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Disks included in back cover.

FIGURES

FIGURE	TITLE	SCALE
Figure 1	EL47/83 Lynchford Location.	1:100,000
Figure 2	EL47/83 Summary Geology	As shown
Figure 3	Prognostic Section 36200N - DDH LF1	As shown

PLATES

PLATE	TITLE	SCALE
LYN63	Structural Data Compilation.	1:10000
LYN65	Interpretive Cross Sections.	1:10000
LYN66	Interpretive Geology.	1:10000
LYN80	Section 36200N DDH LF1 - Geology and Alteration.	1:1000
LYN82	LF1 Magnetic Susceptibility.	1:1000

APPENDICES

APPENDIX I	LF1 Drill Log
APPENDIX II	LF1 Geochemical data
APPENDIX III	LF1 Magnetic Susceptibility data
APPENDIX IV	LF1 DHEM data

1. SUMMARY

Previous exploration on the remaining part of E.L.47/83 Lynchford comprises airborne EM, stream sediment geochemistry, gridding, mapping, rock chip and soil geochemistry, ground UTEM, costeaming and helimagnetics-radiometrics.

This work defined an area of anomalous soil geochemistry and alteration at the top of the Lynch Creek Basalt in the Specimen Creek area.

A single diamond drill hole LF1 has been completed to test the Specimen Creek alteration zone below surface EM range. The hole was abandoned at 697m in Lower Tyndall Group volcanoclastics without reaching the Lynch Creek Basalt. Gold geochemistry is below detection. DHEM failed to detect a response attributable to massive sulfide.

No further work on this prospect is recommended.

2. INTRODUCTION

E.L. 47/83 Lynchford, covering 32 km² south of Queenstown, was granted to CRA Exploration Pty. Ltd. (CRAE) in March 1985. From April 28th 1988 Aberfoyle Resources Ltd. has managed and funded exploration of this licence under the terms of the Mount Read Volcanics joint venture with CRAE.

A statutory relinquishment in March 1990 (Noonan, 1990) reduced the area of the licence from 32 to 16 km² while a further partial relinquishment reduced its area to the current 8 km² in May 1993 (Wallace, 1993). An area of 75 hectares covered by mining lease 27M/82, held by Paraclete Resources Pty. Ltd., is excluded from the licence area.

The report reviews exploration completed by CRAE and Aberfoyle Resources Ltd. on the remaining area of E.L. 47/83, including previously unreported work from March 1994 - March 1995.

3. PREVIOUS EXPLORATION

Exploration activities in this area, dating from 1894 and prior to the granting of E.L. 47/83, have been summarised by Noonan (1989).

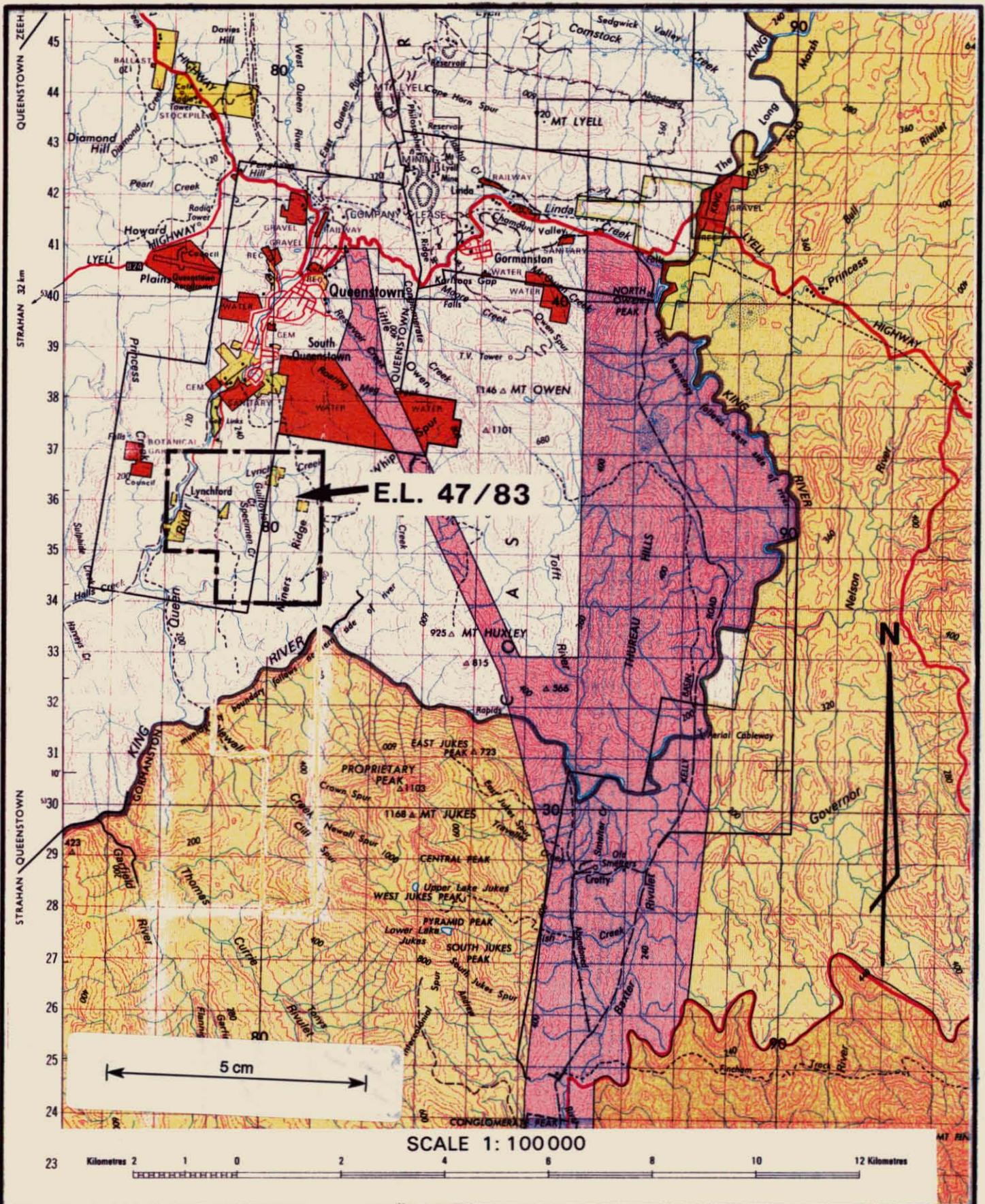
Previous exploration over the current area of EL47/83 is summarised below.

CRAE: February 1985 - February 1986 (Clementson, 1986)

- Compilation and evaluation of previous exploration data.
- Re-interpretation of RGC Dighem survey (including magnetic data) led to the definition of several anomalies.
- Follow-up of Dighem anomalies by reconnaissance mapping and Genie EM. No anomalies worthy of follow-up.
- Stream sediment geochemistry (cyanide leach) defined an anomaly in Specimen Creek.

CRAE: February 1986 - February 1987 (Sheppard, 1987)

- Reconnaissance mapping and rock-chip geochemistry.



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Aberfoyle Resources Limited
EXPLORATION DIVISION

Figure 1

REVISIONS			
Init.	Date	Init.	Date
RdeB	2/94		

WESTERN TASMANIA
LYNCHFORD E.L. 47/83
LOCALITY PLAN

Compiled :	J.M.S.
Drawn :	J.M.S.
Traced :	
Checked :	
Plate No. :	LYN 47

Location Code :

Scale : 1:100 000

Date : April 1993

- Follow-up stream sediment geochemistry (-80#, and -4# cyanide leach).

CRAE: February 1987 - February 1988 (Funnell, 1988)

- Stream sediment geochemistry, no significant anomalies.
- Line cutting.
- Soil geochemistry, Cu, Zn, Ba anomaly over zone of fuchsitic alteration.

Aberfoyle: April 1988 - April 1989 (Noonan, 1989)

- CRAE grid extended to cover entire Specimen Creek area.
- 1:2500 scale geological mapping of grid; defined Specimen Creek alteration zone.
- Rock-chip geochemistry (109 samples) and petrology (50 samples).
- Soil geochemistry (702 samples); Two major anomalies; Pb, As, and Ba over the Specimen Creek alteration zone, and Ba, As in the NE of the grid.
- UTEM survey over grid (excluding 2 lines in ML 27M/82); no anomalies.

Aberfoyle: June 1989 - June 1990 (Noonan, 1990)

- EM-37 survey over the 2 lines not covered previously by UTEM; no anomalies.
- Ground magnetic survey; used to refine geological interpretation.
- Soil geochemistry; sampling extended to cover entire Specimen Creek Grid.
- Costeaming of Specimen Creek alteration zone, area of anomalous soil geochemistry in the NE corner of the grid, and a hematite altered breccia on the western margin of the Lynch Creek Basalt.
- Stream sediment geochemistry; limited survey in the central northern part of the grid using both -80# and bulk cyanide leach samples. No anomalies.
- Examination of historical workings, including mapping and channel sampling.

-
- Further rock-chip geochemistry and a review of geology.
 - Pb isotopes; majority of samples have a Cambrian signature similar to that of Prince Lyell.
 - S Isotopes; results inconclusive.

Aberfoyle: July 1990 - March 1993

- No work completed.

Aberfoyle: March 1993 - March 1994 (Sharpe, 1994)

- 100m spaced heliborne magnetics and radiometrics.
- Structural interpretation following compilation and re-interpretation of geological, geophysical, and geochemical datasets (PLATES LYN63, LYN65, LYN66).
- Limited field checking of outcrops, petrology and whole-rock geochemistry.
- Definition of 2 conceptual drill targets in the "Specimen Creek alteration zone".

4. RECENT EXPLORATION

4.1 DIAMOND DRILLING

4.1.1 Introduction

A diamond drilling programme scheduled for March 1994 was stalled pending an option agreement with Paraclete Resources Pty. Ltd., the holders of mining lease 27M/82. This agreement was finalised in December 1994.

DDH LF1 was designed to test the Specimen Creek alteration zone (Noonan 1990, Sharpe 1994) adjacent to the inferred syn-volcanic Specimen Creek Fault below surface EM range (Figures 2-3). The hole intersected locally intense sericite-carbonate alteration but no mineralisation and terminated in Lower Tyndall Group volcanoclastics at 697m.

Collar details are as follows:

Collar E:	378290mE (AMG) approx.
Collar N:	5336240mN (AMG) approx.
Collar RL:	95m asl approx.
Bearing:	100 ° AMG
Inclination:	-50 °
Hole Length:	697m
Commenced:	17/01/1995
Completed:	09/02/1995
Contractor:	Fred Ortner

4.1.2 Geology

A summary log is as follows:

FROM (m)	TO (m)	GEOLOGY
0	32	Cover/weathered shale.
32	422	Massive crystal-rich and lithic volcanoclastic sandstones. Lynchford Tuff (Middle Tyndall Group).
422	460	Sheared highly calcite-sericite altered breccia volcanoclastic. Lower Tyndall Group (LTG).

FIGURE 2

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E.L. 47/83 - LYNCHFORD SUMMARY GEOLOGY

