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84-2192

367001

D of M	A.O.	C.G.	E.O.	D.S.M.E.
G. DIR.	- 4 JUN 1984			Registrar
	DEPT. OF MINES			E & IL
REF. No.	5586/84			

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
 Mineral Resources Division

MICROFILMED

E.L. 4/78 (ZEEHAN)

QUARTERLY REPORT - FIRST QUARTER 1984

S. Taylor,
May, 1984

QUARTERLY REPORT - FIRST QUARTER 1984
(Covering the period 10.1.84 - 3.4.84)

1. INTRODUCTION

E.Z. is conducting exploration in various grids in E.L. 4/78 (Zeehan) (see Fig1) on behalf of the E.Z.-Amoco (Licence holders) joint venture. Work in the first quarter of 1984 mainly comprised costeaning of the various geochemical/geophysical anomalies generated by exploration in the last quarter of 1983. The exploration programme is designed to investigate the potential for sedimentary-exhalative Pb-Zn mineralisation in the Ordovician Gordon Limestone sequence.

2. WORK COMPLETED

- * A total of 2,066m was excavated by an O & K excavator in 20 costeans in the Myrtle, Grieves, Baura, Rose Valley and Pyramid Grids, as summarised below. From these costeans, a total of 907 samples of weathered and fresh bedrock was collected at 2m intervals and despatched for analysis.

Myrtle Grid

<u>Line</u>	<u>Costean Interval</u>	<u>Length (Metres)</u>
50,600N	60,350-478E	128
50,500	60,300-526	226
48,600	60,300-376	76
50,300	60,050-430	380
50,200	59,750-900	150

Grieves Grid

48,400N	61,062-134E	72
48,000	60,330-344	14
47,900	61,278-378	100
47,800	61,290-352	62
47,600	60,550-664 60,684-686	118
47,100	61,150-200	50

Baura Grid

46,200N	60,924-950E	26
45,300	60,876-950	74
45,200	60,924-976	52
45,222	61,000-028	28

Rose Valley

Line	Costean Interval	Length (Metres)
44,200N	60,700-900E	200
44,000	61,016-122	106

- * 6 rock samples from the Grieves Grid costean at 47,100N were submitted for petrological examination.
- * 8 rock samples from outcrops in the Myrtle to Rose Valley area were submitted for petrological examination.
- * 12 stream sediment samples were collected in the Myrtle Grid and despatched for analysis.
- * Mineralised sections from DDH's ZMG 249, 249a and 252, drilled in the last quarter of 1983, were split and despatched for analysis. From this core, 16 samples of representative mineralogy and lithology were submitted for petrological examination.
- * 14 samples of core from the Oceana prospect were submitted for petrological examination.

3. RESULTS RECEIVED**3.1. Costeans**

The costean results to date indicate the occurrence of significant Pb-Zn mineralisation at various stratigraphic levels in the Pyramid Myrtle and Grieves Grids, and weak mineralisation in Baura Grid. These results are summarised below. A number of these costeans will be tested by diamond drilling in the immediate future.

3.1.1. PYRAMID GRID

In the Pyramid Grid (Fig. 2) the best intersection comprises epigenetic galena and pyrite mineralisation within completely weathered limestone on line 1,750N, near the old workings. Costeaning on 1,700N revealed only weakly mineralised limestone, while the corresponding section on line 1,800N was obscured by thick gravels.

Summary:-

Line	Best Assays
1,700N	2m @ 1.55% Pb
1,750	6M @ 7.18% Pb 2.13% Zn
1,800	Pb and Zn both <1%

Ag?
 ~ north Oceania type
 mineralisation
 ~ 15 g/t Ag per 1% Pb
 2029

3.1.2. MYRTLE GRID

In Myrtle Grid (Fig. 3) significant values were obtained from a costean on line 50,500N, adjacent to a major NW fault. The mineralisation in Pyritic clay, weathered limestone, barite and sedimentary breccias is analagous to the carbonate-hosted sedimentary-exhalative mineralisation seen in the Republic of Ireland. In the costean at 50,600N, on the other side of the fault the mineralisation occurs as banded sulphides in siltstones and may represent a stratigraphically higher position than the 50,500N occurrence. The other costean for which results are available, at 48,600N, returned weak Pb-Zn values from a stratigraphic position close to the upper contact with the overlying Silurian Crotty Quartzite.

Summary:

Line	Best Assays
50,600N	2m @ 17.83% Zn & 3.78% Pb
50,500	i) 8m of 6.94% Zn ii) 8m of 3.20% Zn, 3.79% Pb iii) 8m of 1.39% Zn, 1.62% Pb, 16.9% Ba
48,600	Pb & Zn <1%

Ag?
 ✓

3.1.3. GRIEVES GRID

In Grieves Grid (Fig. 4), the costeans indicate the occurrence of three separate mineralised horizons, corresponding roughly with the base, middle and top of the Gordon Limestone sequence. In the basal area, costeans at 47,800N and 47,900N have returned encouraging Zn values in sideritised and dolomitised oolitic and limestone breccia, and results are awaited from similar lithologies in the costean at 48,400N. In the middle portion of the limestone sequence the costean at 47,100N was particularly encouraging, as it revealed 14m @ 1.19% Pb, 8.57% Zn in sedimentary breccias with clasts of galena, pyrite and fine grained sphalerite, a lithology which confirms the sedimentary exhalative nature of these deposits. In the upper area of the sequence, results are awaited for a suspected third mineralised layer.

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Summary:-

Line	Best Assays
48,000N	Pb & Zn < 1%
47,900	i) 10m @ 3.67% Zn, 0.53% Pb ✓ ii) 8m @ 3.82% Zn, 0.1% Pb. Some assays awaited.
47,800	8m @ 10.18% Zn, 0.55% Pb. Some assays awaited.
47,100	14m @ 8.57% Zn, 1.19% Pb.

3.1.4. BAURA GRID

In Baura Grid (Fig. 5), the costeans at 45,200N, 45,300N and 46,200N, sited on elevated Zn/Pb auger geochemistry, revealed generally weak mineralisation in black clay with limestone fragments, in an area of boggy ground. In this area, deep percussion drilling will be undertaken to determine the depth of bedrock.

Summary:-

Line	Results
46,200N	Zn 1,600-6,400 ppm; Pb 200-9,300ppm.
45,300	18m @ 0.16-0.18% Zn; 0.10-0.42% Pb.
45,200	Maximum 3,600 ppm Zn; 3,125 ppm Pb

3.2. Diamond Drilling

Results of the two hole diamond drill programme to investigate the potential for Pb-Zn mineralisation at the site of the old Montagu Mine workings are summarised in Fig's 6 and 7.

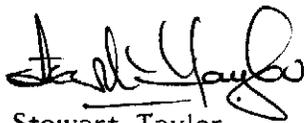
Hole ZMG 249 was designed to investigate Ordovician carbonate-hosted Pb-Zn in old workings at Montagu Mine to the north of the fault, and also an EM 37 anomaly in the Cambrian Crimson Creek Formation to the south. After advancing to 214m, the hole was lost due to a rod breakage at 98m. Hole ZMG 249 was subsequently redrilled from 100-214m then continued to its completion at 289m. Although the hole was drilled close to the Montagu Workings which contain Pb-rich limestones in dumps, no significant limestone was intersected. Instead the hole passed from Silurian Crotty Quartzite into a sequence of partly veined and brecciated silicified siltstones and mudstones with only traces of Pb-Zn mineralisation. After passing through the Balstrup Fault, the hole intersected sheared and veined black carbonaceous mudstones with minor pyrite of the Crimson Creek Formation, which appears to account for the EM 37 response at this locality.

Hole ZMG 252, designed to investigate a richer portion of the Montagu workings, intersected a low grade mineralised zone at 106.5-112.9m, comprising disseminations and patches of galena and sphalerite in a brecciated limestone-shale sequence, rich in veinlets and cavity infillings of siderite.

