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A B E R F O Y L E

EXPLORATION LICENCE 8209 "HOME OF BULLION EAST"

ANNUAL REPORT ON EXPLORATION FOR THE YEAR ENDED 21st September 1995

Distribution:

NTDME	(1)
ARL Adelaide	(1)
ARL Melbourne	(1)
Home of Bullion Syndicate	(1)

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Australia Gold

October 1995
ARL Report No. Home of Bullion East 1

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1. INTRODUCTION

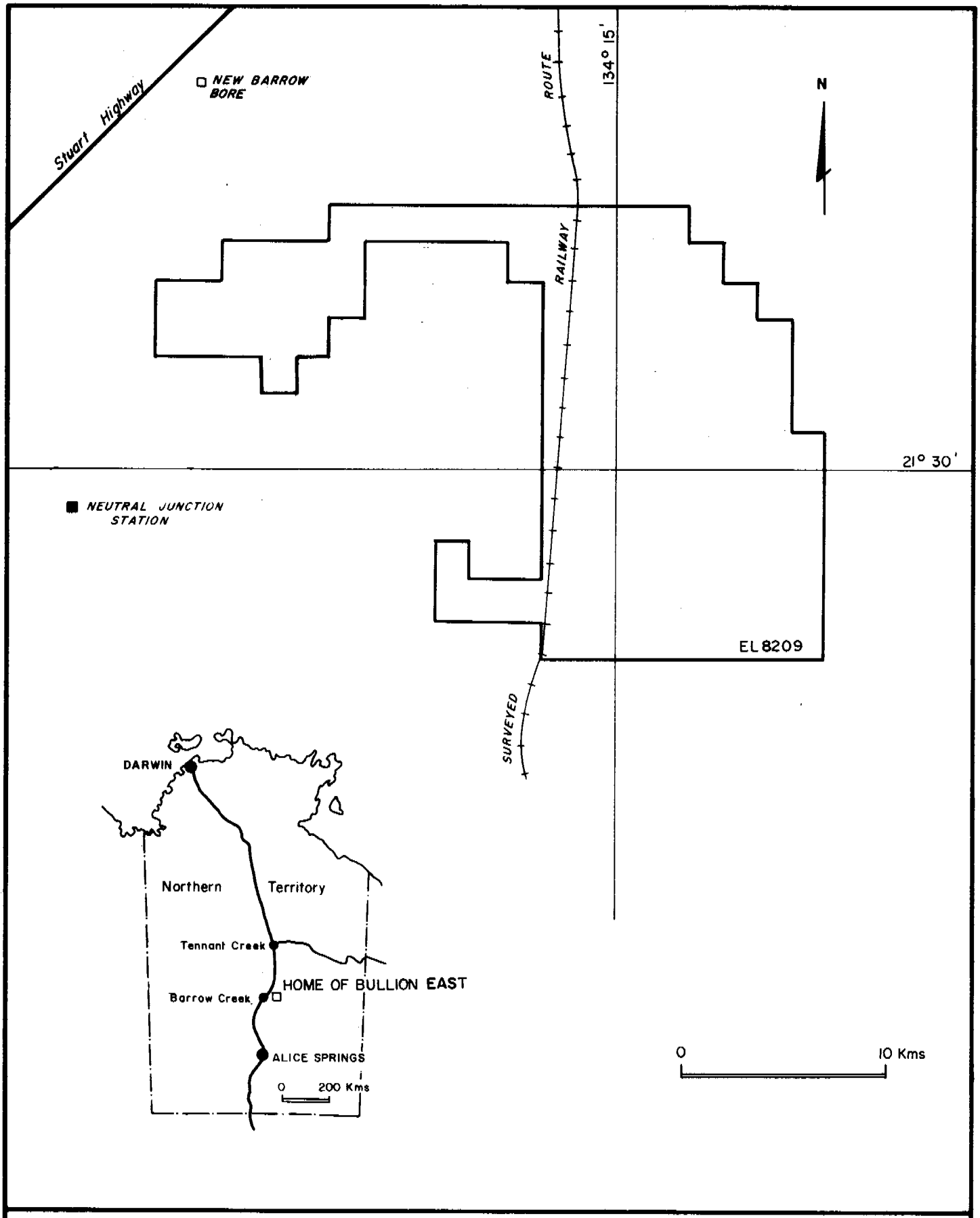
EL 8209 "Home of Bullion East" is situated east of the Stuart Highway near Barrow Creek in the Northern Territory (Figure 1). It coincides with parts of Neutral Junction and Murray Downs Stations (Perpetual Pastoral Lease No's. 969 and 881 respectively).

The mineralisation target on EL 8209 was originally Cu-Pb-Zn-Ag-Au of similar style to the Old Home of Bullion deposit in adjacent EL 6910. However, re-evaluation of the area following acquisition of regional aeromagnetic datasets flown by AGSO and NTDME led us to believe the area to be highly prospective for epigenetic gold mineralisation. Subsequent exploration on EL 8209 has therefore been directed towards the discovery of economic gold deposits.

2. TENURE

EL 8209 (356 square kilometres) was initially granted on 22nd September 1993 to Aberfoyle Resources Limited (ARL) for a period of six years.

EL 8209 along with adjacent EL's 6910 and 8717 are subject to a joint venture agreement between Aberfoyle Resources Limited and the Bullion Syndicate (Messrs J F Allender, A F G Le Brun, A J Hosking and K R Yates). Under the terms of the joint venture, Aberfoyle acts as manager.



Aberfoyle Resources Limited

EXPLORATION DIVISION

FIGURE 1

REVISIONS			
Init.	Date	Init.	Date

Location Code :

NORTHERN TERRITORY

EL 8209 HOME OF BULLION EAST

LOCATION PLAN

Scale : 1 : 250,000

Date : JANUARY 1995

Compiled : CGD

Drawn : CGD

Traced : NB

Checked : CGD

Plate No. : HOB 46

1511

The second anniversary of granting is a 50% reduction date for EL 8209. A deferral has been applied for, and an application for a Substitution Exploration Licence (SEL 9367) covering the areas of EL's 6910, 8717 and 8209 is currently lodged with the Northern Territory Department of Mines and Energy.

An annual exploration expenditure commitment of $49,500 applied to EL 8209 for the second year of tenure. A total of $119,500 has been spent on the licence in this period.

3. WORK COMPLETED

3.1 Summary

- RC and diamond drill testing of a surface EM anomaly
- Downhole EM on the diamond hole
- Petrology on core from the diamond hole
- Minor line clearing for rig access
- Ground magnetics along cleared RAB lines to further define aeromagnetic anomalies
- RAB geochemical traverses over aeromagnetic anomalies

3.2 RC and Diamond Drilling

The surface EM anomaly located in the first year of tenure in the northwest of the EL was tested. Longyear were contracted to complete two reverse circulation percussion holes (RP1 and RP2) and one diamond hole with a percussion precollar (PD3).

Mechanical and other problems resulted in the two percussion holes being abandoned before reaching their target depth. Hole locations are shown on Figure 2.

3.2.1 Percussion Drillhole RP1

Summary Information

Hole ID:	RPSF-1
Drilling Method:	RC percussion
Contractor:	Longyear
Rig Type:	GK 850
Collar Co-ordinates (AMG):	Easting 409280mE
	Northing 7631995mN
Hole Inclination:	60^0
Hole Azimuth:	225^0 AMG
Total Depth:	69m
Target:	EM Conductor
Total Depth:	~100m
Casing:	None

A cross section showing RP1 appears on Figure 3. The geological log of RP1 is included in Appendix 1 and geochemical assays in Appendix 2.

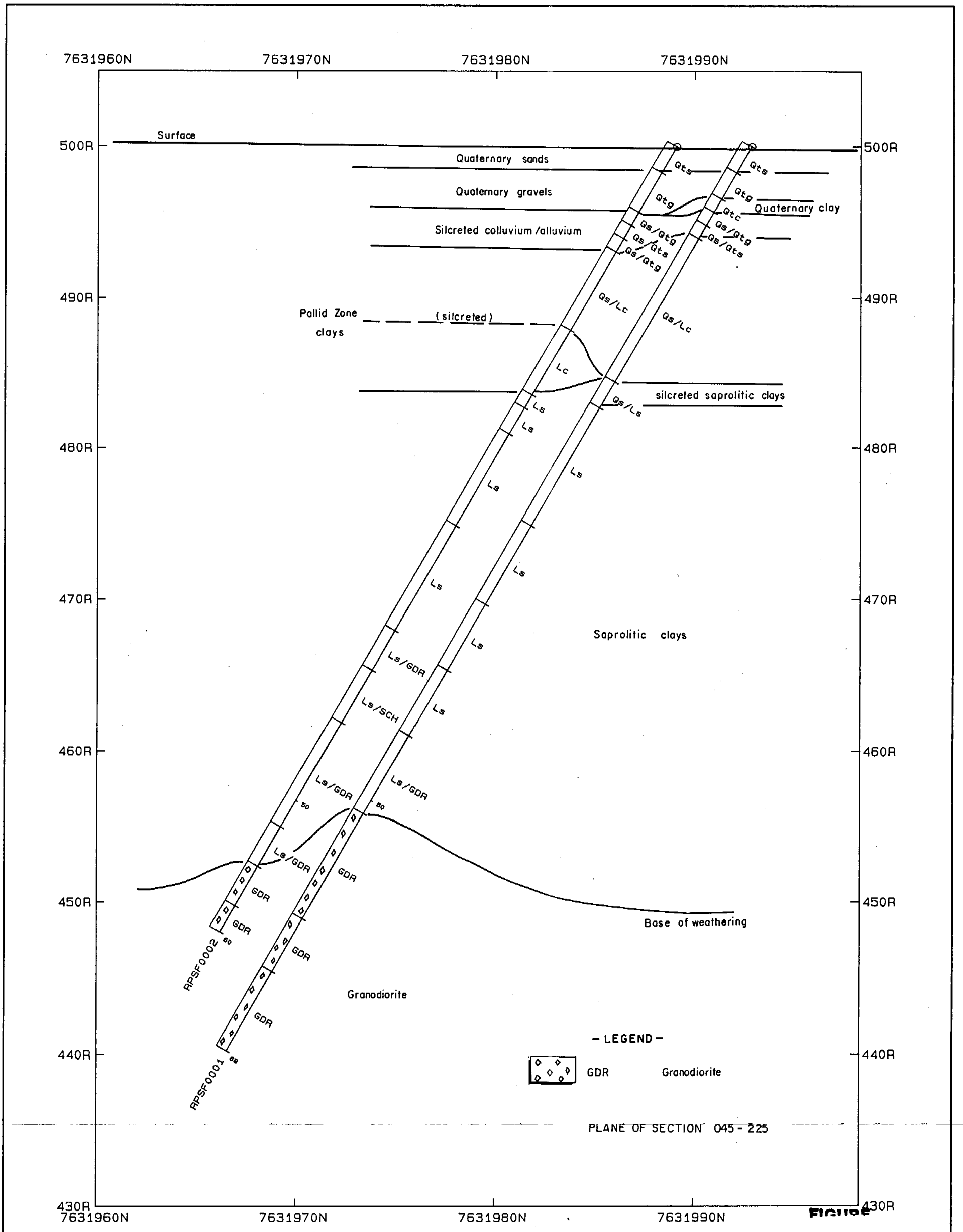


FIGURE 3

Aberfoyle Resources Limited EXPLORATION DIVISION			
REVISIONS Init. | Date | Init. | Date	Northern Territory HOME OF BULLION JOINT VENTURE SAFARI PROSPECT PDH RP1 and RP2 Cross Section		Compiled: KSH Drawn: Traced: Checked:
Location Code: SF53-6	Scale: 1 : 250	Date: 12/10/95	Plate No.: HBE 3

Lithology

0-2m	transported sand
2-4m	transported gravel
4-5m	transported clay
5-7m	silcreted transported sand and gravel
7-18m	silcreted plasmic clays
18-20m	silcreted saprolitic clays
20-45m	saprolitic clays
45-51m	grandiorite saprock
51-63m	weathered granodiorite
63-69m	fresh granodiorite

The weathering profile in RP1 is interpreted to be an eroded lateritic profile with ferruginous cap and mottled zone absent, but plasmic and saprolitic clay zones well developed and preserved.

The granodiorite is a relatively coarse grained undeformed intrusive rock.

Magnetic Susceptibility

Magnetic susceptibility readings were made on each metre sample and recorded on the drill log. Below the base of weathering low levels of magnetite were present in all samples. Magnetic susceptibility is plotted with geochemical assays on Figure 4.

Geochemistry

Samples for geochemical analysis were composited over 2 metre intervals. For each interval a 1-2kg sample for Au, and a 150g sample for base metals was taken. Amdel Laboratories carried out the analyses.

The gold samples were pulverised in a mixer mill and a 50g charge split off. Au was determined by fire assay with an ICP-MS finish (Amdel method FA3M) which has a lower detection limit of 0.1ppb Au.