378000 mE

380000 mE

5337000 mN

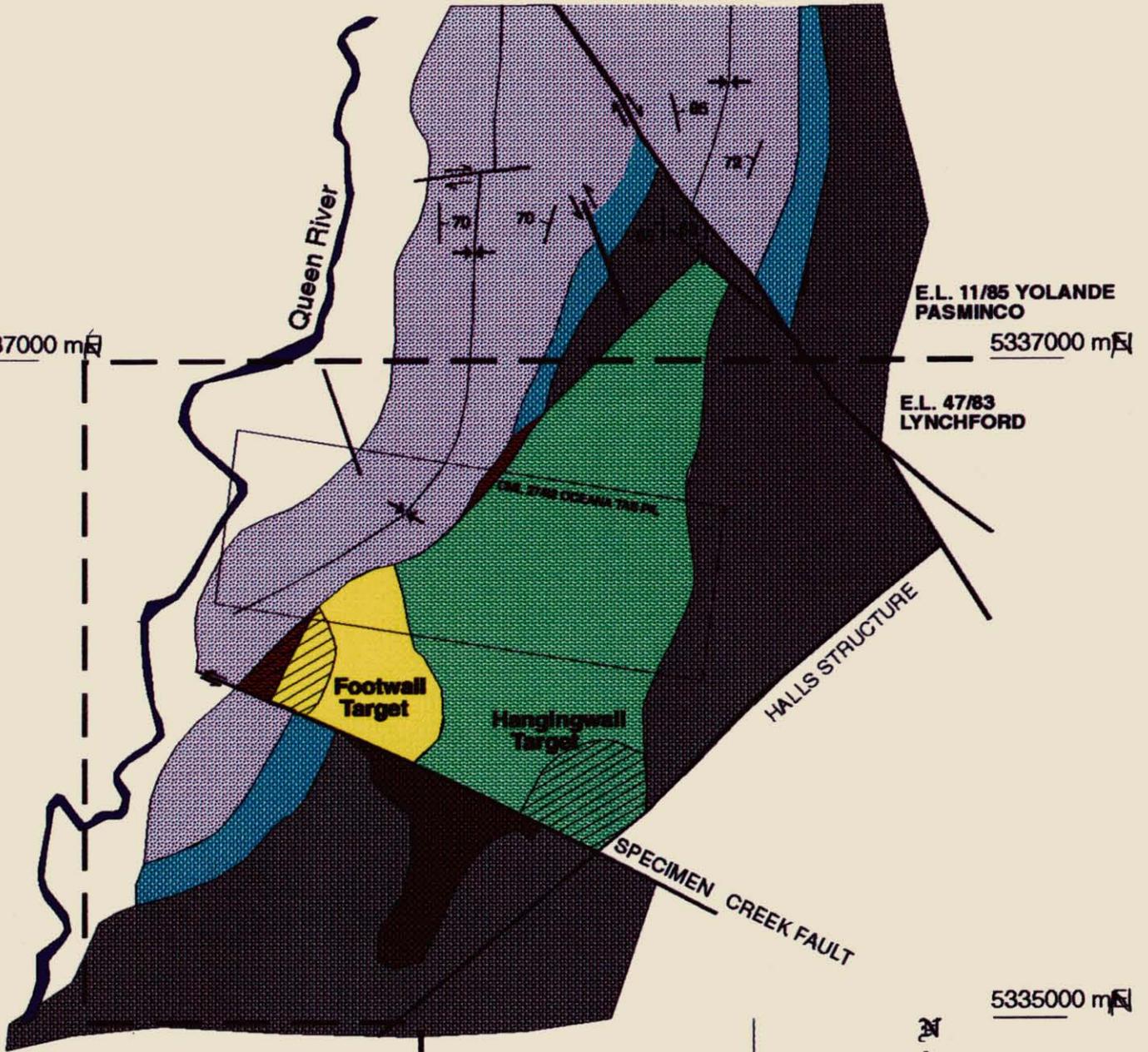
5337000 mN

E.L. 11/85 YOLANDE
PASMINGO

E.L. 47/83
LYNCHFORD

5335000 mN

380000 mE



TYNDALL GROUP

Lynchford Tuff/ Comstock Tuff Equivalent
Massive volcanic breccias & sandstones

QUE - HELLYER EQUIVALENTS

Quartz+haematite breccia volcanoclastic

Sericite altered andesite/basalt

Lynch Creek Basalt

Polymict Basaltic Lapilli Volcaniclastic

YOLANDE RIVER SEQUENCE

Quartz-rich crystal Tuff

Interbedded shales/siltstones

Areas Targetted for drilling

Syncline

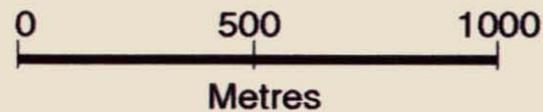
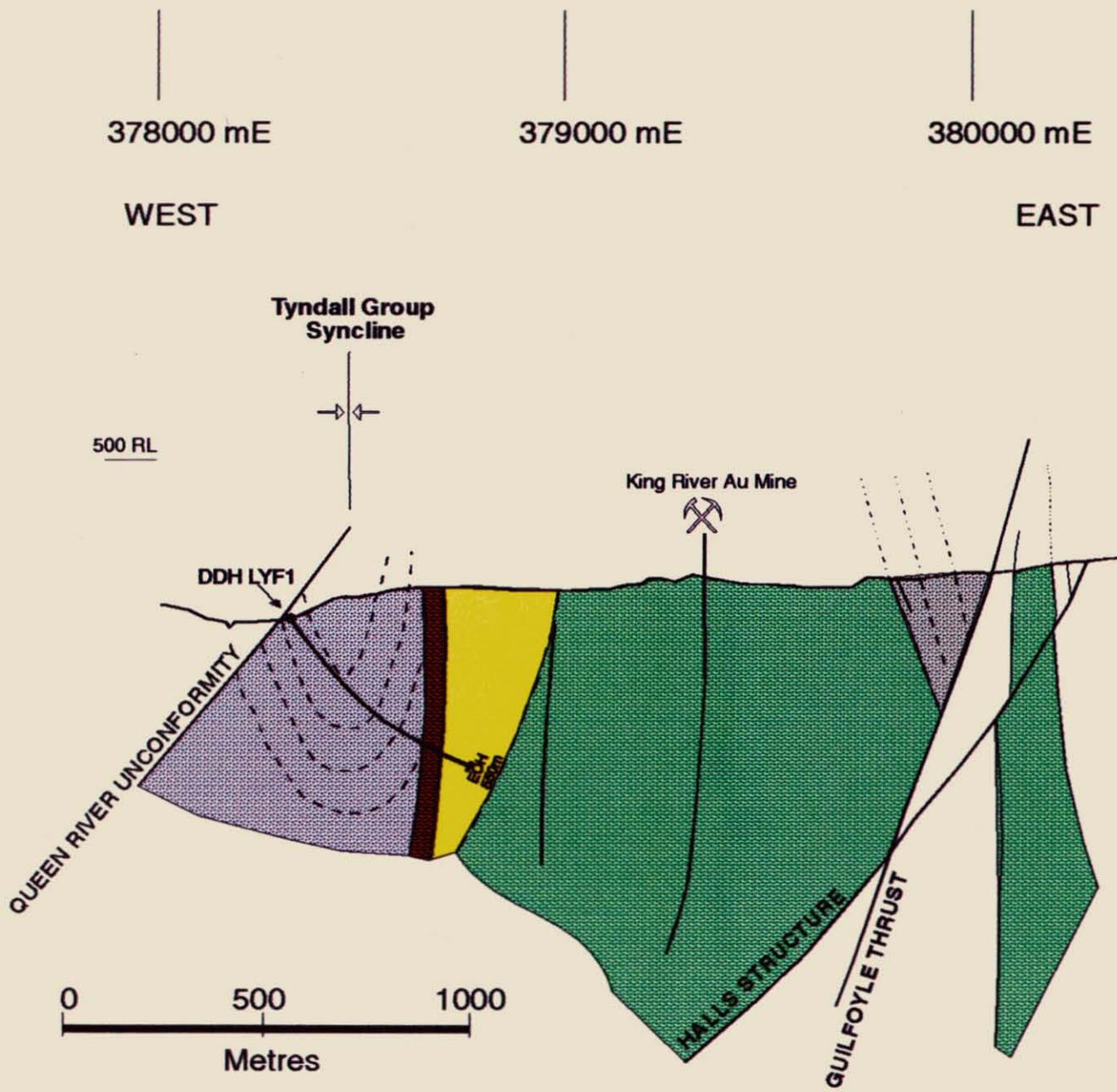
Bedding

Faults

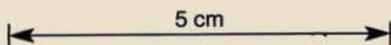
5 cm

0 500 1000
Metres

FIGURE 3
E.L.47/83 LYNCHFORD
PROGNOSTIC SECTION 5336200 mN
DDH LF1



- | | | | |
|---|----------------------------------|---|-------------------------------------|
|  | Lynchford Tuff |  | Sericite Altered Lynch Creek Basalt |
|  | Haematite altered Lynchford Tuff |  | Lynch Creek Basalt |
|  | | | Yolande River Sequence |



460	518	Sheared calcite-sericite altered matrix-supported polymict breccia volcanoclastic with abundant calcite clasts. LTG.
518	580	Sheared coarse lithic lapilli volcanoclastic. LTG.
580	620	Highly sericite-chlorite altered coarsely quartz phyric ?pumice breccia. LTG.
620	632	Graded lapilli-breccia volcanoclastic. LTG.
632	648	Clast supported polymict breccia volcanoclastic. LTG.
648	661	Quartz phyric rhyolite ?Intrusive.
661	697	Breccia and lapilli volcanoclastics. LTG.

EOH

A detailed drill log and abbreviations are given in Appendix I. Geology and alteration are plotted in Plate LYN80.

The Lynchford Tuff (Middle Tyndall Group) is a thick massive sequence of weakly albite - magnetite altered crystal-rich volcanoclastic sandstones. Rare grading indicates west facing. The underlying Lower Tyndall Group is dominated by lithic volcanoclastic sandstones and polymict mass flow breccias with moderate to locally intense sericite-carbonate alteration. Core orientation suggests that the sequence below 500m is near vertically dipping.

There are 3 possible explanations for the observed geology:

- The Lynch Creek Basalt - Tyndall Group contact is faulted out above the hole.
- The Lynch Creek Basalt - Tyndall Group contact dips moderately east and is overturned.
- The Lower Tyndall Group (represented at surface by a discontinuous haematitic breccia) thickens with depth.

It is not possible to evaluate these options without further drilling.

4.1.3 Geochemistry

The entire core has been continuously ground at intervals ranging from 2.1-34m and assayed for gold only: assay intervals and results are tabulated in Appendix II. All intervals were below the detection limit of 0.008 ppm Au.

4.1.4 Geophysics

4.1.4.1 Magnetic Susceptibility

Magnetic Susceptibility readings were taken at 1m intervals as an aid to geological interpretation. Data (SI units) is plotted in plate LYN82 and tabulated in Appendix III.

Magnetic signature is largely controlled by alteration intensity and faulting. The Lynchford Tuff has a high susceptibility owing to both detrital magnetite and thin magnetite veinlets. A major fault zone at 110-125m has locally intense magnetite destructive sericite alteration. Below 422m Lower Tyndall Group volcanoclastics have strong to moderate sericite-carbonate alteration and low magnetic susceptibilities. A quartz phyric rhyolitic intrusive from 648-660m has a distinct magnetic signature.

4.1.4.2 DHEM

A two loop DHEM survey was designed to test for conductive mineralisation at the top of the Specimen Creek alteration system. Readings were taken at 10m intervals at an operating frequency of 43.72 Hz. Loop design is shown in Plate LYN81 which is included as part of Appendix IV.

Initial attempts to survey the hole with Aberfoyles Zonge equipment were unsuccessful owing to nearby power transmission lines. A UTEM survey was completed by Lamontagne Geophysics in early March. The survey failed to detect an offhole conductor attributable to massive sulfide. Continuous and point normalised plotted data is presented in Appendix IV.

5. CONCLUSIONS AND RECOMMENDATIONS

A single diamond drill hole has been completed to test a geological-geochemical target at the contact between the Lynch Creek Basalt and

overlying Tyndall Group. DDH LF1 intersected moderate to intense sericite-carbonate alteration in Middle to Lower Tyndall Group volcanoclastics but did not reach the Lynch Creek Basalt. DHEM did not detect a response attributable to massive sulfide.

No further work is recommended on this prospect.

6. REFERENCES

Clementson, I.M., 1986. E.L. 47/83 Lynchford West Tasmania. Report on exploration March 1985 - January 1986. CRAE Exploration Pty. Ltd. Unpub. Rept. 13722. *26-2009*

Funnell, F.R., 1988. E.L. 47/83 Lynchford, West Tasmania. Report on exploration for 12 months to February 1988. CRAE Exploration Pty. Ltd. Unpub. Rept. 14992. *88-2763
2777*

Noonan, D.J., 1989. E.L. 47/83 Lynchford, Tasmania. Progress report for the year ended April 30th, 1989. Aberfoyle Resources Ltd. Unpub. Rept. *TCR 89-2977*

Noonan, D.J., 1990. E.L. 47/83 Lynchford, Tasmania. Progress report for the year ended 20th June, 1990. Aberfoyle Resources Ltd. Unpub. Rept. *TCR 90-3152*

Sharpe, R.A., 1994. Lynchford E.L. 47/83, Tasmania. Technical progress report for the period March 1993- March 1994. Aberfoyle Resources Ltd. Unpub. Rept. *TCR 94-3539*

Sheppard, W.A., 1987. E.L. 47/83 Lynchford, West Tasmania. Report on exploration for 12 months to February 1987. CRAE Exploration Pty. Ltd. Unpub. Rept. 14328. *87-2626*

Wallace D.B., 1993. E.L. 47/83 Lynchford, Tasmania. Report on Exploration for area to be relinquished. Aberfoyle Resources Ltd. Unpub. Rept. *92-7938*

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APPENDIX I

**GEOLOGICAL MAPPING
ABBREVIATIONS
LYNCHFORD**

Abundant	abn	Epidote	Ep	Patchy	pat
Adularia	Adl	Euhedral	eu	Pebble	peb
Agglomerate	agg	Eutaxitic	eux	Pebbly	pby
Albite	Ab	Fabric	fab	Peperitic	pep
Alkali feldspar	Afd	Fault	F	Perlitic	prl
Altered	alt	Fault zone	FZ	Pervasive	per
Amphibolitic	amb	Feldspar	Fd	Phenocrysts	phn
Amphibole	Amb	Feldspathoid	Fdd	Phyllite	phyl
Amygdaloidal	amg	Feldspar phyric	fp	Phyric	p
Andalusite	An	Felspathic	fel	Picrite	Pic
Andesite	A	Ferruginous	fer	Pillow lava	pl
Angular	ang	Fibrous	fb	Pink	pk
Ankerite	An	Fine	f	Polymict	Y
Apatite	Apt	Fine grained	fg	Poorly sorted	ps
Aplite	Ap	Fissile	fis	Porphyry	Por
Approximate	apx	Flowbanded	fbn	Porphyritic	por
Arcuate	ar	Fluorite	Fl	Predominantly	pred
Arenaceous	am	Foliated	fo	Probable	prob
Argillaceous	arg	Fragments	fr	Pumice	Pu
Argillite	Arg	Fuchsite	Fu	Pumiceous	pu
Arkose	Ak	Gabbro	Gb	Purple	pp
Arkosic	ak	Galena	Gn	Pyrite	Fy
Arsenopyrite	Ap	Glass	Gl	Pyritic	py
Ash vcl	av	Glassy	gl	Pyrolusite	Pr
Autobrecciated	aub	Gossan	Gos	Pyroxena	Px
Average	ave	Granite	Gr	Pyrrhotite	Po
Banded	bn	Grandiorite	Gd	Quartz	Q
Barite	Ba	Granular	glr	Quartzite	Qtz
Basalt	B	Graphite	Gt	Quellite	Qll
Bearing	brg	Graphitic	gt	Questionable	?
Bedded	bed	Gravel	gr	Recrystallised	rx
Biotite	Bio	Green	gn	Red	rd
Black	bk	Grey	gy	Rehealed	rhd
Black shale	Bsh	Greywacke	Gw	Reworked	rw
Blue	bl	Groundmass	gm	Rhyodacite	RD
Boulder	bid	Haematite	Hm	Rhyolite	R
Breccia	b	Hornblende	Hb	Ripple marks	rmk
Breccia vcl	bv	Igimbrite	Ig	Round	rd
Bright	brt	Illite	Ill	Rubble	rbb
Brown	br	Interbedded	ibd	Sandstone	Ss
Calcareous	cc	Intercalated	icl	Schist	Sch
Calcite	Cc	Intrusive	I	Schistose	sch
Carbonaceous	carb	Joint	J	Sediment	sed
Carbonate	Co	Jurassic	Ju	Sericite	Se
Cassiterite	Cass	K-Feldspar	Kf	Serpentine	Srp
Cavernous	cav	Khaki	kh	Shale	Sh
Cemented	cm	Laminated	lm	Sheared	shd
Chalcopyrite	Cp	Lapilli vcl	lv	Sheeted	sht
Chert	Ch	Lava	l	Siderite	Sid
Chlorite	Cl	Lava breccia	lb	Silica	Si
Chromite	Cr	Leached	lch	Siliceous	sil
Chromiferous	cr	Leucite	Lct	Siltstone	Slt
Clast	_cst	Leucitite	Ltt	Slickenside	slk
Clast-supported	CS	Limonitic	Lim	Sphalerite	Sp
Clay	cy	Light	lgt	Spotted	spt
Cleavage	cvg	Limestone	Lst	Spotty	spy
Coarse	c	Lithic	lh	Stockwork	stw
Coarse grained	cg	Magnetite	Mt	Stratabound	stb
Colloform	coll	Manganese	Mn	Strong	str
Colour	col	Marl	Ml	Structure controlled	stc
Common	com	Massive	mas	Syngenetic	syn
Conglomerate	Cg	Matrix	mtx	Talc	Tc
Conglomeratic	cg	Matrix-supported	XS	Tertiary	T
Crimson	cm	Matrix dominated	md	Tourmaline	Tm
Crystal	x	Medium	med	Trace	tr
Crystal rich	xr	Medium grained	mg	Trachyte	Tr
Crystal vcl	xv	Metamorphosed	meta	Tuff	Tf
Dacite	D	Mica	Mic	Tuffaceous	tf
Dark	dk	Micaceous	mic	Variable	var
Dense	dns	Mineralised	min	Variolitic	vr
Devitrification	dv	Minor	mnr	vein	vn
Diorite	Di	Mixed	mx	Very	v
Disseminated	Ds	Moderately sorted	ms	Vesicular	ves
Dolerite	Dol	Mottled	mtl	Vitric	vt
Dolomite	Dm	Mudstone	Mst	Volcanic	vlc
Dyke	dy	Nodule	nd	Volcaniclastic	Vc
Elongated	ei	Off white	ow	Volcaniclastic Ss	Vs
Emphasised	emp	Olivine	Ol	Volcaniclastic Cg	VCg
Epiclastic (noun)	E	Oolitic	oo	Weak	wk
		Orange	or	Weathered	wth
		Ordovician	O	Well sorted	ws
		Oxidised	ox	White	wh
		Pale	pl	Yellow	yw