The best results of the mineralised intersections assayed to date are as follows:

- ZMG 249 107.7m-108.7m, 1m @ 2.58% Zn, 1.67% Pb and 20 g/t Ag (in carbonate vein).
- ZMG 249A 150.5m-153.7m, 3.2m @ 5.36% Zn, 0.11% Pb and 12.5 g/t Ag (in carbonate vein).
- ZMG 252 108.3m-110.3m, 2m @ 1.6% Zn, 0.02% Pb and 2 g/t Ag (in limestone breccia).

There is therefore no potential for a significant tonnage of Pb-Zn mineralisation adjacent to the Balstrup Fault, at the site of the Montagu Workings. ✓



Stewart Taylor,

Supervising Geologist - Tasmania,

Mineral Resources Division

Attachments:

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
Mineral Resources Division

006

EXPENDITURE STATEMENT

PROJECT E.L. 4/78(Zeehan)

PERIOD 11.1.84 to 3.4.84

FIRST QUARTER, 1984

STATE Tasmania

DATE COMPILED 30th May, 1984

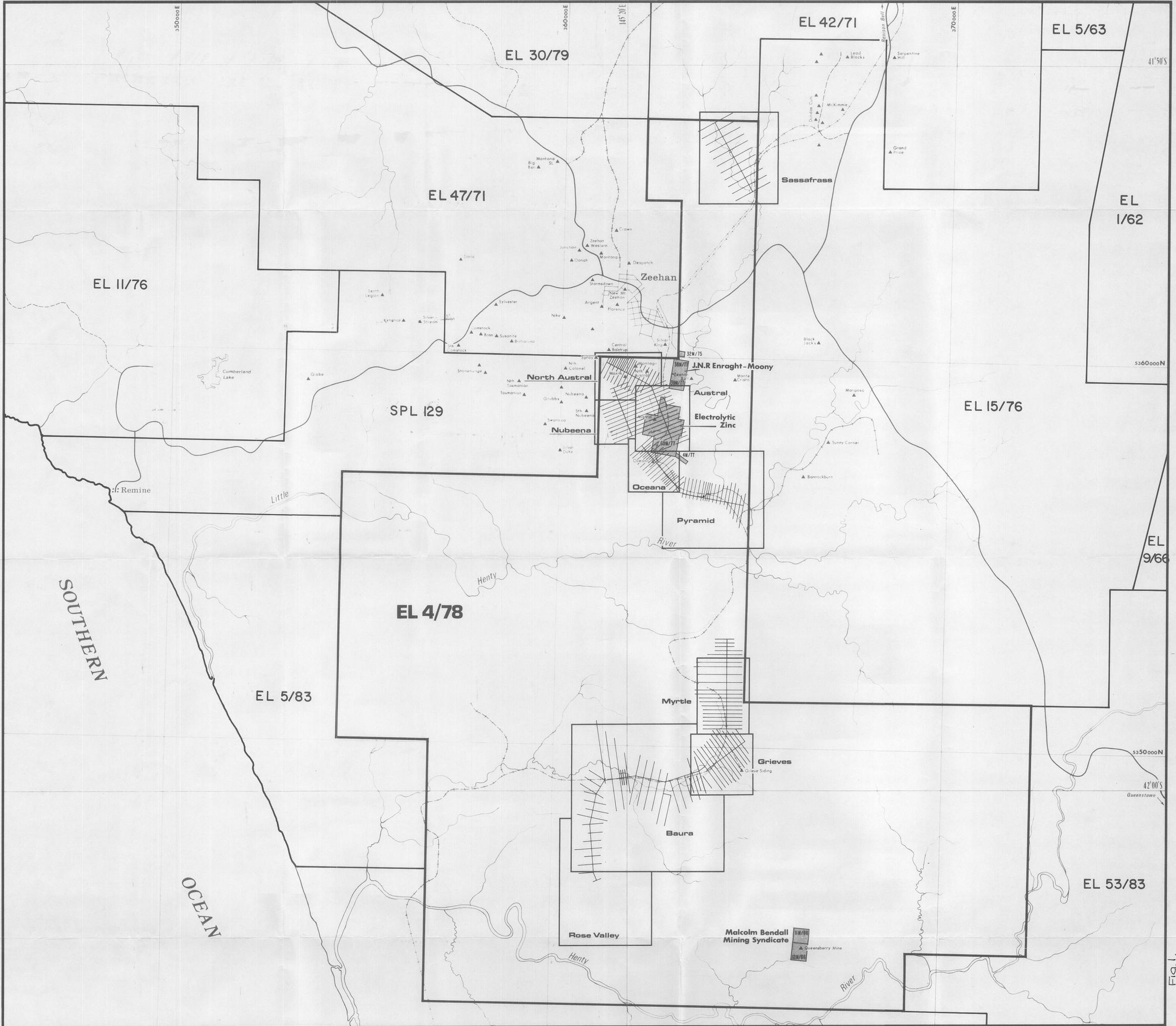
	CURRENT PROGRAMME		TOTAL	TOTAL (CALENDAR YEAR)
	Approved Expenditure	Expenditure		
	to	11.1.84 to 3.4.84	to	to
Technical Salaries		10,424		
Wages		5,973		
Field Living, Supplies, Stores		835		
Property & Expenses		1,156		
Travel & Vehicles		4,609		
Administration				
Lease Expenses				
Access & Costeaning		5,847		
Geology		2,468		
Geochemistry		11,796		
Geophysics		4,845		
Drilling - Diamond		1,471		
Drilling - Other		312		
SUB TOTAL		49,736		
OVERHEADS		7,460		
TOTAL OPERATING		57,196		
PREVIOUS TOTAL TO				
TOTAL PROJECT EXPENDITURE TO				

Compiled by..... S. Taylor.....

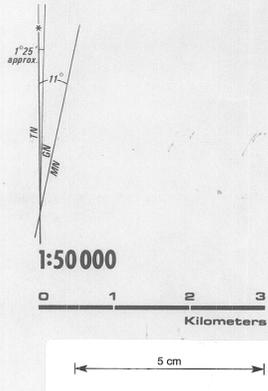
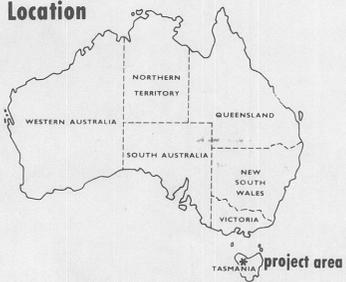
Checked by..... .....

Approved by.....

367007



Location



Compiled from enlargement of Zeehan 1:63360 scale and Strahan 1:50000 scale geologic maps. Transverse Mercator Projection



367008

Amoco Minerals Australia Company

Project	ZEEHAN	Nº A-78-60
Project Partner	Zeehan EL 4/78 008	
PROSPECT LOCATION		
Map Ref. ANG	K-55-S	Latitude 42° 00' S Longitude 145° 20' E
Surveyed	Date	Scale 1:50000
Drawn	S.F., R. Smyth-King	Date August 1981 Drawing Nº M80-1476
Report 353	8L-2192	