The base metal samples were pulverised in a zirconia mill and analytes prepared using a mixed acid digestion. A suite of elements were determined using a combination of ICP-OES and ICP-MS methods (Amdel methods IC3E and IC3M). Stacked histograms of the assay results for RP1 are shown on Figures 4 and 5.

3.2.2 Percussion Drillhole RP2

Summary Information

Hole ID:	RPSF-2
Drilling Method:	RC percussion
Contractor:	Longyear
Rig Type:	GK 850
Collar Co-ordinates (AMG):	Easting 409276mE
	Northing 7631991mN
Hole Inclination:	-60^0
Hole Azimuth:	225^0 AMG
Total Depth:	60m
Target:	EM Conductor
Total Depth:	~100m
Casing:	None

A cross section showing RP2 appears on Figure 3. The geological log of RP2 is included in Appendix 1 and geochemical assays in Appendix 2.

0-2m	transported sand
2-5m	transported gravel
5-8m	silcreted transported sands and gravels
8-14m	silcreted plasmic clays
14-19m	plasmic clays
19-37m	saprolitic clays
37-40m	granodiorite saprock
40-44m	schistose saprock
44-55m	granodiorite saprock
55-58m	weathered granodiorite
58-60m	fresh granodiorite

The weathering profile in RP2 is also interpreted to be an eroded lateritic profile with plasmic and saprolite clay zones well-developed and preserved.

The granodiorite is a coarse-grained undeformed intrusive as in RP1, except for a schistose interval at 40-44m.

Magnetic Susceptibility

Readings were taken in the same way as for RP1, but were not taken below the base of weathering, and consequently little magnetite was present. Magnetic susceptibility is plotted with geochemistry on Figure 4.

Geochemistry

Samples for geochemical analysis were composited over 2 metre intervals. For each interval a 1-2kg sample for Au, and a 150gm sample for base metals was taken. Amdel Laboratories carried out for analyses.

The gold samples were pulverised in a mixer mill and a 50gm charge split off. Au was determined by fire assay with an ICP-MS finish (Amdel method FA3M) which has a lower detection limit of 0.1ppb Au.

The base metal samples were pulverised in a zirconia mill and analytes prepared using a mixed acid digestion. A suite of elements were determined using a combination of ICP-OES and ICP-MS methods (Amdel methods IC3E and IC3M). Stacked histograms of the assay results for RP2 are shown on Figures 6 and 7.

3.2.3 Precollared Diamond Drillhole PD3

Summary Information

Hole ID:	PDSF-3
Drilling Method:	Diamond with Percussion Precollar
Contractor:	Longyear
Rig Type:	GK 850
Collar Co-ordinates (AMG):	Easting 409425mE Northing 7631835mN
Hole Inclination:	-60^0
Hole Azimuth:	225^0 AMG
Total Depth:	150.20m
Core Size:	NQ
Target:	EM Conductor
Total Depth:	~100m
Casing:	Cased to 150.2m with 50mm ID PVC

A cross section showing PD3 appears on Figure 8. The geological log of PD3 is included in Appendix 1 and geochemical assays in Appendix 2.

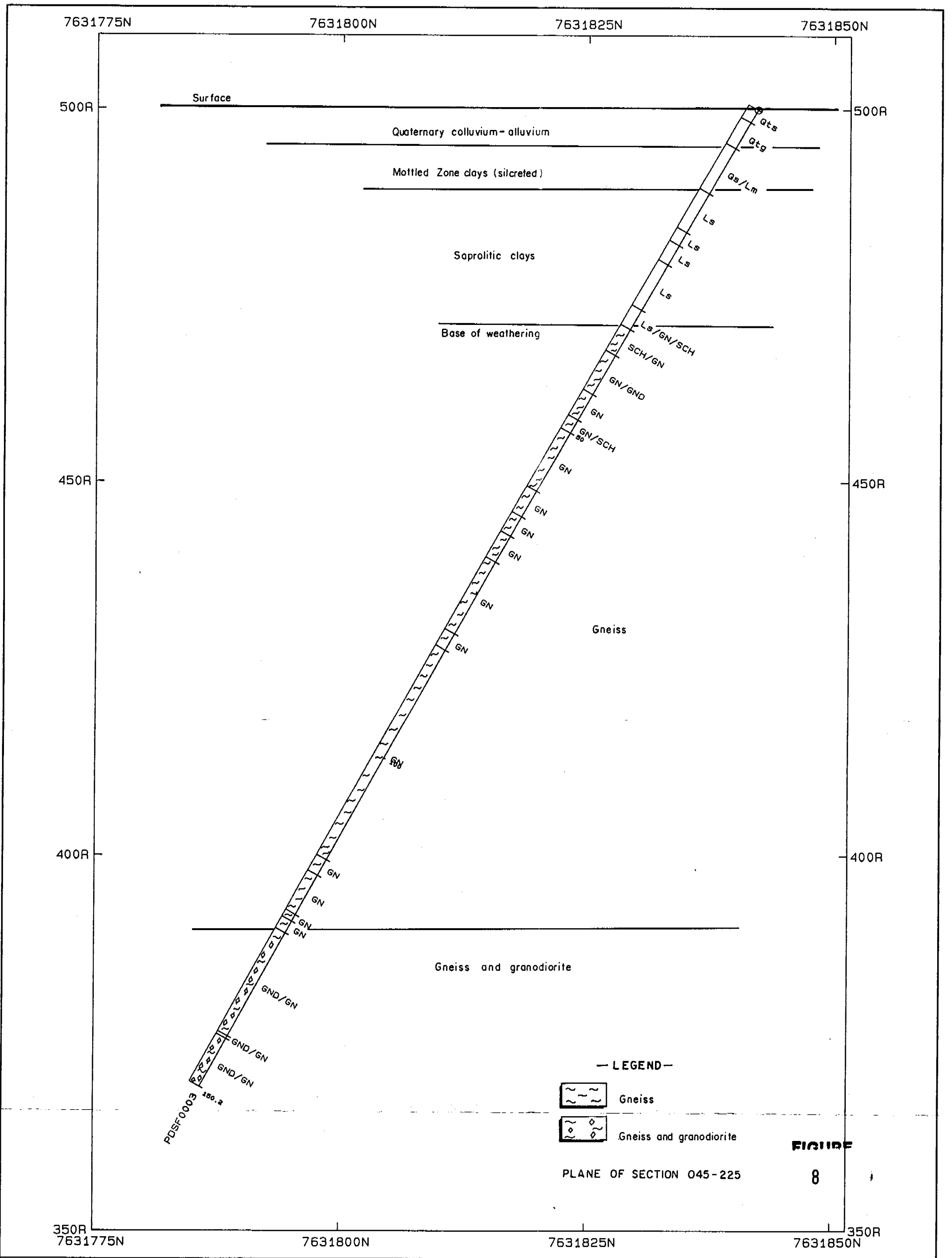


FIGURE 8

Aberfoyle Resources Limited EXPLORATION DIVISION			
REVISIONS Init. / Date / Init. / Date	Northern Territory HOME OF BULLION JOINT VENTURE SAFARI PROSPECT DDH PD3 Cross Section		Compiled: KSH Drawn: Traced: Checked:
Location Code: SF53-6	Scale: 1 : 500	Date: 12/10/95	Plate No.: HBE-4

Lithology

0-2m	transported sand
2-6m	transported gravel
6-13m	silcreted mottled clays
13-31m	saprolitic clays
31-34m	gneissic/schistose saprock
34-38m	weathered gneiss/schist
38-44m	gneiss and granodiorite (fresh rock)
44-48m	gneiss
48-50m	gneiss and schist
50-126.8m	gneiss
126.8-150.2m	gneiss and granodiorite

Sulphide Mineralisation

Trace levels of pyrite occur on joint planes at 88-89m and 121.5-146m. Disseminated and veinlet pyrite is present in trace amounts at 146-150.2m.

Structure

Small rubble and pug-filled fractures are common from 118m on. A 20cm quartz vein occurs at 122.2m, and a narrow zone of rehealed fault breccia at 98.6m.

Petrology

Two consultants, A C Purvis (Pontifex and Associates Pty Ltd) and L A I Wyborn (AGSO) were contracted to examine thin sections from DDH PD3. Their reports are found in Appendix 4.

Magnetic Susceptibililty

Magnetic susceptibility readings were taken at 1 metre intervals, from percussion chips in the precollar and NQ core in the diamond tail. Magnetite contents were generally very low. Magnetic susceptibility is plotted with geochemical assays on Figure 6.

Geochemistry

The precollar of PD3 was sampled in the same way as for RP1. Diamond core was sampled either by splitting with a diamond saw, or grinding with a diamond wheel. Analytical techniques were the same as used for RP1.

Stacked histograms of the assay results are presented in Figures 9 and 10 and assays in Appendix 2.

Geophysics

A downhole EM survey was conducted on DDH PD3. Results and discussion may be found in the geophysicist's report in Appendix 3.

3.3 RAB Drilling

Three lines of rotary airblast drilling at 100m spaced centres over aeromagnetic features were completed on the EL. A line drilled on adjacent EL 6910 also extends onto EL 8209 for a distance of one hole. Hole locations are shown on Figure 2, and drill logs appear in Appendix 5. All drilling was completed by Stadcote Drilling Pty Ltd using an Edson 2000 rig.

Line 8 covers, with Line 9, the northern extent of the Safari magnetic feature. It comprises 12 holes for a total of 555m, hole ID's RO-08-129 to RO-08-141. Most holes terminated in a felsic intrusive, with some evidence of planar fabric development at the northeastern end of the line. Gold values were generally very low. Sections showing geology and geochemistry are found in Figure 11.

Line 9 1km NW of Line 8 , comprises 11 holes for a total of 463m. Hole ID's are RO-09-142 to RO-09-151. As with Line 8, Line 9 is underlain by an underformed felsic intrusive for most of its length, weak gneissic textures only appearing in the NE. Gold values were once again low. Sections showing geology and geochemistry are found in Figure 12.

Line 27

Drilled over the Oriental magnetic feature. It consists of 11 holes for a total of 400m, hole ID's RO-27379 to RO-27-389. Most holes terminated in an underformed felsic to intermediate intrusive. The contact between this unit and a narrow band of sheared and schistose rocks (RO-385 to RO-387) yielded a small combined base metals high. Gold values were negligible. Sections showing geology and geochemistry are found in Figure 13.

RO-30-405

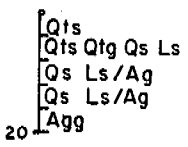
Covers that part of the West Theby magnetic feature which extends onto EL 8209. It is 20m deep, terminates in a felsic intrusive and is not Au anomalous. Summary sections are shown on Figure 14.

Geochemistry

Equal-volume composites of RAB cuttings over three metres were taken. These were prepared for analysis by Amdel Laboratories in Alice Springs and analysed by Amdel Adelaide. Gold was determined by fire assay with MS finish (Amdel method FA3M) and Cu, Zn, Pb, Fe, Mn, As and Bi by mixed acid digest followed by ICP-OES (Amdel method IC3E). Assays are presented in Appendix 6.

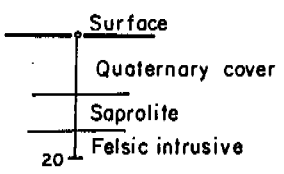
GEOLOGICAL LOG

RO 30 405



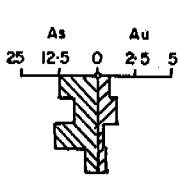
GEOLOGICAL INTERPRETATION

RO 30 405



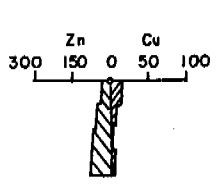
GEOCHEMISTRY - Au, As

RO 30 405



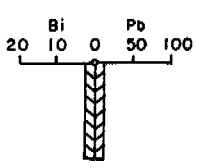
GEOCHEMISTRY - Cu, Zn

RO 30 405



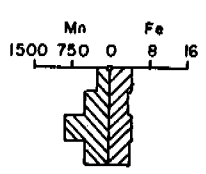
GEOCHEMISTRY - Pb, Bi

RO 30 405



GEOCHEMISTRY - Fe, Mn

RO 30 405



Horizontal Scale 1 : 2500

Vertical Exaggeration X2

NOTE : All geochemical values are in ppm except Au (ppb)

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EXPLORATION DIVISION

FIGURE 14

REVISIONS			
Init.	Date	Init.	Date

Location Code :

NORTHERN TERRITORY GOLD PROJECT
HOME OF BULLION JOINT VENTURE
EL 8209 - HOME OF BULLION EAST
WEST THEBY MAGNETIC TARGET RAB HOLE RO-30-405
GEOLOGY - GEOCHEMISTRY

Scale : 1:2500 | Date : Oct 1995

Compiled : CGD, KSH
Drawn :
Traced : NB
Checked :
Plate No. : HBE 12

151-1

Geophysics

Ground magnetics were read over all drill lines, using a Scintrex ENVIMAG magnetometer. This data is presented in Appendix 7, with RAB Lines 8, 9 and 27 corresponding to Magnetics Loops/Lines 8, 9 and 10 respectively.