**DRILL LOG ABBREVIATIONS
LYNCHFORD**

817018

TEXTURE(7)

Massive	mas
Laminated	lam
Graded	grd
Sheared	shd
Brecciated	bx
Stylolitic	sty
Granular	gm

SORTING(8)

Poor	P
Medium	M
Good	G

SHAPE(7)

Angular	A
Rounded	R
Sub-angular	sA
Sub-rounded	sR
Lensoidal	L
Wispy	W
Irregular	I

CONTACT GRADATION(3)

Gradational	G
Sharp	S
Diffuse	D
Irregular	I

CONTACT STYLE(4)

Fault	F
Intrusive	I
Sedimentary	S
Erosional	E
Unconformity	U
Depositional	D
Fault Zone	FZ
Shear Zone	SZ

ALTERATION TEXTURE

Pervasive	P
Pervasive clasts	Pc
Pervasive matrix	Pm
Disseminated	Ds
Disseminated clasts	Dc
Disseminated matrix	Dm
Matrix	M
Nodular	N
Banded	B
Spotty	S
Patchy	Pat
Patchy matrix	Patm
Veinlets	V
Haloes	H
Localised	L

FAULT GOUGE

Pug	Pu
Rubble	Ru
Breccia	B
Shear Zone	SZ
Vein	Vn
Vug	Vg

FOLIATION TYPE

Bedding	Bd
Compositional banding	Bn
Cleavage	Cv
Shear	Sh
Foliation	Fo

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APPENDIX II

ABERFOYLE EXPLORATION

DRILL CORE SAMPLE LEDGER

LICENCE EL47/83

ANALYSES REQUIRED

NAME Lynchford

Au only by GG309

DATE 20/2/1995

DESCRIPTION

Lynchford Core

TOTAL 54 samples

NOTES

DDH	FROM (m)	TO (m)	SAMPLE#	TYPE	CASING	SPLIT
LF1	16	31	627496	CG	HQ	0
LF1	31	60	627497	CG	HQ	0
LF1	60	80	627498	CG	HQ	0
LF1	80	86.4	627499	CG	HQ	0
LF1	86.4	97.9	627500	CG	HQ	0
LF1	97.9	101	627501	CG	HQ	0
LF1	101	105	627502	CG	HQ	0
LF1	105	110	627503	CG	HQ	0
LF1	110	127.1	627504	CG	HQ	0
LF1	127.1	130.1	627505	CG	HQ	0
LF1	130.1	137	627506	CG	HQ	0
LF1	137	147	627507	CG	HQ	0
LF1	147	157	627508	CG	HQ-NQ	0
LF1	157	170	627509	CG	NQ	0
LF1	170	180	627510	CG	NQ	0
LF1	180	189	627511	CG	NQ	0
LF1	189	194	627512	CG	NQ	0
LF1	194	210	627513	CG	NQ	0
LF1	210	220	627514	CG	NQ	0
LF1	220	230	627515	CG	NQ	0
LF1	230	240	627516	CG	NQ	0
LF1	240	255	627517	CG	NQ	0
LF1	255	257.5	627518	CG	NQ	0
LF1	257.5	270	627519	CG	NQ	0
LF1	270	276	627520	CG	NQ	0
LF1	276	282.4	627521	CG	NQ	0
LF1	282.4	290	627522	CG	NQ	0
LF1	290	300	627523	CG	NQ	0
LF1	300	312.5	627524	CG	NQ	0
LF1-STAN	-999	-999	627525	ST	ST	-999
LF1	312.5	317.5	627527	CG	NQ	0
LF1	317.5	325.4	627528	CG	NQ	0
LF1	325.4	331	627529	CG	NQ	0
LF1	331	333.1	627530	CG	NQ	0
LF1	333.1	341	627531	CG	NQ	0
LF1	341	368	627532	CG	NQ	0
LF1	368	402	627533	CG	NQ	0
LF1	402	427	627534	CG	NQ	0
LF1	427	445	627535	CG	NQ	0
LF1	445	453	627536	CG	NQ	0
LF1	453	460	627537	CG	NQ	0
LF1	460	478	627538	CG	NQ	0
LF1	478	494	627539	CG	NQ	0
LF1	494	518	627540	CG	NQ	0

DDH	FROM (m)	TO (m)	SAMPLE#	TYPE	CASING	SPLIT
LF1	518	541	627541	CG	NQ	0
LF1	541	564	627542	CG	NQ	0
LF1	564	587	627543	CG	NQ	0
LF1	587	591.4	627544	CG	NQ	0
LF1	591.4	619.3	627545	CG	NQ	0
LF1	619.3	647.9	627546	CG	NQ	0
LF1	647.9	660.8	627547	CG	NQ	0
LF1	660.8	678.9	627548	CG	NQ	0
LF1	678.9	697	627549	CG	NQ	0
LF1-STAN	-999	-999	627550	ST	ST	-999



Analabs

817040

Analabs Pty. Ltd.

A.C.N. 004 591 664

Phone (004) 316837

14 Thirkell St. CODEE TAS 7320

Fax (004) 318890

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100560.60.10708

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55

SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

627496/525,627527/550,627681

CB Prep : 6P031

Au, Au (R)/66309

REMARKS

RESULTS
TO

Mr R de Bonford
Aberfoyle Resources Limited
Exploration Division
P.O. Box 952
BURNIE TAS 7320

LF1 CORE SLINDS

RESULTS
TO

Empty box for results recipient

RESULTS
TO

Empty box for results recipient

AUTHORISED OFFICER

ANALYTICAL DATA

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

PAGE

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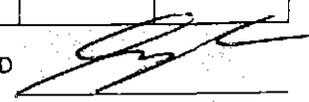
1 OF 3

	SAMPLE No.	Au	Au (R)						
METHOD		GG309	GG309						
1	627496	<0.008	-						
2	627497	<0.008	-						
3	627498	<0.008	-						
4	627499	<0.008	-						
5	627500	<0.008	-						
6	627501	<0.008	-						
7	627502	<0.008	-						
8	627503	<0.008	-						
9	627504	<0.008	-						
10	627505	<0.008	-						
11	627506	<0.008	-						
12	627507	<0.008	<0.008						
13	627508	<0.008	-						
14	627509	<0.008	-						
15	627510	<0.008	-						
	627511	<0.008	-						
17	627512	<0.008	-						
18	627513	<0.008	-						
19	627514	<0.008	-						
20	627515	<0.008	-						
21	627516	<0.008	-						
22	627517	<0.008	<0.008						
23	627518	<0.008	-						
24	627519	<0.008	-						
25	627520	<0.008	-						

Results in ppm unless otherwise specified
 - = element not determined

IS = insufficient sample
 SNR = sample not received

AUTHORISED OFFICER



ANALYTICAL DATA

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

PAGE

100560.60.10708

16/02/95

7480

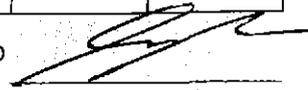
2 OF 3

	SAMPLE No.	Au	Au (R)						
METHOD		GG309	GG309						
1	627521	<0.008	-						
2	627522	<0.008	-						
3	627523	<0.008	-						
4	627524	<0.008	-						
5	627525	<0.008	-						
6	627527	<0.008	-						
7	627528	<0.008	-						
8	627529	<0.008	-						
9	627530	<0.008	-						
10	627531	<0.008	-						
11	627532	<0.008	-						
12	627533	<0.008	<0.008						
13	627534	<0.008	-						
14	627535	<0.008	-						
15	627536	<0.008	-						
	627537	<0.008	-						
17	627538	<0.008	-						
18	627539	<0.008	-						
19	627540	<0.008	-						
20	627541	<0.008	-						
21	627542	<0.008	-						
22	627543	<0.008	<0.008						
23	627544	<0.008	-						
24	627545	<0.008	-						
25	627546	<0.008	-						

Results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

AUTHORISED OFFICER



ANALYTICAL DATA

817043

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

PAGE

100560.60.10708

16/02/95

7480

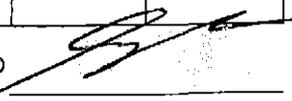
3 OF 3

	SAMPLE No.	Au	Au(R)						
METHOD		GG309	GG309						
1	627547	<0.008	-						
2	627548	<0.008	-						
3	627549	<0.008	-						
4	627550	<0.008	-						
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24	DETECTION	0.008	0.008						
25	UNITS	ppm	ppm						

Results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

AUTHORISED OFFICER



APPENDIX III

Depth (m)	SUS(SI)						
16	0	89	1304	163	3220	237	4519
17	0	90	700	164	4375	238	2957
18	1	91	454	165	3719	239	5012
19	37	92	285	166	3151	240	4752
20	72	93	626	167	3069	241	4100
21	78	94	674	168	3785	242	3705
22	12	95	1615	169	4582	243	3976
23	4	96	1593	170	4086	244	4844
24	0	97	949	171	3912	245	2616
25	8	98	1099	172	4076	246	3916
26	3	99	330	173	4549	247	1501
27	3	100	423	174	4031	248	2207
28	1	101	278	175	4855	249	2986
29	7	102	474	176	5309	250	2028
30	5	103	132	177	5546	251	4212
31	130	104	4	178	5697	252	5191
32	25	105	0	179	5422	253	4597
33	2	106	0	180	5548	254	6649
34	96	107	1	181	4777	255	3251
35	1	108	2	182	4760	256	2837
36	1	109	0	183	3462	257	2180
37	3	110	0	184	4141	258	1833
38	1	111	0	185	4418	259	4806
39	0	112	0	186	3763	260	4021
40	0	113	7	187	4320	261	4635
41	0	114	16	188	4810	262	3648
42	10	115	3	189	4213	263	413
43	11	116	0	190	4428	264	3272
44	5	117	0	191	5066	265	3282
45	31	118	7	192	5185	266	6697
46	6	119	1	193	7580	267	4208
47	1	120	0	194	4473	268	3228
48	4	121	3	195	6091	269	3209
49	6	122	39	196	4889	270	4078
50	17	123	2	197	3837	271	5322
51	35	124	2	198	4114	272	6741
52	100	125	1	199	4988	273	4162
53	20	126	10	200	4620	274	3132
54	1350	127	1	201	5309	275	2865
55	1733	128	3	202	4492	276	1762
56	2058	129	0	203	3745	277	2053
57	3259	130	0	204	3745	278	2789
58	2704	131	2313	205	4304	279	2731
59	608	132	2660	206	4388	280	3804
60	1983	133	1815	207	4366	281	2063
61	1832	134	1192	208	3858	282	2790
62	1547	135	1128	209	4843	283	3906
63	998	136	2939	210	4509	284	4112
64	867	137	2183	211	3209	285	4368
65	1974	138	3322	212	3307	286	3182
66	1188	139	2374	213	2466	287	2633
67	327	140	2147	214	4853	288	166
68	550	141	2241	215	3778	289	3143
69	682	142	1818	216	3766	290	3702
70	432	143	2373	217	4187	291	22
71	874	144	2125	218	5788	292	2346
72	678	145	1934	219	3905	293	2508
73	377	146	2093	220	3739	294	3014
74	551	147	2001	221	3811	295	2247
75	1730	148	2228	222	3066	296	3636
76	531	149	2191	223	4252	297	3525
77	706	150	3282	224	2583	298	3078
78	1150	151	2687	225	2934	299	1961
79	2911	152	2611	226	2680	300	3857
80	934	153	2543	227	3534	301	1676
81	736	154	2715	228	3346	302	3020
82	969	155	2860	229	4016	303	3164
83	855	156	2949	230	4188	304	3046
84	524	157	2634	231	3694	305	559
85	480	158	2640	232	2310	306	3985
86	931	159	2318	233	3771	307	1841
87	560	160	3721	234	3209	308	2583
88	792	161	3300	235	3906	309	2556
		162	3224	236	4247	310	2093

311	3054	385	1581	459	21	533	1635
312	1832	386	572	460	15	534	21
313	2401	387	589	461	39	535	15
314	2228	388	340	462	42	536	15
315	2345	389	11	463	32	537	19
316	2648	390	1	464	14	538	270
317	2137	391	0	465	28	539	14
318	1716	392	0	466	8	540	14
319	2035	393	0	467	15	541	10
320	4659	394	0	468	58	542	14
321	4131	395	0	469	23	543	16
322	2129	396	5	470	17	544	14
323	1252	397	1454	471	21	545	15
324	20	398	0	472	24	546	21
325	2750	399	0	473	4	547	3821
326	2557	400	0	474	12	548	260
327	2674	401	0	475	22	549	16
328	2226	402	0	476	11	550	981
329	1822	403	0	477	5	551	1091
330	1109	404	0	478	10	552	22
331	0	405	0	479	7	553	21
332	0	406	55	480	6	554	23
333	427	407	612	481	12	555	120
334	63	408	149	482	6	556	86
335	4	409	38	483	3	557	16
336	0	410	20	484	90	558	25
337	0	411	31	485	1435	559	17
338	0	412	63	486	25	560	53
339	0	413	31	487	28	561	262
340	10	414	10	488	8	562	90
341	0	415	7	489	234	563	172
342	1139	416	31	490	42	564	61
343	4302	417	26	491	31	565	17
344	4275	418	4	492	25	566	39
345	5087	419	10	493	31	567	26
346	4037	420	0	494	34	568	20
347	4972	421	3	495	32	569	23
348	189	422	0	496	32	570	21
349	2143	423	0	497	40	571	37
350	2000	424	3	498	42	572	32
351	4459	425	2	499	53	573	40
352	2662	426	0	500	38	574	15
353	3046	427	0	501	20	575	24
354	2901	428	0	502	32	576	31
355	3499	429	0	503	11	577	26
356	4234	430	0	504	30	578	13
357	4103	431	22	505	39	579	0
358	4994	432	25	506	34	580	21
359	3704	433	25	507	33	581	26
360	4222	434	40	508	53	582	16
361	4764	435	32	509	40	583	15
362	4024	436	35	510	31	584	21
363	5648	437	33	511	53	585	32
364	5511	438	21	512	17	586	17
365	6836	439	26	513	0	587	6
366	6034	440	32	514	14	588	33
367	3886	441	16	515	22	589	15
368	687	442	10	516	14	590	20
369	2176	443	7	517	16	591	13
370	2032	444	20	518	459	592	5
371	117	445	2	519	371	593	33
372	456	446	7	520	391	594	4
373	1269	447	6	521	744	595	2
374	1121	448	0	522	163	596	4
375	1346	449	1	523	17	597	2
376	1203	450	0	524	17	598	7
377	1369	451	3	525	11	599	20
378	875	452	6	526	14	600	19
379	1612	453	3	527	431	601	8
380	852	454	0	528	461	602	7
381	740	455	19	529	2230	603	6
382	2096	456	3	530	2102	604	19
383	1995	457	25	531	20	605	6
384	1595	458	32	532	1213	606	3