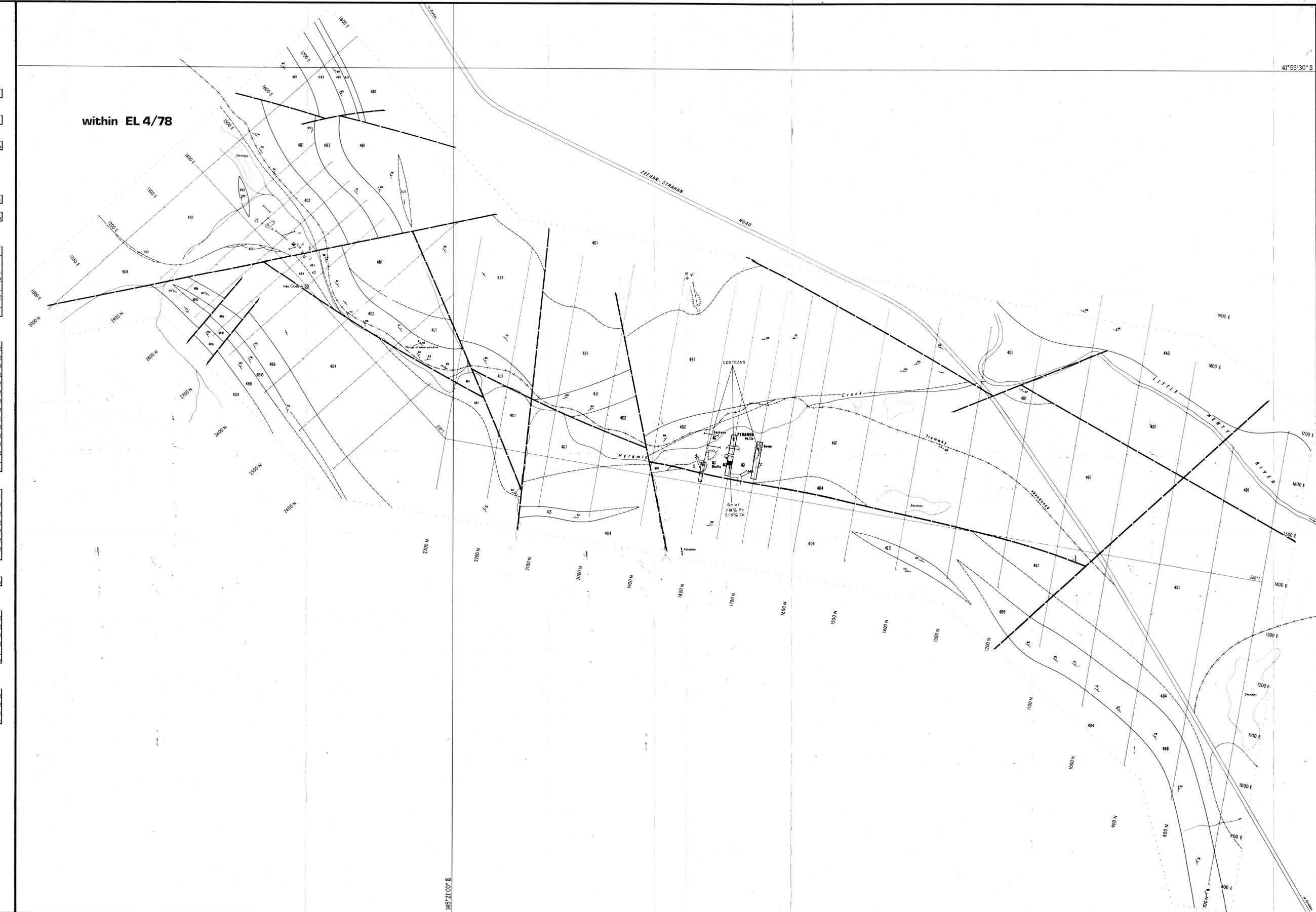
AX-532-0034

Enclosure 1

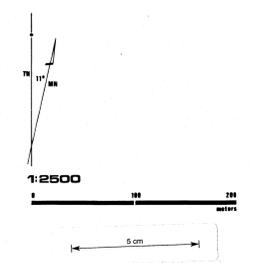
Fig. 1.

Legend

QUATERNARY	
Alluvium etc.	GR
TERTIARY	
Basalt	2C
DEVONIAN	
Florence Quartzite	4A
Undifferentiated quartzites, sandstones, siltstones	25
SILURIAN	
Keel Quartzite	4A1
Undifferentiated quartzite, sandstone	10
Amber Slate	401
Siltstone interbedded with shales	28
Cratsy Quartzite	
Undiff. sandstones, siltstones and grits	481
Sandstone, massive	482
Sandstone, cross bedded	483
Sandstone, tubular	484
Sandstone, white, friable	485
Siltstone	402
Conglomerate	411
Grits	411
ORDOVICIAN	
Gordon Limestone	
Sandstone	486
Sandstone, fossiliferous	487
Sandstone breccia	488
Siltstone	403
Shale	481
Claystone	4F
Limestone	481
Limestone, fossil breccia	482
Limestone, slumped	483
Dolomite, black	481
Dolomite breccia	482
Dolomite, silicified	483
Conglomerate	412
Ironstone	5
Mineralization	51
Molina Formation	
Sandstone, tubular	489
Sandstone	4810
Undifferentiated	404
Siltstone, tubular	405
Dolomite	484
Conglomerate	413
Grit	412
Ironstone	5
Mt. Zeehan Conglomerate	
Conglomerate	414
CAMBRIAN	
Crisson Creek Formation	
Undifferentiated	1E 1
Tuff, volcano lith-arenite	1E 2
Sandstone-tuff	4B 11
Shale	4E 2
Ironstone	5
Siltstone	406
PRECAMBRIAN	
Denah Quartzite	
Undifferentiated	4A1
Micaceous quartzite	4A2
Sandstone, brown	4B12
Siltstone	407



41°55'30" S



Amoco Minerals Australia Company 007
367609

Project	ZEEHAN	Nº A-7B-80A
Project Partner		
Pyramid		
FACTUAL GEOLOGY	&	COSTEAN SUMMARY
Map Ref. ANG	K-55-5	Latitude 41°55'S Longitude 145°20'E
Surveyed	G. Key	Date 3-4-84 Scale 1:2500
Drawn	R. S.K. & R.J.R.	Date 3-4-84 Drawing Nº M83-2052
Report 353		

MYRTLE

E.L. 4/78

E.L. 15/76

LEGEND

COLOUR

- | | |
|------------|-------------|
| pk - pink | wh - white |
| br - brown | bk - black |
| bl - blue | gr - green |
| gy - grey | yl - yellow |
| rd - red | or - orange |
| cr - cream | pl - pale |
| lt - light | dk - dark |

TEXTURE

- | | |
|----------------------|----------------------|
| fg - fine grained | foss - fossiliferous |
| mg - medium grained | sil - siliceous |
| cg - coarse grained | mic - micaceous |
| bcd - brecciated | ferr - ferruginous |
| clvd - cleaved | int - intense |
| shrd - sheared | wk - weak |
| calc - calcareous | v - very |
| carb - carbonaceous | pb - pebble |
| lam - laminated | cb - cobble |
| xbd - cross bedded | tr - trace |
| tn bd - thin bedded | in bd - inter bedded |
| tk bd - thick bedded | fbcl - tubular |
| vn - veins, veining | frct - fractured |

ROCK TYPE

- | | |
|-----------------|--------------------|
| SST - sandstone | SLT - siltstone |
| LST - limestone | DLST - dolomite |
| BX - breccia | CGL - conglomerate |
| SH - shale | BSH - black shale |
| QZT - quartzite | LIM - ironstone |
| GRIT - grit | CLY - clay |
| PUG - pug | GRA - gravel |

MINERALOGY or ALTERATION

- | | |
|------------------|-------------------|
| qz - quartz | py - pyrite |
| gn - galena | sp - sphalerite |
| lim - limonite | cp - chalcopyrite |
| cbd - carbonated | sid - silicified |
| c - calcite | |

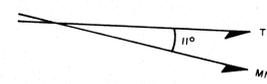
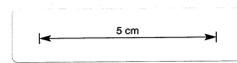
ORDER

Colour, Texture, Rock Type, Mineralogy or Alteration, Fossils.
 e.g. dk gy mg foss SST or gy calc SH py or pl gy LST sid

TOPOGRAPHICAL

- | | |
|----------------|-------------------------|
| cut grid lines | 090° joint |
| roads | 090° joint - vertical |
| tracks | 090° overturned |
| tramways | 60° bedding |
| power lines | 090° bedding - vertical |
| rivers, creeks | quarries |
| swampy area | |