5. PROPOSED PROGRAMME AND BUDGET

As mentioned earlier, the area of EL 8209 is included in the area currently under application as SEL 9367. The proposed programme for the first year of the SEL is as follows:

Geological mapping/regolith interpretation from Landsat	$ 24,000
Ground magnetic traverses	$ 6,000
6,500m RAB over magnetically defined stratigraphy, including access	$110,00
Surface rock chip geochemistry	$ 10,000
Total	$150,000

Of this total, work proposed for the area of EL 8209 includes two 1km long lines of RAB drilling stepped out 500m from the weak base metal anomaly noted on RAB Line 27, and approximately 2 line km of extensions to the RAB lines covering the West Theby magnetic feature (most of which lies in EL 6910).

Also, RAB samples not submitted for assay at the time of drilling will be analysed. It is now considered that the saving in assay costs represented by selectively assaying only a percentage of samples from any given holes does not outweigh the risk that geochemical anomalism will be muted thereby.

A minimum expenditure of $40,000 on the area of EL 8209 is anticipated for the 1996 year of tenure.

ABERFOYLE RESOURCES LIMITED
EXPLORATION DIVISION

EXPLORATION LICENCE 8209 "HOME OF BULLION EAST"

SUMMARY OF EXPENDITURE
FOR THE YEAR ENDED
21st September 1995

GEOLOGY	$ 18,796.42
GEOPHYSICS	6,913.59
GEOCHEMISTRY	74.54
RAB DRILLING	29,291.71
DIAMOND DRILLING	21,641.11
PERCUSSION DRILLING	9,366.53
ACCESS	11,515.88
REHABILITATION	1,000.00
TENURE	2,418.50
LEGAL	1,354.41
OTHER SERVICES	1,444.64
ADMINISTRATION	15,759.09
TOTAL	$119,576.42

APPENDIX 1

DRILL LOGS
RP1, RP2 & PD3

ABBREVIATIONS USED IN GEOLOGICAL LOGS

LITHOLOGY

Rock Type	Snd	sand
	Cly	clay
	Ist	ironstone
	Sic	silcrete
	Qtz	quartz
	Chl	chlorite
	PEG	pegmatite
	GND	granite
	GDR	granodiorite
	Dol	dolerite
	AMP	amphibolite
	SCH	schist
	GN	gneiss
	Sst	meta psammite
	FBM	ferruginous mafic
Colour	RB	red-brown
	Wh	white
	Cr	cream
	Br	brown
	Gn	green
	Pk	pink
	Or	orange
	Gy	grey
Prefix	L	light
	D	dark
Texture	Ig	igneous
	Sc	schistose
	Ma	massive
	Gn	gneissic
	Xx	fragmetal/breccia
	Mo	mottled
	Sh	sheared
	Bn	banded
	Pg	pegmatoidal

Weathering

Style	L	leached
	O	oxidised
Intensity	5	strong
	4	
	3	
	2	
	1	weak

Lower Contact

Gradation	S	sharp
	G	gradational
Style	F	fault
	1	gradational over <10cm
	2	gradational over <100cm

ALTERATION

Intensity	5	strong
	4	
	3	
	2	
	1	weak
Texture	P	pervasive
	V, Vn	vein
	Vs	vein selvage
Mineralogy	chl	chlorite
	amph	amphibole
	ser	sericite
	kfs	K-feldspar
	hem	hematite
	mag, mt	magnetite
	epi	epidote
	ser plag	sericitised plagioclase

MINERALISATION

Texture	Ds	disseminated
	JP	joint plane coating
	Vn	vein
	Sh	sheared
Mineralogy & Contents	Py	pyrite
	Po	pyrrhotite
	Cpy	chalcopyrite
	Aspy	arsenopyrite
	tr	trace

STRUCTURES

Type	V	vein
	f	fault
	C	cleavage/shearing
	B	lithological contact
Gouge/Fill	qtz	quartz
	cal	calcite
	kfs	K-feldspar
	hem	hematite
	chl	chlorite
	Ru	rubble

[redacted] Resources Limited
EXPLORATION DIVISION

PERCUSSION DRILL LOG

COLLAR NORTH 9000N | AZIMUTH 220 Mag | DRILLER [redacted] | 1 OF
COLLAR EAST 5580E | COMMENCED 22-10-94 | RIG TYPE
RL 500 | COMPLETED | TOTAL DEPTH

LICENCE/PROSPECT SAFARI / HOME OF BULLION EAST

Sample No.	Depth	LITHOLOGY: Stratigraphy	Rock Type	Colour	Texture	Weath: Style	Weath: Intensity	ALTERATION: Intensity	Texture	Mineralogy	MINERALISATION: Texture	Mineralogy and Contents	Mag.Susc.	AMG CO-ORDS: 4092806 7631995N COMMENTS
JM4001	0-1		Snd, Cly	RB		O	S						1.13	START 11am
001	1-2		"	"		"	"						0.86	
002	2-3		Snd, Cly, Gvl	RB Cly		"	"						2.20	Contains water worn pebbles of Rust? River Gravel.
002	3-4		Cly, Gvl	Cr Br		OL	S						0.40	leached.
003	4-5		Cly, Sch? Sic	"	Sc?	"	"						0.26	Poss Sch (grow) + Silcrete
	5-6		Sic, Gvl, Cly	"		"	"						3.64	mixed gravels, Rust + Sch ete
004	6-7		Sic	Cr									0.53	Silcrete
	7-8		"	LCly									0.32	"
005	8-9		"	"									0.15	"
	9-10		"	"									0.18	"
006	10-11		Sic, Cly	"		L	S						0.12	" + minor Mafic and granite?
	11-12		"	LGr Wh		"	"						0.12	Silcrete + wh cly
007	12-13		"	"		"	"						0.12	+ qtz (tourm / black sulph) veins
	13-14		"	"		"	"						0.08	poss ext Sic but weathered Gist
008	14-15		"	"		"	"						0.18	A/A
	15-16		Cly	LBr		O	S						0.26	"
009	16-17		Cly, Grd?	LCly		"	"						0.15	
	17-18		"	"		"	"						0.11	
010	18-19		Cly, Fec? Grd	Br		O	S						0.28	minor A/A + many fe ox granules
	19-20		"	"		"	"						0.15	A/A poss fe stained Sic Gist

" = same as above

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PERCUSSION DRILL LOG

HOLE ID: KPD001 | DIP: -60 | GEOLOGIST: CAD | PAGE: 2 OF

COLLAR NORTH: 9000 | AZIMUTH: 220° | DRILLER: LOWEYER

COLLAR EAST: 5580 | COMMENCED: 22-10 | RIG TYPE:

LICENCE/PROSPECT: SAFARI / HOME OF BULLION EAST | RL: 300 | COMPLETED: | TOTAL DEPTH:

Sample No.	Depth	LITHOLOGY						ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath Style	Weath Intensity	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
774011	20-21		Cly	LBr		a	5						0.10	cly + qtz grains
	21-22		"	Br		"	"						0.46	"
012	22-23		"	"		"	"						0.11	"
	23-24		"	"		"	"						0.22	"
013	24-25		"	"		"	"						0.30	"
	25-26		"	"		"	"						0.18	"
014	26-27		"	"		"	"						0.16	" 774015
	27-28		Cly	"		"	"						0.14	minor Mo after 2hr
016	28-29		"	"		"	"						0.09	drg again
	29-30		"	BrLm		"	4						0.24	
017	30-31		"	"		"	"						0.26	micaceous clys
	31-32		"	"		"	"						0.36	"
018	32-33		"	"		"	"						0.44	"
	33-34		"	"		"	3						0.39	" + hr SCM
019	34-35		"	"		"	"						0.44	+qtz
	35-36		"	LmBr		"	"						0.36	"
020	36-37		"	"		"	"						0.33	"
	37-38		"	"		"	"						0.44	"
021	38-39		"	"		"	"						0.40	" (+ ex
	39-40		"	"		"	"						0.24	Problem: recovery

Aberfoyle Resources Limited
EXPLORATION DIVISION

PERCUSSION DRILL LOG

[redacted] ID [redacted] D[redacted] GE[redacted]ST [redacted] PAGE 3 OF [redacted]

COLLAR NORTH 9000 | AZIMUTH 220° | DRILLER LOCKYER

COLLAR EAST 5580 | COMMENCED 21-16 | RIG TYPE

RL 500 | COMPLETED | TOTAL DEPTH

LICENCE/PROSPECT SAFARI / HOME OF BULLION EAST

Sample No.	Depth	LITHOLOGY						ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath Style	Weath Intensity	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
774022	40-41		Cly	Blue		"	"						0.26	weath SCH? freshening
	41-42		"	"		"	"						0.24	"
023	42-43		"	"		"	"						0.31	minor goethite chips
	43-44		"	"		"	"						0.35	SCHIST?? chertic
024	44-45		"	"	Sc	"	2						0.35	minor qtz+mus SCH Breakdown 10:45am.
	45-46		Cly SCH	"	"	"	"						0.20	Restart 11:30 "
025	46-47		"	"	"	"	"						0.31	
	47-48		"	"	"	"	"						0.51	
026	48-49		"	Blue		"	"						0.63	+ goethite chips
	49-50		"	"	Sc	"	"						0.70	poss Sandy beds + phyllosilicate SCH.
027	50-51		Cly SCH GND	"	Sc Ig	"	"						0.89	minor GND? qtz+plag+bio
	51-52		GND	Grey	Ig	"	1						0.81	CARBONATE
028	52-53		"	Cly Br	"	0	"						1.37	weathered
	53-54		"	Br	"	"	"						0.77	minor qtz+oxide veinlets
029	54-55		"	Br Cly	"	"	"						1.66	774030 2ppb Standard
	55-56		"	"	"	"	"						1.61	blocky qtz high bio/orthoc content
030	56-57		"	"	"	"	"						1.67	"
	57-58		"	"	"	"	"						1.97	
032	58-59		"	"	"	"	"						1.51	shattered oxidised
	59-60		"	Br	"	"	"						1.31	red stained feldspars

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: KP 0001 | DIP: -60 | GEOLOGIST: CAD | PAGE: 4
COLLAR NORTH: 9000 | AZIMUTH: 220°M | DRILLER: LOKYEAR | OF: 4
COLLAR EAST: 5580 | COMMENCED: 22-10-94 | RIG TYPE: GK850
RL: | COMPLETED: 25-10-94 | TOTAL DEPTH: 69m
LICENCE/PROSPECT: SAFARI / HOLE OF BULLION EAST

Sample No.	Depth	LITHOLOGY						ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath Style	Weath Intensity	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
774 033	60-61		GND	Br	Eq	0	1						1·18	
	61-62		"	"	"	"	"						1·47	
034	62-63		"	"	"	"	"						1·82	
	63-64		"	GyBk	"								0·20	high mafic cont
035	64-65		"	"	"								2·04	"
	65-66		"	"	"								1·87	"
036	66-67		"	"	"								1·46	"
	67-68		"	"	"								1·49	" broke down 12:30
037	68-69		"	"	"								1·10	RESTART 10:15 25/10/94
														Hammer full of cuttings.
														Rolled Rods. Bogged Rods
														ABANDONED HOLE BEFA
														RUNNING RODS UP & DOW
														HOLE HAS CAUSED MAJOR PR
														WITH THE SMALL AMOUNT
														GROUND WATER INTERSECTE

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

[redacted] HOL [redacted] K [redacted] [redacted] Z [redacted] - [redacted] LOGI [redacted] CC [redacted]

COLLAR NORTH 9000 | AZIMUTH 220°M | DRILLER LOCKYEAR | PAGE 1

COLLAR EAST 5575 | COMMENCED 26.10.94 | RIG TYPE GKB50 | OF

RL | COMPLETED | TOTAL DEPTH

LICENCE/PROSPECT SAFARI / HOME OF BULLION EAST

Sample No.	Depth	LITHOLOGY						ALTERATION			MINERALISATION		GEOPHY.	5m to SW of RP1. COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath Style	Weath Intensity	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
774038	0-1		Snd, Cly	RB		O	5						0.90	REDRILL OF RP1 5m to SW
	1-2		"	"		"	"						0.88	
039	2-3		Gvl, Snd	RB		"	"						2.04	rounded pebbles
	3-4		Sic, Snd	LBrCly		OL	5						0.46	
040	4-5		Sic Snd, Pis	"		"							1.86	+ minor pisolites
	5-6		Sic	LCly		"	-						0.10	
041	6-7		"	"		"	"						0.21	
	7-8		Sic, Pis, Gvl	"		"	"						1.78	+ minor pist rounded gravel (contam?)
042	8-9		Sic	LCly		"	"						0.17	
	9-10		Sic Cly	LCly/wh		L	"						0.14	
043	10-11		"	"		"	"						0.14	
	11-12		Sic GND, Cly	"		"	"						0.21	ex GND + Silcrete + clay
044	12-13		Cly, GND	"		"	4						0.23	
	13-14		Cly, GND, Sic?	"		"	"						0.16	silcrete again? more cly
046	14-15		Cly	wh		L	5						0.09	774045 2ppb Standard
	15-16		"	"		"	"						0.12	
047	16-17		"	"		"	"						0.08	minor weathered clays (GND?)
	17-18		Cly GND?	WhLCly		"	"						0.13	minor grey clay (Gvl? or Grit? or ?)
048	18-19		"	"		"	"						0.12	"
	19-20		"	Br		LO	5						0.20	weathered Fe ox's (Poss minor SRM?)