607	4	681	8
608	8	682	13
609	6	683	12
660	15	684	15
611	13	685	16
612	8	686	14
613	6	687	17
614	14	688	13
615	13	689	12
616	14	690	7
617	6	691	11
618	3	692	14
619	13	693	13
620	12	694	17
621	15	695	16
622	22	696	17
623	11	697	8
624	31		
625	16		
626	11		
627	6		
628	20		
629	21		
630	3		
631	10		
632	13		
633	8		
634	2		
635	1		
636	5		
637	28		
638	10		
639	20		
640	4		
641	22		
642	11		
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644	16		
645	30		
646	40		
647	7		
648	33		
649	110		
650	914		
651	471		
652	688		
653	646		
654	1122		
655	678		
656	1067		
657	1145		
658	266		
659	507		
660	767		
661	7		
662	8		
663	17		
664	24		
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666	35		
667	23		
668	23		
669	30		
670	20		
671	20		
672	19		
673	13		
674	12		
675	11		
676	13		
677	14		
678	15		
679	7		
680	21		

APPENDIX IV

DOWNHOLE EM - DDH LF1

Downhole EM data was collected in DDH-LF1 from two loops (Fig. 1), using the UTEM system operating at 43.72 Hz.

Loop layout was designed on the basis that targets of every possible dip would have coupled with the loop's magnetic field, although in this case relatively vertical dips were anticipated (Fig. 2).

Data was collected at 10 metre station intervals and monitoring of the total magnetic field from the loop, was used to check the performance of the UTEM system (Figs. 3-3B, Fig. 4-4B).

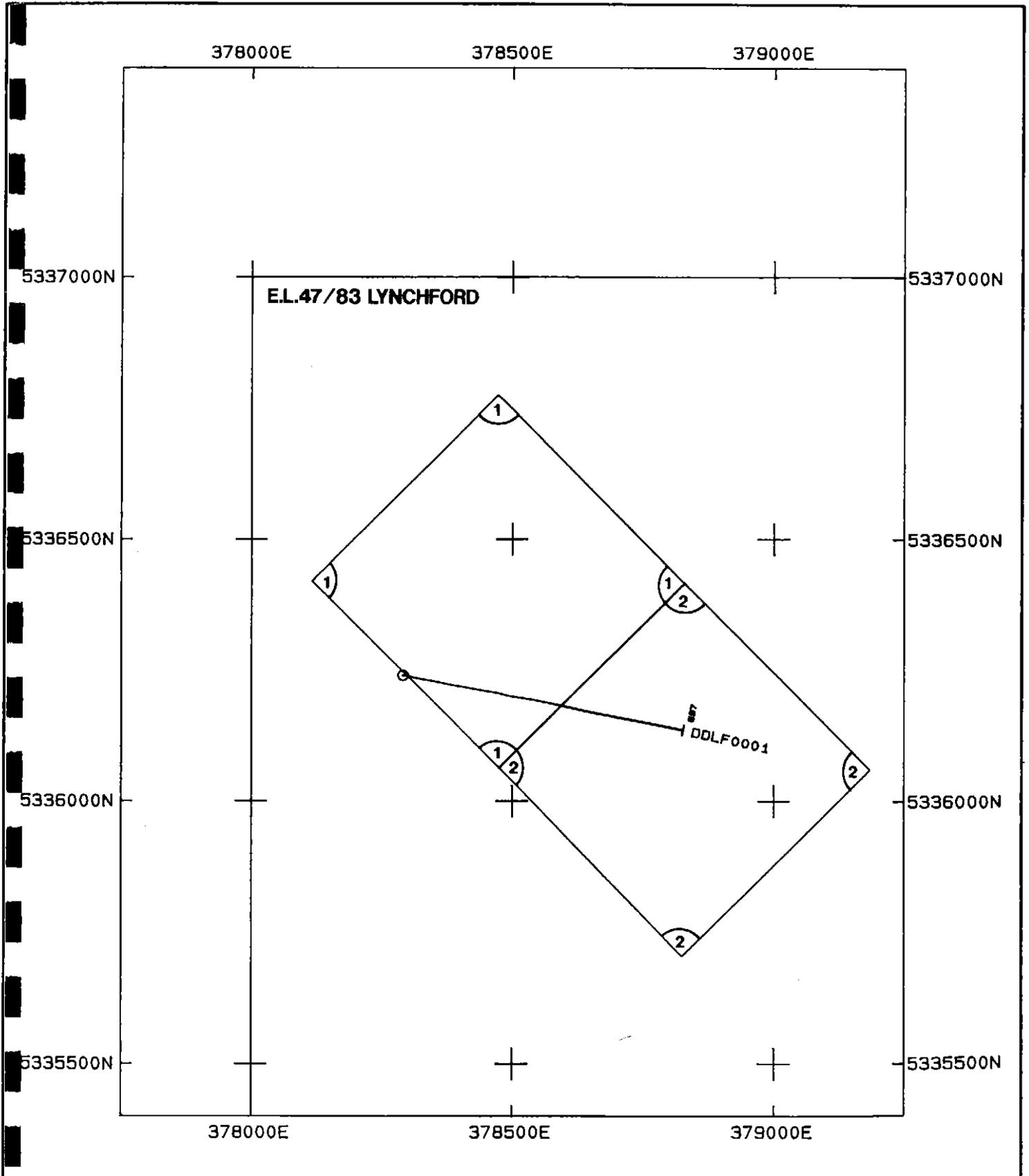
Analysis of the data however (Figs. 3C - 3F, figs. 4C - 4E) showed that no effects from confined conductive targets are evident in the data set. Only "normal" background responses are influencing the secondary EM fields.

Jovan Silic
CHIEF GEOPHYSICIST

95-3706.

817050

5 cm



Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
NO.	DATE	BY	DESC.

TASMANIA
EL47/83 Lynchford
DDH LF1
DHEM Loops

Compiled: RHL
Drawn:
Traced:
Checked:

Location Code:

Scale: 1 : 10000

Date: 28/02/95

Plate No.: LYN81

Figure 1

817051

1: 10000

5 cm

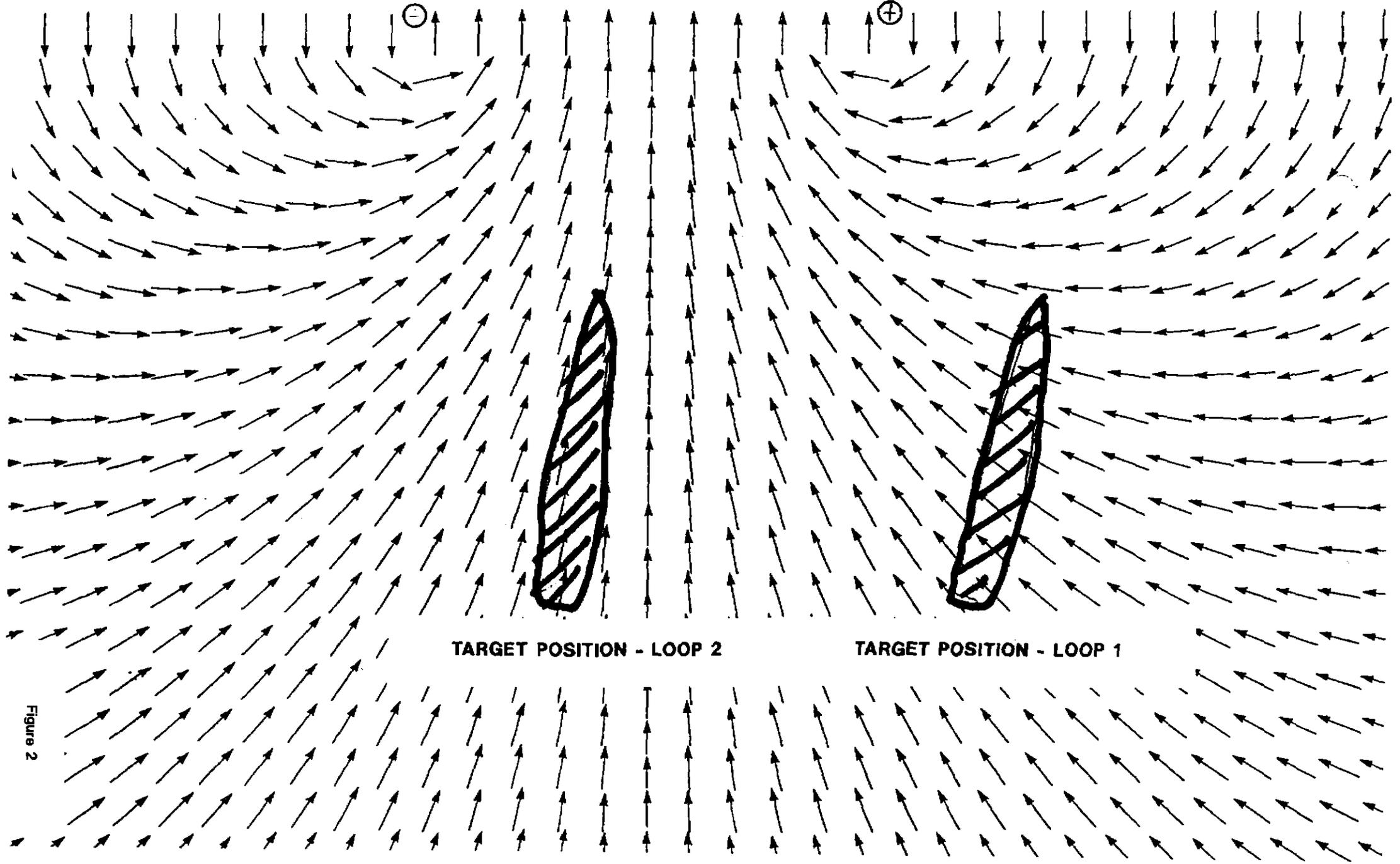


Figure 2

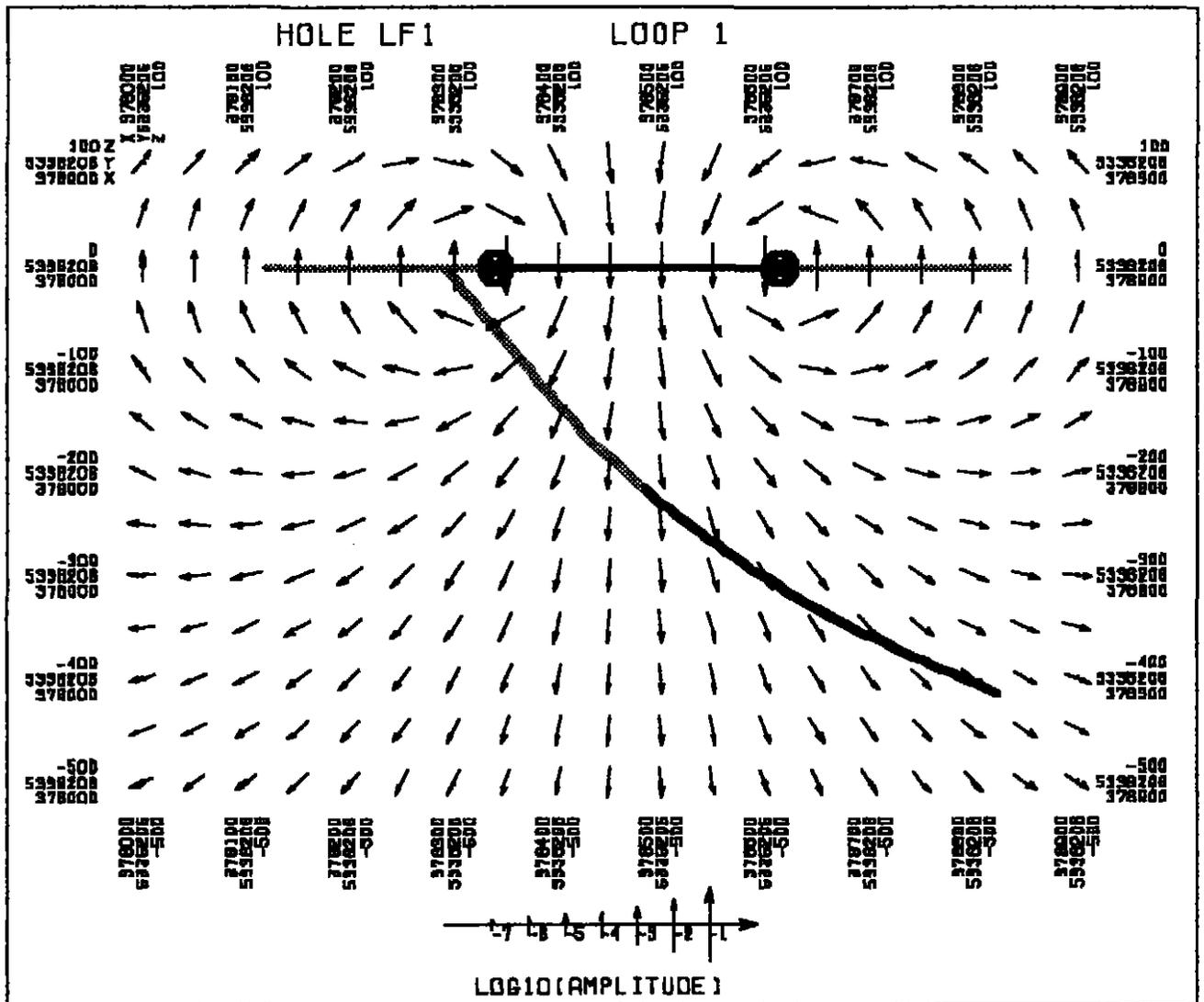
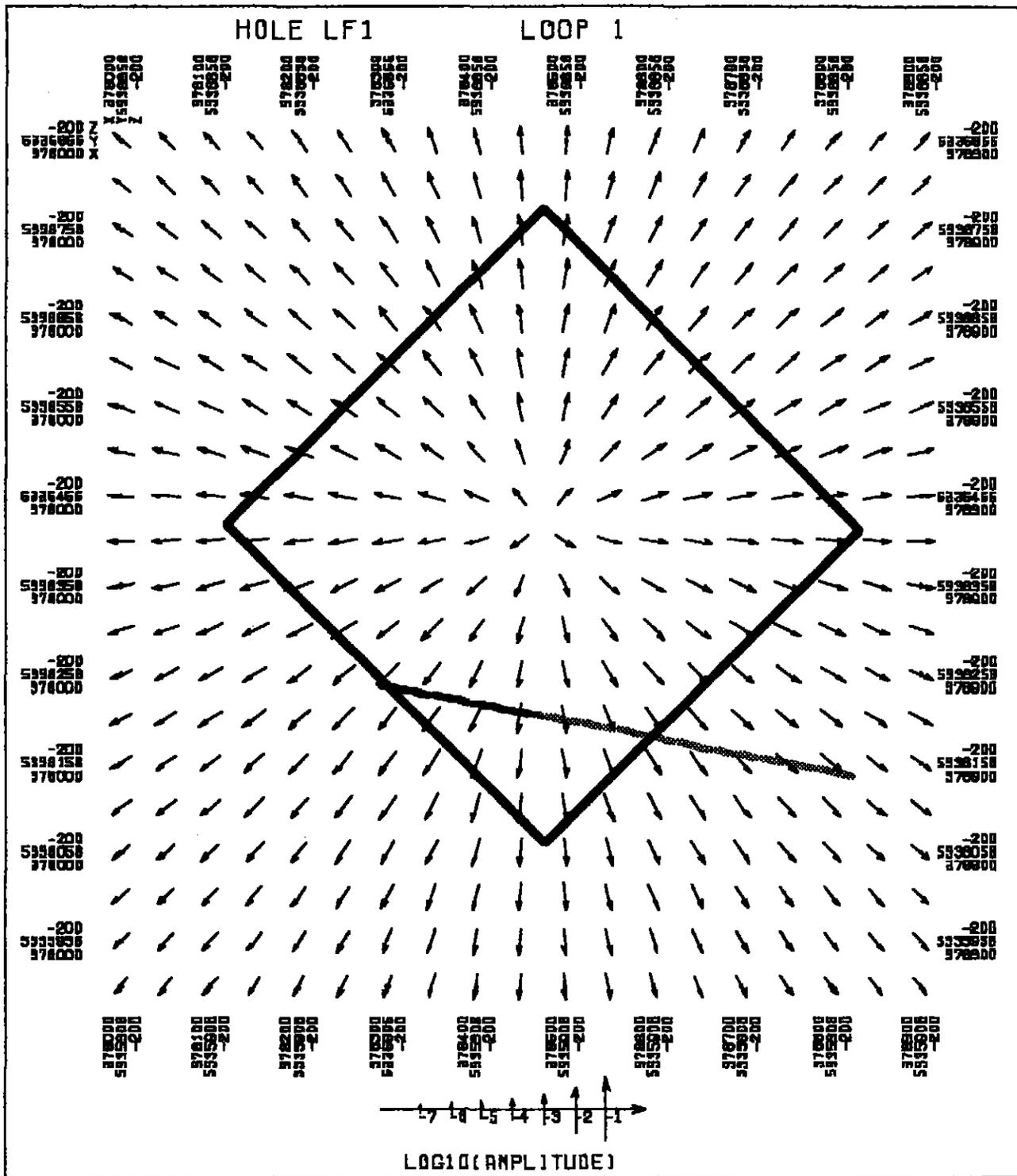
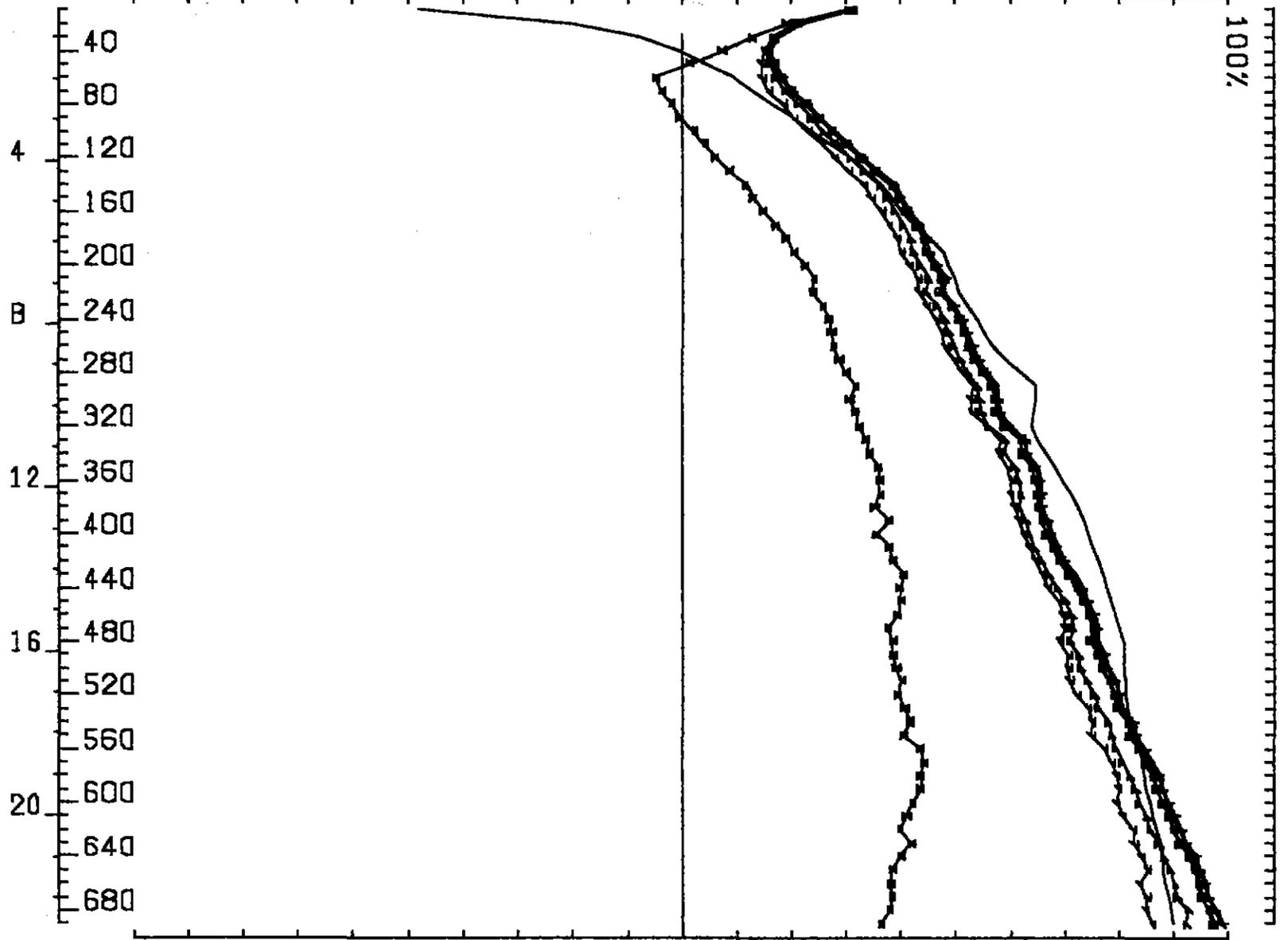


Figure 3

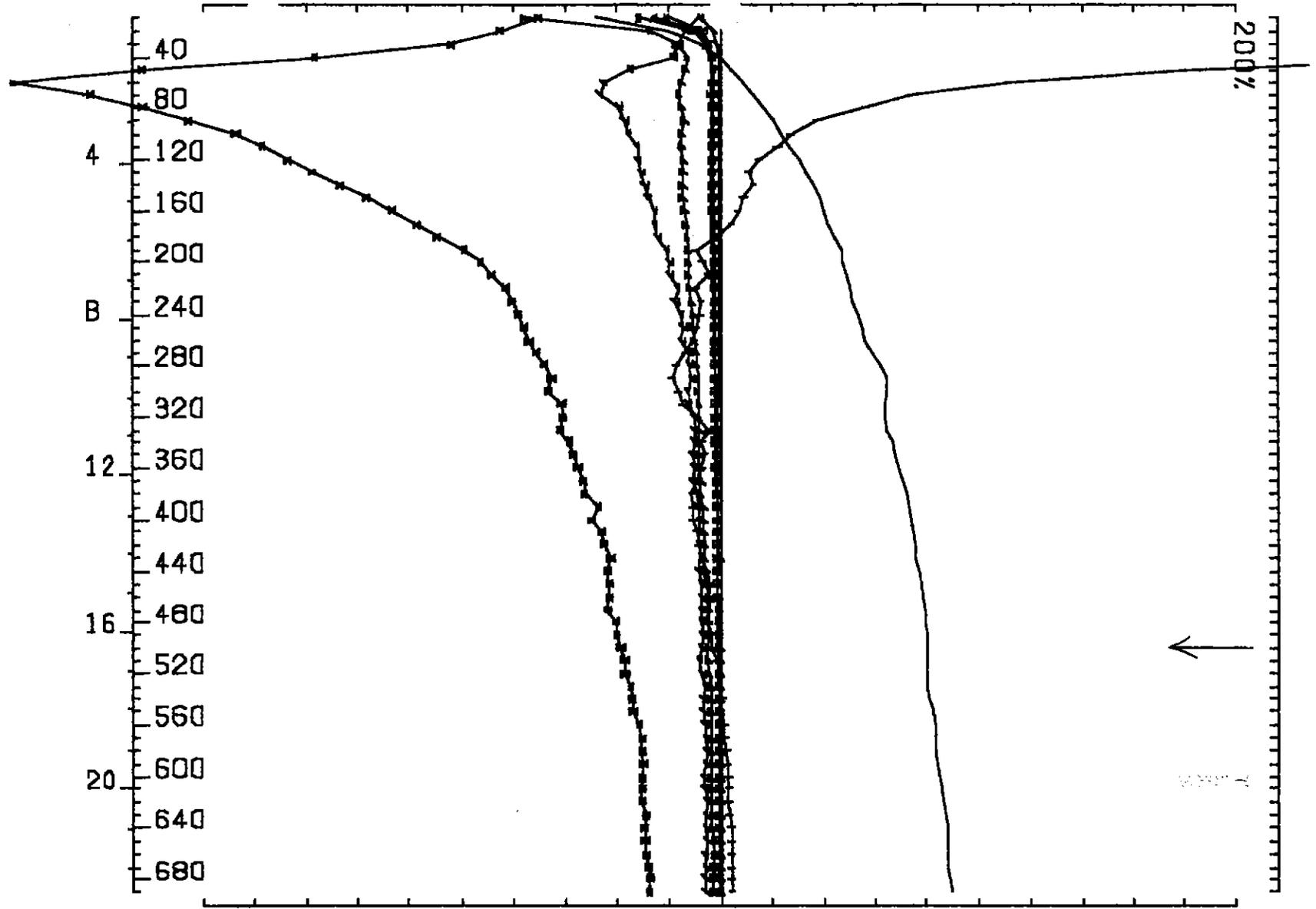


5 cm

Figure 3A



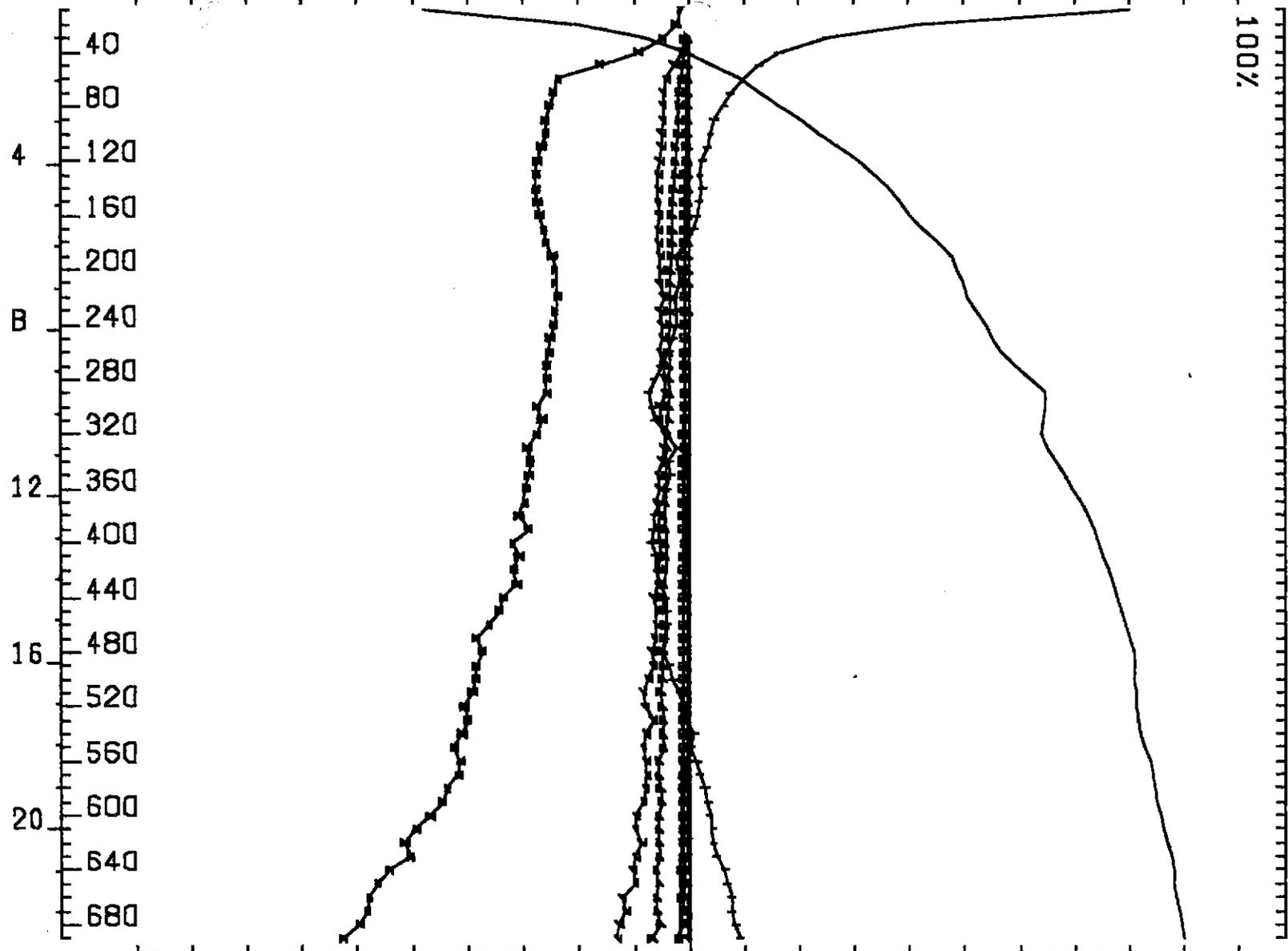
UTEM SURVEY AT LYNCHFORD FOR ABERFOYLE RESOURCES 2ND MARCH 1995
 CONDUCTED BY LAMONTAGNE GEOPHYSICS LTD JOB 9502 BASE FREQ (HZ) 43.72
 LOOP NO 1 HOLE LF1 AXIAL COMPONENT TOTAL FIELD CH1 CONTIN. NORM.