367010



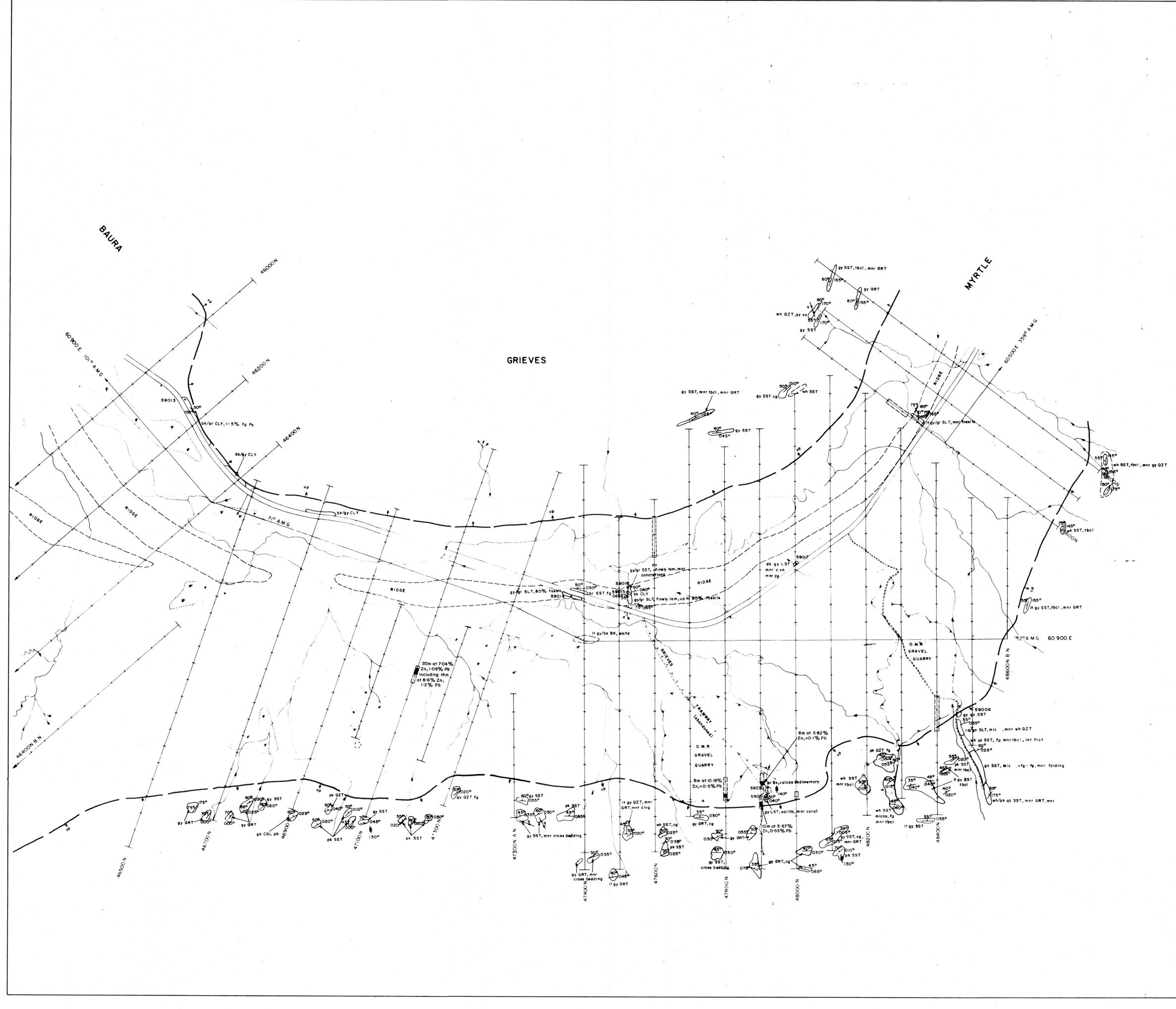
ELECTROLYTIC ZINC CO. OF ASIA LTD.

PROJECT: EL 4/78 ZEEHAN TAS.

MYRTLE GRID

COSTEAN SUMMARY 009

Scale: 1:5000	Survey: I.M.A.T.	Revised:
Reference: A-78-60B	Date: 28-3-84	REF No
Drawn: R.J.R.	Checked:	A1-532-0061



LEGEND

COLOUR	wh - white
pk - pink	bk - black
br - brown	gr - green
bl - blue	yl - yellow
gy - grey	or - orange
rd - red	pl - pale
cr - cream	dk - dark
lt - light	

TEXTURE

fg - fine grained	foss - fossiliferous
mg - medium grained	sil - siliceous
cg - coarse grained	mic - micaceous
bx - brecciated	ferr - ferruginous
clvd - cleaved	int - intense
shrd - sheared	wk - weak
calc - calcareous	v - vary
carb - carbonaceous	pb - pebble
lam - laminated	cb - cobble
xbd - cross bedded	tr - trace
tnbd - thin bedded	intbd - inter bedded
tkbd - thick bedded	fbcl - tubular
vn - veins, veining	frct - fractured

ROCK TYPE

SST - sandstone	SLT - siltstone
LST - limestone	DLST - dolomite
BX - breccia	CGL - conglomerate
SH - shale	BSH - black shale
QZT - quartzite	LIM - ironstone
GRIT - grit	CLY - clay
PUG - pug	GRA - gravel

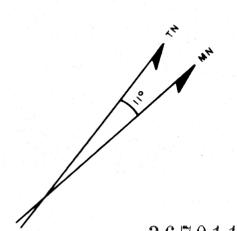
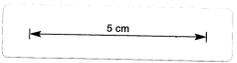
MINERALOGY or ALTERATION

qtz - quartz	py - pyrite
gn - galena	sp - sphalerite
lim - limonite	cp - chalcopyrite
cbb - carbonated	sid - silicified
c - calcite	

ORDER
 Colour, Texture, Rock Type, Mineralogy or Alteration, Fossils
 e.g. dk gy mg foss SST or gy calc SH py or pl gy LST sid

TOPOGRAPHICAL

cut grid lines	090° joint
roads	090° joint - vertical
tracks	090° overturned
tramways	090° bedding
power lines	090° bedding - vertical
rivers, creeks	quarries
swampy area	



367011

ELECTROLYTIC ZINC CO. OF ASIA LTD.