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PERCUSSION DRILL LOG

HOL [redacted] K [redacted] | [redacted] 2 [redacted] | [redacted] | LOGGED: CAD

COLLAR NORTH: 9000N | AZIMUTH: 220M | DRILLER: LOWLYEAR

COLLAR EAST: | COMMENCED: 25-10-94 | RIG TYPE: GKB50

RL: | COMPLETED: | TOTAL DEPTH:

PAGE 2 OF

LICENCE/PROSPECT: HOME OF BULLION EAST / SAFARI

Sample No.	Depth	LITHOLOGY						ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath Style	Weath Intensity	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
774049	20-21		Clay, GND?	LBr		LO	5						0.31	
	21-22		"	LBr LGr		"	"						0.15	weath GND?
050	22-23		"	DBr		LO	"						0.26	"
	23-24		Clay	"		"	"						0.18	Poss weakly Schistose but very c
051	24-25		"	"		"	"						0.31	mica clys? slightly moist
	25-26		"	"		"	"						0.36	
052	26-27		"	"		"	"						0.22	
	27-28		"	"		"	"						0.35	
053	28-29		"	Br		"	"						0.43	
	29-30		Clay, SCH	Br Gr		"	4						0.27	Schist, Minor Schist?
054	30-31		"	"		"	"						0.35	
	31-32		"	"		"	"						0.52	
055	32-33		"	"		"	"						0.33	
	33-34		"	"		"	"						0.42	
056	34-35		"	"	Sz	"	"						0.80	
	35-36		"	"		"	"						0.54	
057	36-37		Clay	"		"	"						0.58	minor vein plag? or GND
	37-38		GND, Clay	Gy Br	Sy	"	3						1.12	mafic granite / granodiorite
058	38-39		"	"	"	"	"						1.01	
	39-40		"	"	"	"	"						1.20	

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PERCUSSION DRILL LOG

COLLAR NORTH	9000N	AZIMUTH	220 m	DRILLER	LaxYear	PAGE	3
COLLAR EAST		COMMENCED	25-10	RIG TYPE	GK850	OF	
LICENCE/PROSPECT	HOME OF BULLION EAST / SAFARI	RL		COMPLETED		TOTAL DEPTH	

Sample No.	Depth	LITHOLOGY						ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath Style	Weath Intensity	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
774059	40-41		SCH, Cly	Lm		*	3						0·85	back into SCH
	41-42		"	"		"	"						0·89	774060 2ppb Stnd
061	42-43		"	"		"	"						0·52	
	43-44		"	Lm Ltr		"	"						0·86	
062	44-45		" GND	Yw		"	"						1·06	+ minor GND. chips
	45-46		"	Yw		"	"						1·03	
063	46-47		GND, Cly	Yw Or	Fg	"	"						0·76	
	47-48		"	"	"	"	"						0·99	
064	48-49		"	"	"	"	"							
	49-50		"	"	"	"	"							
065	50-51		"	"	"	"	"							more chips GND
	51-52		"	Yw Or	"	"	"							+ poss SCH clays
066	52-53		"	Br Lm	"	"	2							2½ hr downtime while water brought in
	53-54		"	"	"	"	"							
067	54-55		"	"	"	"	"							
	55-56		GND	"	"	"	1							
068	56-57		"	"	"	"	"							
	57-58		"	"	"	"	"							
069	58-59		"	Cy Br	"									Hard Cl clays
	59-60		"	"	"									1:15 Compressor Bottled !!!

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: KP [redacted] B | DIP: -60 | GEOLOGIST: CGD | PAGE: 1

COLLAR NORTH: 9025 | AZIMUTH: 218°M | DRILLER: Lowyard | OF:

COLLAR EAST: 5580E | COMMENCED: 2-11-94 | RIG TYPE: GK850

LICENCE/PROSPECT: HOME OF BULLION EAST / SAFARI | RL: | COMPLETED: | TOTAL DEPTH:

Sample No.	Depth	LITHOLOGY						ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath Style	Weath Intensity	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
774070	0-1		Snd, Cly	RB		O	S						0·87	Commenced 9:45am
	1-2		"	"		"	"							
071	2-3		Gvl, Snd	Br		"	"						0·85	3m Precollar cased with PVC
	3-4		Cly	Cr		OL	S						1·72	rounded pebbles - transported alluvium/colluvium
072	4-5		Gvl, Cly	Br Cr		"	"						0·57	transported
	5-6		Sic, Fec	Cr Br		"	"						0·30	"
073	6-7		"	"		"	"						0·25	minor gossanous blue ironstone + ferricrete/laterite
	7-8		Sic	Lag Br		"	"						0·18	
074	8-9		"	Cr		L	"						0·42	
	9-10		Cly, Fec	Br		OL	S						0·33	774075 2ppb Stnd
076	10-11		Cly, Sic, Fec	Br		"	"						0·24	clays + Fe stained chips
	11-12		"	"		"	"						0·13	poss weath SCH??
077	12-13		"	"		"	"						0·13	"
	13-14		Cly	"		"	"						0·20	"
078	14-15		"	"		"	"						0·15	dust clays - moist
	15-16		"	"		"	"						0·26	"
079	16-17		"	LBr		"	"						0·20	"
	17-18		"	"		"	"						0·40	Micaceous ? poss ex SCH
080	18-19		"	"		"	"						0·62	"
	19-20		"	LBr Cr		"	"						0·55	"
													0·52	"

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

[redacted] LE [redacted] P [redacted] D [redacted] -60 [redacted] GE[redacted]IST [redacted] AD [redacted]

COLLAR NORTH 9025N | AZIMUTH 218 | DRILLER LONG YEAR | PAGE 2

COLLAR EAST 5580E | COMMENCED 2-11-94 | RIG TYPE GK850 | OF

LICENCE/PROSPECT HOME OF BULLION EAST / SAFARI | RL | COMPLETED | TOTAL DEPTH

Sample No.	Depth	LITHOLOGY						ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath Style	Weath Intensity	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
774081	20-21		clay	Br Gn		OL	5						0.24	micaceous clays - ex SCH?
	21-22		"	Br		"	"						0.72	"
082	22-23		"	"		"	"						0.24	"
	23-24		"	"		"	"						0.26	"
083	24-25		clay, SCH	Gn Br		"	4						0.20	ex SCH?
	25-26		" "	Gn		"	"						0.21	"
084	26-27		" "	"		"	"						0.40	"
	27-28		"	"		"	"						0.75	"
085	28-29		"	"		"	"						0.56	"
	29-30		"	"		"	"						0.34	"
086	30-31		"	"		"	3						0.16	"
	31-32		SCH, clay	"	Sc	"	2						0.16	+ poss minor GND? fresher SCH
087	32-33		"	"	"	"	"						0.22	qtz + musc? SCH
	33-34		"	"	"	"	"						0.26	"
088	34-35		SCH	Gn Br	"	"	"						0.25	some coarser grained qtz rock chips
	35-36		"	"	"	"	"						0.31	"
089	36-37		"	"	"	"	"						0.31	774090 2ppb Std
	37-38		"	"	"	"	4						0.34	Cuvessic?
091	38-39		SCH, GN	"	Sc Gn								0.57	fresh - may be deformed GND?
	39-40		"	"	"								0.46	GND? strong def

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID [RP] DIP [-60] GEOLOGIST [CGD] PAGE [3]

COLLAR NORTH [9025] AZIMUTH [218] DRILLER [LONGYEAR] OF [ ]

COLLAR EAST [5580] COMMENCED [2-11-94] RIG TYPE [GK850]

LICENCE/PROSPECT [HOME OF BULLION EML / SAFARI] RL [ ] COMPLETED [ ] TOTAL DEPTH [ ]

Sample No.	Depth	LITHOLOGY						ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath Style	Weath Intensity	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
774092	40-41		GND?	Grey	Foliated								0.36	deformed GND?
	41-42		"	"	"								0.42	" ?
093	42-43		GN, GND	"	"								0.42	Gneissic fabric
	43-44		"	Grey Brn	"	0	1						0.57	wk weathering
094	44-45		SCH, GN	Brn Grey	Schistose	"	"						0.49	v. minor Fe ox veining
	45-46		"	"	"								0.35	
095	46-47		"	"	"								0.36	
	47-48		GN	Brn Grey	Schistose								0.43	bio + qtz + plag GN or det GND
096	48-49		SCH	Grey	Schistose								0.49	more SCHISTOSE
	49-50		"	"	"								0.37	
097	50-51		SCH, GN	"	Schistose								0.35	+ poss det GND
	51-52		"	"	"								0.22	
098	52-53		"	"	"								0.44	
	53-54		"	"	"								1.35	
099	54-55		"	"	"								1.52	Main Seal between breakdown 12 Noon. Compressor and engine
	55-56		"	"	"								0.69	Restart 1:53pm
100	56-57		"	"	"								0.62	
	57-58		"	"	"								0.91	
101	58-59		"	"	"								1.05	
	59-60		"	Grn	"								0.99	chloritic SCH/GN

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE [redacted] | GIS [redacted] | PAGE 4 OF [ ]

COLLAR NORTH 9025 | AZIMUTH 218 | DRILLER [redacted] | RIG TYPE GK850

COLLAR EAST 5580 | COMMENCED 2-11-94 | TOTAL DEPTH

RL | COMPLETED

LICENCE/PROSPECT HOME OF BULLION EAST / SAFARI

Sample No.	Depth	LITHOLOGY						ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath Style	Weath Intensity	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
774102	60-61		SCH, Qz	Gn	Schist								0.63	
	61-62		"	"	"								1.14	
103	62-63		"	"	"								1.04	
	63-64		"	Gn Bx Rd	"								0.58	red stained Feldspar?
104	64-65		"	"	"								0.88	774105 2ppb Standard
	65-66		"	"	"								0.57	2:32pm hammer blocked.
106	66-67		"	Gn Br	"								1.45	
	67-68		"	"	"								0.33	
107	68-69		"	"	"								0.42	
	69-70		"	"	"								0.69	
108	70-71		"	Gn	"								0.89	more SCHIST
	71-72		"	"	"								1.25	less SCH. E.O. Shift 2-11-94
109	72-73		"	"	"								0.77	more SCH
	73-74		"	"	"								0.67	
110	74-75		"	"	"								1.05	
	75-76		"	"	"								0.90	minor oxidised chips
111	76-77		"	"	"								0.74	"
	77-78		"	"	"								1.61	No ox chips
112	78-79		"	"	"								0.68	9:00 am blocked hammer
	79-80		"	"	"								2.74	restart 11am.

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

LICENCE/PROSPECT: HOME OF BULLION EAST / SAFARI

COLLAR NORTH: 9025 | COLLAR EAST: 5580 | RL:

AZIMUTH: 218 | COMMENCED: 2-11-94 | COMPLETED:

GEOLOGIST: CJD | DRILLER: LONGYEAR | RIG TYPE: LK850 | TOTAL DEPTH:

PAGE: 5 OF

Sample No.	Depth	LITHOLOGY: Stratigraphy	Rock Type	Colour	Texture	Weath: Style	Weath: Intensity	ALTERATION: Intensity	ALTERATION: Texture	ALTERATION: Mineralogy	MINERALISATION: Texture	MINERALISATION: Mineralogy and Contents	GEOPHY. Mag.Susc.	COMMENTS
774113	80-81		CN, CH	Cm	CmSc									
	81-82		"	Dkcy	"								0.83	qtz+chl+plag greenss/schist
114	82-83		"	"	"								1.11	blocked again 11:20 Restart 1:10pm
													2.29	blocked again 1:20 tryd adding wat - no good
														drilling and collating sample from outside
														Change to diamond @ 83m
														as useless proceeding with
														RC at current rate
														774120 - 2ppb Standard

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EXPLORATION DIVISION

DIAMOND DRILL LOG

PROSPECT: SAFARI / HOME OF BULLION EAST

COLLAR : NORTH 9025 N
EAST 5580 E
R.L. RL
HOLE : DIP→DIP AZ. -60 → 218°M
RIG TYPE GKB50

HOLE NO. PD 3 SAF 3
PAGE 1 OF
GEO CGD
DATE 6-11-94
DRILLER LOXYEAR

DRILLING: DEPTH | DRILL RUNS | RECOVERY

LITHOLOGY: STRATIGRAPHY | ROCK TYPE | COLOUR | TEXTURE | LOWER CONTACT: GRADATION, STYLE | WEATH: STYLE, INTENSITY

ALTERATION: INTENSITY | TEXTURE | MINERALOGY

STRUCTURES: DEPTH AT BASE | TYPE | TRUE WIDTH | ORIENTATION: DIP, DIP AZIMUTH | CORE ANGLE | GOUGE TYPE /FILL | INTENSITY