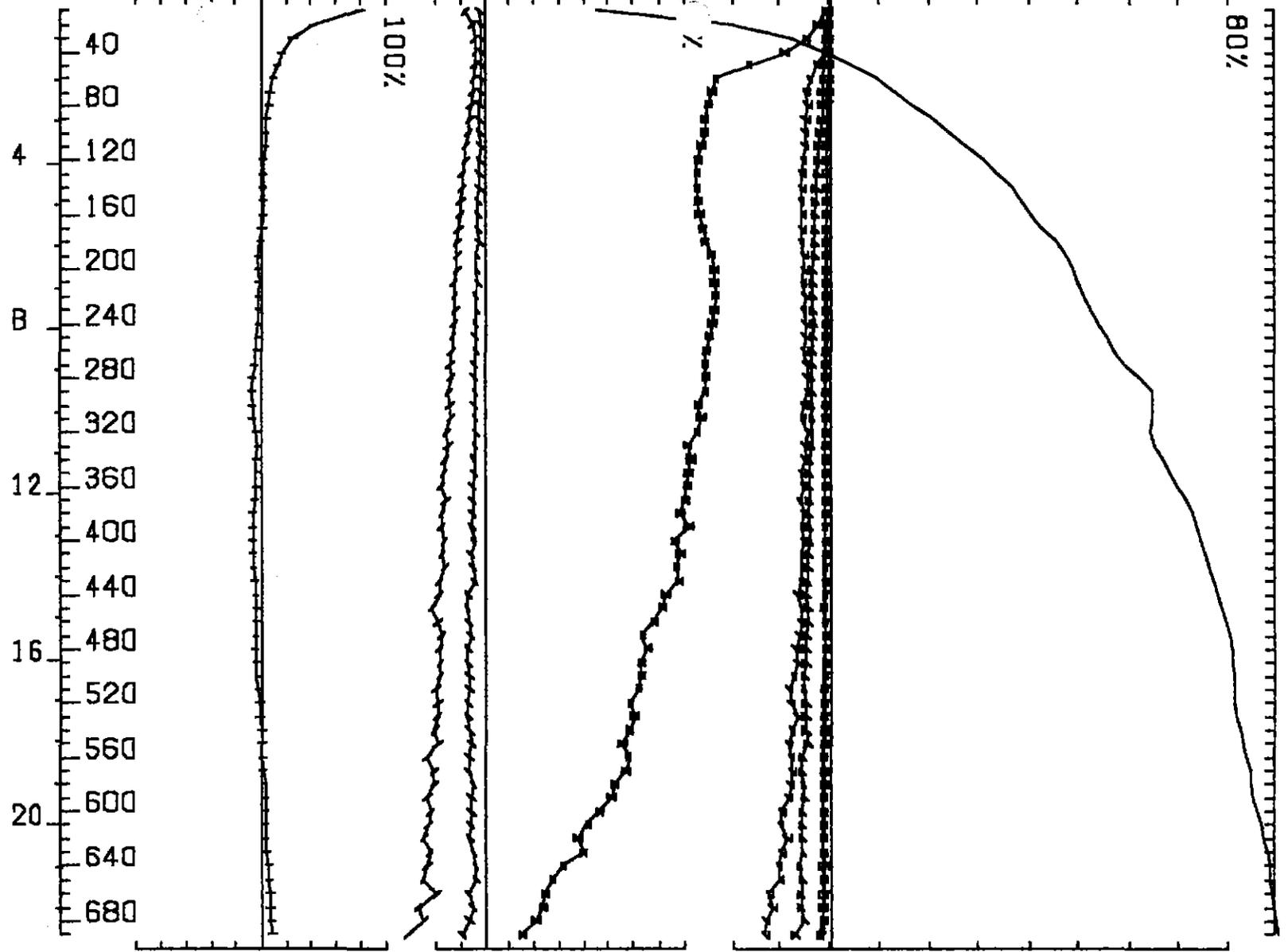
UTEM SURVEY AT LYNCHFORD FOR ABERFOYLE RESOURCES 2ND MARCH 1995
 CONDUCTED BY LAMONTAGNE GEOPHYSICS LTD JOB 9502 BASE FREQ (HZ) 43.72
 LOOP NO 1 HOLE LF1 AXIAL COMPONENT SECONDARY FIELD CH1 POINT NORM.

Figure 3C

812055



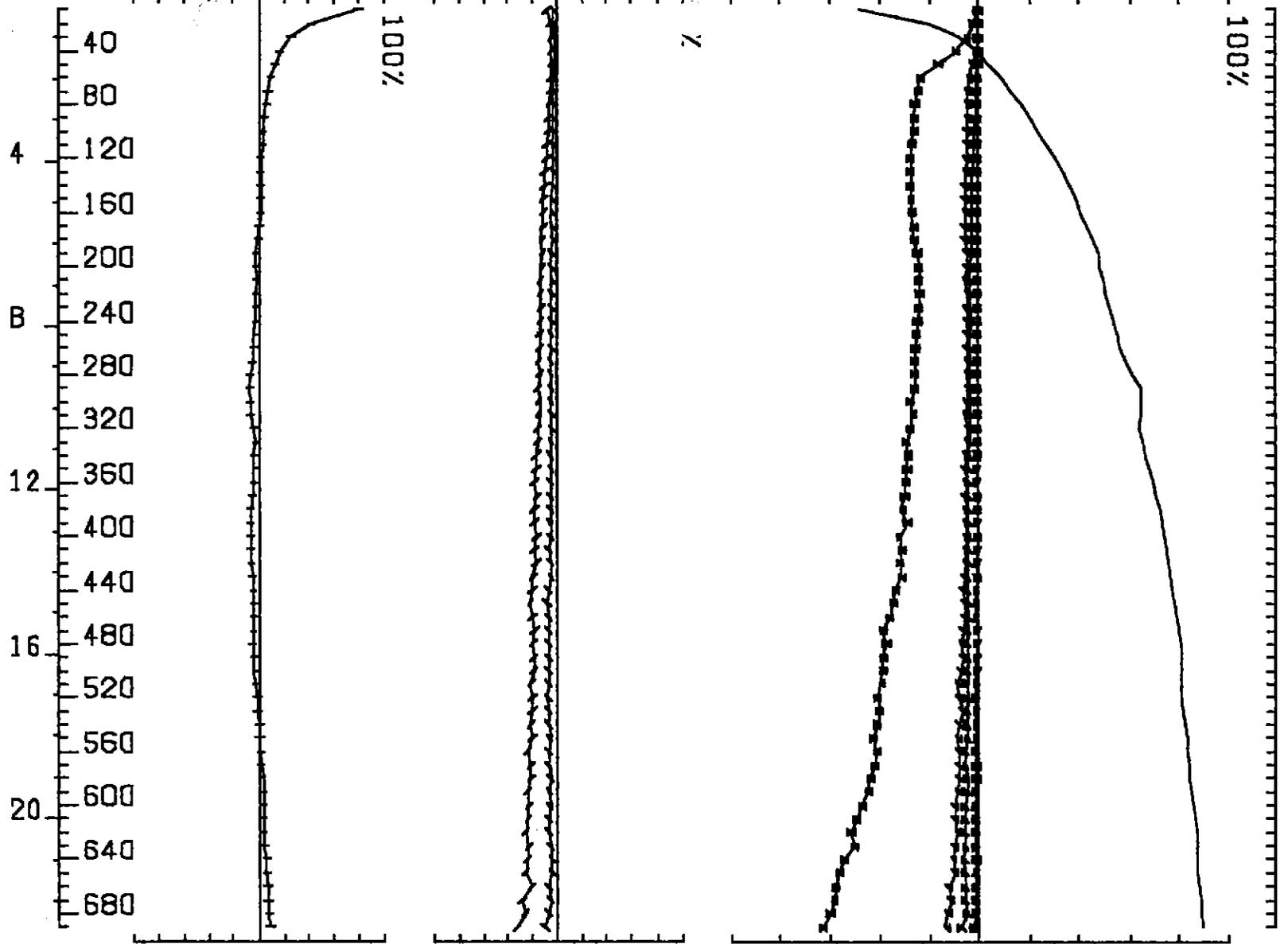
UTEM SURVEY AT LYNCHFORD FOR ABERFOYLE RESOURCES 2ND MARCH 1995
 CONDUCTED BY LAMONTAGNE GEOPHYSICS LTD JOB 9502 BASE FREQ (HZ) 43.72
 LOOP NO 1 HOLE LF1 AXIAL COMPONENT SECONDARY FIELD CH1 CONTIN. NDRM.



UTEM SURVEY AT LYNCHFORD FOR ABERFOYLE RESOURCES 2ND MARCH 1995
 CONDUCTED BY LAMONTAGNE GEOPHYSICS LTD JOB 9502 BASE FREQ (HZ) 43.72
 LOOP NO 1 HOLE LF1 AXIAL COMPONENT SECONDARY FIELD CH1 CONTIN. NDRM.

815057

Figure 3E



UTEM SURVEY AT LYNCHFORD FOR ABERFOYLE RESOURCES 2ND MARCH 1995
 CONDUCTED BY LAMONTAGNE GEOPHYSICS LTD JOB 9502 BASE FREQ (HZ) 43.72
 LOOP NO 1 HOLE LF1 AXIAL COMPONENT SECONDARY FIELD CH1 CONTIN. NDRM.

