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ELECTROLYTIC ZINC COMPANY OF
ASIA LIMITED
MINERAL RESOURCES DIVISION

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LETTER	
21. 9. 87	
REFERS	

GEOLOGICAL MAPPING AND
GEOCHEMICAL SAMPLING OF THE E.Z.
HENTY GRID

87-2710

E.L. 11/85 - YOLANDE

MICROFILMED

E.Z. REPORT T228

I.J. MATHISON,
N. FERGUSON
JULY, 1987

OPEN FILE

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	5.	Soil Geochemistry - As

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5 cm

No.	NAME	COMMODITY
1	Henty Fault Zone	Au,Cu,Pb,(Zn)
2	Harris Reward	Pb
3	Line 30 Pit	Zn,Pb,Ag,(Cu)
4	Tyndall Mine	Pb,Zn,Cu,Ag
5	Howards Anomaly	Ag,Ba,(Pb,Zn)
6	Henty River Adits	Pb,Zn,Ag
7	Henty Gorge Adit	? Au
8	Sisters Hills	Limonite
9	West Sedgwick	Pyrite
10	Lake Margaret Road	Au
11	Diamond Hill	Au (Pb, Zn?)
12	Madam Howards Plains	Ba, Pyrite
13	Madam Howard Mine	Au
14	Macquarie Mine	Au
15	Woody Hill Mine	Au
16	Golflinks East	Cu
17	Upper Lynch Creek	?
18	Olliphants	Asbestos
19	King River	Au
20	Princess River	Au
21	Lynch Creek South	Au

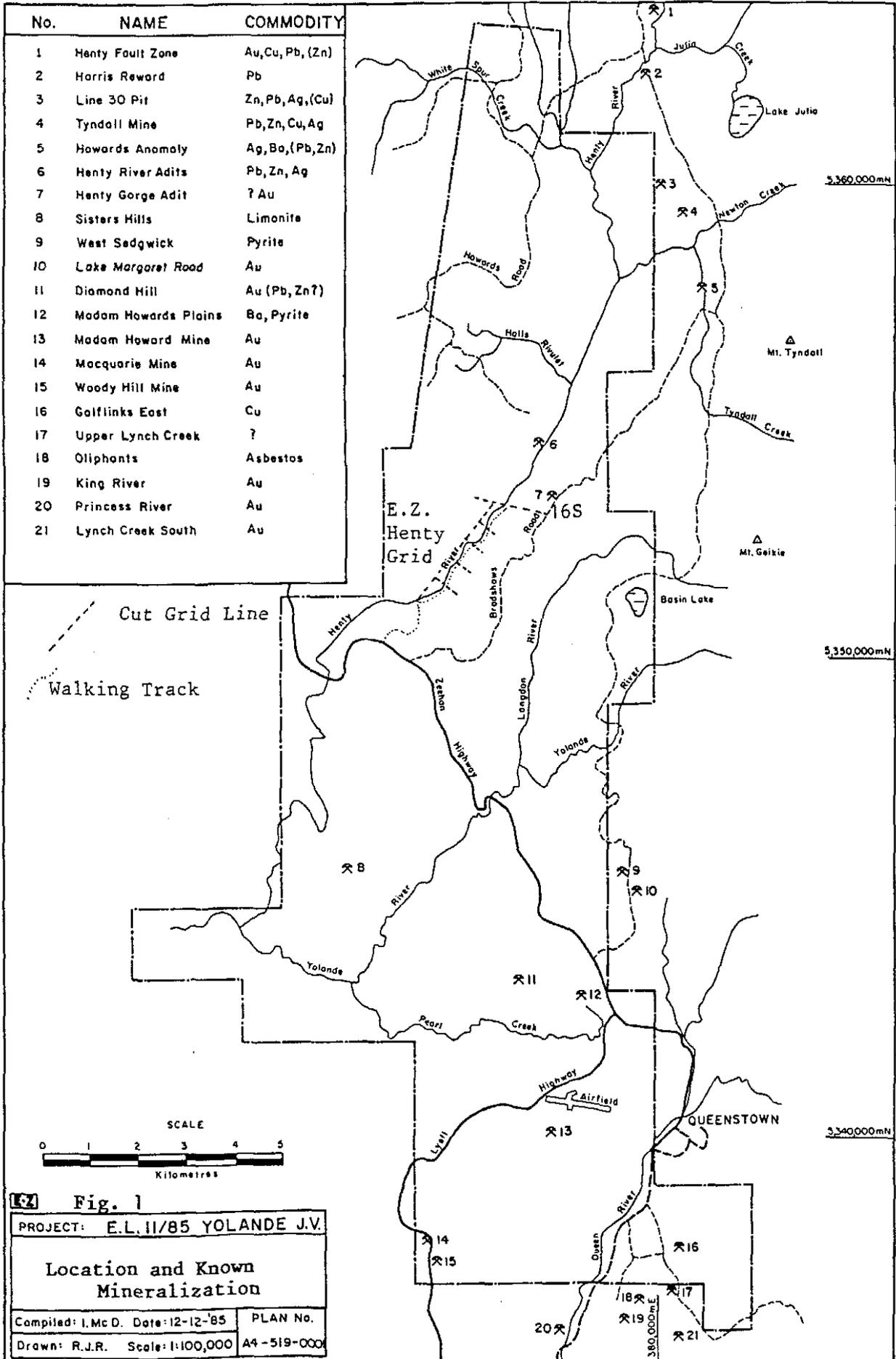


Fig. 1
 PROJECT: E.L. 11/85 YOLANDE J.V.
Location and Known Mineralization
 Compiled: I. Mc D. Date: 12-12-85 PLAN No.
 Drawn: R.J.R. Scale: 1:100,000 A4-519-000

1. INTRODUCTION

1.1. Locations and Access (Fig. 1)

The E.Z. Henty Grid was cut and pegged in 1986 (Mathison, 1986). It consists of a 2.5km base line, and four cross lines. The grid is connected by walking tracks and old logging tracks to the Zeehan Highway and by the old Mt. Lyell line 16S to Bradshaws Road.

In 1987, an additional track was cut along the southern side of the Henty River.

1.2. Vegetation and Topography

The E.Z. Henty Grid was designed to cover part of the South Henty Fault trace along the Henty River Gorge. All slopes are steep and are covered with dense rainforest. All lines cross the Henty River which is frequently too high to cross on foot.

1.3. Regional Geology (Fig. 2)

The Henty Fault Zone is a major NNE trending structure which bifurcates just north of the boundary of E.L. 11/85. The two resulting fault systems are known as the North and South Henty Faults.

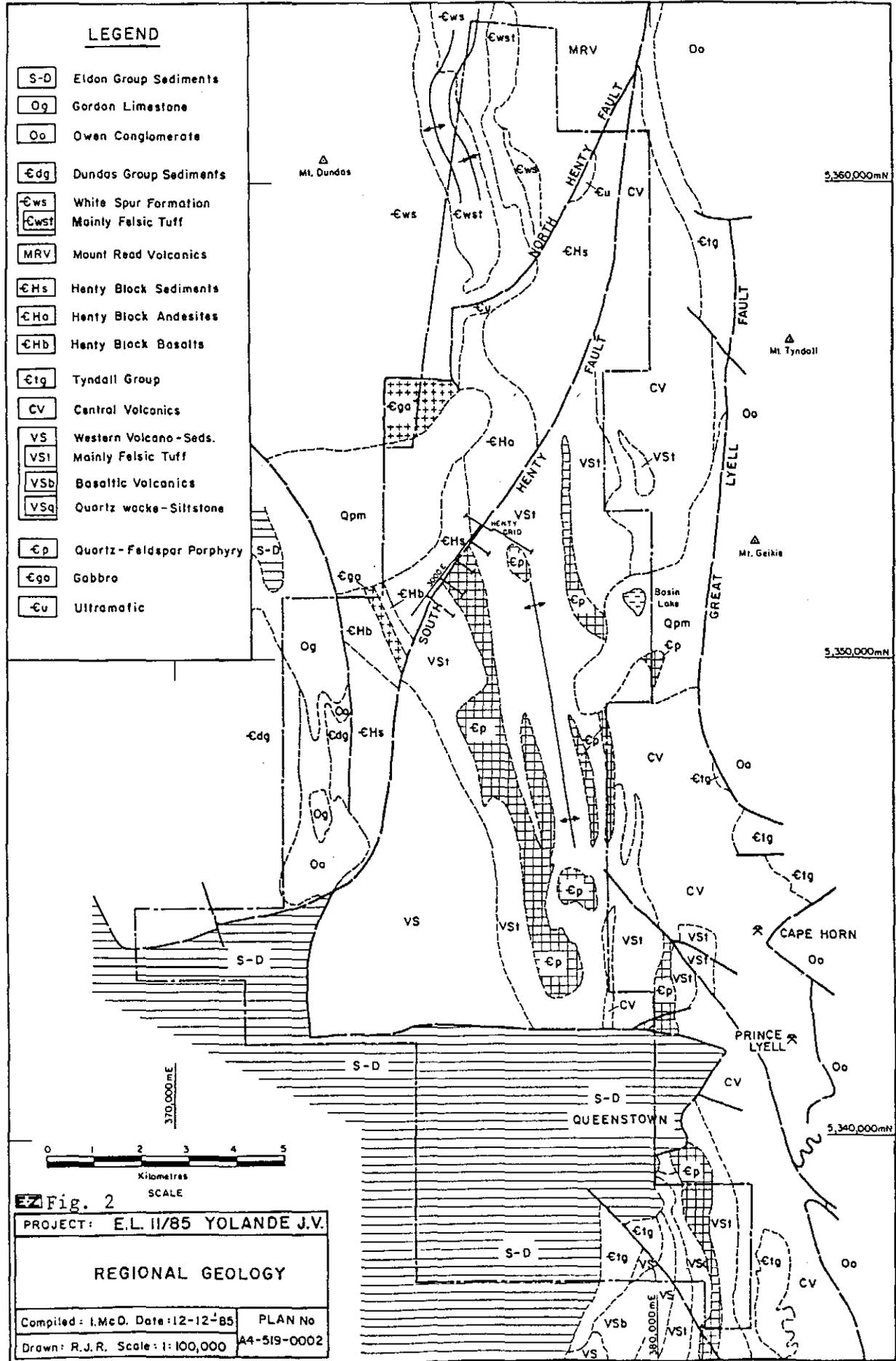
Acid volcanics predominate both north and west of the fault in the Rosebery Block, and also south and east of the fault in the Lyell Block. The sequence between the two faults is a fundamentally different volcano-sedimentary sequence, here called the Henty Fault Block. The rocks within the Henty Fault Block are interpreted to have a close lithological affinity with the Que River Sequence (Corbett, 1984).

1.4. Exploration Philosophy and Targets

E.Z.'s exploration philosophy took a new direction with K. Corbett's proposal for a new definition of the sequence of volcano-sedimentary rocks that exists between North and South Henty Faults. This sequence, known here as the H.F. Sequence, was ascribed to the unprospective Western Sequence until Corbett (1984) suggested that this unit may be a remnant of an ocean floor sequence largely consumed by subduction under converging plate boundaries. The Henty Fault must then be interpreted as a suture zone between the Lyell and Rosebery volcanic arcs.

The andesites, gabbros, basalts and sediments mapped by Corbett in the Henty Fault Block, have a closer lithological affinity with the basaltic andesites and

5 cm



shales of the Que River Sequence than with the rest of the dominantly acidic Mt. Read Volcanic Belt.

This makes the Henty Fault Block Sequence a highly prospective area.

An obvious exploration target within E.L. 11/85 is volcanogenic massive sulphide mineralization after the style which occurs at the Que River and Hellyer.

The presence of disseminated and veinlet galena-sphalerite mineralization within andesitic volcanics and associated sediment some 1km north of line 16S (Henty River Grid) justifies this (Jones, 1985).

Additionally gold has now become a primary target in this area. The mafic volcanics of the Henty Block may be a potential source for gold mineralization remobilized by major fault structures. Significant gold values at the Henty Fault Prospect less than three kilometres north of the E.L. boundary can only place more credibility on gold as a target.

2. WORK COMPLETED

2.1. Geological Mapping & Rock Chip Sampling

The base line, the four cross lines and part of 16S were mapped in detail. Rock chip samples were collected at approximately 60m intervals depending on outcrop, or wherever a major change in rock type occurred. Rock chip samples were submitted to Analabs, Burnie for analysis.

Rock samples were composite chip samples weighing between 2 and 3kg. At the laboratory these were crushed, disked and then split for analysis. Cu, Pb, Zn, Fe and Mn were determined by A.A.S. after mixed acid digestion (Method A.A.S. 103) and Au by fire assay with A.A.S. finish (Method 309). Sample locations were plotted on a base map and all results were copied onto data sheets.

2.2. Soil Geochemistry

'C' horizon soil samples were collected at 20m intervals along the base line, the cross lines, and part of Line 16S. Samples were collected using a hand auger. Duplicate samples were collected from each site - one for analysis and one for later reference. Soil samples were submitted to Analabs, Burnie for analysis. Dried samples were sieved to -80# and the fine fraction was analysed for Cu, Pb, Zn, Fe, Mn by A.A.S. after acid digestion (Method A.A.S. 101), for As by vapour hydride generation (Method A.A.S. 114) and for Au by fire assay - A.A.S. finish (Method 309). Results were transferred to data sheets and plotted onto base maps. Cu, Pb, Zn and As results were entered onto an S2020 spread sheet on a Prime computer for eventual statistical analysis. (Software for sophisticated statistical analysis is not yet available.)

2.3. Geophysics

Trial V.L.F. and ground magnetic surveys were carried out over part of the grid and over part of the nearby Anthony Road. These surveys were carried out to test the response of the Henty Fault Zone to these techniques. A brief report was prepared.

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3. RESULTS RECEIVED

3.1. Geology (Figs 3 & 4)

Bradshaws Road Volcano-sedimentary Sequence rocks outcrop on the southeastern side of the South Henty Fault between lines 60,500N and 62,000N. The northeastern side of the South Henty Fault zone consists of a lithologically different volcano-sedimentary sequence assigned the 'H.F. Sequence' as described by Corbett (1984). Both sequences have a general strike trend of N-S until their termination at the South Henty Fault and their termination both north and south with other Cambrian sediments or beneath Quaternary glacial deposits.

Reconnaissance and detailed geological mapping of the grid during March and April, 1987 generally agrees with the subdivisions established by Corbett. However, as mentioned by Mathison (1986), basaltic rocks and microgabbroic intrusives are common within the sediments of the Henty Fault Block. Recent field mapping has confirmed this.

The sequence north-west of the South Henty Fault consists of fossiliferous siltstones and vitric ash, lithic greywacke and volcanic wacke of basic composition. This sequence is intruded by basic igneous rocks which outcrop in major tributaries flowing south-westerly into the Henty River.

A brecciated basaltic lithic tuff outcrops to the north of these sediments, being exposed where line 16S intersects the Henty River. This unit contains pyrite mineralization of between 5-15%.