MINERALISATION: TEXTURE | MINERALOGY AND CONTENTS

GEOPHYSICS: MAGNETIC SUSCEPT | CONDUCTIVITY

COLOUR LOG

COMMENTS

DEPTH

DEPTH	LITHOLOGY	ALTERATION	STRUCTURES	MINERALISATION	GEOPHYSICS	COMMENTS
80						'NQ' 2 size core
82	83.5					← 83.5m E.O. PREVIOUS
84	GN Gn CaSc				0.10 0.13 0.13 0.11 0.13 0.11 0.13 0.12 0.13 0.13 0.12 0.19 0.18 0.10 0.13 0.12 0.16 0.14 0.08 0.10 0.09 0.13 0.14 0.15 0.13 0.11 0.12 0.11 0.17 0.17 0.12 0.13 0.06 0.03 0.13 0.11 0.14		Broken ground - low angle joints to core axis.
86			86.0 C 35	88 59 89 Pyr		Rock is foliated gneiss/schist of qtz, plag, bio, sericite and feldspar, trace opaque (leucoxine?) + py. Strongly foliated.
88						
90						
92			92 C 35			Py very limited - joint plane coating? other fractures coated with red-yellow oxide and weakly weathered into rock.
94						Minor textural variations per in beds parallel to foliation.
96						
98		98.5 1 P Se 100	98.6 F S 60 Rhod breccia			Fault breccia 98.6 - retrieved.
100						alt may be weak weathering? broken core
102			103 C 35			
104						only conductive material clay/oxide in joints - probably water.
106						
108			108 C 40			
110		109.6 1 P Se 111.5	111 C 55 308 35 O.M.			alt poss wk weathering.
112						113.4 End of PD 3 6-11-94
114		115.6				
116	115.6 GnPk 118 Gn	2 P SiKs 118				Silica + kspar ? alt - replaced rock
118			118.9 F 30 60 R.Po			
120						Many slit plans near faults

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EXPLORATION DIVISION

DIAMOND DRILL LOG

PROSPECT: SAFARI / HOME OF BULLION EAST

COLLAR : NORTH	9025 N
EAST	5580 E
R.L.	RL
HOLE : DIP → DIP AZ.	-60 → 218
RIG TYPE	GK850
HOLE NO.	PD3 (SAF3)
PAGE	2 OF
GEO	CGD
DATE	7-11-94
DRILLER	LONGYEAR

DRILLING / LITHOLOGY

Depth	Recovery	Stratigraphy	Rock Type	Colour	Texture	Lower Contact Graduation
120–126.8	b		GN	Gn (to 124); GnOr (124–125); Gn (125–126.8)	GnScTg	S
126.8–142.5	b		GND, GN	GnPk	TgGn	
142.5–142.9		142.5	ChGn	GnPk	Masc	S
142.9–150.2		142.9	GND, GN	GnPk		
150.2			150.2			

ALTERATION

Intensity	Depth	Texture	Mineralogy
1	121.4	P	Ser
1	121.7	P	Chl
1	124.0	?	Ser
1	125.0	P	Ser, Hm, sil
3	126.8	P	Ser
1	127.8	P	Ser
	129		
1	130.5	P	Ser
1		?	chl, hem

STRUCTURES

Depth at Base	Type	True Width	Dip	Dip Azimuth	Core Angle	Gouge Type/Fill
120.7	F	25			20	Ru
122.2	V	20			45	Qtz
122.8	F	20				Ru
125.7	F	25			45	RuPu
126.4	F	5			70	RuPu
134	C				40	
135.9	F				70	Ru
138	C				45	
143.9	F				20	Ru
144.5	F				25	RuPu
150m SURVEY			61	211°		

MINERALISATION

Depth	Texture	Mineralogy and Contents
121.5–121.6	VS	Py tr
	VS	Py tr
146–146.2	Dsn	Py tr
–150.2	VnDs	Py tr

GEOPHYSICS – MAGNETIC SUSCEPT

Magnetic Suscept
0.12
0.07
0.10
0.11
0.20
0.08
0.14
0.23
0.22
0.17
0.24
0.22
0.25
0.25
0.15
0.21
0.21
0.21
0.25
0.20
0.20
0.25
5.42
0.46
0.61
0.17
0.24
0.21
0.40
0.26

COMMENTS

Still quite broken ground
trace Py in chlorite veinlets or dissem grains.

orangy patches of alteration (Ks or hem dusting?)

Sericitised plag in GND/GN –

v. minor Py in thin vein/shears/joints as coating to plane – discontinuous in plane of joint etc.

greeny orange/pink rock – green is chlorite – poss a weak alt? or retrograde assemblage?

opaque buff mineral at 143 (high magsus) leucoxene? after magnetite

142.5–142.9 fine grained zone – highly siliceous

rock is qtz, chl, plag (pink/orange)
poss chl, ser alt?
chl + qtz xenoliths

150.2 EOH

* Survey 114m
-61 → 213° mag

Minor qtz vein py dissem
– 147.3m alt includes epidote?

APPENDIX 2

GEOCHEMICAL ASSAYS
RP1, RP2 & PD3

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Job: 4AD4627
O/N:

Final

ANALYTICAL REPORT

SAMPLE	Ag	Bi	Cd	W	U	Rb	Co
774001	<0.1	0.3	0.1	0.8	1.20	36.0	3.2
774002	<0.1	0.4	0.2	2.5	3.2	43.5	8.0
774003	<0.1	0.3	<0.1	1.8	2.5	51	4.1
774004	<0.1	0.4	<0.1	1.9	2.3	36.0	5.0
774005	<0.1	0.5	0.1	6.0	2.8	37.0	4.2
774006	<0.1	0.6	0.3	7.5	3.4	46.5	1.4
774007	0.4	1.4	0.2	6.0	3.0	36.5	1.1
774008	0.6	1.3	0.4	7.0	3.5	45.0	0.9
774009	0.3	0.5	0.3	4.0	3.1	46.5	<0.2
774010	<0.1	0.5	0.4	3.8	3.6	50	0.8
774011	<0.1	0.5	0.3	3.7	3.9	48.5	0.3
774012	<0.1	0.4	0.3	5.0	3.6	88	<0.2
774013	0.3	0.4	0.3	5.0	6.5	43.5	0.6
774014	0.2	0.5	0.5	4.4	6.5	49.0	0.7
774015	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774016	<0.1	0.4	0.4	4.5	9.0	79	1.7
774017	<0.1	0.5	0.3	5.5	14.5	320	11.0
774018	<0.1	0.7	0.4	5.5	10.0	340	10.0
774019	0.1	1.2	0.3	5.0	10.5	280	9.0
774020	0.5	1.0	0.3	4.7	8.5	380	10.0
774021	0.3	0.8	0.3	5.0	7.5	260	8.5
774022	0.6	0.9	0.3	4.6	9.5	280	12.0
774023	0.2	0.4	0.4	6.5	8.5	280	12.5
774024	<0.1	0.5	0.4	7.5	7.0	260	36.5
774025	<0.1	0.3	0.3	4.8	5.5	260	10.5
774026	0.4	0.4	0.4	5.5	7.0	260	8.0
774027	0.2	0.4	0.3	6.0	4.5	300	10.0
774028	0.1	0.2	0.2	4.1	5.5	165	10.5
774029	0.2	0.4	0.3	3.9	3.6	195	7.0
774030	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774031	0.7	0.7	0.3	3.9	2.5	200	5.5
774032	0.8	0.7	0.3	3.2	5.0	220	8.0
774033	0.5	0.2	0.4	3.4	5.5	175	7.5
774034	0.5	0.1	0.3	3.9	3.8	175	7.0
774035	<0.1	0.2	0.2	2.6	2.4	240	8.5
774036	<0.1	0.2	0.3	3.0	2.9	220	8.0
774037	<0.1	0.1	0.3	2.2	2.7	160	5.5
774038	<0.1	0.2	0.2	0.7	0.97	38.5	2.8
774039	0.2	0.3	0.2	1.4	1.90	51	8.5
774040	<0.1	0.4	0.2	2.0	2.6	54	10.0
774041	<0.1	0.7	0.2	3.5	3.2	32.0	8.0
774042	<0.1	0.5	0.2	5.5	2.3	14.0	2.8
774043	<0.1	0.5	0.3	5.0	2.9	33.5	0.8
774044	<0.1	0.4	0.3	5.5	3.0	40.0	1.7
774045	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	0.1	0.1	0.1	0.1	0.02	0.02	0.2
SCHEME	IC3M	IC3M	IC3M	IC3M	IC3M	IC3M	IC3M

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ANALYTICAL REPORT

SAMPLE	Ag	Bi	Cd	W	U	Rb	Co
774046	<0.1	0.6	0.4	6.0	4.3	40.5	0.5
774047	<0.1	0.3	0.3	4.6	3.1	38.5	<0.2
774048	<0.1	0.5	0.4	7.5	4.4	53	<0.2
774049	<0.1	0.5	0.4	6.0	4.2	40.5	<0.2
774050	0.2	0.6	0.3	5.5	5.5	43.0	0.3
774051	<0.1	0.9	0.3	5.0	6.0	43.0	0.3
774052	<0.1	0.4	0.4	5.5	8.5	59	1.0
774053	<0.1	0.4	0.3	4.8	10.0	240	6.0
774054	<0.1	0.6	0.3	6.0	10.0	280	9.0
774055	<0.1	1.2	0.5	5.5	16.5	280	10.0
774056	<0.1	0.4	0.4	4.1	11.5	280	11.5
774057	<0.1	0.3	0.4	4.0	10.0	260	9.5
774058	<0.1	0.3	0.4	3.4	9.5	260	12.0
774059	<0.1	0.9	0.4	3.3	7.0	240	11.5
774060	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774061	<0.1	0.6	0.2	4.7	9.5	320	13.0
774062	<0.1	0.4	0.2	5.0	7.5	340	15.0
774063	<0.1	0.2	0.2	7.0	12.0	340	15.0
774064	<0.1	0.2	0.2	6.0	9.0	220	13.0
774065	<0.1	0.2	0.2	5.5	6.5	195	12.0
774066	<0.1	0.6	0.2	5.5	10.0	280	10.0
774067	<0.1	0.3	0.2	6.5	6.0	195	7.5
774068	0.3	0.2	0.2	6.0	2.5	160	5.0
774069	<0.1	0.4	0.3	6.5	3.7	260	7.5
774070	<0.1	0.2	0.1	0.8	1.30	40.0	3.8
774071	<0.1	0.4	<0.1	2.3	2.8	55	8.0
774072	<0.1	0.5	<0.1	2.5	2.9	65	8.0
774073	<0.1	0.3	<0.1	2.5	1.75	11.5	1.6
774074	0.2	1.0	0.2	6.0	5.0	39.0	3.2
774075	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774076	0.3	0.9	0.3	7.0	7.0	39.5	11.0
774077	0.1	0.6	0.2	7.5	6.5	65	2.0
774078	0.3	0.7	0.2	6.5	6.5	260	5.0
774079	0.4	0.6	0.3	7.0	9.0	420	7.5
774080	<0.1	0.4	0.2	5.5	6.0	300	7.0
774081	<0.1	0.4	0.2	4.5	6.5	340	8.0
774082	0.1	0.4	0.2	5.0	8.5	280	8.0
774083	<0.1	0.4	0.3	6.0	8.0	300	9.0
774084	<0.1	0.3	0.3	4.5	7.5	320	9.0
774085	0.2	0.3	0.2	4.4	8.5	280	8.0
774086	0.2	0.4	0.3	4.7	8.0	300	9.0
774087	0.2	0.3	0.2	4.0	5.5	260	9.5
774088	<0.1	0.5	0.2	4.6	5.5	260	11.0
774089	<0.1	0.5	0.2	3.6	7.0	260	8.5
774090	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	0.1	0.1	0.1	0.1	0.02	0.02	0.2
SCHEME	IC3M	IC3M	IC3M	IC3M	IC3M	IC3M	IC3M

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SAMPLE	Ag	Bi	Cd	W	U	Rb	Co
774091	<0.1	0.5	0.2	4.8	6.0	300	12.0
774092	<0.1	0.3	0.1	3.8	5.5	190	8.0
774093	<0.1	0.4	0.2	4.8	6.5	185	7.5
774094	0.1	0.5	0.3	6.0	7.5	190	10.5
774095	<0.1	0.3	0.2	5.0	5.5	200	6.5
774096	<0.1	0.5	0.3	4.7	7.5	220	7.5
774097	<0.1	0.3	0.3	4.8	5.0	220	6.0
774098	<0.1	0.4	0.3	6.5	7.0	300	7.5
774099	0.6	0.4	0.3	4.6	8.5	220	7.5
774100	<0.1	0.5	0.3	6.0	6.0	240	7.5
774101	<0.1	0.7	0.3	5.5	6.5	170	9.0
774102	<0.1	0.3	0.2	4.6	5.5	260	8.0
774103	<0.1	<0.1	0.2	4.6	4.0	200	8.5
774104	<0.1	0.2	0.2	6.0	4.9	220	11.0
774105	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774106	<0.1	0.3	0.4	5.0	9.0	200	9.0
774107	<0.1	0.3	0.3	5.5	5.5	185	9.5
774108	<0.1	0.2	0.2	2.6	4.2	195	8.5
774109	<0.1	0.2	0.2	3.6	4.3	200	9.5
774110	0.1	0.3	0.2	2.4	9.0	280	8.5
774111	0.1	0.3	0.2	4.9	6.0	200	7.0
774112	<0.1	0.3	0.3	4.0	7.0	220	7.5
774113	<0.1	0.3	0.3	3.7	7.5	220	7.5
774114	<0.1	0.5	0.5	4.9	8.0	220	8.5
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	0.1	0.1	0.1	0.1	0.02	0.02	0.2
SCHEME	IC3M	IC3M	IC3M	IC3M	IC3M	IC3M	IC3M

