEPTH	LITHOLOGY	NATURE OF TARGET AND ANTICIPATED DEPTH
0-150m	Acid tuffs and lavas of the Mt. Read Volcanic suite.	Disseminated sulphides or granite between 65m and 110m.

DESIGNED BY: I. McD. DATE:

AIM OF HOLE:

To test an E.I.P. chargeability anomaly with peak values on line 6400S at 1590E Dallwitz Grid.

NOTES:

The surface chargeability anomaly was resolved into two down hole peaks centred over shales and subaqueous tuffs containing weak bedded py-sp mineralisation at approximately 65m and 100m. The hole intersected a favourable environment for Rosebery style mineralisation without encountering any ore grade values.

5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: MT. BLACK E.L. 1/62 TAS.

SPECIFICATIONS AND SUMMARY OF RESULTS

EXPLORATION DIAMOND DRILL HOLE No. JCP216

058893

SCALE: As shown	Survey: I.McD.	Revised: 6.5.80
Reference:	Date: 14.3.80	REF. No.
Drawn: R.P.T.	Checked:	A1-504-0103

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FARM CREEK
Follow up of I.P. anomalies completed.

MT. SALE
Geological mapping of Grids 1, 7 and 9 completed. Murchison River Grid ground magnetics and DDH MRP 212 completed.

STITT
Reconnaissance mapping, I.P., soil sampling completed. Stream mapping / sampling commenced. Stitt Follow Up Grid - mapping, sampling and I.P. completed.

MT. MURCHISON
Reconnaissance stream mapping / sampling completed.

WHITE SPUR - DOBSONS CREEK
Detailed I.P. and soil sampling completed.

WHITE SPUR - JONES CREEK
Diamond drilling JCP 211 and JCP 216 completed.

NATONE - COLEBROOK HILL
Detailed mapping, soil sampling, I.P, E.M. and ground magnetics completed.

5380000 mN
5370000 mN
5360000mN

380000mE
390000mE

BURNS PEAK
RAILWAY
BAY
FARM CREEK
River
Mackintosh
FARRELL MINE
TULLAH
LANGDON GRID (GRID 9)
(GRID 1)
MT. SALE
EMU
MT. FARRELL
MURCHISON RIVER GRID (GRID 10)
Sterling Valley E.L.4/73
(GRID 7)
MT. BLACK
MRP 212
STP 218
STP 217
Pieman River
MURCHISON
ROSEBERY
HIGHWAY
Sterling River
COLEBROOK HILL GRID
STITT FOLLOW UP GRID
STITT GRID
NATONE
Murchison River
MT. MURCHISON
Stitt
AERIAL ROPEWAY
WILLIAMSFORD
River
MT. MURCHISON
E.L. 1/62
BOUNDARY OF SOUTH WEST TASMANIA CONSERVATION AREA
MT. READ
WHITE SPUR
JCP 211
JCP 216
DOBSONS CREEK GRID
JONES CREEK GRID
Jones Creek
Dobson Creek
White Spur Ck
MT. DUNDAS

5 cm

LEGEND

- Line Geology Mapped
- Access / Creek Mapping Completed
- Road
- Vehicle Track
- Walking Track
- Railway
- Abandoned Tramway
- Transmission Line
- Grid Line

ELECTROLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: MT. BLACK | TAS.

WORK COMPLETED DURING

30.6.79 - 30.6.80

058894

SCALE 1 : 50,000	REVISED :	REFERENCE NO.
REFERENCE :		
DATE : 7.8.80	DRAWN : R.P.T.	A2 - 504 - 0126

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