Tertiary alluvium and Pleistocene moraine extensively covers large areas of the Henty River Valley floor.

The sequence to the south and east of the South Henty Fault comprises silicified mudstone (interbedded with greywackes and vitric tuffs) and tuffaceous siltstone intruded by quartz feldspar porphyry.

3.2. Mineralization and Alteration

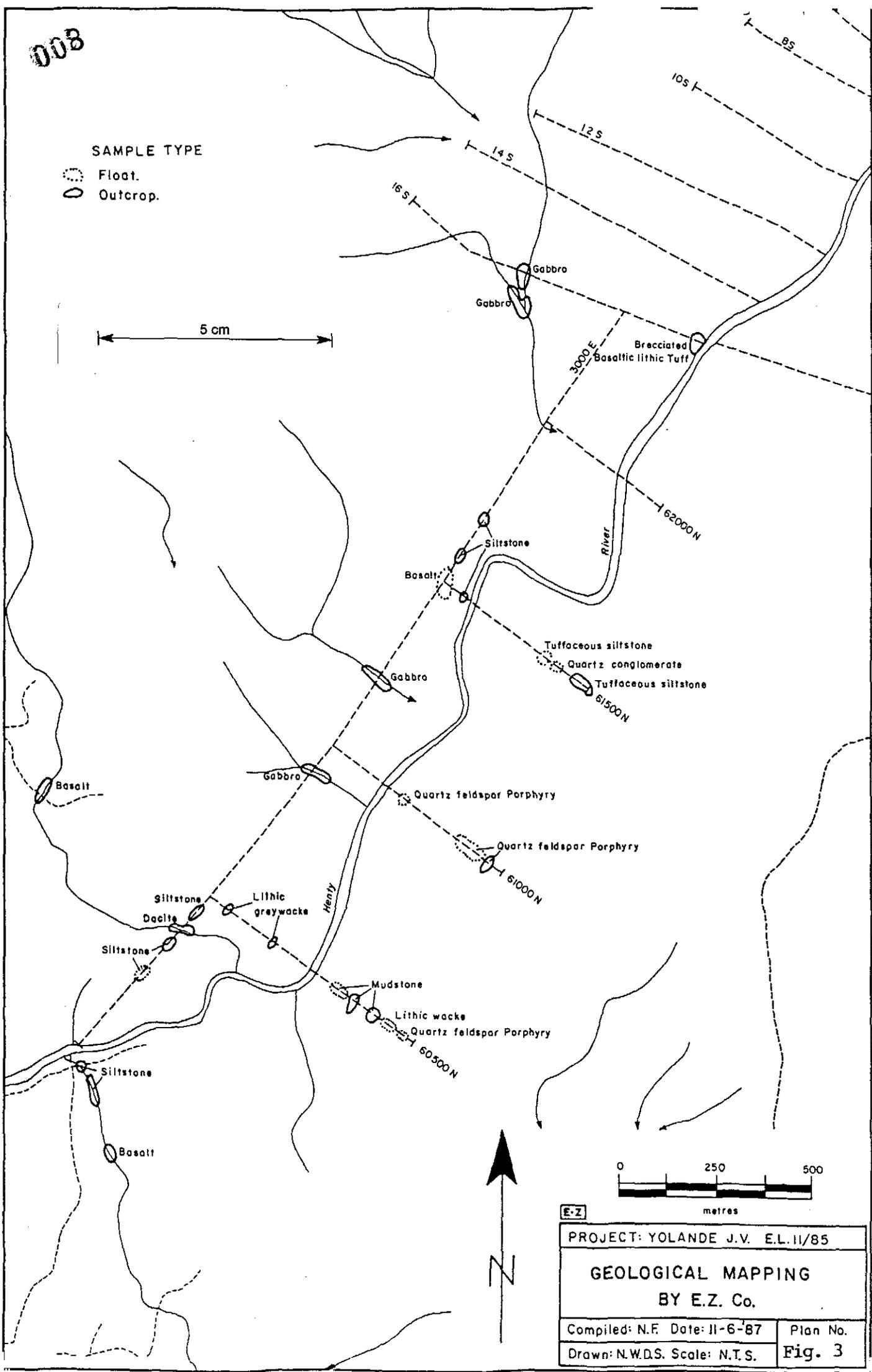
Mineralization has been confined to gabbroic and dacitic intrusives on the western side of the South Henty Fault. An altered dacite contains disseminated fine grained pyrite whilst a gabbro further north east along the base line has traces of hypogene Fe sulphides and rare chalcopyrite.

No mineralization is visible in the sediments of the Henty Fault Sequence nor those sediments of the Bradshaws Road Sequence.

008

SAMPLE TYPE
 ○ Float.
 ⊖ Outcrop.

5 cm



PROJECT: YOLANDE J.V. E.L.11/85	
GEOLOGICAL MAPPING BY E.Z. Co.	
Compiled: N.F. Date: 11-6-87	Plan No.
Drawn: N.W.D.S. Scale: N.T.S.	Fig. 3

009

LEGEND

QUATERNARY

- Qg glacial deposits.
- Qa alluvial deposits.

CAMBRIAN

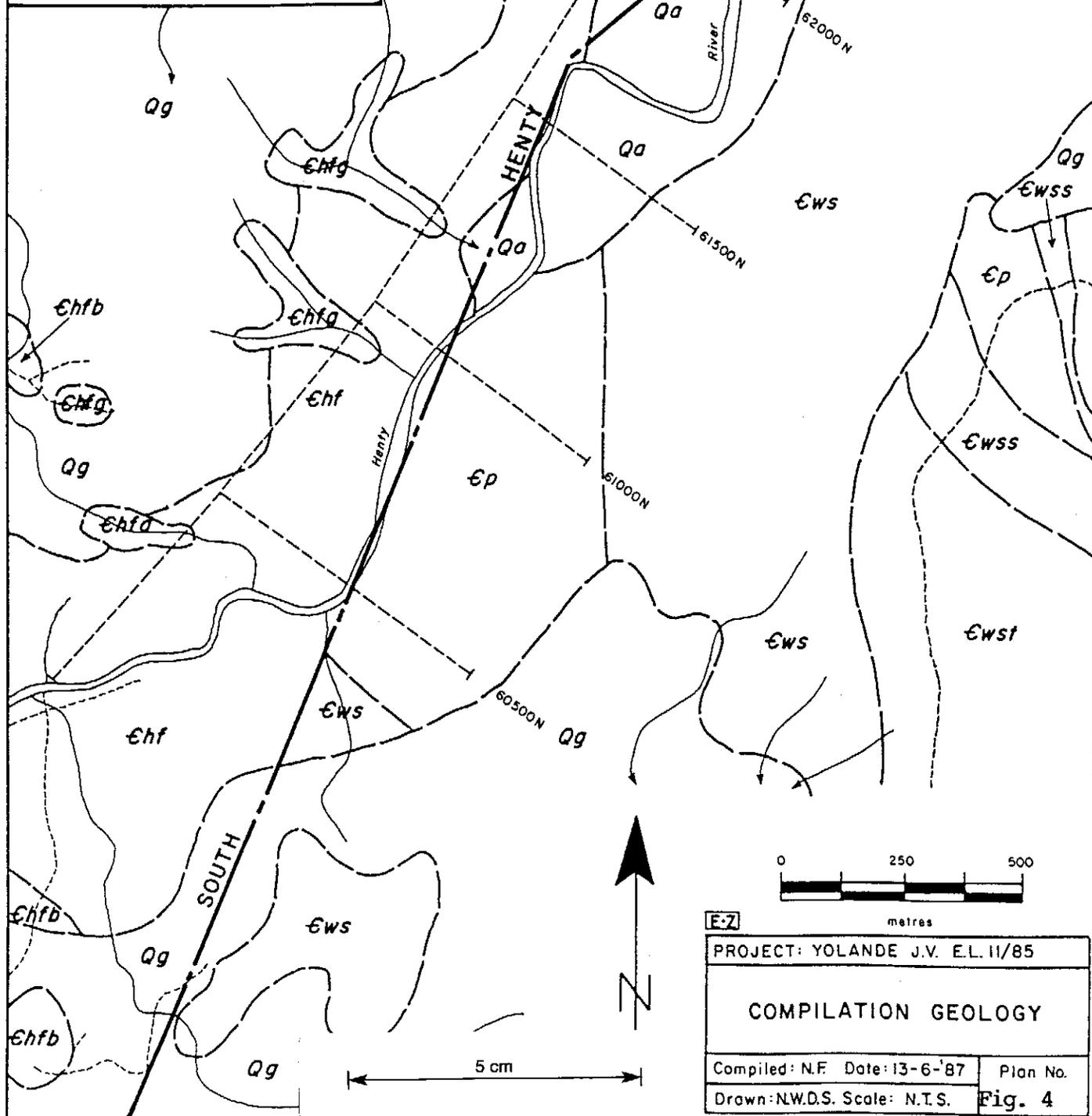
Henty Fault Zone Sequence

- Ehf b basalt & basaltic lithic tuff.
- Ehf g gabbro & microgabbro.
- Ehf d dacite.
- Ehf a andesitic volcanics.
- Ehf f interbedded lithic wacke, mudstone and siltstone.
- Ehf t felsic tuff.

Western Volcano-Sedim. Sequence

- Ews siltstone, mudstone and tuffaceous sediments.
- Ep quartz feldspar porphyry.
- Ewss interbedded siltstone and shale.
- Ewst felsic pyroclastics.

Modified after Geol. Surv. Tasm. - Dept. Mines.
Map 3. Geology of the Henty River - Mt. Read Area.



Diamond drilling by the Mines Department at BR1 some 800m south of the Henty River grid base line resulted in reports of scattered veinlets, films and disseminations of pyrite throughout the sequence, however no significant mineralization was reported by Corbett, 1985.

Disseminated and veinlet galena-sphalerite mineralization as reported by Jones, 1985 occurs in andesitic volcanics and associated sediments about 1km north of line 16S.

Significant gold values have also been reported from the Henty Fault Zone Prospect some 3 km north of the E.L. boundary.

Four phases of alteration have been recognized in rocks of the Henty River Grid namely chlorite and albite, silica, carbonate and uralitic alterations (Cowan in Mathison, 1986).

Chloritization, albitization, carbonization and uralitic alterations are generally confined to the basaltic to gabbroic intrusives, whilst a large proportion of the sediments on both sides of the fault zone are silicified and chloritized. Secondary brecciation commonly occurs in outcrop near the fault zone.

3.3. Rock Geochemistry (Plate 1 & Appendix 1)

50 rock samples have so far been collected from the E.Z. Henty Grid and nearby areas. Assay results for all samples, including those previously reported, are listed on data sheets in the Appendix.

Assay results are summarized below.

N = 50

Element	Range	Mean	Possibly Anomalous	No. Anomalous
Cu	10- 215	45	> 150	4
Pb	<1- 300	25	> 90	3
Zn	20-1050	115	> 200	4
Fe	0.70-16.00%	5.33%	>10.0%	
Mn	15-2950	610	>2000	5
As*	<1- 38	8		
Au	<0.008-0.032	-	0.032	1

* For As N = 15

Only one sample, 53598, was weakly anomalous for gold. The vast majority of samples reported Au below the level of detection (<0.008 ppm). Several other samples are weakly anomalous in base metals with the highest values

being reported for sample 57389 (Pb 300 ppm, Zn 1050 ppm). This anomalous value and the weakly anomalous group of values on the western section of line 16S require further investigation (see Section 4).

3.4. Soil Geochemistry (Plates 2-5 & Appendix 2)

The results of 222 soil samples are listed in the Appendix. Results for As, Pb, Zn and Cu are plotted on geochemical maps (Plates 2-5). Results are summarized below.

N = 222

Element	Range	Mean	Possibly Anomalous	No. Anomalous
Cu	<5- 175	30	> 160	4
Pb	<5- 200	13	> 80	5
Zn	5- 550	50	> 200	3
As	1- 370	10	> 40	6
Au	<0.008-0.301	<0.008		

Only one sample reported distinctly anomalous gold of 0.301 g/t. This sample was collected from the valley of a medium sized creek and up stream contamination appears likely. This suggestion requires investigation.

Base metal and arsenic values fall into the 'possibly significant' range and will require some limited follow-up. Correlation between elevated Pb and Zn values is good with some support from arsenic.

On the geochemical maps, two small zones of anomalous soil geochemistry can be identified - both on the base line 3000E. The anomalous zone between 60180N and 60340N includes partially overlapping lead-zinc and arsenic anomalies. The second zone at 61240-260N is anomalous in copper, lead and zinc. This zone is also associated with weakly anomalous rock geochemistry.

3.5. Geophysics (See Appendix 3)

Test surveys indicated that the South Henty Fault Zone could be detected by both V.L.F. and ground magnetic surveys. However V.L.F. signals in the Henty Gorge were too weak to be useful over most of the fault trace. Ground magnetics appears the more suitable method for this area.

4. DISCUSSION

Gold values in rock and soil samples from the E.Z. Henty Grid are generally low. The one exception is in possibly transported soil in a creek valley. Rock float samples from this creek system on line 16S are weakly anomalous in base metals. This creek also drains an area with an elliptical photo feature visible on airphotos. This feature is possibly due to a small intrusive body and requires further investigation.

Base metal anomalies on the base line are both associated with unusually igneous rocks. The 61,240N zone occurs beside an altered hybrid gabbro-diorite-granodiorite intrusive while the larger anomaly at 60,250N is association with an altered dacite or quartz andesite. Both of these zones should be tested by additional rock chip sampling, soil sampling and geological mapping.

It is significant that all anomalous geochemical samples were collected from the northwestern side of the South Henty Fault within the volcano-sedimentary units of the Henty Block.

5. CONCLUSIONS

Sampling to date indicates that there is little likelihood that a significant gold or base metal deposit occurs within the area covered by the existing grid. However, anomalous Pb, Zn, As soil geochemistry associated with altered dacitic volcanics suggest some affinities with Que River/Hellyer style mineralization and demands some follow-up. This will not be easy as the topography, vegetation and access to this area are all unfavourable.

The anomalous gold geochemistry should be followed up by pitting and geological reconnaissance up stream. Again this will not be easy.

5. **RECOMMENDATIONS** (E.Z. Henty Grid Area)

Old logging tracks to the western part of the grid area should be cleared and upgraded to 4WD standard.

Two or three lines parallel to line 3000E should be cut at 200m spacings west of line 3000E. These lines should each be 3-4km long.

These lines should be mapped and soil sampled.

Aeromagnetic data for this area should be interpreted in detail in an attempt to define areas of rock alteration.

REFERENCES

COREBETT, K.D., 1984

Geological maps and summary of the Cambrian stratigraphic units and relationships in the Henty River - Williamsford Area.

Unpub. Report - 1984/84 - Tas. Dept. of Mines

COREBETT, K.D., 1985

The Bradshaws Road drill hole through the South Henty Fault Zone, Western Tasmania.