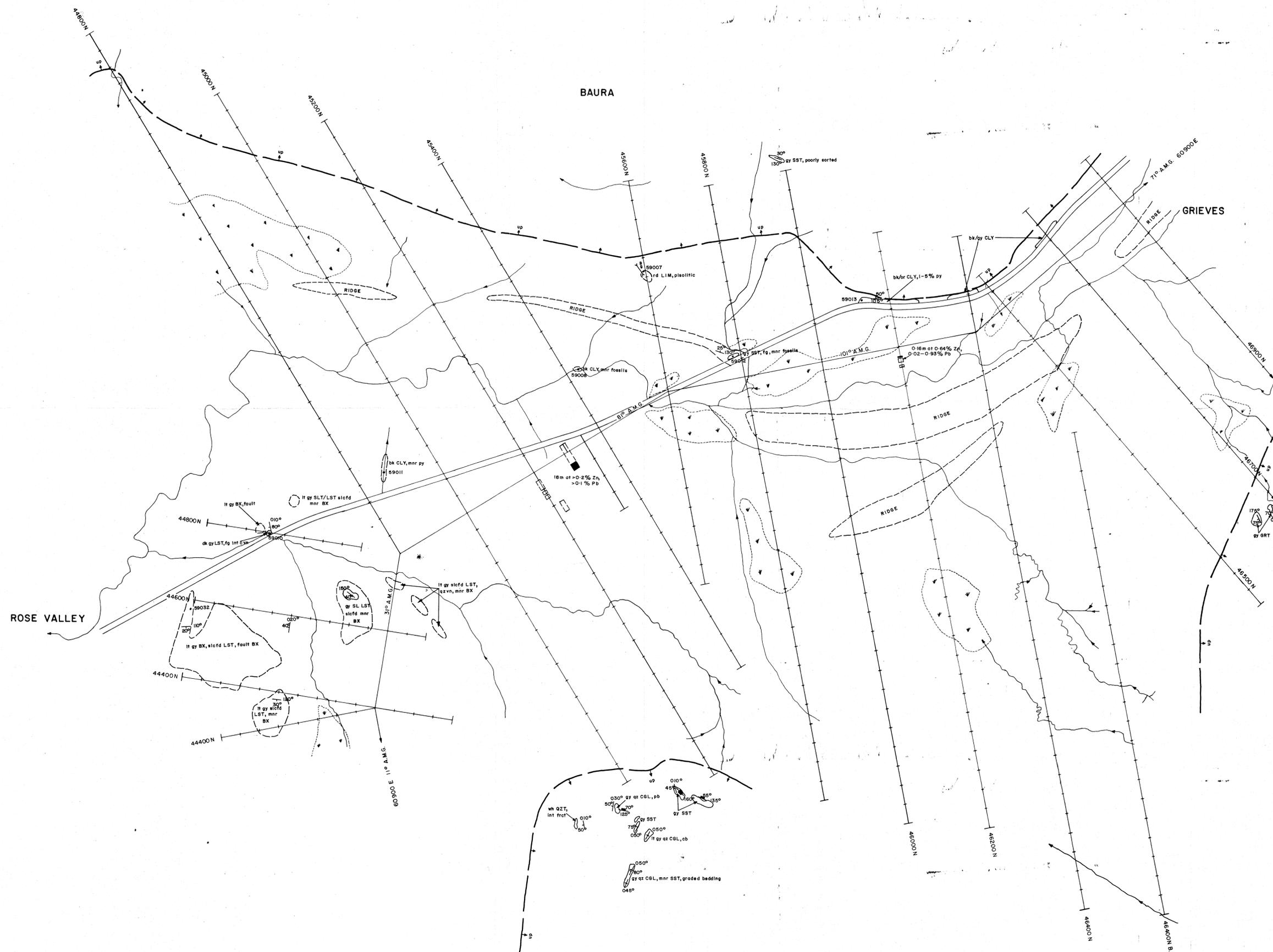
PROJECT: EL 4/78 ZEEHAN TAS.

GRIEVES GRID

COSTEAN SUMMARY 010

Scale 1:5000	Survey 1:MAT	Revised
Reference A-78-60B	Date 28-3-84	REF No
Drawn R.J.R.	Checked	A1-532-0060

84-2192 Fig.4



LEGEND

COLOUR	wh - white
pk - pink	bk - black
br - brown	gr - green
bl - blue	yl - yellow
gy - grey	or - orange
rd - red	pl - pale
cr - cream	dk - dark
lt - light	

TEXTURE	foss - fossiliferous
fg - fine grained	sil - siliceous
mg - medium grained	mic - micaceous
cg - coarse grained	ferr - ferruginous
bd - brecciated	int - intense
clvd - cleaved	wk - weak
shrd - sheared	v - very
calc - calcareous	pb - pebble
carb - carbonaceous	cb - cobble
lam - laminated	tr - trace
xbd - cross bedded	in bd - inter bedded
tn bd - thin bedded	tbl - tubular
tk bd - thick bedded	frct - fractured
vn - veins, veining	

ROCK TYPE	SLT - siltstone
SST - sandstone	DLST - dolomite
LST - limestone	CGL - conglomerate
BX - breccia	BSH - black shale
SH - shale	LIM - ironstone
QZT - quartzite	CLY - clay
GRIT - grit	GRA - gravel
PUG - pug	

MINERALOGY or ALTERATION	py - pyrite
qz - quartz	sp - sphalerite
gn - galena	cp - chalcopyrite
lim - limonite	sil - silicified
cbd - carbonated	
c - calcite	

ORDER
 Colour, Texture, Rock Type, Mineralogy or Alteration, Fossils.
 e.g.
 dk gy mg foss SST or gy calc SH py or pl gy LST sil