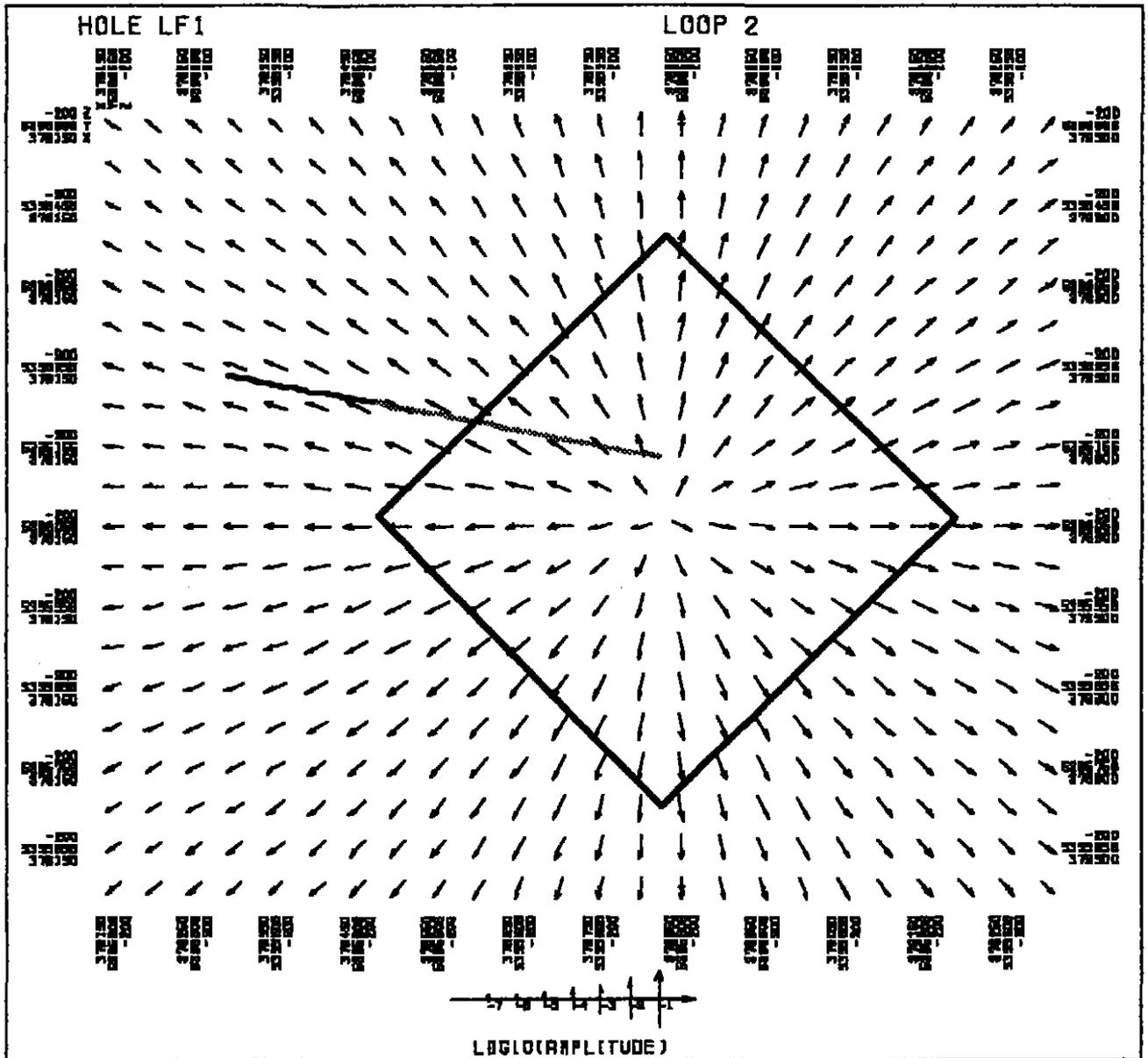
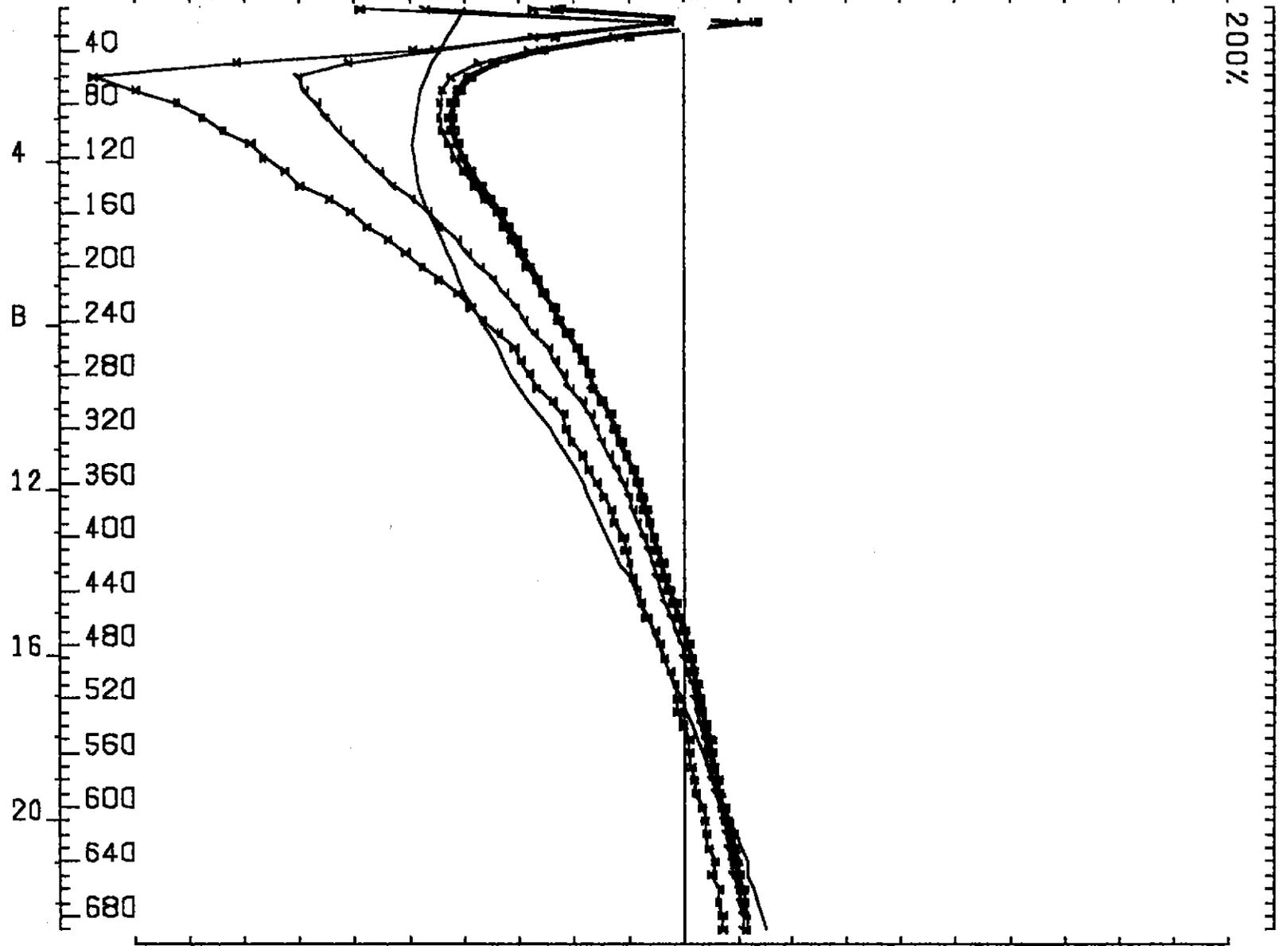
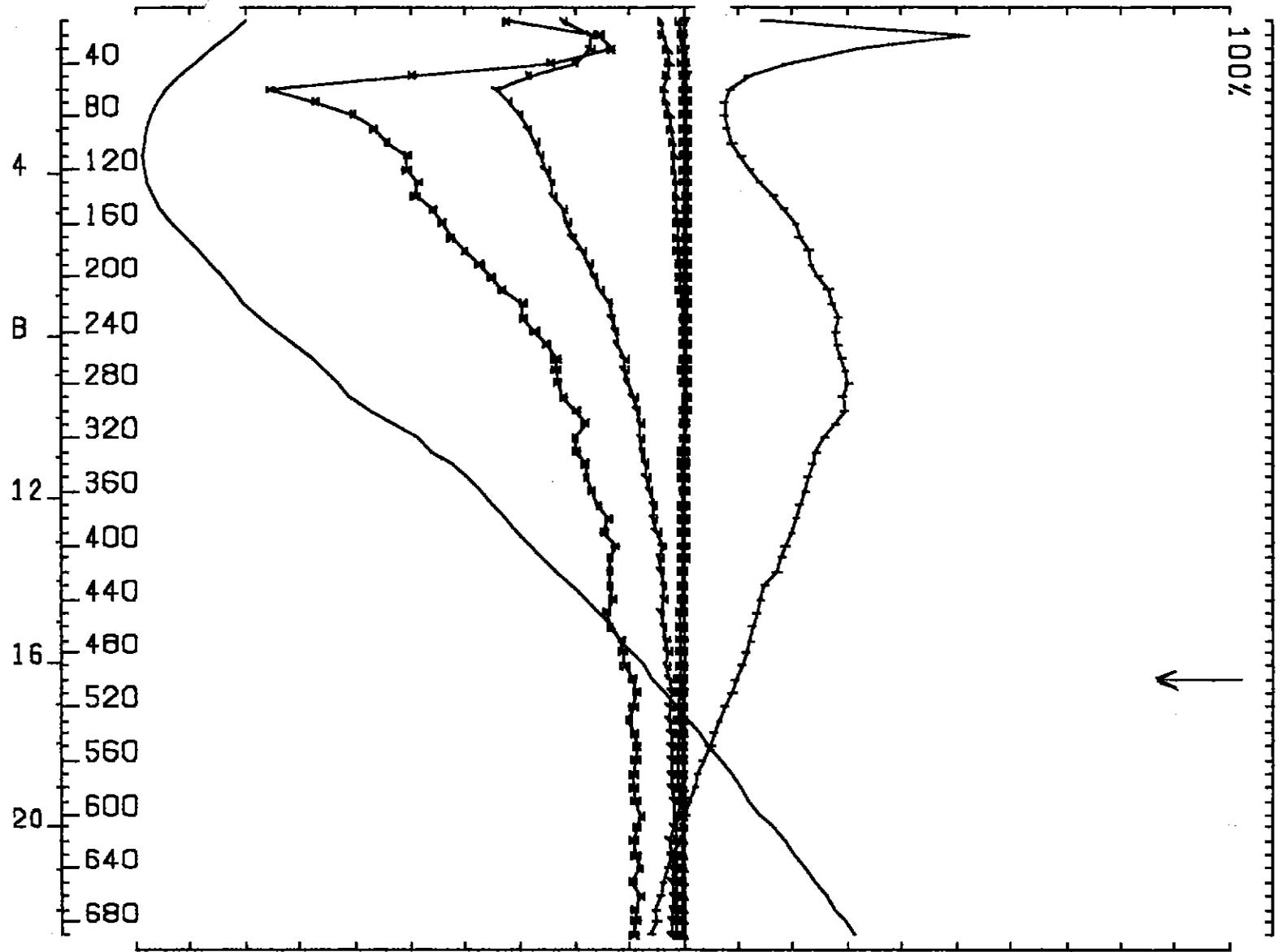


Figure 4A



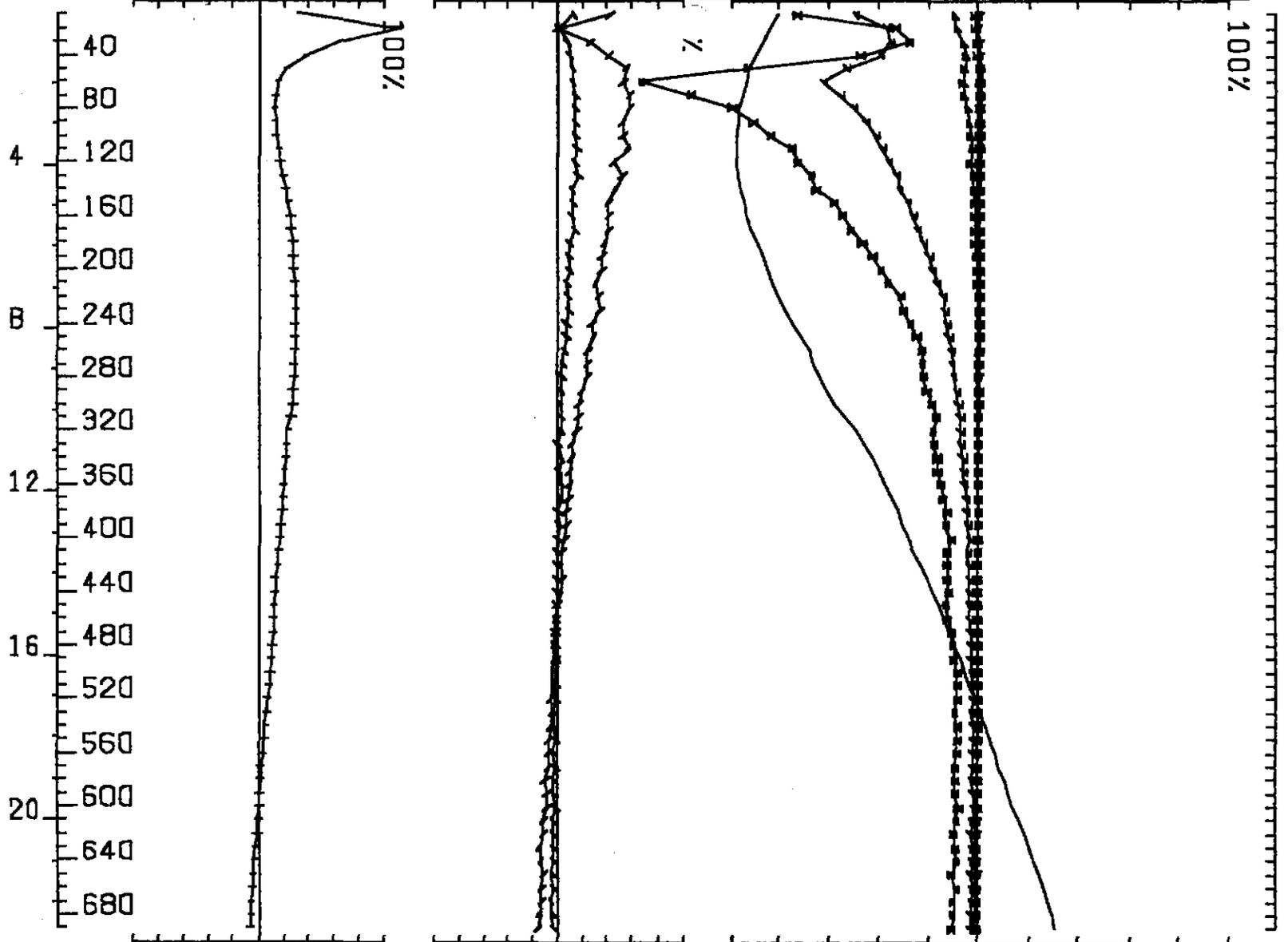
UTEM SURVEY AT LYNCHFORD FOR ABERFOYLE RESOURCES 1ST MARCH 1995
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 LOOP NO 2 HOLE LF1 AXIAL COMPONENT TOTAL FIELD CH1 CONT(N. NORM.

815001



UTEM SURVEY AT LYNCHFORD FOR ABERFOYLE RESOURCES 1ST MARCH 1995
 CONDUCTED BY LAMONTAGNE GEOPHYSICS LTD JOB 9502 BASE FREQ (HZ) 43.72
 LOOP NO 2 HOLE LF1 AXIAL COMPONENT SECONDARY FIELD CH1 POINT NORM.

817062



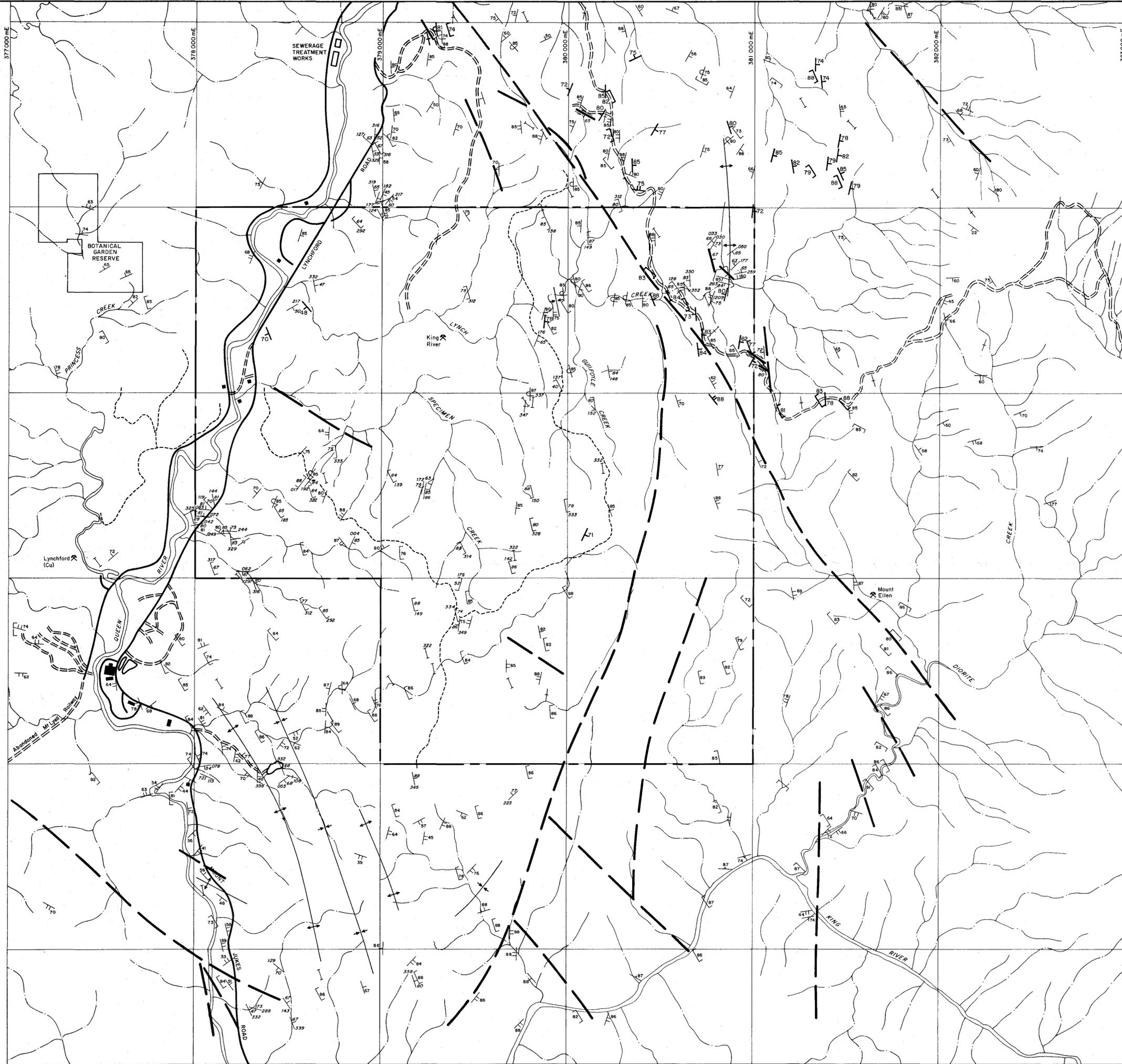
UTEM SURVEY AT LYNCHFORD FOR ABERFOYLE REBOURCES 1ST MARCH 1995
 CONDUCTED BY LAMONTAGNE GEOPHYSICS LTD JOB 9502 BASE FREQ (HZ) 43.72
 LOOP NO 2 HOLE LF1 AXIAL COMPONENT SECONDARY FIELD CH1 CONTIN. NORM.