Unpub. Report - 1985/86 - Tas. Dept. of Mines

JONES, P.A., 1985

Yolande Joint Venture - Report on activities to end October, 1985.

Unpub. Report for Cyprus Minerals

MATHISON, I.J., 1986

E.L. 11/85 Yolande - Geochemical sampling of part of the Henty Fault Zone.

Unpub Report T218

APPENDIX 1. - ROCK GEOCHEMISTRY

017

Electrolytic Zinc Co. of A'asia Ltd.
Rosebery, Tas.

ROCK SAMPLE LEDGER

PROJECT: YOLANDE
COLLECTED BY: NF

LOCALITY: E.Z. Henty Grid
DATE: Apr, May 1987

Sample Number	A.M.G.Co-ordinates		Sample Type	Geological Description	Rock-type (Macroscopic)	Thin or Polished Section			Metal Content (p.p.m. unless specified)								
	N	E				T or P	By	Reference	Rock-type (Microscopic)	Cu	Pb	Zn	Fe% Mn	Aw			
57394	61000	3035	FLOAT	QUARTZ-FELDSPAR PORPHYRY					25	15	70	4.05	<0.008				
												325					
57395	61000	3005	FLOAT	QUARTZ-FELDSPAR PORPHYRY					55	15	75	5.50	<0.008				
												565					
57396	60930	3000	RC	BASALT, dark grey-black					15	15	90	4.75	<0.008				
												720					
57397	60500	3000	Float	BASALT and TUFFACEOUS SILTSTONE					85	20	65	7.10	<0.008				
												430					
57398	60440	3000	R.C.	FELDSPATHIC WACKE, v.f.g., gy-gn, wkly clvd.					55	15	85	8.80	<0.008				
												170					
57399	60415	3000	R.C.	LITHIC WACKE, siltstone clasts in vfg matrix					55	20	75	8.00	<0.008				
												575					
57400	60380	3000	R.C.	LITHIC WACKE, v.f.g., gn-gy					75	10	140	11.70	<0.008				
												1550					

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010

Electrolytic Zinc Co. of A'asia Ltd.
Rosebery, Tas.

ROCK SAMPLE LEDGER

PROJECT: YONANDE
COLLECTED BY: MAT, NF

LOCALITY: E.2. Henty grid
DATE: Apr, May 1987

Sample Number	A.M.G.Co-ordinates		Sample Type	Geological Description	Rock-type (Macroscopic)	Thin or Polished Section				Metal Content (p.p.m. unless specified)								
	N	E				T or P	By	Reference	Rock-type (Microscopic)	Cu	Pb	Zn	Fe % Mn	Au				
67790			R.C.	SILTSTONE, pale green and VOLCANIC WACKE, mg, dk ggy						50	20	180	7.10	<0.008				
67791			R.C.	CONGLOMERATE, dark green with int. chert stst, + basic frags in wacke m.						15	5	95	4.95	<0.008				
67792			R.C.	CHERT, jaspery.						25	<1	30	2.25	<0.008				
67793			R.C.	BRECCIA, crush zone of pale green stst frags.						35	10	45	2.10	<0.008				
67794			Float R.C.	BRECCIA, cherty, pale green grey silicified.						30	10	35	1.80	<0.008				
53592	60325	3000	R.C.	SILTSTONE, schistose, grey-black, Fe + Mn oxides.						70	90	110	8.60	<0.008				
53593	60250	3000	R.C.	LITHIC WACKE, v.f.g., grey-black, siliceous, feldspar + lithic fragments						35	30	105	11.00	<0.008				
53594	61500	3460	Gravel Float	BASALT AND TUFFACEOUS SEDIMENT (boulders in creek)						10	10	30	1.55	<0.008				
53595	61500	3395	Gravel Float	CONGLOMERATE, siliceous + siliceous matrix (boulders)						15	5	20	2.10	<0.008				
53596	61500	3355	R.C.	? ACID TUFF, coarse angular quartz in vfg feldspathic matrix						10	10	25	1.30	<0.008				
53597	61500	3260	R.C.	SILTSTONE and MUDSTONE, cream + grey						15	15	40	1.90	<0.008				
53598	61500	3050	R.C.	SILTSTONE, wkly cld, cream-brown, Fe stained + veined.						10	15	25	4.25	0.030				
53599	61500	3010	Float	DOLERITE dk gy - black, crystalline qz veins along joints.						10	10	65	6.05	<0.008				

878019

019

Electrolytic Zinc Co. of A'asia Ltd.
Rosebery, Tas.

ROCK SAMPLE LEDGER

PROJECT: YOLANDE
COLLECTED BY: N.F.

LOCALITY: E.Z. Hanley Grid
DATE: Apr-May 1987.

Sample Number	A.M.G.Co-ordinates		Sample Type	Geological Description	Rock-type (Macroscopic)	Thin or Polished Section			Metal Content (p.p.m. unless specified)								
	N	E				T or P	By	Reference	Rock-type (Microscopic)	Cu	Pb	Zn	Fe ₂ O ₃	As			
57379	60500	3640-25	R.C.	? Acid Tuff, angular quartz clasts in buff vfg. siliceous matrix					10	10	20	1.15	<0.008				
												15					
57380	60500	3590-60	Float	FELDSPATHIC WACKE, minor quartz wacke					10	10	25	1.35	<0.008				
												20					
57381	60500	3545	R.C.	MUDSTONE, pale grey, silicified, mnc. qz. vng, irreg. vughs					10	10	20	1.05	<0.008				
												15					
57382	60500	3472	R.C.	SILTSTONE, wkly. clud, grey green, mnc. qz. veining					15	15	95	3.80	<0.008				
												185					
57383	60500	3205-10	Float	LITHIC WACKE, grey-dark grey, matrix with qz, mica, feldspar					45	25	105	7.20	<0.008				
												195					
57384	60500	3085	R.C.	LITHIC WACKE, v.f.g, siliceous, grey-black					55	20	75	6.25	0.008				
												275					
57385	62000	3315	Float	QUARTZITE, spotted from debris flows					10	10	25	2.30	<0.008				
												325					
57386	61770	3000	Float	SILTSTONE, grey-black, mnc. Fe oxides					25	20	110	7.55	<0.008				
												325					
57387	61705	3000	Float	SILTY SANDSTONE, f-mg micaceous, qz vng.					25	5	30	1.75	<0.008				
												75					
57388	61620	3000	R.C.	SILTY SANDSTONE, f-mg, tr. mica, siliceous					10	15	70	7.65	<0.008				
												365					
57389	61235	3000	Float	WEATHERED SEDIMENTARY ROCK					45	300	1050	16.00	<0.008				
												2900					
57390	61140	3000	Float	DOHERITE, v.f.g., green-grey, some Fe oxides					10	25	180	4.60	<0.008				
												690					
57391	61000	3540	R.C.	QUARTZ PORPHYRY, pink, quartz-feldspar matrix					10	15	50	2.60	<0.008				
												140					
57392	61000	3420	Float	QUARTZ-FELDSPAR PORPHYRY, Fe oxides					10	15	90	4.50	<0.008				
												270					
57393	61000	3220	Float	QUARTZ-FELDSPAR PORPHYRY					10	15	90	6.80	<0.008				
												185					

878020

Electrolytic Zinc Co. of A'asia Ltd. Rosebery, Tas.			ROCK SAMPLE LEDGER				PROJECT: YOLANDE		LOCALITY: EZ Henry Grid													
							COLLECTED BY: MAT		DATE: MAR-JUN, 1986													
Sample Number	A.M.G.Co-ordinates		Sample Type	Geological Description	Rock-type (Macroscopic)	Thin or Polished Section				Metal Content (p.p.m. unless specified)												
	N	E				T or P	By	Reference	Rock-type (Microscopic)	Cu	Ag	Pb	Zn	Fe%	Mn	Co	Ni	Cr	As	Ba	Au	Pt
67703			RC	SILTSTONE + VOLCANIC WACKE grey-green							105	40	818	50	160	170	<0.008	<0.008				
											0.5	180	1100	65	21							<0.001
67751			RC	WACKE, dk green-grey, clasts of quartz, siltstone + volcanic rock							15	5	128	10	235	220	x	x				
											x	25	75	20	1							x
67755			RC	SILTSTONE, pale brown, laminated, mnr limonite streaks							10	15	0.70	10	55	225	x	x				
											x	25	20	15	4							x
67758			RC	SILTSTONE dk grey or brown, slight cleavage							115	90	4.53	35	235	360	x	x				
											1.0	210	570	110	38							0.004
67761			RC	?ANDESITE, dk grey, rfg, irregularly cleaved		T	Cowan	CMS	And. Pinite-60		25	563	45	480	210	x	x					
									86/5/25 qz andosite		0.5	95	2000	175	14							0.002
67764			RC	GABBRO, oxidized yellow brown, med. grained (fresh green-grey)		T	"	"	Hybrid Gabbro-25 diorite		30	473	35	275	125	x	x					
											x	115	880	65	x							0.001
67767			RC	?VOLCANIC WACKE, dk green grey, basaltic		T	"	"	And hypersthene µ Gabbro		35	1048	75	300	55	x	x					
											x	460	2000	130	1							0.009
67770			RC	BASALT, dk green grey, feldspar laths 1-3mm, magnetic		T	"	"	tholeiitic qz, µ gabbro		45	40	613	50	165	80	x	x				
											1.0	300	1400	55	6							0.001
67777			RC	BASALTIC EPICLASTIC, dk green grey, pyritic		T	"	"	Basaltic lithic tuff (Radiolaria)		215	10	673	20	95	100	x	x				
											0.5	160	380	40	4							x
67779	16S	2350	FloaT	GABBRO VOLCANIC WACKE & pyritic siltstone							90	55	615									0.008
												130	1350		5							
67783	16S	2400	FloaT	GABBRO f-med. grained, mnr. BASALT, acid VV + QZT							15	10	445									x
												80	855		1							
67784	16S	2500	RC	SILTSTONE, green grey/purple, mnr volcanic wacke.							30	x	1030									x
												170	2000		3							
67785	16S	2550-75	RC	SILTSTONE, volcanic, green grey, mnr volcanic wacke							30	x	835									x
												95	375		9							878021
67786	16S	2600-75	RC	VOLCANIC WACKE, f grained, dark green grey							15	x	680									x
												110	390		4							
67787	16S	2775-800	RC	VOLCANIC WACKE + BASALT, mnr qz veining							10	x	285									x
												50	60		x							x

APPENDIX 2. - SOIL GEOCHEMISTRY

022

E.Z. Co. of A'Asia Ltd.,
ROSEBERY, Tasmania

GEOCHEMICAL SAMPLE DATA SHEET

PROJECT: Yolande
LOCALITY: Henty River
GRID NAME: E.Z. Henty Grid
NOMINAL GRID AZIMUTH:

MATERIAL: Soil - "C" horizon
SAMPLE METHOD: Soil Auger
SAMPLED BY: B. Taylor/N. Rubens
DATE: Apr-June, 1987

SIZE FRACTION ANALYSED: -80#
ANALYSED BY: ANALABS
METHOD: Cu, Pb, Zn, Fe, Mn A.A.S./O
Au - Fire Assay 309

SAMPLE NUMBER	SAMPLE LOCATION DATA				SAMPLE COMPOSITION DATA						Geology	* * * METAL CONTENT (ppm unless specified) *							
	GRID LINE NO.	A.M.G. CO-ORDINATES		DEPTH cm	COLOUR	Clay	Sand Silt	Rock Frags.	Organic	CONTAM.		Cu	Pb	Zn	Ag	Au	Fe	Mn	As
	3000E	NORTHING	EASTING																
67917	60040			110	or bn		80	5	15			35	40	60	<0.008	4.70	150	13	
67918	60060			30	wh gy		50	20	30			10	10	10	<0.008	0.31	10	2	
67919	60080			30	wh gy		30	40	30			5	15	5	<0.008	0.12	10	1	
67920	60100			25	wh gy		40	15	40	5		10	15	5	<0.008	0.25	10	1	
67921	60120			25	pl wh gy		30	20	45	5		10	10	5	<0.008	0.07	10	1	
67922	60140			110	or bn gy		80	10	10			50	30	80	<0.008	8.90	205	34	
67923	60160			110	or bn gy		40	5	30	5		100	40	130	<0.008	9.05	1900	41	
67924	60180			90	or bn		50	5	45			55	40	80	<0.008	8.90	850	51	
67925	60200			60	or bn		40	15	40	5		65	55	85	<0.008	8.55	830	370	
67926	60220			60	or bn		40	25	30	5		95	55	150	<0.008	8.30	700	78	
67927	60240			80	or bn		90	10				15	145	275	<0.008	1200	3250	66	
67928	60260			30	pl bn		80	15	5			55	55	110	<0.008	7.60	350	19	
67929	60280			30	or bn		90	10	5			30	35	50	<0.008	5.85	165	20	
67930	60300			30	gy wh		30	10	40	20		10	20	10	<0.008	1.15	110	6	
67947	60320			60	pl bn		60	20	10			50	140	145	<0.008	5.15	190	46	
67948	60340			90	or bn		90	10	10			110	170	245	<0.008	1200	565	26	
67949	60360			45	or bn		70	20	10	5		100	5	30	<0.008	6.35	135	13	
67950	60380			60	or bn		90	10	10			15	45	70	<0.008	6.10	2000	12	
67951	60400			70	or bn		60	30	5			130	135	55	<0.008	9.75	3550	19	
67952	60420			70	or bn		70	20	5			30	45	15	<0.008	4.15	145	8	
67953	60440			60	or bn		60	10	20	10		35	45	25	<0.008	5.70	110	8	
67954	60460			50	gy wh or bn		60	40	10			25	45	35	<0.008	5.95	90	13	
67955	60480			50	or bn		50	30	20			15	45	20	<0.008	3.90	90	7	
67956	60500			60	or bn		80	20				40	45	65	<0.008	8.00	270	13	
67957	60520			70	or bn		90	10				55	45	100	<0.008	1130	230	18	
67958	60540			60	or bn		80	20	10			35	45	50	<0.008	6.00	335	22	
67959	60560			70	or bn		80	20				30	45	60	<0.008	4.40	190	18	
67960	60580			50	or bn		80	20				30	45	70	<0.008	5.30	165	18	
67961	60600			50	or bn		90	10				20	45	35	<0.008	3.70	75	8	
43791	60620			40	dk or bn		90	10	15	10		30	10	40	<0.008	4.40	65	11	

878023

023

E.Z. Co. of A'Asia Ltd., ROSEBERY, Tasmania
 PROJECT: Yolande
 LOCALITY: Henty River
 GRID NAME: E.Z. Henty Grid
 NOMINAL GRID AZIMUTH:

GEOCHEMICAL SAMPLE DATA SHEET

MATERIAL: Soil - "C" horizon
 SAMPLE METHOD: Soil Auger
 SAMPLED BY: B. Taylor/N. Rubens
 DATE: Apr-June, 1987