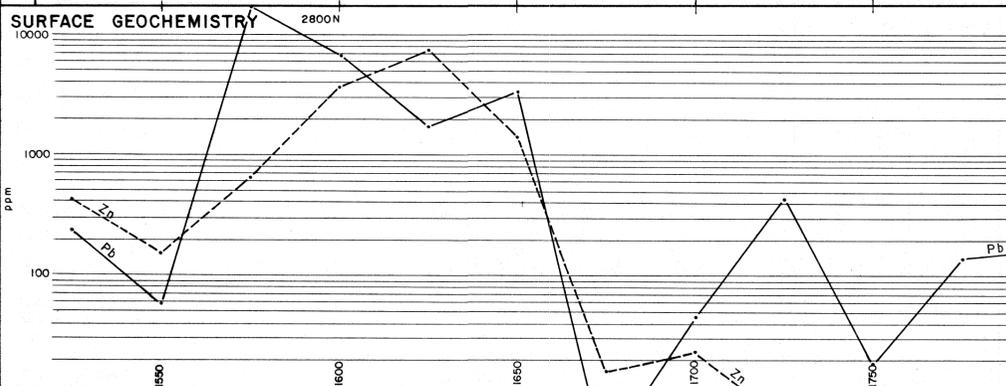
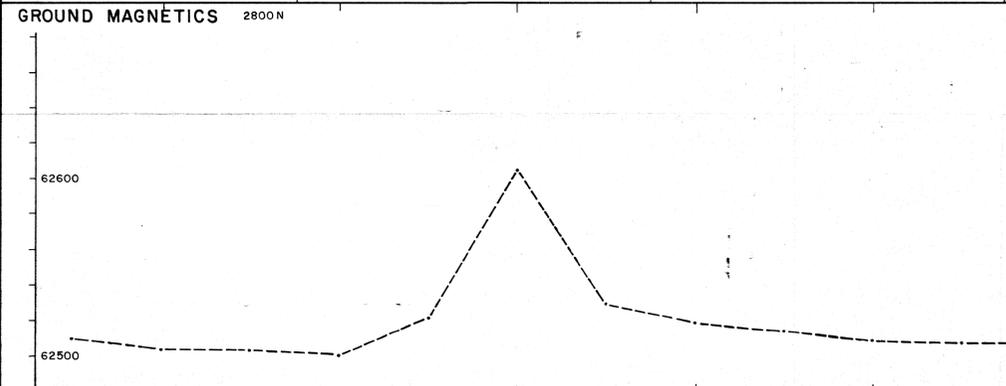
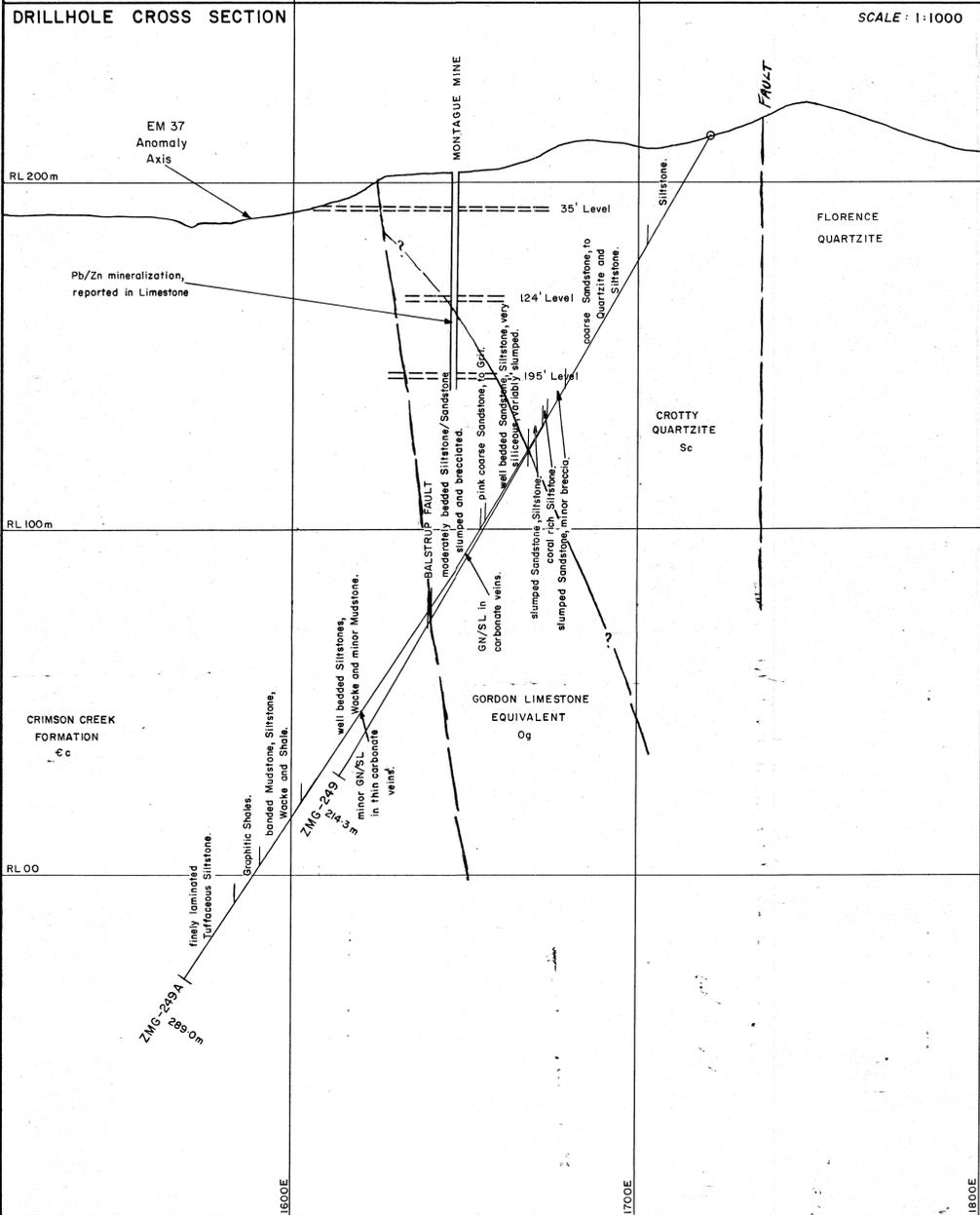
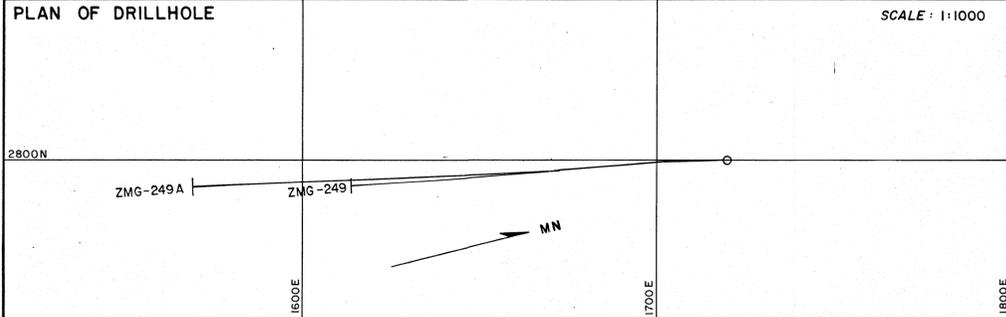
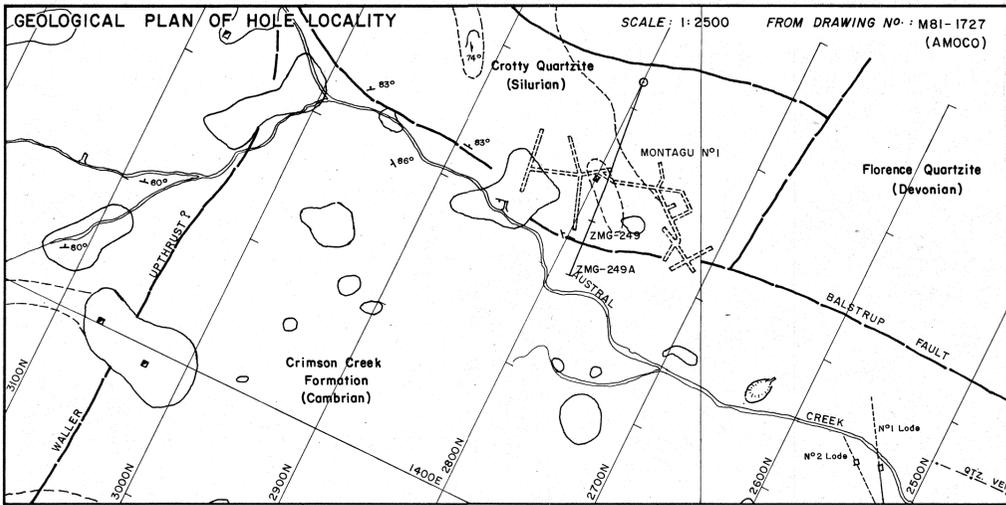
TOPOGRAPHICAL	cut grid lines	joint
roads	joint - vertical	overturned
tracks	bedding	bedding - vertical
tramways	power lines	quarries
rivers, creeks	swampy area	

367012

ELECTROLYTIC ZINC CO. OF ASIA LTD.
 PROJECT: EL 4/78 ZEEHAN TAS.

BAURA GRID
 COSTEAN SUMMARY 011

Scale : 1 : 5000	Survey : I.MAT.	Revised :
Reference : A-78-60B	Date : 28-3-'84	REF. No.
Drawn : R.J.R.	Checked :	AI-532-0059



DOWN HOLE INFORMATION			GEOCHEMISTRY		GEOPHYSICS	
Lithology	Mineral'n	Depth (m)				
No Core, remaining		0				
weathered Siltstone						
cleaved Siltstone						
porous Sandstone, Quartzite and Siltstone minor grit		50				
slumped Sandstone, minor breccia						
coral rich Siltstone						
slumped Siltstone, Siltstone, very siliceous, slumped		100				
well bedded Sandstone, Siltstone, very siliceous, slumped						
pink grit						
well bedded Sandstone, Siltstone, very siliceous slumped		150				
FAULT						
well bedded Siltstone and Wackes minor Mudstone		200				
trace GN/SL in thin Siderite, Dolomite veins						
Mudstone, Siltstone, minor Wackes and Shale		250				
Graphitic Shales						
finely laminated Siltstones						
E.O.H. 289m		300				
		350				
		400				

SUMMARY OF COMPLETED HOLE				SPECIFICATIONS OF PROPOSED HOLE			
CO-ORDINATES	NORTHING	EASTING	R. L.	CO-ORDINATES	NORTHING	EASTING	R. L.
LOCAL GRID	2800	1720	213	LOCAL GRID (Nth. Austral)	2800	1720	213m
A.M.G.				A.M.G.			
AZIMUTH: 192° MAG DIP: -60° TOTAL DEPTH: 289m				AZIMUTH: 206° AMG DIP: 60° DESIGNED DEPTH: 140m			
COMMENCEMENT DATE: 29/10/83 COMPLETION DATE: 28/11/83				ESTIMATED COMMENCEMENT: October 1983			

INTERNAL SURVEY INFORMATION						ANTICIPATED GEOLOGY			
DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	LITHOLOGY	DEPTH	NATURE OF TARGET AND ANTICIPATED DEPTH
ZMG 249	189° MAG	-60°	105m	affected	-60°	0-80m	Sandstone, siltstone and grit.	0-80m	Scattered thin galena veins.
118m	188° MAG	-60°	142m	by broken	-58°				
151m	191° MAG	-60°	169m	NQ Rods	-56°	80-140m	Limestone.	80-140m	Lead-zinc mineralization in limestone.
190m	189° MAG	-59°	225m	191° MAG	-56°				
			289m	191° MAG	-56°				