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ANALYTICAL REPORT

SAMPLE	Cu	Pb	Zn	Mn	Fe	As	Ni
774001	23	15	24	140	1.80	4	10
774002	20	15	22	260	6.5	10	17
774003	11	10	30	170	4.4	6	11
774004	7	5	15	240	4.1	10	7
774005	4	5	7	70	0.98	<3	5
774006	3	5	5	20	0.80	<3	4
774007	3	10	5	25	0.71	<3	<2
774008	4	15	4	25	1.20	<3	<2
774009	4	15	4	15	0.66	4	2
774010	7	30	11	35	8.0	10	2
774011	16	30	8	40	6.5	10	3
774012	10	20	8	30	2.2	6	3
774013	20	20	13	45	5.5	8	5
774014	19	25	13	35	4.4	8	4
774015	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774016	13	30	18	50	3.0	8	5
774017	20	30	65	150	4.3	12	12
774018	16	25	70	190	4.2	10	12
774019	21	30	70	200	4.0	22	12
774020	14	30	85	190	3.6	10	14
774021	22	35	75	150	3.2	10	11
774022	13	25	80	240	3.7	12	13
774023	6	25	70	260	3.4	16	13
774024	10	40	65	1400	3.5	10	13
774025	12	30	65	240	3.1	8	14
774026	10	30	55	220	2.8	4	12
774027	11	20	55	220	3.3	6	14
774028	5	15	42	500	3.0	10	16
774029	10	15	44	220	2.8	8	11
774030	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774031	18	20	50	220	2.7	8	11
774032	12	20	46	170	2.8	<3	12
774033	4	15	50	220	2.6	10	12
774034	4	20	42	200	2.9	6	14
774035	9	15	60	260	2.9	<3	12
774036	9	15	48	220	2.7	<3	10
774037	7	15	40	200	2.5	10	10
774038	14	15	20	100	1.65	<3	9
774039	17	30	28	280	5.0	8	17
774040	13	15	30	620	4.8	6	13
774041	13	20	19	190	8.5	12	10
774042	4	5	5	35	0.82	<3	7
774043	4	10	7	20	0.72	<3	4
774044	5	10	5	25	0.72	<3	4
774045	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
UNITS	ppm	ppm	ppm	ppm	%	ppm	ppm
DET.LIM	2	5	2	5	0.01	3	2
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

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ANALYTICAL REPORT

SAMPLE	Cu	Pb	Zn	Mn	Fe	As	Ni
774046	5	15	7	25	0.66	<3	3
774047	4	20	7	30	0.66	<3	3
774048	5	20	7	30	3.0	6	<2
774049	12	40	22	55	1.25	<3	4
774050	14	60	10	40	5.0	8	4
774051	19	30	13	50	4.6	8	4
774052	23	45	20	85	5.5	12	5
774053	20	35	50	140	4.5	6	10
774054	16	40	75	170	4.0	12	13
774055	23	35	70	200	5.0	26	14
774056	15	25	80	200	4.8	20	16
774057	11	20	75	190	4.6	16	15
774058	7	20	70	220	3.5	12	14
774059	13	25	80	240	3.8	14	16
774060	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774061	9	20	75	190	3.7	20	16
774062	5	15	70	130	3.4	12	14
774063	3	15	65	260	3.7	22	16
774064	4	15	65	280	3.4	12	18
774065	4	20	50	460	3.1	10	13
774066	11	20	65	220	3.2	10	12
774067	9	25	55	220	3.1	8	12
774068	4	15	38	150	2.0	6	8
774069	5	10	46	200	2.6	4	12
774070	8	10	12	80	1.75	<3	9
774071	16	15	22	190	5.5	6	18
774072	13	10	28	280	5.0	6	14
774073	5	5	6	40	5.0	22	6
774074	4	15	6	30	4.4	24	3
774075	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774076	5	20	8	35	4.9	20	5
774077	3	10	8	20	1.30	6	2
774078	7	20	32	80	2.8	8	7
774079	11	25	40	95	2.7	6	11
774080	8	25	42	110	3.0	8	12
774081	8	25	44	95	2.9	14	11
774082	8	25	48	120	2.7	10	10
774083	8	25	50	150	2.4	4	11
774084	7	20	46	160	2.5	<3	12
774085	8	30	50	160	2.4	6	13
774086	8	25	50	170	2.3	<3	9
774087	6	20	46	170	2.4	<3	10
774088	17	20	34	160	2.9	12	9
774089	10	20	38	170	2.1	4	9
774090	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
UNITS	ppm	ppm	ppm	ppm	%	ppm	ppm
DET.LIM	2	5	2	5	0.01	3	2
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

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Job: 4AD4627
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nal

ANALYTICAL REPORT

SAMPLE	Cu	Pb	Zn	Mn	Fe	As	Ni
774091	11	30	55	400	3.0	4	12
774092	10	20	30	220	2.1	4	9
774093	5	20	30	200	2.4	6	10
774094	20	15	24	170	2.5	6	14
774095	7	20	48	200	2.7	6	9
774096	6	25	46	190	2.5	<3	8
774097	8	25	46	220	2.7	8	10
774098	11	25	44	240	2.5	4	9
774099	12	30	46	200	2.2	10	11
774100	12	25	44	220	2.7	14	11
774101	33	20	28	150	2.5	6	14
774102	9	25	46	240	2.9	8	13
774103	2	15	36	200	2.9	6	12
774104	3	15	50	240	3.4	<3	13
774105	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774106	5	25	46	220	2.2	4	10
774107	4	15	34	180	2.9	8	13
774108	4	20	55	220	2.9	<3	11
774109	4	15	50	220	2.7	<3	12
774110	6	20	46	190	2.6	6	11
774111	5	20	40	200	2.6	4	12
774112	6	25	44	220	2.3	<3	10
774113	8	30	55	280	2.8	<3	12
774114	14	35	55	260	2.5	<3	14

UNITS	ppm	ppm	ppm	ppm	%	ppm	ppm
DET.LIM	2	5	2	5	0.01	3	2
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

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ANALYTICAL REPORT

SAMPLE	Au	Mo	Sb	Th	Ti
774001	0.6	<0.2	1.0	8.5	2800
774002	0.7	0.8	1.5	15.0	3700
774003	0.5	<0.2	0.5	14.5	3900
774004	0.4	0.4	1.0	14.5	2900
774005	0.8	<0.2	1.0	16.0	4900
774006	0.2	0.3	1.0	16.5	4900
774007	0.5	<0.2	0.5	16.5	3800
774008	<0.1	<0.2	0.5	18.0	4500
774009	0.6	0.4	0.5	14.0	4200
774010	0.4	0.2	0.5	32.5	4200
774011	0.1	0.7	1.0	38.5	4700
774012	0.1	0.8	0.5	25.0	4500
774013	0.1	1.2	0.5	45.0	4000
774014	0.3	1.2	0.5	49.5	4100
774015	2.2	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774016	<0.1	0.6	<0.5	41.5	4400
774017	<0.1	0.9	0.5	32.5	4500
774018	<0.1	0.5	<0.5	24.5	4300
774019	<0.1	0.7	0.5	23.5	4200
774020	<0.1	0.7	0.5	27.0	4000
774021	0.6	0.8	0.5	29.0	3700
774022	0.2	0.6	0.5	28.0	3700
774023	<0.1	<0.2	<0.5	45.5	3400
774024	<0.1	1.4	<0.5	41.0	3500
774025	<0.1	0.5	0.5	25.5	3500
774026	0.6	0.6	0.5	40.5	3400
774027	0.7	1.2	<0.5	22.0	3600
774028	1.0	1.0	<0.5	19.5	3700
774029	2.1	0.7	<0.5	17.0	3200
774030	2.2	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774031	3.3	1.1	<0.5	9.0	3300
774032	2.8	0.6	<0.5	22.5	3200
774033	1.0	0.6	<0.5	30.0	2900
774034	0.9	0.6	<0.5	23.5	2800
774035	7.4	0.5	<0.5	18.0	3400
774036	0.4	0.6	<0.5	23.0	3100
774037	1.0	0.4	<0.5	14.0	2800
774038	0.4	<0.2	<0.5	6.0	2600
774039	1.1	4.0	0.5	10.0	3200
774040	1.2	0.3	<0.5	15.5	3900
774041	1.4	0.7	1.0	30.0	4500
774042	0.4	0.3	<0.5	20.0	5300
774043	0.7	<0.2	<0.5	15.5	4800
774044	0.9	0.2	<0.5	13.5	4100
774045	2.7	L.N.R.	L.N.R.	L.N.R.	L.N.R.
UNITS	ppb	ppm	ppm	ppm	ppm
DET.LIM	0.1	0.2	0.5	0.02	10
SCHEME	FA3M	IC3M	IC3M	IC3M	IC3E

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Job: 4AD4627
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ANALYTICAL REPORT

SAMPLE	Au	Mo	Sb	Th	Ti
774046	5.5	0.3	0.5	18.5	4800
774047	1.0	<0.2	<0.5	11.0	4200
774048	0.4	0.3	0.5	26.0	4500
774049	0.6	0.8	0.5	17.5	4000
774050	0.2	0.8	1.0	50.0	3700
774051	<0.1	1.0	0.5	36.0	3900
774052	<0.1	1.5	0.5	38.0	4500
774053	<0.1	1.1	0.5	28.0	4400
774054	<0.1	1.1	<0.5	25.0	4500
774055	<0.1	1.3	0.5	28.0	4500
774056	0.2	1.3	0.5	19.5	4000
774057	0.3	0.8	<0.5	22.0	4100
774058	<0.1	1.1	0.5	21.0	3400
774059	0.2	0.7	<0.5	19.5	3500
774060	2.8	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774061	<0.1	1.2	3.0	29.5	3400
774062	<0.1	1.1	1.5	35.5	3700
774063	<0.1	1.5	1.0	29.5	3300
774064	2.2	0.9	1.0	24.5	3700
774065	0.5	1.2	0.5	24.5	3300
774066	0.6	0.6	1.0	33.0	3900
774067	0.5	<0.2	0.5	29.5	3600
774068	0.4	<0.2	0.5	13.5	2800
774069	0.5	0.3	0.5	33.0	3300
774070	0.4	<0.2	<0.5	10.0	2400
774071	0.2	0.6	1.0	17.0	3600
774072	0.8	0.3	1.0	25.0	4300
774073	0.8	<0.2	0.5	18.0	3800
774074	0.4	0.4	1.0	52	3800
774075	1.8	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774076	<0.1	0.5	1.0	70	3700
774077	0.3	<0.2	0.5	32.5	3900
774078	0.1	0.4	0.5	63	3700
774079	0.4	1.3	1.0	70	3500
774080	0.5	1.6	0.5	37.5	3700
774081	0.4	0.8	<0.5	42.5	3600
774082	<0.1	0.3	<0.5	39.5	3600
774083	0.2	<0.2	<0.5	40.5	3800
774084	0.4	1.0	<0.5	39.5	3500
774085	<0.1	0.5	<0.5	39.5	3500
774086	0.3	<0.2	<0.5	52	3500
774087	0.3	<0.2	<0.5	38.0	3500
774088	0.2	0.3	<0.5	44.0	3700
774089	0.3	0.3	<0.5	48.5	3400
774090	1.7	L.N.R.	L.N.R.	L.N.R.	L.N.R.
UNITS	ppb	ppm	ppm	ppm	ppm
DET.LIM	0.1	0.2	0.5	0.02	10
SCHEME	FA3M	IC3M	IC3M	IC3M	IC3E

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O/N:

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ANALYTICAL REPORT

SAMPLE	Au	Mo	Sb	Th	Ti
774091	<0.1	0.3	<0.5	41.0	3500
774092	0.7	0.3	<0.5	26.5	3100
774093	0.8	0.6	<0.5	37.0	3100
774094	2.3	0.5	<0.5	49.5	3200
774095	2.1	<0.2	<0.5	29.5	3700
774096	2.7	<0.2	<0.5	52	3300
774097	0.6	<0.2	<0.5	26.0	3400
774098	0.7	0.5	<0.5	41.0	3100
774099	0.4	0.5	<0.5	32.5	3100
774100	0.8	0.4	<0.5	38.5	3400
774101	1.0	0.5	<0.5	35.5	3600
774102	0.5	<0.2	<0.5	45.5	3600
774103	0.3	<0.2	<0.5	25.0	3700
774104	0.6	0.4	<0.5	27.5	4100
774105	1.6	L.N.R.	L.N.R.	L.N.R.	L.N.R.
774106	0.3	0.5	<0.5	26.5	3500
774107	0.5	0.3	<0.5	40.5	3700
774108	0.6	0.3	<0.5	20.0	3600
774109	0.5	1.2	0.5	28.5	3900
774110	0.5	0.3	<0.5	29.0	3500
774111	0.5	0.4	<0.5	26.0	3300
774112	0.6	0.6	<0.5	22.5	3100
774113	0.4	1.3	0.5	29.0	3400
774114	0.5	1.1	0.5	27.5	3100
UNITS	ppb	ppm	ppm	ppm	ppm
DET.LIM	0.1	0.2	0.5	0.02	10
SCHEME	FA3M	IC3M	IC3M	IC3M	IC3E