SIZE FRACTION ANALYSED: -80#
 ANALYSED BY: ANALABS
 METHOD: Cu, Pb, Zn, Fe, Mn A.A.S.
 Au - Fire Assay 309

SAMPLE NUMBER	SAMPLE LOCATION DATA				SAMPLE COMPOSITION DATA						Geology	METAL CONTENT (ppm unless specified)							
	GRID LINE NO.	A.M.G. CO-ORDINATES		DEPTH cm	COLOUR	Clay	Sand Silt	Rock Frags.	Organic	CONTAM.		Cu	Pb	Zn	Ag	Au	Fe	Mn	As
	31000 E	NORTHING	EASTING																
43783	610660			45	ltbn	610202	tr					20	10	30	0.017	335	115	110	
43784	610680			35	ltbn	510104	tr					15	10	30	<0.008	505	190	12	
43785	610700			40	ltorbn	610530	tr					10	5	30	<0.008	570	110	13	
43786	610720			50	orbn	90218	tr					20	5	30	<0.008	700	115	11	
43787	610740			140	khbn	92070	5					50	5	95	<0.008	520	1590	8	
43788	610760			90	khlor	107020	tr					20	10	60	<0.008	550	110	13	
43789	610780			80	orbn	90	10					25	5	80	<0.008	425	165	7	
43790	610800			40	bnlor	4402020	15					10	10	30	<0.008	430	225	7	
43791	610820			25	bnlor	403010	10					20	5	25	<0.008	390	140	7	
43792	610840			25	gyltrwt	56030	5					45	10	10	<0.008	1105	100	3	
43793	610860			70	orbn	6530	tr					25	45	50	<0.008	780	400	15	
43794	610880			40	orbn	502515	10					50	5	40	<0.008	600	255	5	
43795	610900			40	orbn	801010	tr					30	45	55	<0.008	540	160	8	
43796	610920			50	orbn	603010						10	10	55	<0.008	305	315	4	
43797	610940			40	orbn	601520	5					45	10	105	<0.008	610	800	6	
43798	610960			35	bnlor	302020	30					60	45	50	<0.008	505	235	7	
43799	610980			55	bnlor	801010	tr					30	15	40	<0.008	540	135	5	
43800	611000			60	orbn	702010						20	5	40	<0.008	390	90	5	
44201	611020			60	orbn	801010	tr					40	45	80	<0.008	520	250	7	
44202	611040			30	gnlorbn	5102515	10					60	45	175	<0.008	585	530	6	
44203	611060			70	orbn	701010	10					90	45	90	<0.008	710	475	4	
44204	611080			50	btlorbn	90110	tr					85	45	80	<0.008	665	350	4	
44205	611100			40	orbn	404015	5					85	5	100	<0.008	780	720	6	
44206	611120			90	btlorbn	701020	tr					30	45	155	<0.008	915	650	6	
44207	611140			60	orbn	94701515						50	45	110	<0.008	850	370	6	
44208	611160			60	orbn	701020	5					100	45	90	<0.008	690	310	4	
44209	611180			50	bnlor	80515	tr					95	10	115	<0.008	590	475	4	
44210	611200			45	dklorbn	401030	20					90	5	100	<0.008	650	1050	6	
44211	611240			50	orbn	7051510						75	200	550	<0.008	1200	1450	13	
44212	611260			80	rdlorbn	701010	5					60	90	175	<0.008	1280	560	7	

878024

024

E.Z. Co. of A'Asia Ltd.,
ROSEBERY, Tasmania

GEOCHEMICAL SAMPLE DATA SHEET

PROJECT: Yolande
LOCALITY: Henty River
GRID NAME: E.Z. Henty Grid
NOMINAL GRID AZIMUTH:

MATERIAL: Soil - 5C horizon
SAMPLE METHOD: Soil Auger
SAMPLED BY: B. Taylor/N. Rubens
DATE: Apr-June, 1987

SIZE FRACTION ANALYSED: -80#
ANALYSED BY: ANALABS
METHOD: Cu, Pb, Zn, Fe, Mn A.A.S.
Au - Fire Assay 309

SAMPLE NUMBER	SAMPLE LOCATION DATA				SAMPLE COMPOSITION DATA						Geology	METAL CONTENT (ppm unless specified)								
	GRID LINE NO.	A.M.G. CO-ORDINATES		DEPTH	COLOUR	Clay	Sand Silt	Rock Frags.	Organic	CONTAM.		Cu	Pb	Zn	Ag	Au	Fe	Mn	AS	
	GRID NORTHING	NORTHING	EASTING																	
44214	6113100			75	or rd bn	60	20	15	15		115	5	45	100	<0.008	112	60	194	5	8
44215	6113200			60	or rd bn	90	5	15			175	10	45		<0.008	112	20	51	10	6
44216	6113400			70	or bn	80	10	10			170	5	10		<0.008	111	30	59	5	5
44217	6113600			100	or rd	80	5	10	5		120	5	60		<0.008	111	10	52	5	8
44218	6113800			85	or rd bn	85	5	10			125	10	65		<0.008	111	20	25		8
44219	6114000			105	or bn	80		10			15	5	50		<0.008	85	5	14		6
44220	6114200			90	or bn	80	20				45	5	70		<0.008	81	80	20		6
44221	6114400			90	or bn rd	80	5	15			60	10	60		<0.008	79	5	20		7
44222	6114600			40	or bn	60	30	10			45	5	10		<0.008	57	0	30		4
44223	6114800			55	or bn	70	25	5			45	45	5		<0.008	24	0	25		4
44224	6115000			40	or bn	70	5	15	10		10	10	10		<0.008	37	0	65		5
44228	6115200			80	or bn	60	20	20			30	45	75		<0.008	40	5	41	5	7
44229	6115400			45	or qy	30	30	30	10		35	10	55		<0.008	2	20	22		9
44230	6115600			45	or bn	40	20	20	10		15	10	35		<0.008	90		90		8
44231	6115800			40	or or	50	20	20	10		5	5	20		<0.008	50		50		9
44232	6116000			50	or bn	50	10	20	20		10	45	20		<0.008	40		40		6
44233	6116200			50	or bn	40	10	20	10		20	45	40		<0.008	31	5	31	5	7
44234	6116400			50	or bn qy	70	20	20	10		45	45	15		<0.008	60		60		7
44235	6116600			30	or bn qy	50	20	20	10		45	10	20		0.017	80		80		7
44236	6116800			45	or ar	50	10	20	20		5	5	30		<0.008	105		105		5
44237	6117000			35	or dk	30	25	20	25		10	45	25		<0.008	120		120		5
44238	6117200			80	or qy wt	40	50		10		40	45	10		<0.008	45		45		6
44239	6117400			80	or bn kh	90	15	5	10		15	45	15		<0.008	27	0	35		4
44240	6117600			70	or bn	70	20	10	10		10	45	10		<0.008	27	0	35		4
44241	6117800			45	or bn	70	20	10	10		20	5	40		<0.008	56	0	130		7
44242	6118000			25	or dk bn	50	20	10	20		25	15	45		<0.008	37	0	125		6
44243	6118200			65	or bn kh	20		80			40	15	60		<0.008	29	0	625		13
44244	6118400			65	or bn	80	10	10	10		30	15	60		<0.008	40	0	440		9
44245	6118600			80	or bn	80	20		10		40	45	115		<0.008	39	0	235		6
44246	6118800			50	or bn qy	60	30	20			45	5	30		<0.008	22	0	113	5	5

878025

023

E.Z. Co. of A'Asia Ltd.,
ROSEBERY, Tasmania

GEOCHEMICAL SAMPLE DATA SHEET

PROJECT: Yolande
LOCALITY: Henty River
GRID NAME: E.Z. Henty Grid
NOMINAL GRID AZIMUTH:

MATERIAL: Soil - "C" horizon
SAMPLE METHOD: Soil Auger
SAMPLED BY: B. Taylor/N. Rubens
DATE: Apr-June, 1987

SIZE FRACTION ANALYSED: -80µ
ANALYSED BY: ANALABS
METHOD: Cu, Pb, Zn, Fe, Mn A.A.S.
Au - Fire Assay 309

SAMPLE NUMBER	SAMPLE LOCATION DATA				SAMPLE COMPOSITION DATA						Geology	* * * METAL CONTENT (ppm unless specified) *								
	GRID LINE NO.	A.M.G. CO-ORDINATES			DEPTH	COLOUR	Clay	Sand Silt	Rock Frags.	Organic		CONTAM.	Cu	Pb	Zn	Ag	Au	Fe	Mn	AS
	GRID NORTHING	NORTHING	EASTING																	
44248	611920				45	orbn	70	20	10	Ar		15	5	150		<0.008	520	295	7	
44249	611940				40	orbn	80	15	5	Ar		25	10	25		<0.008	340	125	6	
44250	611960				20	bnkh	20	15	15	50		5	15	25		<0.008	225	105	9	
44251	611980				50	orbn	80	20	20	5		15	10	45		<0.008	380	115	7	
44252	612000				60	brgr	20	70	20	5		20	20	90		<0.008	215	570	8	

878026

026

E.Z. Co. of A'Asia Ltd.,
ROSEBERY, Tasmania

GEOCHEMICAL SAMPLE DATA SHEET

PROJECT: Yolande
LOCALITY: Henty River
GRID NAME: E.Z. Henty Grid
NOMINAL GRID AZIMUTH:

MATERIAL: Soil - "C" horizon
SAMPLE METHOD: Soil Auger
SAMPLED BY: B. Taylor/N. Rubens
DATE: Apr-June, 1987

SIZE FRACTION ANALYSED: -80#
ANALYSED BY: ANALABS
METHOD: Cu, Pb, Zn, Fe, Mn A.A.S./0/
Au - Fire Assay 309

SAMPLE NUMBER	SAMPLE LOCATION DATA				SAMPLE COMPOSITION DATA							Geology	METAL CONTENT (ppm unless specified)							
	GRID LINE NO.		A.M.G. CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	CONTAM.		Cu	Pb	Zn	Ag	Au	Fe	Mn	As
	GRID EASTING	NORTHING	EASTING	NORTHING																
44264	2775				40	wtr		580	20			5	<5	5		<0.008	0.12	5	2	
44265	2800				60	wtrgybn		550	20	10		10	<5	25		<0.008	0.11	5	2	
44266	2825				80	wtrgybn		1050	40			5	<5	10		<0.008	0.09	<5	2	
44267	2850				40	wtrgn		40	20	20		10	<5	10		<0.008	0.12	5	2	
44268	2875				50	orb		80	10	10		15	20	30		<0.008	1.50	1.55	8	
44269	2900				50	orb		40	20	20		15	<5	50		<0.008	1.95	2.25	6	
44270	2925				60	hor		40	20	20		10	<5	20		<0.008	1.25	2.5	4	
44271	2950				90	or		80	5	20		5	<5	45		<0.008	3.35	10.5	5	
44272	2975				70	orb		80	10	10		10	15	60		<0.008	5.05	1.55	10	
44273	3000				60	orb		50	10	20		15	25	65		<0.008	5.65	2.25	13	
43766	3200				65	bn		20	80			<5	5	25		<0.008	0.42	45	1	
43767	3225				70	orb		90	80	20		5	10	20		<0.008	3.65	30	13	
43768	3250				30	or		90	50	40		<5	5	10		<0.008	1.05	10	3	
43769	3275				25	or		90	50	20	30	<5	<5	10		<0.008	0.33	5	1	
43770	3300				60	gy		40	10	50		<5	<5	5		<0.008	0.13	5	1	
43771	3325				40	wtr		90	30	70		<5	<5	10		<0.008	0.29	5	1	
43772	3350				50	orb		90	60	30	5	5	<5	15		<0.008	0.98	15	2	
43773	3375				60	or		90	50	20	30	<5	<5	10		<0.008	0.85	10	2	
43774	3400				50	rd		bn	90	30	70	<5	<5	10		<0.008	0.93	10	3	
43775	3425				55	orb		80	20			5	<5	25		<0.008	2.85	35	9	
43776	3450				55	orb		90	40	60		<5	<5	75		<0.008	2.85	40	11	
43777	3475				45	orb		90	50	30	20	<5	<5	15		<0.008	1.00	15	4	
43778	3500				50	orb		30	30	30		<5	<5	15		<0.008	2.05	20	5	
43779	3525				50	orb		70	30	30		<5	<5	120		<0.008	2.45	20	6	
43780	3550				50	wor		bn	50	20	10	<5	<5	5		<0.008	0.52	10	2	

878027

027

E.Z. Co. of A'Asia Ltd.,
ROSEBERY, Tasmania

GEOCHEMICAL SAMPLE DATA SHEET

PROJECT: Yolande MATERIAL: Soil - "C" horizon SIZE FRACTION ANALYSED: -80#
 LOCALITY: Henty River SAMPLE METHOD: Soil Auger ANALYSED BY: ANALABS
 GRID NAME: E.Z. Henty Grid SAMPLED BY: B. Taylor/N. Rubens METHOD: Cu, Pb, Zn, Fe, Mn A.A.S. 10/
 NOMINAL GRID AZIMUTH: DATE: Apr-June, 1987 Au - Fire Assay 309

SAMPLE NUMBER	SAMPLE LOCATION DATA			SAMPLE COMPOSITION DATA							Geology	METAL CONTENT (ppm unless specified)									
	GRID LINE NO.	A.M.G. CO-ORDINATES		DEPTH	COLOUR	Clay	Sand Silt	Rock Frags.	Organic	CONTAM.		Cu	Pb	Zn	Ag	Au	Fe	Mn	AS		
	62000 N	GRID EASTING	NORTHING																	EASTING	
44253	3020			50	or		80	10	0	5			15		5	45		<0.008	355	120	7
44254	3040			60	or	bn	40	40	20	10			20		15	85		<0.008	255	515	8
44255	3060			80	dk	bn	10	60	30	tr			25		15	115		<0.008	305	400	11
44256	3080			40	dk	bn	10	70	10	10			30		50	80		<0.008	270	640	11
44257	3100			50	or	bn	60	20	20	tr			20		25	35		<0.008	310	125	6
44258	3120			40	or	bn	80	10	10	tr			25		10	40		0.301	505	115	9
44259	3140			80	kh	bn	40	40	20				25		25	55		<0.008	490	145	8
44260	3160			85	or	bn	60	30	10				20		25	50		<0.008	295	140	16
44261	3180			40	or	bn	70	20	10	tr			20		25	55		<0.008	375	140	18
44262	3200			40	or	bn	50	30	20				25		25	50		<0.008	325	195	16
44263	3220			30	or	bn	60	30	10	10			20		25	70		<0.008	250	105	7
43761	3260			60	rd	or	gn	20	50	20			20		10	55		<0.008	200	170	8
43760	3280			90	or	bn	50	50					20		10	70		0.117	230	135	12
68000	3300			45	or	bn	70	20	5				10		5	10		<0.008	125	10	5
67999	3320			45	gy	bn	40	50	5				5		25	10		<0.008	011	25	1
67998	3340			60	gy		40	60					5		25	5		<0.008	011	25	1
67997	3360			83	gy		50	50					5		5	5		<0.008	010	25	2
67996	3380			68	gy		20	80					25		25	5		<0.008	017	5	1
67995	3400			50	w	gy	30	20	50				25		5	5		<0.008	017	25	2
67994	3420			45	w	gy	50	20	30				5		25	18		<0.008	038	5	1
67993	3440			60	w	gy	40	60	5				25		25	15		<0.008	031	5	1
67992	3460			60	gy		30	20	30	10			5		5	15		0.108	031	5	1