DRILLED GEOLOGY (SUMMARISED)		MINERALISATION AND SIGNIFICANT ASSAYS	
DEPTH	LITHOLOGY	DEPTH	MINERALISATION AND SIGNIFICANT ASSAYS
0-104.6	CROTTY QUARTZITE		
0-24.7	Weathered Siltstone, orange and green Clay.		
24.7-34.4	Siltstone.		
34.4-84.0	Quartzite, Siltstone, coarse Sandstone.		
84.0-94.3	Slumped Sandstone and breccia.		
94.3-96.6	Coral rich Siltstone.		
96.6-104.6	Slumped Sandstone, Siltstone.		
104.6-158.9	GORDON LIMESTONE EQUIVALENT		
104.6-129.4	Well bedded Siltstone, Sandstone, very siliceous, variably slumped.	131-3-	Trace to minor GN/SL, in Siderite/Dolomite veins.
129.4-131.3	Pink coarse Sandstone, to Grit.	143-2	1-10% SL, in Dolomite veins.
131.3-158.9	Well to moderately bedded Siltstone, Sandstone, variably slumped, minor brecciation.	150-5-	
		153-7	
158.9-160.3	BALSTRUP FAULT ZONE		
160.3-289.0	CRIMSON CREEK FORMATION		
160.3-227.7	Well bedded Siltstones and Wacke.	160.3-	Trace GN/SL, in fine carbonate veins.
227.7-249.8	Banded Mudstone, Siltstone, Wacke and Shale.	200.0	
249.8-262.3	Graphitic Shales.		
262.3-289.0	Finely laminated Siltstones.		

DESIGNED BY: I. J. MATHISON DATE: August 1983

AIM OF HOLE: (I) To test mineralized limestone under the old Montague workings.
(II) To determine the orientation of the limestone unit.
(III) To test course of EM 37 anomaly South of Balstrup Fault.

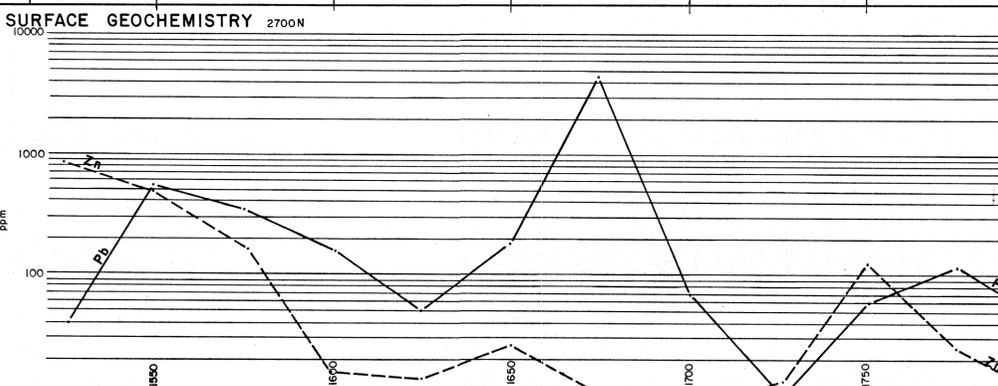
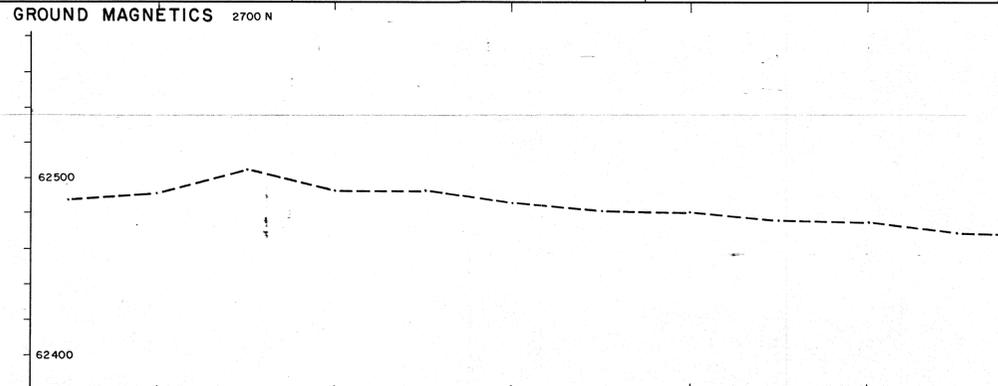
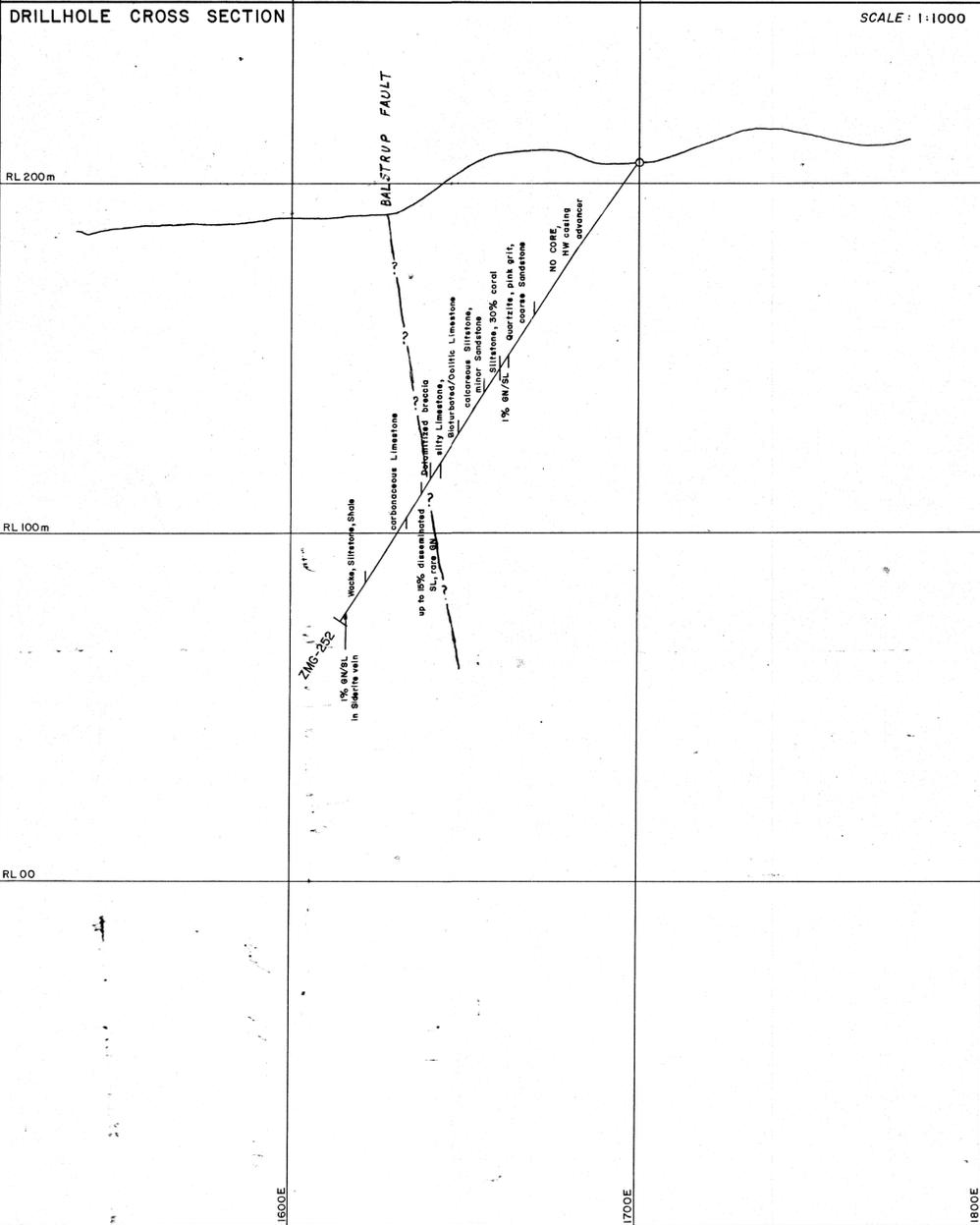
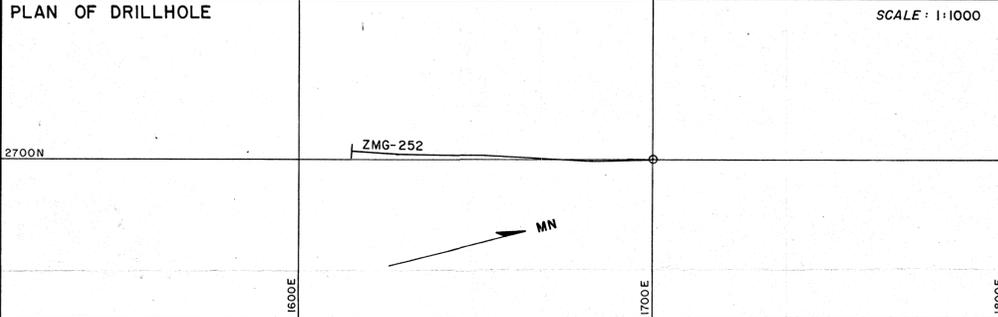
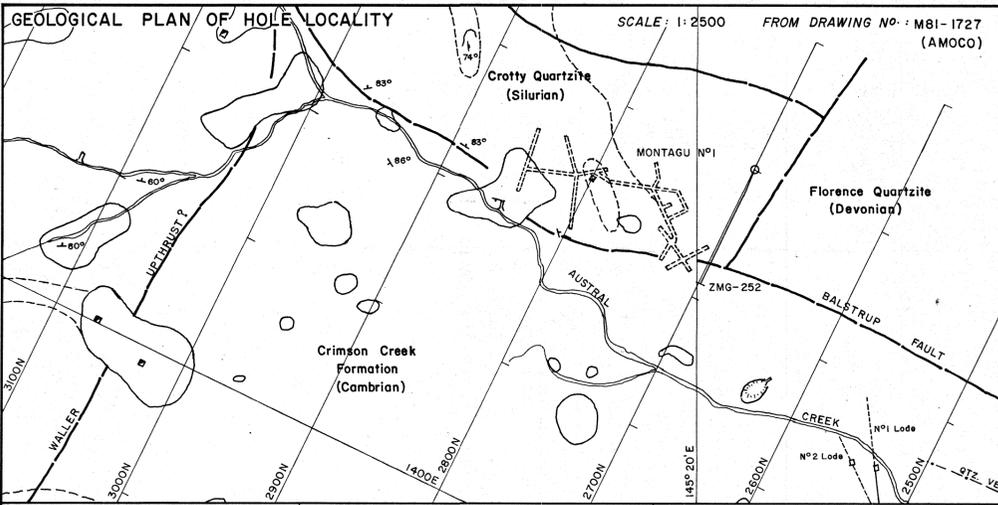
NOTES: 35' level workings, west of shaft.
124' and 195' level workings, east of shaft.
Hole ZMG 249 stopped at 214.3m, due to broken NQ rod string. ZMG 249A is a wedge from 97m.