817063

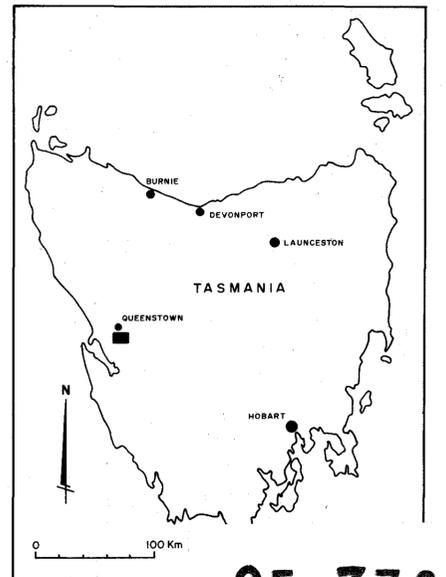
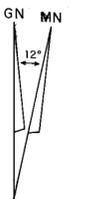
Figure 4D



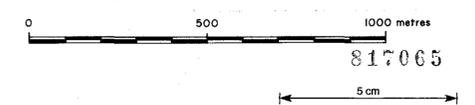
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 LOOP NO 2 HOLE LF1 AXIAL COMPONENT SECONDARY FIELD CH1 CONTIN. NDRM.



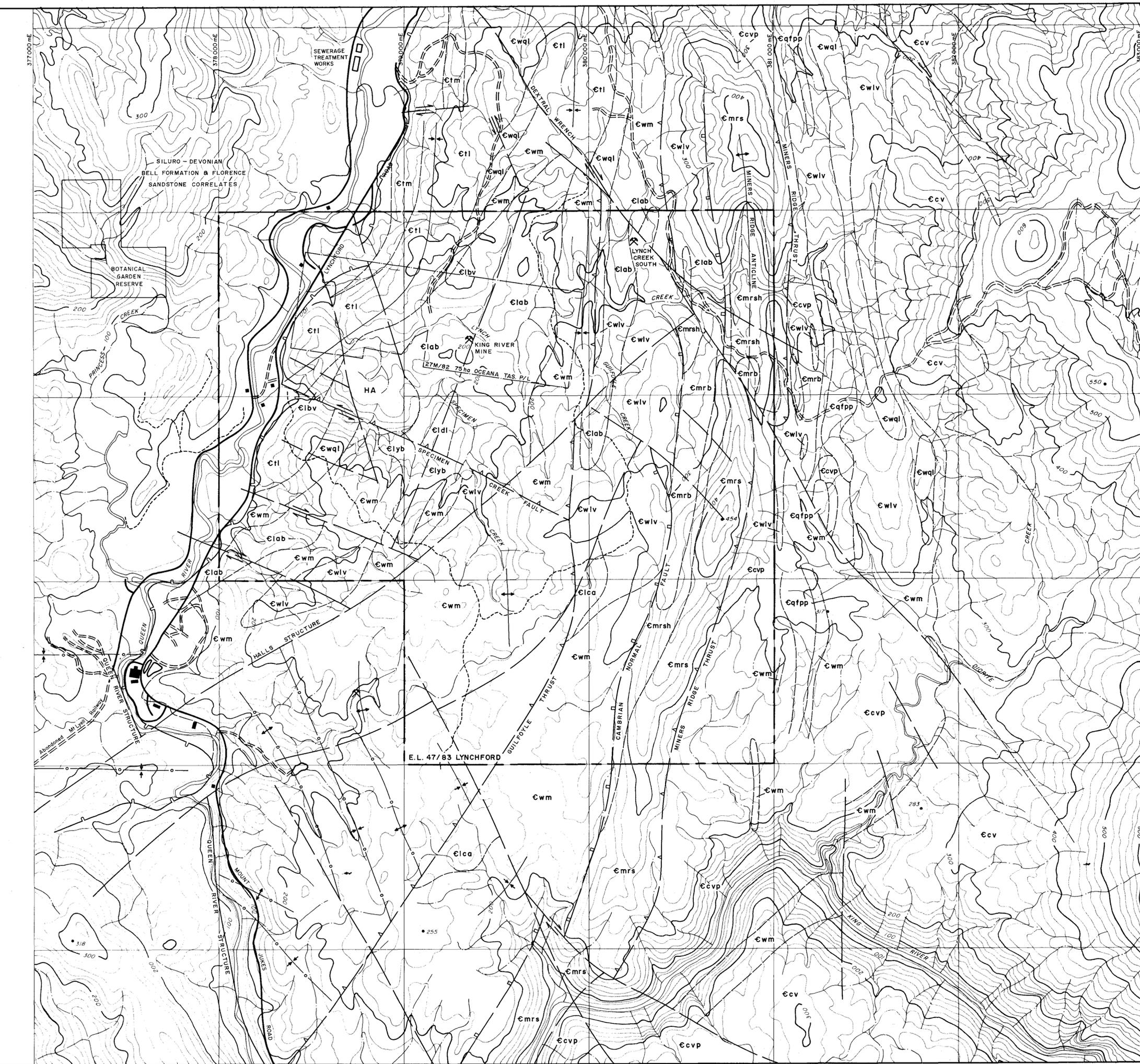
- LEGEND**
- Fault
 - Anticline
 - Syncline
 - Fold plunge
- Strike & Dip of bedding:**
- Facing known
 - Facing unknown
 - Overturned
 - Vertical
 - Strike & Dip of cleavage
 - Vertical cleavage
 - Aberfoyle data
 - Mines Dept. data (Corbett, 1978)
 - Brendan Dower (1990 Hons.)



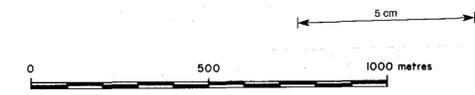
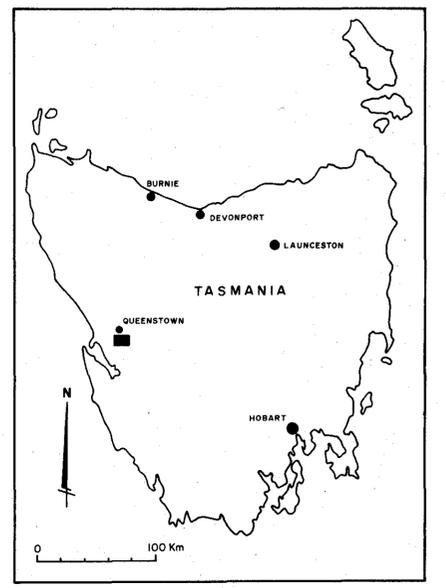
95-3706.



Aberfoyle Resources Limited																						
EXPLORATION DIVISION																						
NORTH WEST TASMANIA																						
LYNCHFORD EL 47/83																						
STRUCTURAL DATA SET COMPILATION																						
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Location Code :	K55/3	Scale :	1:10 000																			
		Date :	August 1993																			



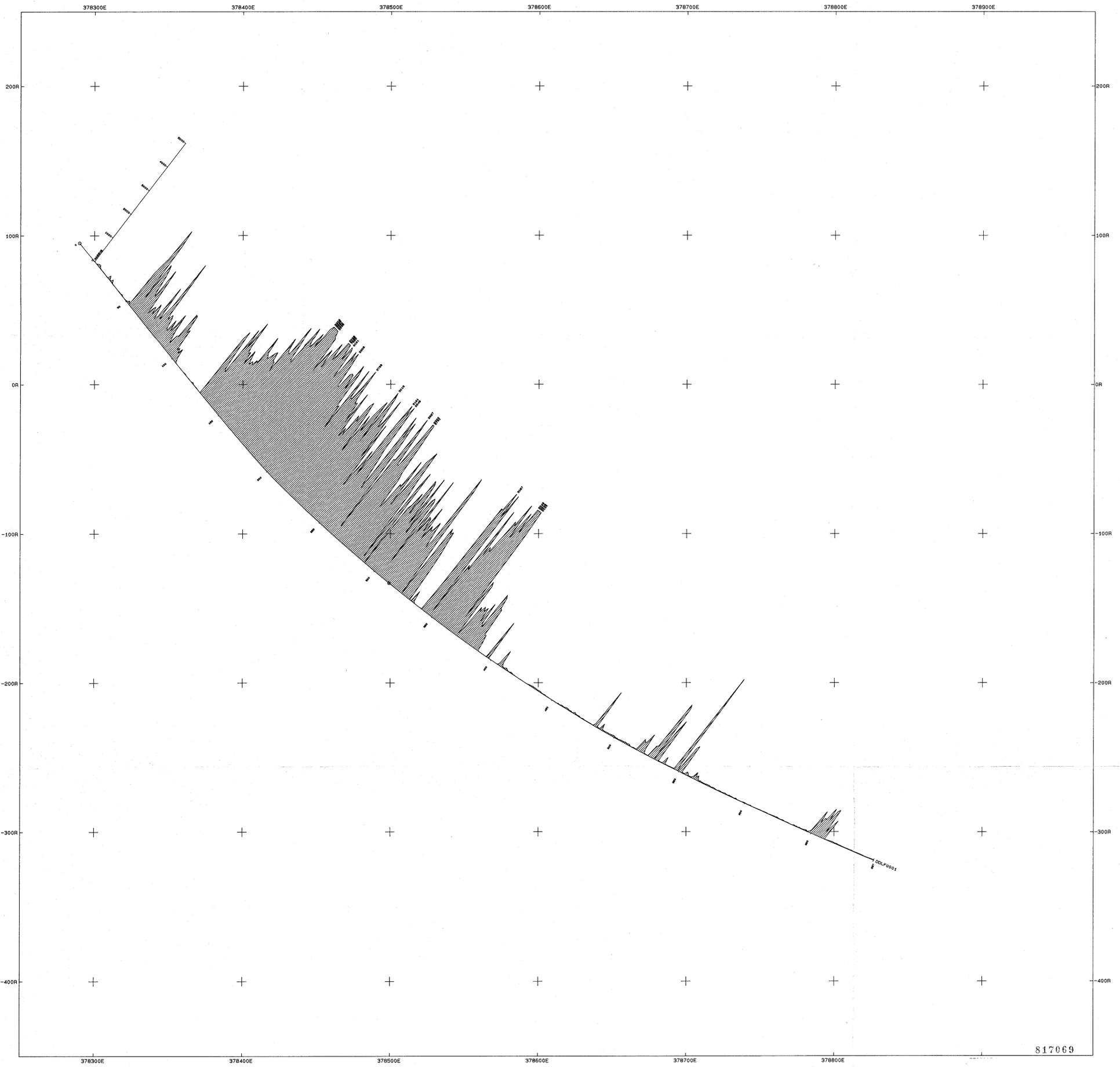
- TYNDALL GROUP**
- C1m 69 Sandstone and Mudstone
 - C11 26 Quartz lithic rich lapilli volcanoclastic; with andesitic hornblende fragments (ARA correlate) and pyroxene rich fragments (LCB correlate)
- QUE - HELLYER EQUIVALENTS**
- C1bv 65 Quartz haematite Breccia Volcanoclastic
 - C1yb 42 Polymict basaltic lapilli volcanoclastic
 - C1ca 48 Feldspar hornblende phryic lava/breccia, correlate to Crown Hill-Anthony Road Andesites.
 - C1ab 46 Lynch Creek Basalt lavas and breccias with minor dacitic lavas indicated.
 - HA 8 Highly Sericite altered andesite/basalt.
- YOLANDE RIVER SEQUENCE**
- Cwql 41 Quartz rich tuff, medium to coarse with shale/pumiceous clasts
 - Cwlv 51 Fine grained vitric tuff and shale with interbedded tuffaceous greywacke and crystal tuff.
 - Cwm 68 Interbedded shale, slate and sandstones.
- CENTRAL VOLCANIC COMPLEX**
- Ccvp 20 Intrusive and extrusive quartz feldspar porphyry
 - Ccv 10 Undifferentiated rhyolite/dacite lavas/volcanoclastics
 - Cqfpp 56 Feldspar quartz pyroxene porphyry
- MINERS RIDGE GROUP**
- Cmrsh 36 Black shale, siltstone, sandstones associated with Miners Ridge Sandstone/Basalt.
 - Cmrs 32 Quartz rich sandstone (Miners Ridge Sandstone).
 - Cmrb 49 Miners Ridge Basalt: Tholeiitic basalt.
- Geological Boundary
- Fault (with movement indicated)
- Thrust Fault
- Normal Fault
- Unconformity
- Cambrian Syncline, anticline
- Devonian Syncline, Anticline



817067 **95-3706**

Aberfoyle Re EXPLORA1		NORTH WEST TASMANIA LYNCHFORD E.L. 47/83 SPECIMEN CREEK AREA INTERPRETIVE GEOLOGY		Compiled: R.S. Drawn: J.M.S. Traced: Checked: R.S. Plate No: LYN 66
REVISIONS Int. Date Int. Date RB jms 4-9-93		Location Code: K55/3 Scale: 1:10 000 Date: SEPTEMBER 1993		

PROGRAM: LF1
 PROJECT: EL47/83
 DATE: 10/02/95
 DRAWN: [Name]
 CHECKED: [Name]
 APPROVED: [Name]
 SCALE: 1:1000
 SHEET: 1 OF 1
 SECTION: 38200N
 LOCATION: [Coordinates]
 PROJECT NO.: 95-3706



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95-3706.

REVISIONS Date Date Date _____ _____ _____			TASHANIA EL47/83 Lynford SECTION 38200N LF1 - Magnetic Susceptibility	Revision: [] Drawn: [] Checked: [] Approved: [] Date: 10/02/95 Scale: 1:1000
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