8780028

028

E.Z. Co. of A'Asia Ltd.,
ROSEBERY, Tasmania

GEOCHEMICAL SAMPLE DATA SHEET

PROJECT: ... Yolande
LOCALITY: ... Henty River
GRID NAME: ... E.Z. Henty Grid
NOMINAL GRID AZIMUTH:

MATERIAL: .. Soil ... "C" horizon ..
SAMPLE METHOD: .. Soil Auger
SAMPLED BY: .. B. Taylor/N. Rubens
DATE: .. Apr-June, 1987

SIZE FRACTION ANALYSED: .. -80#
ANALYSED BY: .. ANALABS
METHOD: .. Cu, Pb, Zn, Fe, Mn A.A.S. / O' Au - Fire Assay 309

SAMPLE NUMBER	SAMPLE LOCATION DATA				SAMPLE COMPOSITION DATA						Geology	* * * METAL CONTENT (ppm unless specified) *								
	GRID LINE NO.	A.M.G. CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic		CONTAM.	Cu	Pb	Zn	Ag	Au	Fe	Mn	AS
	61500 N	GRID EASTING	NORTHING	EASTING																
44225	3020				650rbrn	402040						5	10	30		<0.008	445	170	4	
44226	3040				800rbrn	503020						5	<5	20		<0.008	340	145	5	
44227	3060				500rbrn	42080						15	20	50		<0.008	260	660	11	
67962	3120				500rbrn	30705						20	45	50		<0.008	260	555	7	
67963	3140				800rbrn	60405						25	10	55		<0.008	300	865	8	
67964	3160				800rbrn	504010						30	10	50		<0.008	340	655	15	
67965	3180				90brn	94304010	5					20	50	65		<0.008	355	2100	9	
67966	3200				150brn	94304010	5					15	5	70		<0.008	1100	155	4	
67967	3220				90dkbrn	94203050						10	<5	70		<0.008	145	70	5	
67968	3240				700rbrn	94203040						10	<5	90		<0.008	280	115	5	
67969	3260				650rbrn	302040	5					15	<5	55		<0.008	265	130	5	
67970	3280				600rbrn	9470205						10	<5	50		<0.008	40	70	8	
67971	3300				600rbrn	9480105						5	<5	20		<0.008	145	115	3	
67972	3320				400rbrn	502020						5	<5	20		<0.008	140	25	3	
67973	3340				850rbrn	801020	5					5	<5	25		<0.008	305	120	3	
67974	3360				600rbrn	60102010						5	<5	10		<0.008	130	110	11	
67975	3380				600rbrn	402020	5					5	<5	10		<0.008	083	5	11	
67976	3400				700rbrn	rd801020						<5	<5	15		<0.008	200	10	11	
67977	3420				1500rbrn	20580						5	<5	15		<0.008	240	40	12	
67978	3440				750rbrn	40102020						5	<5	15		<0.008	185	20	6	
67979	3460				1600rbrn	501020						5	<5	20		<0.008	120	15	3	

R70610

029

E.Z. Co. of A'Asia Ltd.,
ROSEBERY, Tasmania

GEOCHEMICAL SAMPLE DATA SHEET

PROJECT: Yolande
LOCALITY: Henty River
GRID NAME: E.Z. Henty Grid
NOMINAL GRID AZIMUTH:

MATERIAL: Soil - 20" horizon
SAMPLE METHOD: Soil Auger
SAMPLED BY: B. Taylor/N. Rubens
DATE: Apr-June, 1987

SIZE FRACTION ANALYSED: -80#
ANALYSED BY: ANALABS
METHOD: Cu, Pb, Zn, Fe, Mn A.A.S. 10/
Au - Fire Assay 309

SAMPLE NUMBER	SAMPLE LOCATION DATA			SAMPLE COMPOSITION DATA							Geology	METAL CONTENT (ppm unless specified)							
	GRID LINE NO.	A.M.G. CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	CONTAM.		Cu	Pb	Zn	Ag	Au	Fe	Mn	AS
	GRID EASTING	NORTHING	EASTING																
63665	3020			60brbrbn	75	5	5				35	10	45		<0.08	415	105	5	
63664	3040			60brbrbn	80	5	5				80	35	85		<0.08	725	270	7	
63663	3060			35brbn	60	5	25	10			80	30	90		<0.08	625	725	5	
63662	3080			25brbn	60	0	25	5			20	25	35		<0.08	420	115	6	
63661	3100			45brbrbn	75	10	10	5			20	15	15		<0.08	210	205	6	
63660	3120			50brbn	70	5	25				20	10	115		<0.08	225	35	7	
63659	3140			45cmwrbr	70	10	10	5			15	5	35		<0.08	135	20	5	
67980	3186			45plbn	20	60		10			25	5	50		<0.08	280	355	11	
67981	3200			100plbn	20	70		5			20	<5	50		<0.08	235	705	10	
67982	3220			130949n	80		20				10	<5	60		<0.08	120	75	3	
67983	3240			60brbn	70	20	10				5	<5	20		<0.08	155	20	5	
67984	3260			50brbn	80		10	5			5	<5	20		<0.08	205	115	5	
67985	3280			60brbn	80		10	5			5	<5	15		<0.08	180	110	4	
67986	3300			50brbn	90		5	5			5	<5	40		<0.08	365	40	8	
67987	3320			50brbn	80	10	10	5			5	<5	40		<0.08	205	50	4	
67988	3340			3094bn	40	20	30	10			10	5	35		<0.08	105	150	4	
67989	3360			50brbn	60	20	20				10	<5	40		<0.08	215	465	4	
67990	3380			4094bn	30	30	30	10			10	20	35		<0.08	130	220	6	
67991	3400			50brbn	70		20	10			10	<5	25		<0.08	300	390	7	
63654	3420			50brbn	65	10	20	5			20	15	50		<0.08	275	400	8	
63655	3440			4094bk	70	10	15	5			15	40	15		<0.08	1405	140	8	
63656	3460			50brbn	70	5	20	5			15	25	35		<0.08	240	360	6	
63657	3500			30brbn	75	10		5			10	15	15		<0.08	085	45	5	
63658	3520			30brbn	70	5	5	10			15	30	25		<0.08	130	95	6	

875030

031

E.Z. Co. of A'Asia Ltd.,
ROSEBERY, Tasmania

GEOCHEMICAL SAMPLE DATA SHEET

PROJECT: Yolande
LOCALITY: Henty River
GRID NAME: E.Z. Henty Grid
NOMINAL GRID AZIMUTH:

MATERIAL: Soil - "C" horizon
SAMPLE METHOD: Soil Auger
SAMPLED BY: B. Taylor/N. Rubens
DATE: Apr-June, 1987

SIZE FRACTION ANALYSED: -80#
ANALYSED BY: ANALABS
METHOD: Cu, Pb, Zn, Fe, Mn A.A.S./01
Au - Fire Assay 309

SAMPLE NUMBER	SAMPLE LOCATION DATA				SAMPLE COMPOSITION DATA							Geology	METAL CONTENT (ppm unless specified)								
	GRID LINE NO.	A.M.G. CO-ORDINATES			DEPTH m	COLOUR	Clay	Sand	Silt	Rock Frag.	Organic		CONTAM.	Cu	Pb	Zn	Ag	Au	Fe %	Mn	AS
	60500 N	NORTHING	EASTING	GRID EASTING																	
67931	3640				30	wh/y	30	10	60				5		5	10		<0.008	0.09	2.0	31
67932	3620				35	wh/y	30	20	40	10			5	<5	15		<0.008	0.33	3.0	5	
67933	3600				60	brn/y	40	20	30	10			5	<5	10		<0.008	0.30	5	2	
67934	3580				45	wh/y	50	20	40	10			5	5	20		<0.008	0.39	1.0	4	
67935	3560				70	brn/y	60	70	10	20			10	<5	20		<0.008	0.48	2.0	4	
67936	3540				60	wh/y	40	20	40				5	<5	10		<0.008	0.23	3.0	1	
67937	3520				50	brn/y	50	10	40				5	<5	10		<0.008	0.34	1.0	1	
67938	3500				70	brn	80	10	10	10			5	<5	20		<0.008	2.10	2.5	7	
67939	3480				90	brn	85	10	5				10	<5	15		<0.009	1.65	4.0	7	
67940	3460				100	brn	90		10				10	<5	25		<0.009	2.50	5.0	12	
67941	3440				100	brn	90	5	10				15	<5	45		<0.008	3.30	1.60	10	
67942	3420				90	brn	90	5	5				25	15	30		<0.008	3.65	22.0	9	
67943	3400				45	brn	80		10	10			10	<5	30		<0.008	1.50	1.45	5	
67944	3380				60	brn/y	80		20				15	<5	40		<0.008	1.90	1.10	5	
67945	3360				50	brn/y	80		10	10			5	<5	15		<0.008	1.75	7.0	31	
67946	3340				70	brn/y	80		10	10			10	<5	25		<0.008	2.85	7.0	7	
44289	3310				70	brn/y	20	80		tr			20	15	40		<0.008	2.00	4.20	12	
44288	3300				60	brn/y	60	40		tr			20	20	30		<0.008	2.35	6.0	13	
44287	3280				80	brn	70	30		tr			35	45	70		<0.009	2.85	12.75	16	
44286	3260				100	brn/y	10	90					45	65	100		<0.008	3.20	3.10	15	
44285	3240				100	brn	40	60					35	40	75		<0.008	2.20	14.50	11	
44284	3220				25	brn	60	10	20	10			30	15	35		<0.008	3.35	8.0	16	
44283	3200				40	brn	80	5	10	10			30	5	35		<0.008	4.90	8.0	20	
44282	3180				50	brn	70	10	20				25	5	35		<0.008	4.50	8.5	20	
44281	3160				30	brn	60	10	20	10			35	5	35		<0.008	4.90	2.40	15	
44280	3140				40	brn	80	5	20	10			40	15	45		<0.008	5.75	2.20	17	
44279	3120				30	brn	60	10	40	5			55	35	60		<0.008	6.00	6.15	15	
44278	3100				20	brn/y	50	10	30	10			65	35	95		<0.008	6.65	28.50	20	
44277	3080				80	brn/y	80	10	10	tr			75	15	50		<0.009	0.55	2.65	17	
44276	3060				30	brn	60	10	20	10			35	5	35		<0.008	5.60	2.00	10	

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APPENDIX 3. - GEOPHYSICAL INVESTIGATIONS

HENTY FAULT - E.L. 11/85RECENT GEOPHYSICAL INVESTIGATIONS OF THE HENTY FAULT ZONE

1. PERSONNEL

E.Z. Staff	
Geophysicist - J. Read	2.5 days
Geo. Assistant - S. Capp	1.5 "

2. WORK COMPLETED

2.1 V.L.F.

V.L.F. traverses were complete along the Anthony Road junction test line, plus grid lines 60,500N, 61,000N. A total of 1.4km.

2.2. Magnetics

Magnetic traverses were conducted along the Anthony Road junction test line and grid line 60,500N. A total of 840m.

3. RESULTS

3.1. Aim of Survey

This report documents the recent work conducted during February, 1987 by E.Z. staff on the South Henty Fault Grid.

For some time E.Z. have been interested in accurately determining the position of the South Henty Fault to assist in assessing the mineralisation potential of E.L. 11/85. The recent work concentrated on using magnetics and V.L.F. It was hoped that V.L.F. would detect the contact between intrusive porphyries to the east of the fault and the greywacke sequence to the west. A dip angle V.L.F. response would be expected if this contact represents a conductivity change. Magnetics was used to investigate any magnetic materials that may have formed in the fault zone and map contacts between rocks of differing magnetic susceptibility. Such a change was expected between the Bradshaws Road volcano-sedimentary sequence and the Howards Road volcano-sedimentary sequence. The viability of both methods was tested by a test section at the Anthony Road - Lyell Highway junction where the position of the South Henty Fault has been well constrained by geological mapping (see Fig. 1).

3.2. Test Line Results

A line of 400m length was marked out on the side of the highway at the Anthony Road junction. At this location the South Henty Fault has been mapped at a position corresponding to 220N of the test line. The magnetic field strength curve of Fig. 2 shows a rapid increase in field strength at this position suggesting that the fault is marked by a contact between differently magnetized rocks. The V.L.F. dip angle curve shows an inflection at 120N followed by a series of cross overs upto 260N (see Fig. 2a). This can be interpreted as a sharp edged fault zone of 140m width, most of which is covered by Quaternary Gravels. At this site both methods gave promising results.

3.3. V.L.F. Results

As the South Henty Fault in the area of investigation strikes NNE-SSW the Japan V.L.F. station was required to be used. Unfortunately this station could not be received in the base of the Henty Gorge and N.W. Cape had to be substituted, producing degraded results. The V.L.F. results are summarized in Fig. 3.

The dip angle results for line 60,500N may locate the fault at 3,280E (see Fig. 4). The general decrease in dip angle is probably a topographic effect, but this is not certain as the fault has been suggested as being in the base of the valley. Real and topographic effects are therefore difficult to separate.

For line 61,000N the V.L.F. data is very poor (see Fig's 6 and 7) and no conclusions regarding the position of the fault can be made.

3.4. Magnetic Results

Due to equipment failure only one line (60,500N) was traversed with magnetics. This traverse shows a distinct change in character between 3,230E and 3,330E, which is interpreted as representing the fault zone (see Fig. 8). The character change is opposite to that at the test line indicating variability in the fault zone. A variability of the faults magnetic signature is to be expected with differing rock types being thrown into contact along the fault.

4. CONCLUSIONS

The results of this investigation are summarized by the map of Fig. 9.

Due to the weak signal received from the Japan V.L.F. station, V.L.F. is not a viable method for locating the South Henty Fault Zone. Conversely magnetics does appear to locate the fault zone and a larger magnetic survey should be undertaken. Before this survey is commenced the grid lines in the north of the area will require investigation and re-pegging in some cases.