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O/N: 7718

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ANALYTICAL REPORT

SAMPLE	Au	Ti	Mo	Sb	Th
774901	0.7	4800	2.3	2.5	31.5
774902	0.3	3900	1.5	1.0	31.5
774903	<0.1	3300	1.4	1.0	27.0
774904	<0.1	3200	1.4	1.0	21.0
774905	0.2	8100	1.7	1.0	39.0
774906	0.8	6500	1.5	0.5	17.5
774907	1.5	8300	1.8	1.0	25.5
UNITS	ppb	ppm	ppm	ppm	ppm
DET.LIM	0.1	10	0.2	0.5	0.02
SCHEME	FA3M	IC3E	IC3M	IC3M	IC3M
UPPER SCHEME		OA4			

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ANALYTICAL REPORT

SAMPLE	Cu	Pb	Zn	Mn	Fe	As	Ni
774901	30	40	85	380	3.8	6	16
774902	30	25	65	340	2.9	<3	14
774903	15	25	80	360	3.3	10	13
774904	15	25	80	300	2.6	4	12
774905	18	30	140	780	6.5	<3	30
774906	12	15	110	620	6.0	4	17
774907	26	10	130	800	6.5	<3	24
UNITS	ppm	ppm	ppm	ppm	%	ppm	ppm
DET.LIM	2	5	2	5	0.01	3	2
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

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Job: 4AD5110
O/N: 7718

ANALYTICAL REPORT

SAMPLE	Ag	Bi	Cd	W	U	Rb	Co
774901	0.3	0.4	0.6	19.5	10.0	280	12.5
774902	0.4	0.9	0.4	20.0	8.5	300	10.0
774903	0.1	0.4	0.4	15.0	7.5	280	8.0
774904	0.2	0.3	0.4	27.5	7.0	300	9.5
774905	0.4	0.3	0.7	22.5	5.5	240	21.0
774906	0.2	0.4	0.4	15.0	4.9	220	17.0
774907	0.4	0.4	0.4	27.5	6.0	240	23.0
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	0.1	0.1	0.1	0.1	0.02	0.02	0.2
SCHEME	IC3M	IC3M	IC3M	IC3M	IC3M	IC3M	IC3M

APPENDIX 3

GEOPHYSICISTS REPORT
DHEM PD3

ABERFOYLE MEMORANDUM

Date	2 May, 1995	Ref	CC
To	C Drown	From	G B Walker
At	Adelaide	At	Melbourne
Copies to		Keep	Home of Bullion Geophysics

Subject **DOWN HOLE EM INTERPRETATION - PD3, RP4**

Down-hole electromagnetic surveys were carried out in drillholes PD3 and RP4. A transmitting loop configuration consisting of three 200m x 200m loops, with loop 1 placed behind the drillhole and loops 2 and 3 placed over and in front of the hole respectively.

The surveys were carried out using a Zonge GGT-10 transmitter, Zonge GDP-16 receiver and SIROTEM probe owned and operated by Aberfoyle Resources.

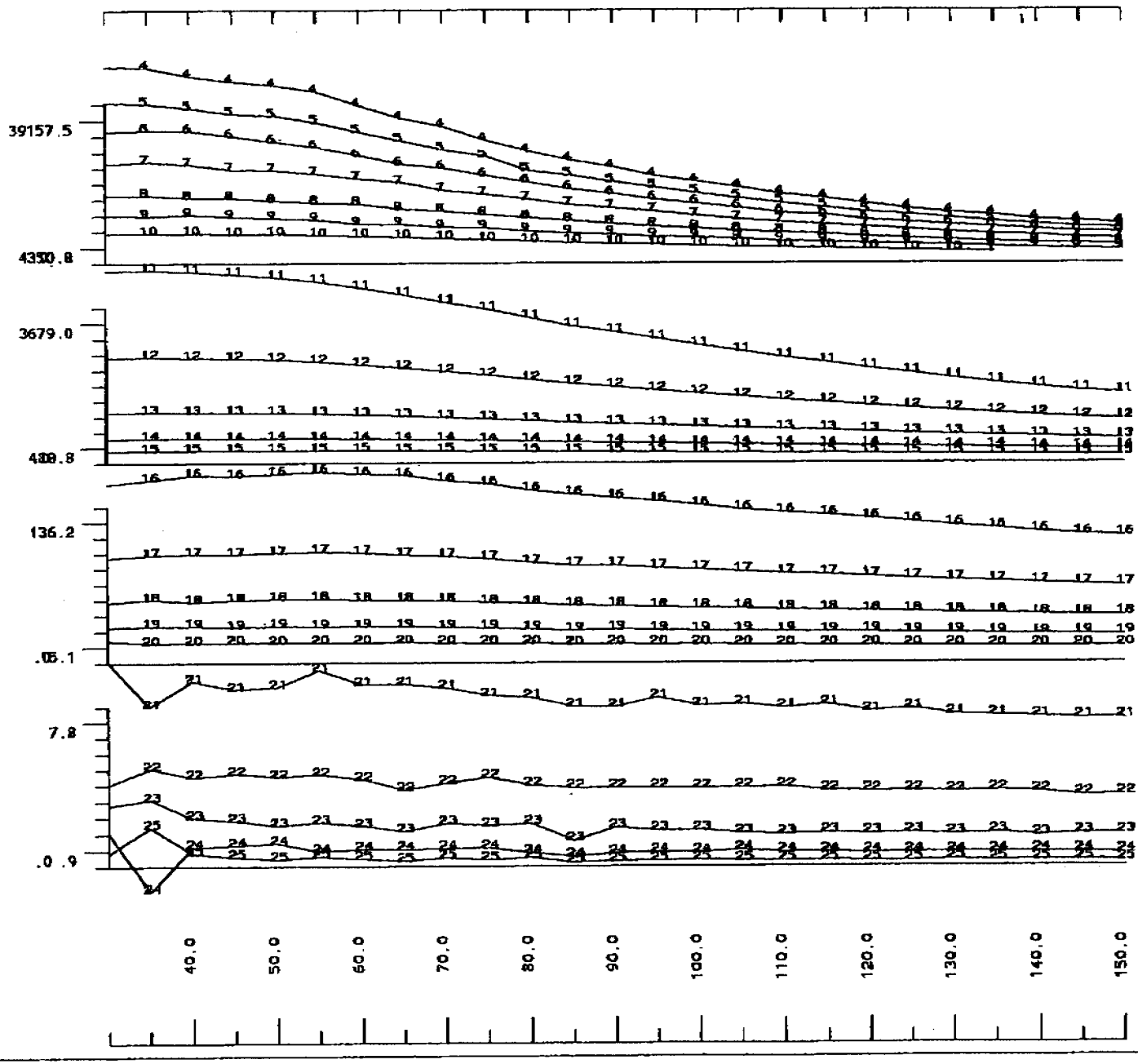
An operating frequency of 16Hz was employed at each hole, providing delay times up to 12ms.

The data from both holes show evidence of conductive overburden extending from the surface to a depth of 80m. No conductors in the bedrock are evident in the data.

The EM feature enhanced by the SPECTREX software is believed to be represented in the data by higher conductivities in the interval 60m-80m compared to the upper 60m. The EM background stripping process employed by SPECTREX had removed the effect of the upper 60m, leaving the more highly conductive response from the 60m-80m range.

The data from the surveys are attached.