LOGGED BY: G. KARY DATE: JANUARY, 1984

SAMPLE DATA					ELECTROLYTIC ZINC CO. OF ASIA LTD.	
SAMPLED INTERVAL	SAMPLE NUMBERS	SAMPLE TYPE	ELEMENTS DETERMINED	LAB. METHOD	PROJECT: E.L.4/78 ZEEHAN	TAS.
					SPECIFICATIONS AND SUMMARY OF RESULTS	
					EXPLORATION DIAMOND DRILL HOLE No. ZMG-249 & 249A	
					012	

NOTES: 367013

SCALE: As shown Survey: I. MAT. Revised: Reference: Date: 16-8-83 REF. No. Drawn: R. J. R. Checked: AI-532-0040



DOWN HOLE INFORMATION			GEOCHEMISTRY		GEOPHYSICS	
Lithology	Mineral'n	Depth (m)				
No core, HW casing advanced		0				
Sheared QTZITE	1% GN/SL in fine Quartz vein	50				
Sandstone, pink grit, Quartzite						
Siltstone, up to 30% coral						
Calcareous SLT, SST, minor Quartzite						
Silty LST, carbonaceous						
Bioturbated Limestone						
Dolomitized breccia						
Variably carbonaceous Limestone						
Sandstone Siltstone						
Tuffaceous Wacke, Shale						
	156.2-156.6 1% GN in Siderite vein					

SUMMARY OF COMPLETED HOLE				SPECIFICATIONS OF PROPOSED HOLE			
CO-ORDINATES	NORTHING	EASTING	R.L.	CO-ORDINATES	NORTHING	EASTING	R.L.
LOCAL GRID	2700	1700	206	LOCAL GRID (Nth Austral)	2810	1670	206
A.M.G.				A.M.G.			
AZIMUTH: 193° MAG. DIP: -55° TOTAL DEPTH: 157m				AZIMUTH: 206° AMG DIP: 60° DESIGNED DEPTH: 160m			
COMMENCEMENT DATE: 13/12/83 COMPLETION DATE: 23/12/83				ESTIMATED COMMENCEMENT: October 1983			

INTERNAL SURVEY INFORMATION						ANTICIPATED GEOLOGY		
DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	LITHOLOGY	NATURE OF TARGET AND ANTICIPATED DEPTH
60m	196° MAG.	-57°				0-50m	Sandstone, siltstone, grit.	0-50m Scattered galena veins.
110m	194° MAG.	-58.5°				50-120m	Limestone.	50-120m Lead-zinc mineralization in limestone.
157m	197° MAG.	-56.5°				120-150m	Fault zone.	120-150m Fissure veins and stringer sphalerite and galena.
HOLE SIZE	FROM	TO	HOLE SIZE	FROM	TO	150-160m	Tuffs and volcanogenic sediments	
HW	0	52.1	NQ	63.0	114.8			
HQ	52.1	63.0	BQ	114.8	157.0			

DRILLED GEOLOGY (SUMMARISED)			
DEPTH	LITHOLOGY	DEPTH	MINERALISATION AND SIGNIFICANT ASSAYS
0-52.1	No core, HW casing advanced.		
52.1-93.7	CROTTY QUARTZITE		
52.1-55.9	Sheared Quartzite.		
55.9-71.0	Sandstone, pink grit to Quartzite.	66.8-70.1	1% GN/SL in fine Quartz veins.
71.0-79.5	Siltstone, up to 30% coral.		
79.5-93.7	Calcareous Siltstone and Sandstone, minor Quartzite.		
93.7-101.2	GORDON LIMESTONE		
93.7-101.2	Silty Limestone, slightly carbonaceous.		
101.2-107.3	Bioturbated and Oolitic Limestone.	102.3-105.3	Minor disseminated SL in carbonaceous beds.
107.3-113.3	Breccia-Limestone fragments in Dolomite-Siderite-Quartz veins, very dense.	107.3-113.3	5-15% disseminated SL.
113.3-143.5	Limestone, variably carbonaceous.	113.3-120.6	Rare GN/SL in calcite veins.
143.5-150.7	Sandstone, Siltstone.		
150.7-157.0	Tuffaceous Wacke, Shale.	156.2-156.6	1% GN/SL in Siderite vein

SAMPLE DATA					ELECTROLYTIC ZINC CO. OF ASIA LTD.		
SAMPLED INTERVAL	SAMPLE NUMBERS	SAMPLE TYPE	ELEMENTS DETERMINED	LAB. METHOD	PROJECT: E.L.4/78 ZEEHAN	TAS.	
					SPECIFICATIONS AND SUMMARY OF RESULTS		
					EXPLORATION DIAMOND DRILL HOLE No. ZMG-252		
					013		
NOTES:					SCALE: As shown	Survey: I. MAT.	Revised:
					Reference:	Date: 16-8-83	REF. No.
					Drawn: R. J. R.	Checked:	AI-532-0041

367014