Jeremy Read

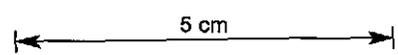
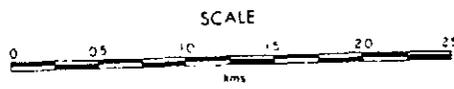
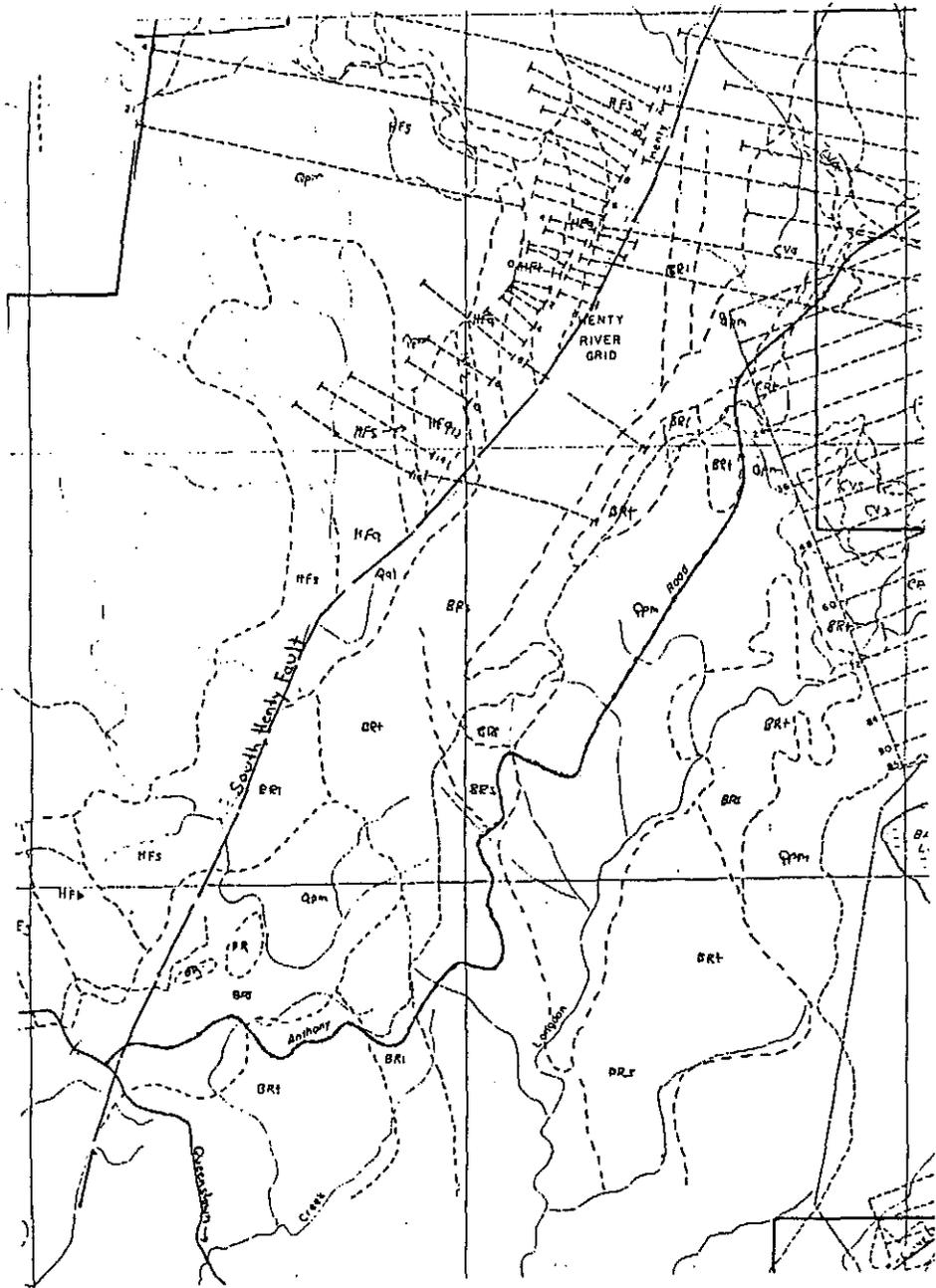
Jeremy Read.

Attachments:

23rd February, 1987

JR/amd

figure 1



Henty Mag Test Line

Anthony Rd. Junction

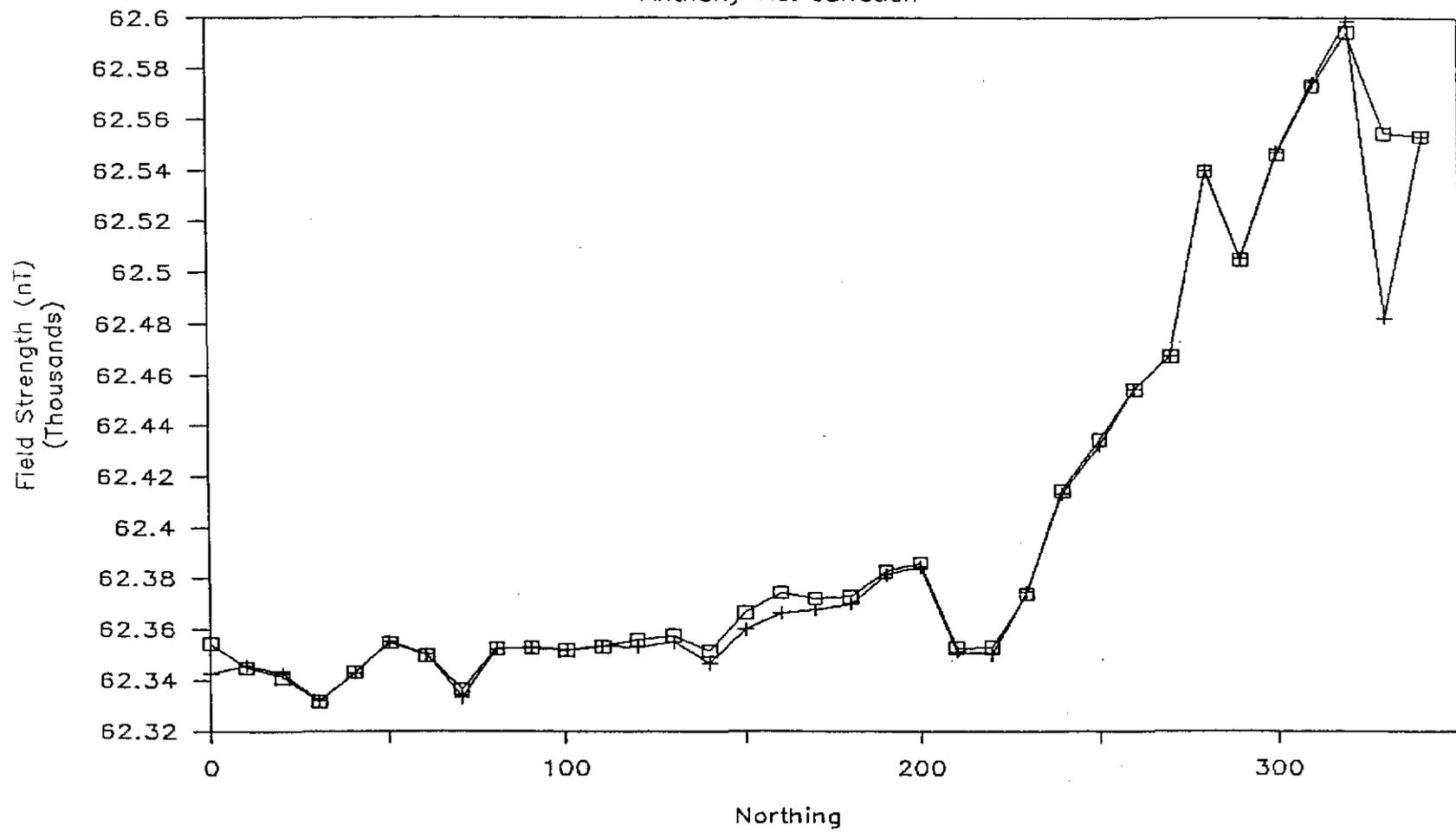


figure 2.

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037

Henry Grid Test VLF Line Anthony Rd - Harri Highway Junction
Stn - N.W. Cape

4/3/27

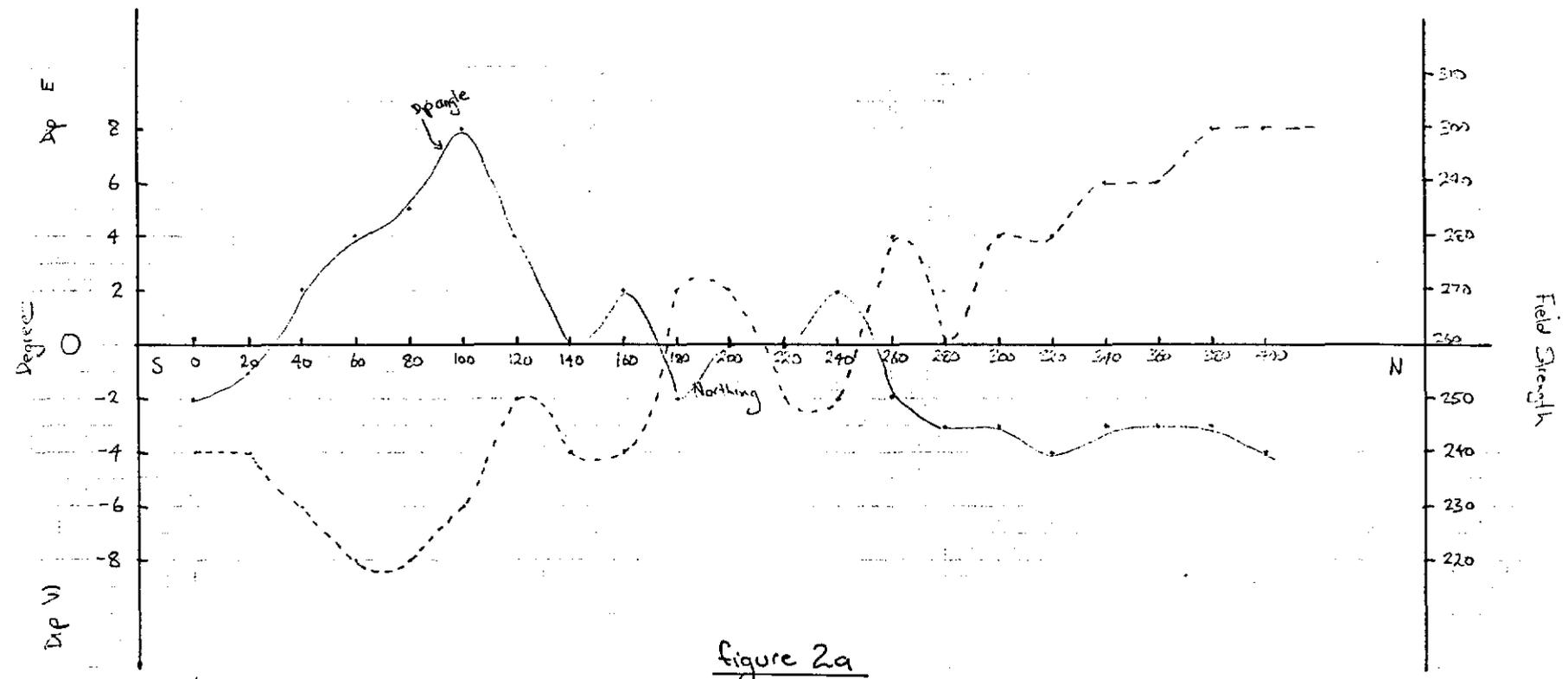


Figure 2a

Henty Grid VLF

Northing	Easting	Dip (N or E +ve)	Field Strength	Station
60500	30000	12	240	N.W. Cape
60500	30200	13	240	N.W. Cape
60500	30400	16	240	N.W. Cape
60500	30600	10	220	N.W. Cape
60500	30800	13	220	N.W. Cape
60500	31000	12	210	N.W. Cape
60500	31200	9	210	N.W. Cape
60500	31400	8	220	N.W. Cape
60500	31600	7	200	N.W. Cape
60500	31800	4	190	N.W. Cape
60500	32000	4	190	N.W. Cape
60500	32200	2	190	N.W. Cape
60500	32400	2	190	N.W. Cape
60500	32600	1	190	N.W. Cape
60500	32800	0	190	N.W. Cape
60500	33000	-1	190	N.W. Cape
60500	33200	-3	200	N.W. Cape
60500	33400	-3	190	N.W. Cape
60500	33600	-2	180	N.W. Cape
60500	33800	-2	180	N.W. Cape
60500	34000	-2	190	N.W. Cape
60500	34200	-3	180	N.W. Cape
60500	34400	-5	190	N.W. Cape
60500	34600	-4	190	N.W. Cape
60500	34800	-2	190	N.W. Cape
60500	35000	-2	180	N.W. Cape
61000	30000	9	220	N.W. Cape
61000	30200	5	220	N.W. Cape
61000	30400	3	220	N.W. Cape
61000	30600	2	230	N.W. Cape
61000	30800	4	230	N.W. Cape
61000	31000	4	220	N.W. Cape
61000	31200	-2	230	N.W. Cape
61000	31400	-1	240	N.W. Cape
61000	31600	0	230	N.W. Cape
61000	31800	-4	240	N.W. Cape
61000	32000	-3	240	N.W. Cape
61000	32200	-2	240	N.W. Cape
61000	32400	-6	240	N.W. Cape
61000	32600	-3	240	N.W. Cape
61000	32800	0	240	N.W. Cape
61000	33000	-2	230	N.W. Cape
61000	33200	-5	220	N.W. Cape
61000	33400	-5	220	N.W. Cape
61000	33600	-1	240	N.W. Cape
61000	33800	0	250	N.W. Cape
61000	34000	-1	250	N.W. Cape
61000	34200	-4	240	N.W. Cape
61000	34400	-6	240	N.W. Cape
61000	34600	-4	250	N.W. Cape
61000	34800	-4	240	N.W. Cape
61000	35000	-6	230	N.W. Cape

figure 3

Henty Grid VLF

Line 60500N

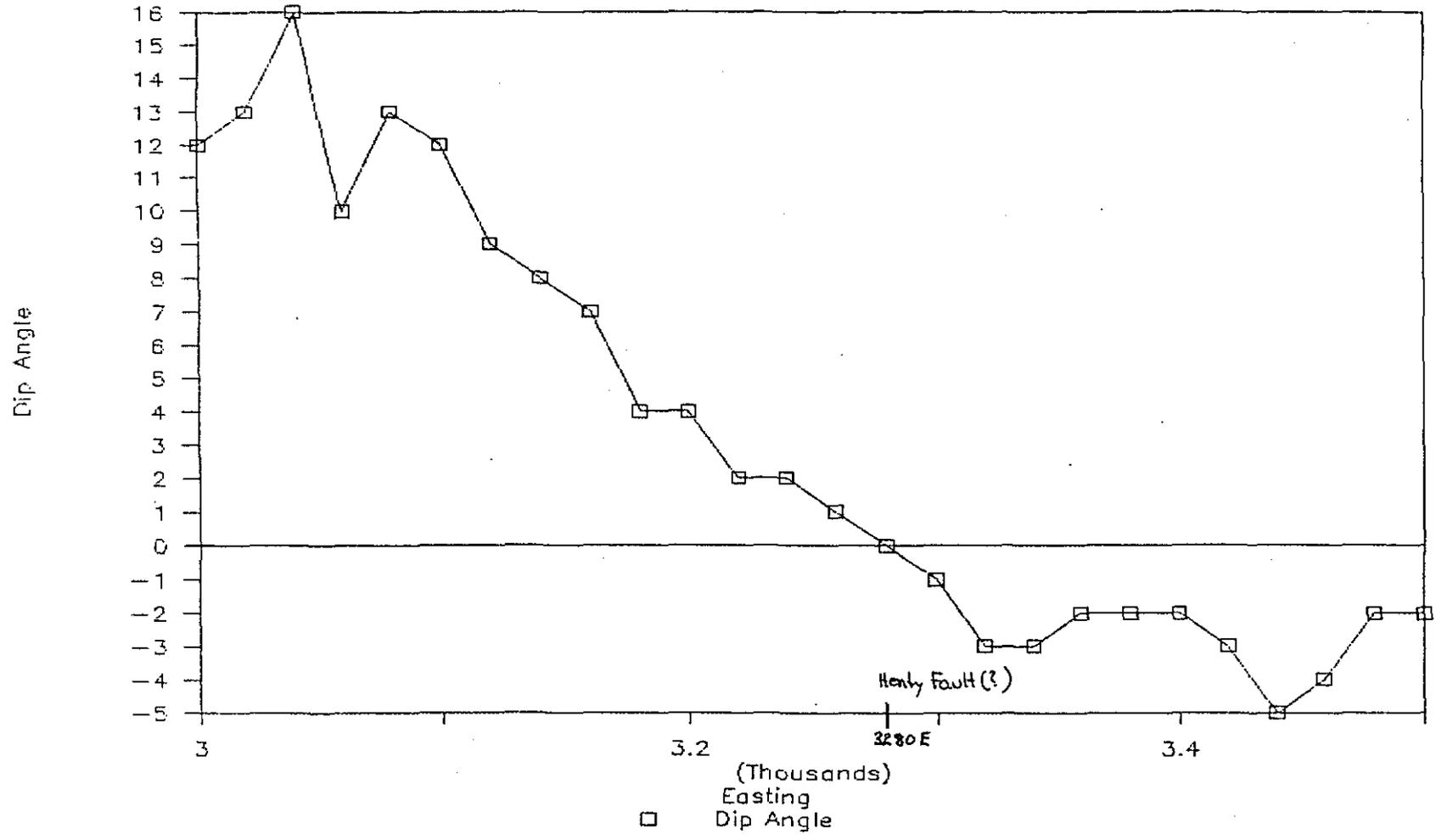


figure 4

Henty Grid VLF

Line 60500N

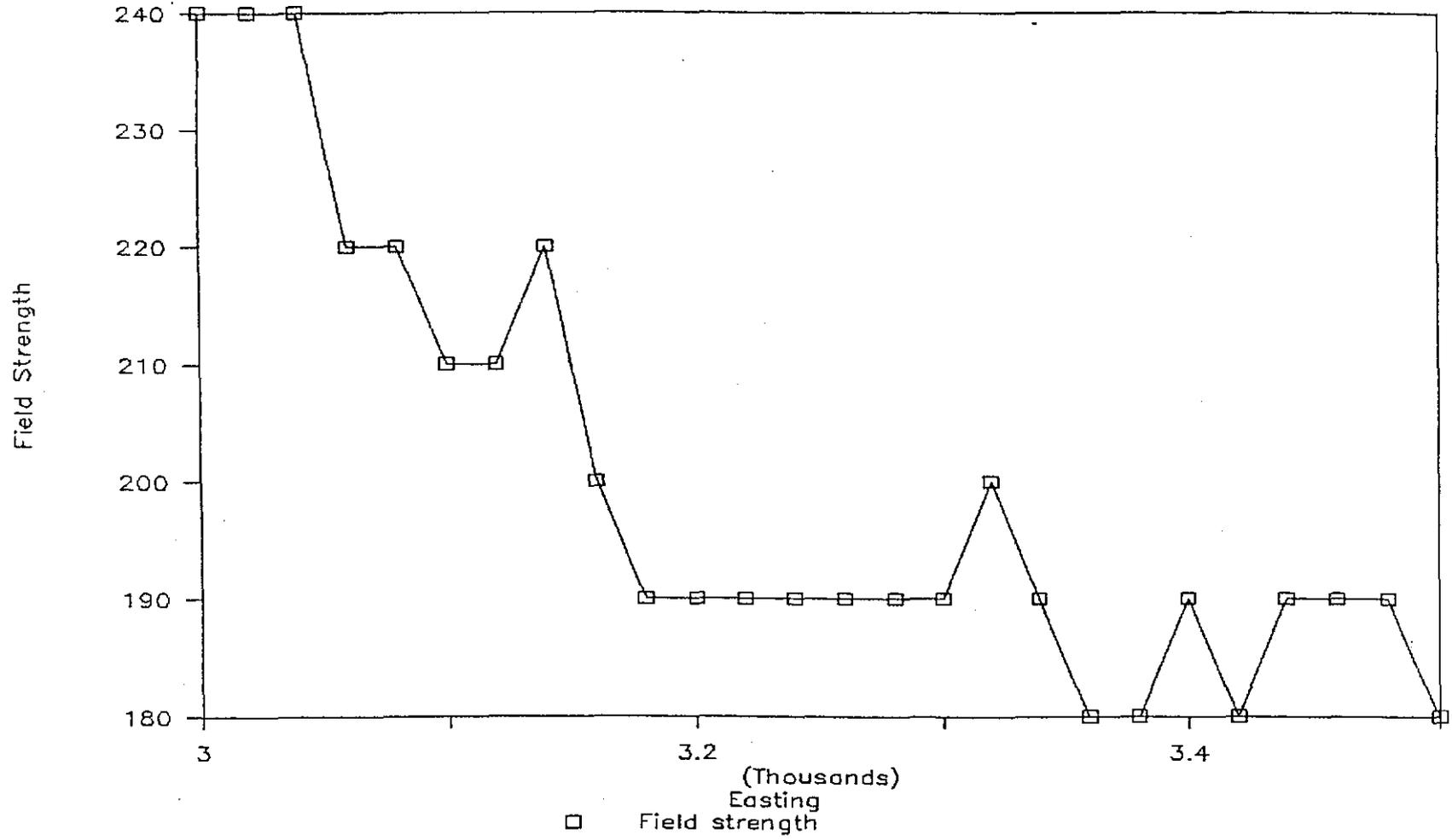


figure 5

Henty Grid VLF

Line 6100N

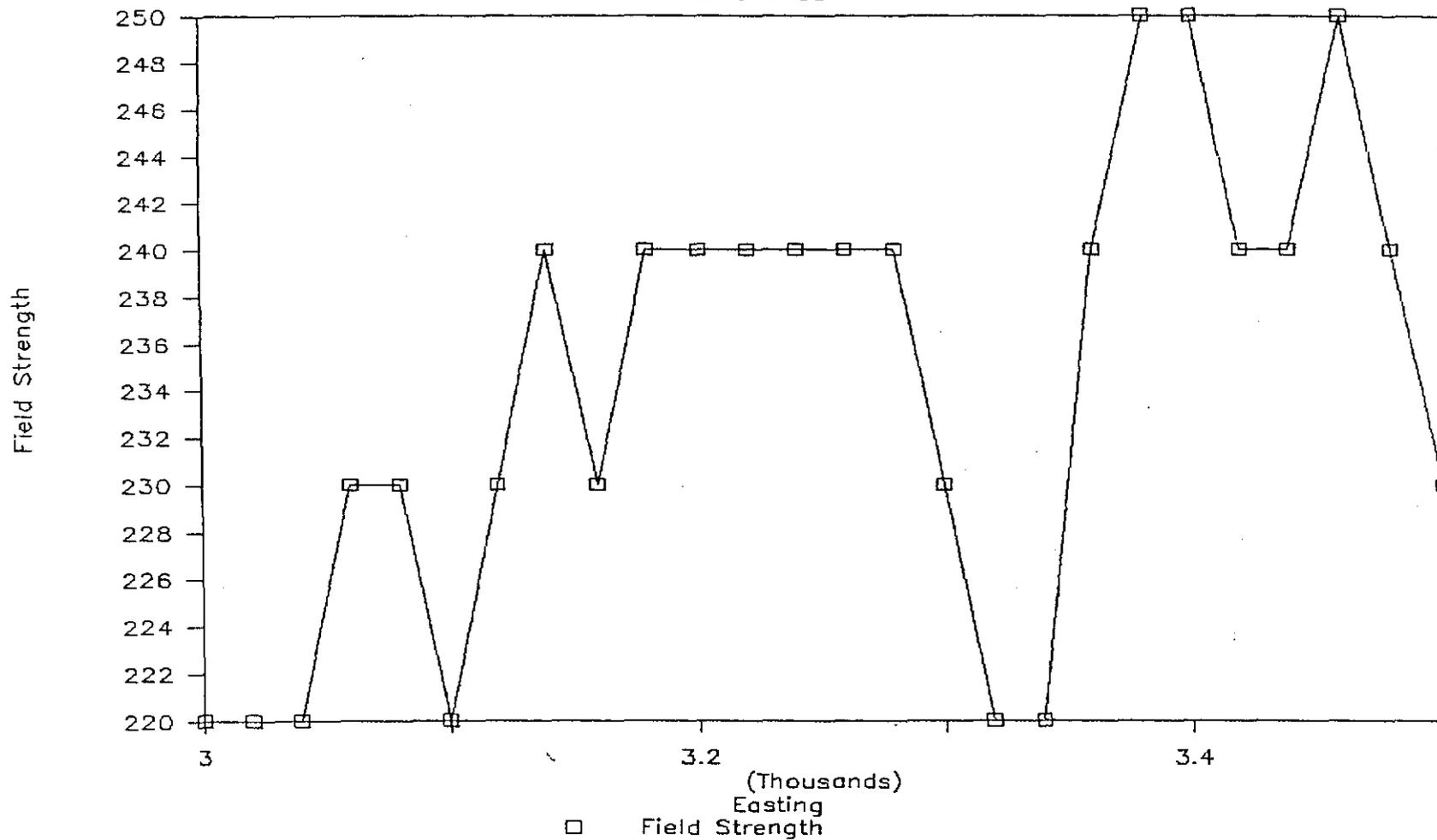


Figure 7

Henty Grid Magnetics

Line 60500N

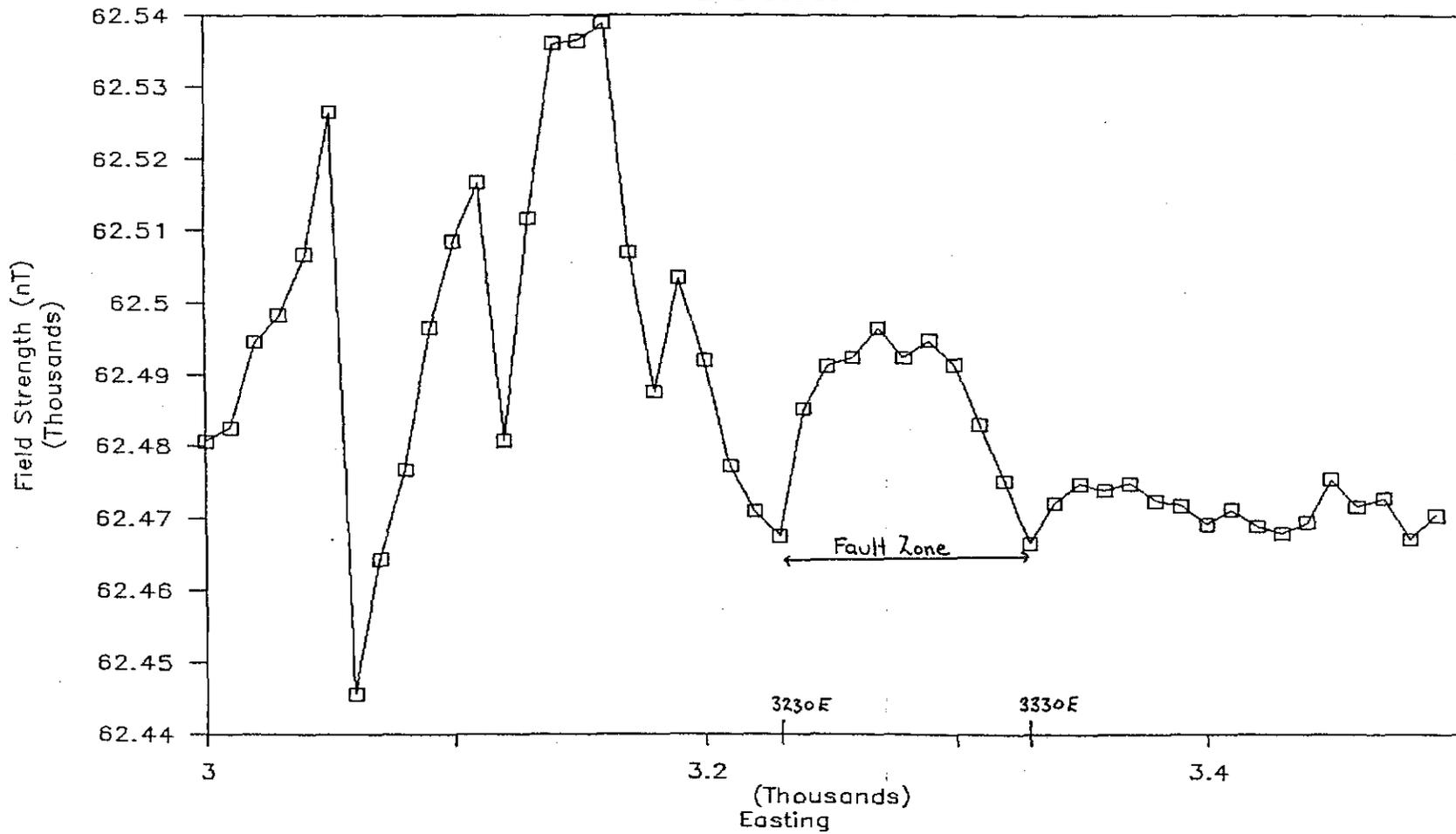
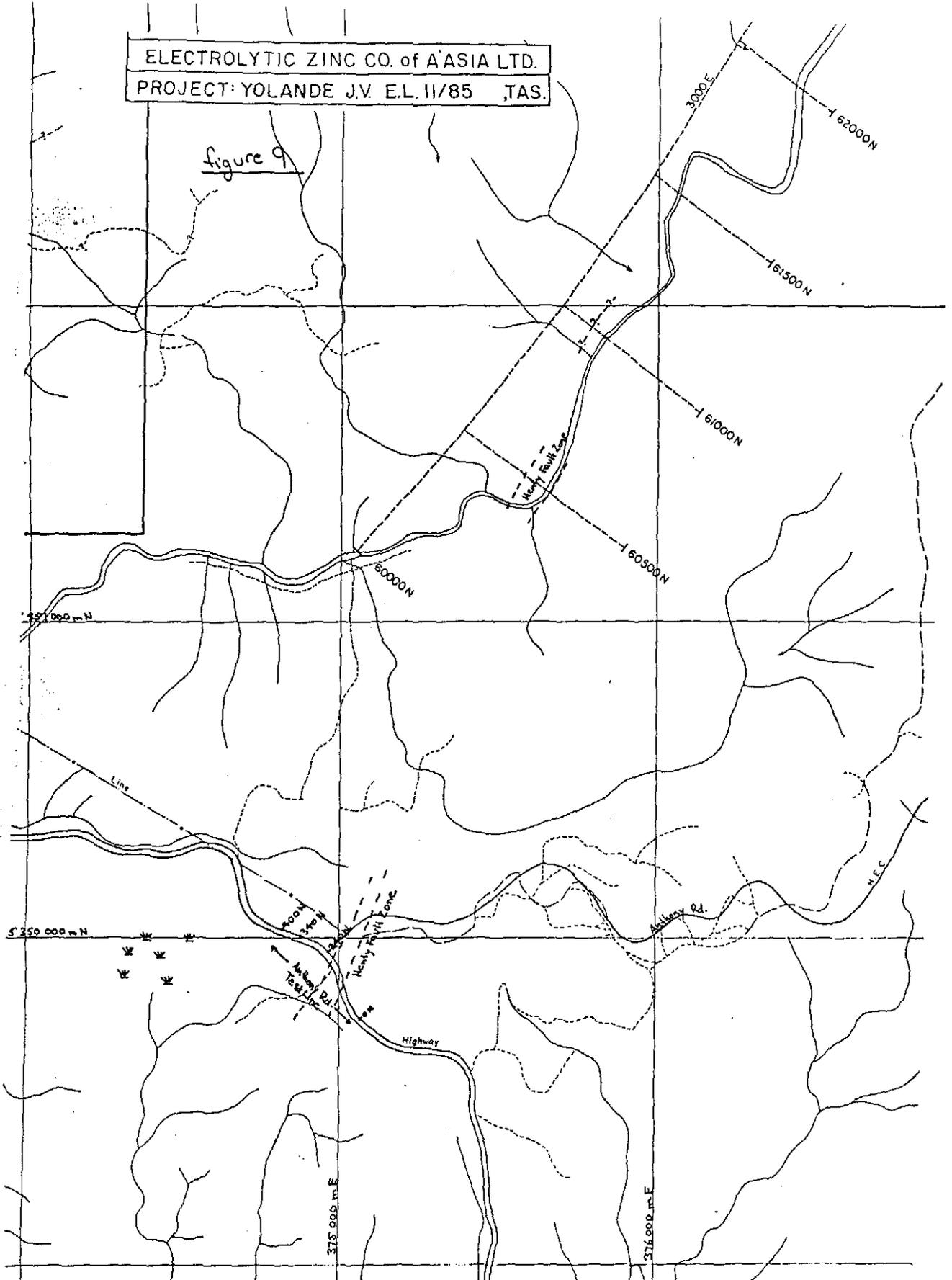


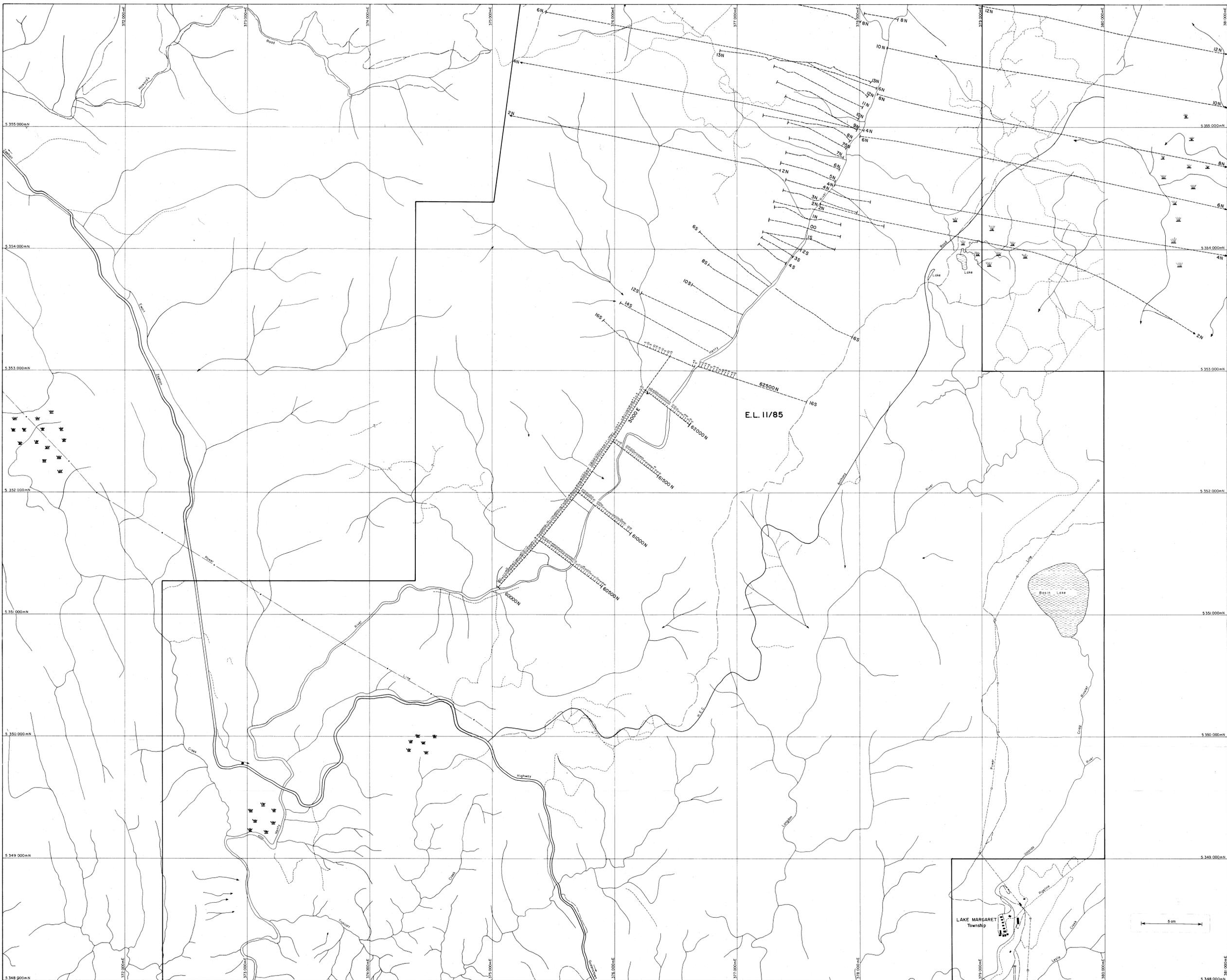
figure 8

044

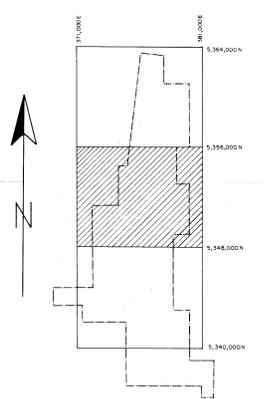
ELECTROLYTIC ZINC CO. of ASIA LTD.
PROJECT: YOLANDE J.V. E.L. 11/85 ,TAS.

figure 9





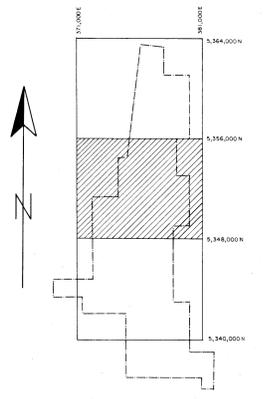
NB - All results are shown as p.p.m.



ELECTROLYTIC ZINC CO. of ASIA LTD.
 PROJECT: YOLANDE J.V. E.L. 11/85 JAS.
 PLATE 2
 SOIL GEOCHEMISTRY
 'C' HORIZON
 87S046 Cu.
 Scale: 1:10,000 Survey: 1.MAT. Revised:
 Reference: Date: 17-8-'87 Ref. No:
 Drawn: W.D.S. Checked: AO-519-0026

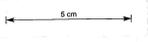


N.B. - All results are shown as p.p.m.



ELECTROLYTIC ZINC CO. of ASIA LTD.
 PROJECT: YOLANDE J.V. E.L. 11/85 JAS.
 PLATE 3 87-2710
 SOIL GEOCHEMISTRY
 'C' HORIZON
 Pb.

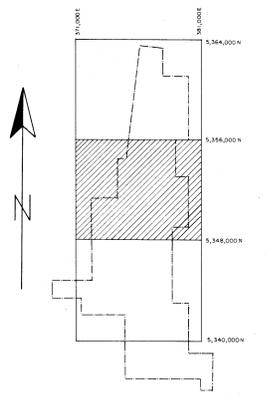
S78047



Scale: 1:10,000	Survey: LMAT	Revised:
Reference: IB-8-87	Date: 8-87	Ref. No.:
Drawn: N.W.D.S.	Checked:	AO-519-0027



N.B - All results are shown as p.p.m.

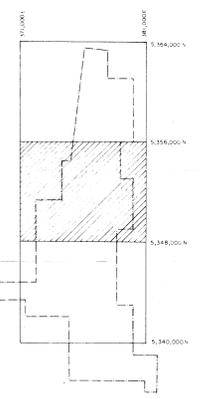


ELECTROLYTIC ZINC CO. of ASIA LTD.
 PROJECT: YOLANDE J.V. E.L. 11/85 J.A.S.
 PLATE 4 87-2710
 SOIL GEOCHEMISTRY
 'C' HORIZON
 878048 Zn

Scale: 1:10,000	Survey: I.M.A.T.	Revised:
Reference:	Date: 18-8-87	Ref. No.
Drawn: N.W.D.S.	Checked:	AO-519-0028



NB - All results are shown as p.p.m.

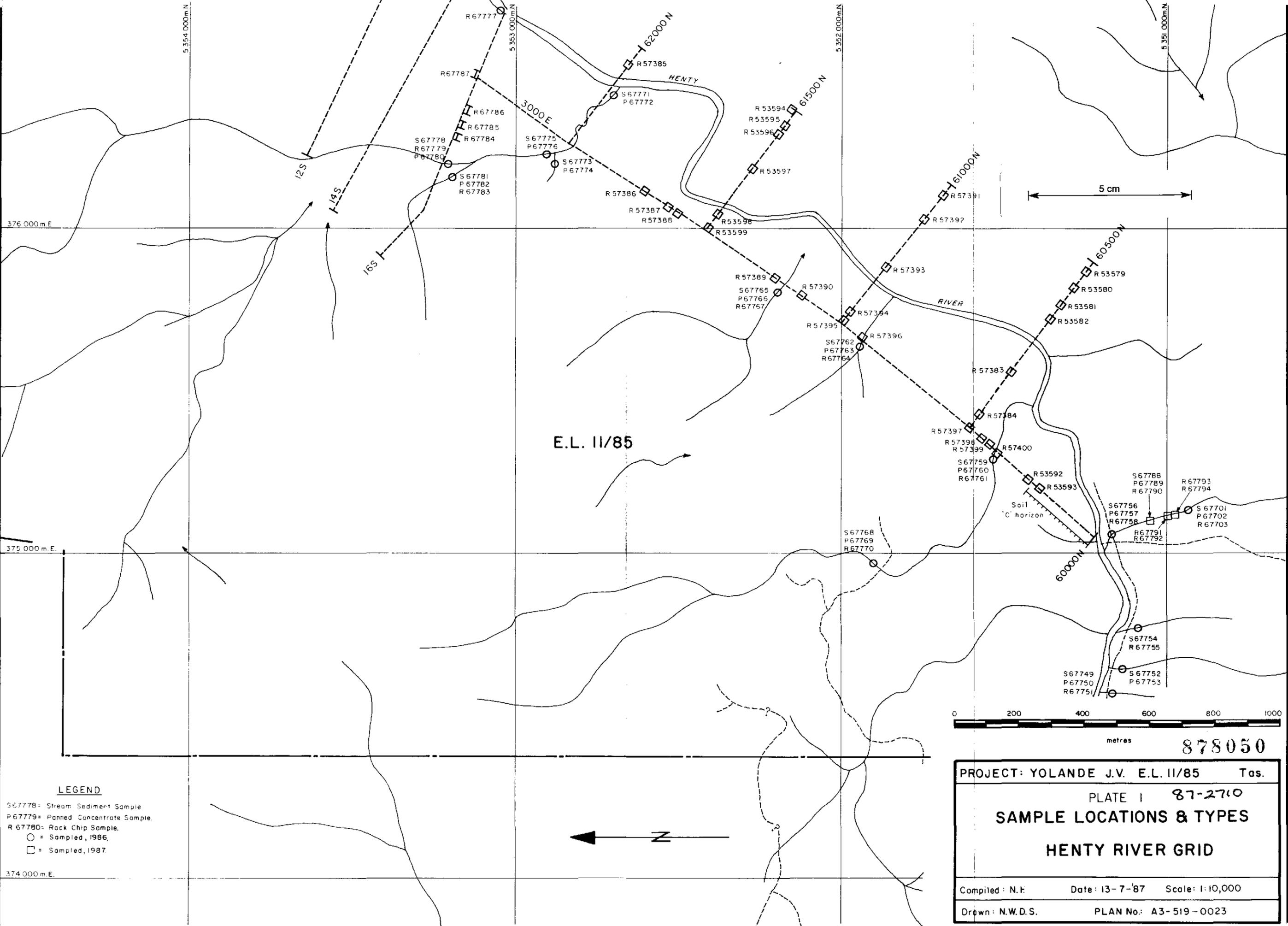


ELECTROLYTIC ZINC CO of ASIA LTD.
 PROJECT: YOLANDE J.V. E.L. 11/85 ,TAS.
 PLATE 5 87-2710
 SOIL GEOCHEMISTRY
 'C' HORIZON
 875049
 As.



Scale: 1:10,000	Survey: I.M.A.T.	Revised:
Reference: IB-8-87	Date: 8-87	Ref. No.:
Drawn: N.W.D.S.	Checked:	A0-519-0029

A3-519-0023



5 cm

E.L. 11/85

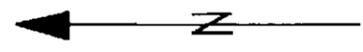
0 200 400 600 800 1000 metres

878050

PROJECT: YOLANDE J.V. E.L. 11/85		Tas.
PLATE I 87-2710		
SAMPLE LOCATIONS & TYPES		
HENTY RIVER GRID		
Compiled: N.F.	Date: 13-7-'87	Scale: 1:10,000
Drawn: N.W.D.S.	PLAN No: A3-519-0023	

LEGEND

- S67778: Stream Sediment Sample
- P67779: Panned Concentrate Sample
- R 67780: Rock Chip Sample
- = Sampled, 1986.
- = Sampled, 1987.



0.40