G B Walker
Senior Geophysicist



Program PLOTEM

Aberfoyle Resources Ltd

Datafile: pd3.avz

LCOP: 1

LINE: 3.00

Date Plotted: 21/04/95

Horiz scale 1: 727.3

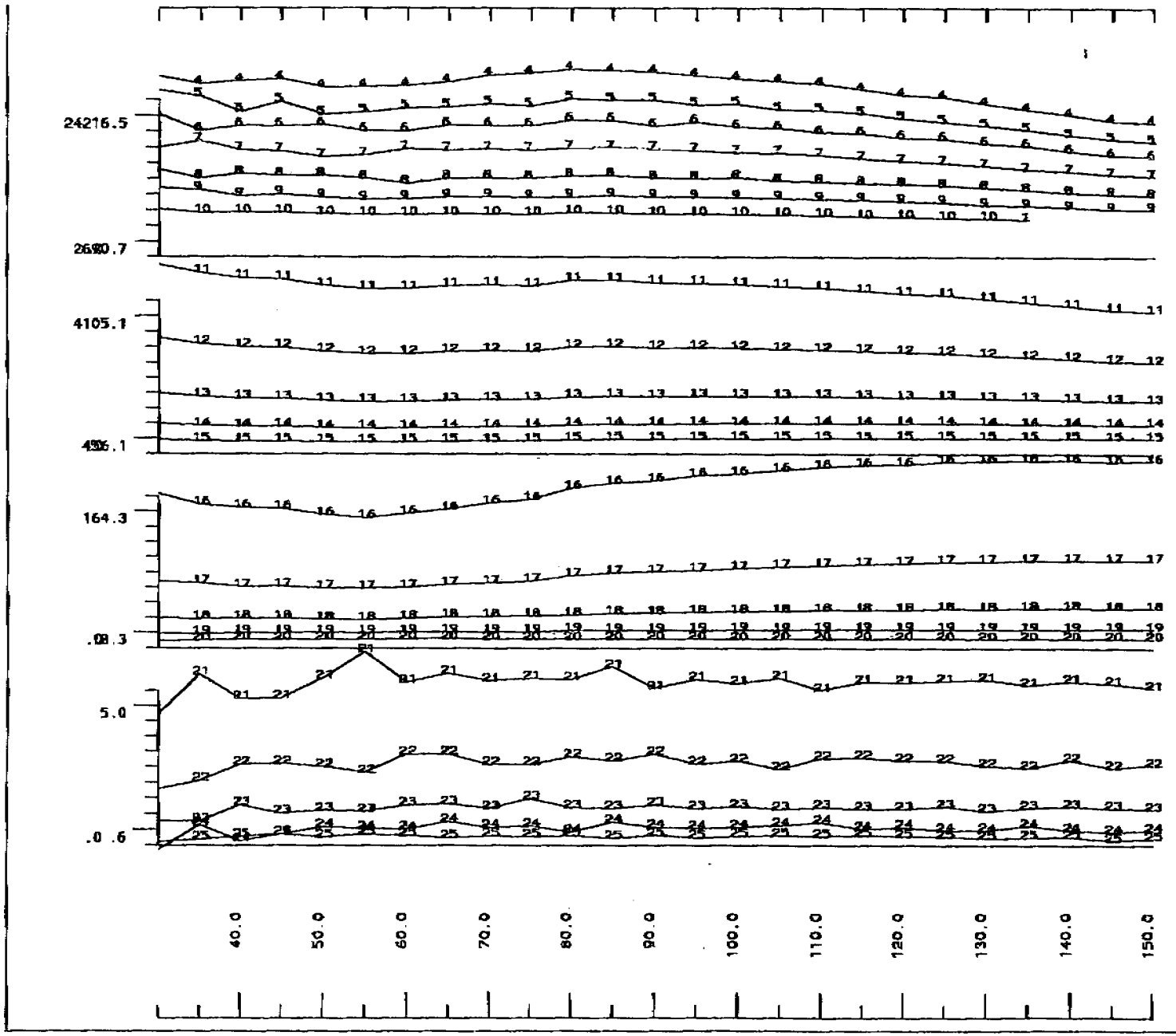
HOME OF BULLION

NT

ZONGE GDP-16 Downhole EM

16 Hz

DOWNHOLE COMPONENT



Program PLOTEM

Aberfoyle Resources Ltd

Datafile: pd3.avz

LOOP: 2

LINE: 3.00

Date Plotted: 21/04/95

Horiz scale 1: 727.3

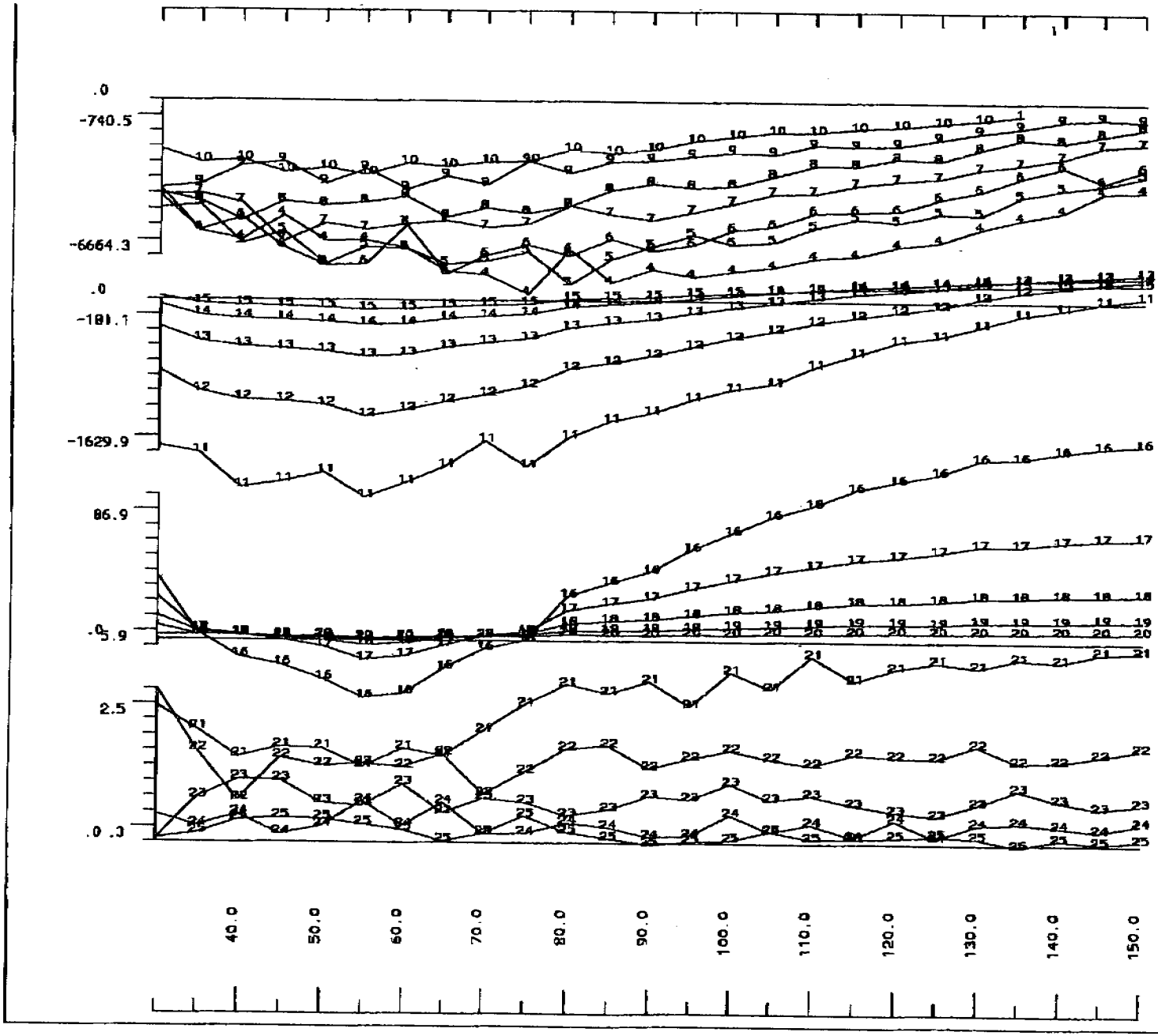
HOME OF BULLION

NT

ZONGE GDP-16 Downhole EM

16 Hz

DOWNHOLE COMPONENT



Program PLOTEM

Aberfoyle Resources Ltd

Datafile: pd3.avz

LOOP: 3

LINE: 3.00

Date Plotted: 21/04/95

Horiz scale 1: 727.3

HOME OF BULLION

NT

ZONGE GDP-16 Downhole EM

16 Hz

DOWNHOLE COMPONENT

APPENDIX 4

PETROLOGY REPORTS

AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

Report on 61 thin sections from the Home of Bullion area, east of Barrow Creek Northern Territory.

Lesley A.I. Wyborn.

Division of Regional Geology and Minerals

Australian Geological Survey Organisation

Professional Opinion 1995/1

Table of Contents

Executive Summary

I was asked to examine 61 thin sections from the Home of Bullion mine area east of Barrow Creek, Northern Territory. The thin sections were of rocks from an area believed to be prospective for Au ± Cu mineralisation of early Proterozoic age and possibly analogous to mineralisation styles similar to that found in other Proterozoic belts such as Cloncurry, Tennant Creek and the Granites/Tanami.

The primary rocks present were of four types: metamorphosed schists/gneisses, S-type granites, I-type granites, and mafic intrusives. In the last two types, primary igneous textures and minerals were frequently preserved, including hornblende (olive green), biotite, magnetite and ilmenite. It was common to observe in these magnetites, exsolution lamellae of ilmenite.

All four types had evidence of a metamorphic overprint of at least upper greenschist, if not lower amphibolite facies. Many thin sections also had a metasomatic overprint characterised by an intense blue-green hornblende. This amphibole was controlled by veins and appeared to be closely related to sulphides, biotite (possibly phlogopite ?), magnetite, and some carbonate. This intense blue-green amphibole is commonly found in other Proterozoic areas affected by iron-rich, chlorine-bearing metasomatic fluids: it is atypical of those found elsewhere where mafic intrusives have been metamorphosed to amphibolite facies in the presence of a neutral fluid.

This metasomatic alteration is believed to be related to oxidised, Fe-rich, potassic, possibly high-Cl rich fluids. The association of the blue-green amphibole with the sulphides suggests it may be an indicator of economic potential.

Of all of the granite related systems, I feel that this alteration is more similar to that found in the Cloncurry area rather than the talc-chlorite alteration found in the Tennant Creek area. Amphibole alteration is more common with the former than the latter, reflecting in part the higher temperature of the granites related to the Cloncurry system.

The presence of ilmenite exsolution lamellae in magnetites some of the magnetite and the coarse grain size of the ilmenites are features more commonly associated with igneous rocks. However, it is more than likely that in the presence of oxidised alteration fluids these opaque minerals have survived, whilst the silicate phases have been extensively modified. The preservation of ilmenite, rather than its conversion to sphene (as is more common in the Cloncurry area) and the lack of hematite might suggests that the alteration fluids which affected this suite of thin sections are not as oxidised as in the Cloncurry area.

In conclusion, I do not believe that the rocks in this suite are simply igneous rocks that have been metamorphosed to amphibolite facies. They have also been affected by a relatively high temperature metasomatic fluid, which also has an association with sulphide, but in most cases has failed to alter the existing oxide phases.

Introduction

I was asked to examine 61 thin sections from the Home of Bullion mine area east of Barrow Creek, Northern Territory. The thin sections were of rocks from an area believed to be prospective for Au ± Cu mineralisation of early Proterozoic age and possibly analogous to mineralisation styles similar to that found in other Proterozoic belts such as Cloncurry, Tennant Creek and the Granites/Tanami.

This report is divided into 3 sections. Section 1 comprises a synthesis of the thin sections examined, Section 2 contains a discussion of the regional factors, whilst Section 3 discusses some implications for mineralisation. Appendix 1 contains brief petrographic descriptions of the thin sections supplied.

In preparing this report, I have consulted with Dr Gladys Warren (because of her experience with granitic and metamorphic rocks of the Arunta Region, and her experience in the Barrow Creek area) and Dr Dean Hoatson (because of his experience with Precambrian layered intrusions including the Munni Munni Complex of the Pilbara Block and various Palaeoproterozoic mafic intrusions of the Halls Creek Inlier).

However, all interpretations presented in this report are my own.

Section 1 - a synthesis of the thin sections examined

The primary rock types

The primary rocks present were of four types: metamorphosed schists/gneisses, S-type granites, I-type granites, and mafic intrusives.

Type 1. Metamorphosed schists/gneisses

There are some schists and gneisses which contain biotite, muscovite and K-feldspar. All of these have been metamorphosed to at least upper greenschist, if not amphibolite facies.

Type 2. S-Type granites

There are some S-type granites which contain biotite, muscovite and K-feldspar. All of these have also been metamorphosed to at least upper greenschist, if not amphibolite facies.

Type 3. I-type monzonites, diorites etc.

These are characterised by hornblende, biotite, some clinopyroxene cores to the amphiboles, opaques (ilmenite, magnetite, sulphide). One characteristic of the plagioclases is that when fresh, they do not have distinctive cores. This is characteristic of plagioclases which have crystallised form a melt, and is indicative that the melt does not contain restite (See Figure 2 in Chappell *et al.* 1987). Granites associated with mineralisation are inevitably restite poor (White *et al.*, 1991).

Type 4. The gabbros, pyroxenites, norites etc.

Some of these are normal igneous mafic intrusives which have igneous textures preserved. One common feature is the presence of biotite, indicating that these gabbros are high in K_2O. Igneous hornblende (α= yellow, β = brownish green and γ = olive green) and biotite (α= yellow-brown, $\beta = \gamma$ very dark brown) are preserved in these rocks and are very distinctive in colour from those associated

with the metasomatic fluid. Magnetite and ilmenite in these rocks have characteristic forms. The magnetite frequently contains typical herringbone patterns of exsolution lamellae of ilmenite, and these grains also abut coarse ilmenite crystals.

The overprints:

Type 1: metamorphic overprint.

Almost all rocks show signs of metamorphism to at least upper greenschist facies, if not lower amphibolite grade. In the peraluminous granites and schists this is reflected in the development red brown decussate biotite aggregates.

Type 2: metasomatic overprint.

This is characterised by a specific intense blue green hornblende, (α = straw yellow, β = deep bluish green and γ = green, ?ferrohastingsite) which is present in almost all of the mafic samples, including the igneous gabbros, pyroxenites and norites. Its colour is distinct from the green-brown igneous hornblende present in the mafic intrusives as well as the diorites and monzonites. This distinct amphibole also occurs in association with tourmaline in one of the biotite granites (Hole PD5, 383.6m, sample 771745)

This intense blue green hornblende is characterised optically by a distinctive optical interference figure which is unique for hornblendes in that it has a low $2V_{\alpha}$, with very strong dispersion. As the $2V_{\alpha}$ decreases with increasing Fe content, the suggestion is that this amphibole has crystallised from an Fe rich fluid. I have seen this amphibole in Mount Isa, and it is also present in the Arunta (R.G. Warren pers comm) and other Proterozoic terrains affected by metasomatism. Whenever probed this intense blue green hornblende has a high chlorine content (e.g., Wyborn and Page, 1983). The biotite associated with this amphibole is also a different colour to the relict igneous biotite, in that β and γ are a lighter, more honey brown colour.

Magnetites developed in association with this metasomatic event do not show the exsolution lamellae of ilmenite shown by the relict igneous magnetites. Some may have some exsolution with hematite. In general there was not much hematite present, and one slide had magnetite and possibly pyrrhotite. If this is so, then it is important as hematite and pyrrhotite are supposed to be mutually exclusive, as is found in the high grade ore bodies at Eloise and the eastern zone at Osborne (Williams and Blake, 1993).

The association of this amphibole with magnetite and carbonate suggests that the three minerals have precipitated from chlorine-rich oxidised brines which have associated carbonate. The abundance of biotite and amphibole indicates the alteration fluids were also high in K. Sphene was present in some slides, but was not all that abundant when compared to the Cloncurry area. This could suggest that the oxygen fugacity of the fluid was such that the oxide phase magnetite and ilmenite were stable and did not convert to hematite and sphene. If this were so then it is quite possible that the primary silicate phases were destroyed by the alteration, but that the oxides remained stable, retaining their 'igneous' characteristics. This has also been observed in mafic intrusions in the Halls Creek area (D. Hoatson, pers comm.). Although Buddington and Lindsley (1964) have argued it is possible also to have exsolution lamellae of ilmenite develop in

magnetite during metamorphism in the presence of a water-rich fluid, these authors appear to be discussing higher temperature metamorphic events than have occurred in the Home of Bullion area.

I prefer the interpretation that the exsolved magnetites in the alteration assemblages are igneous relicts as it is possible to observe a complete transition from dominantly igneous assemblages, through samples which have with some vein-controlled alteration with igneous biotite, hornblende and opaques present, to samples which only have relict igneous oxides, to those that have complete replacement.

Section 3 - Regional Factors

The occurrence of S-type granites in the suite of samples examined is not surprising as the granite centred on Barrow Creek is an S-type (R.G. Warren, pers comm) with exceptionally high U and Li. Biotite-muscovite bearing granites occur on the Barrow Creek 1:250 000 Sheet area (Warren, 1989; Haines et al., 1991). Gabbros similar to those in this selection of thin sections are widespread in the northeast Arunta from the Attutra Metagabbro (Freeman, 1986), in plugs in the Cackleberry Metamorphics, and also as plugs in N central Alcoota (R.G. Warren pers comm.).

The monzonites and tonalites are a little harder to place and the rocks in these sections do not match with any of the granite descriptions from the Barrow Creek 1:250 000 sheet area (Haines *et al.*, 1991) with the exception of a hornblende bearing granodiorite which occurs near the Mulbanga copper mine. However, the samples are similar to I-type granites from the Cullen Batholith (Pine Creek) and also the Williams Batholith (Mount Isa). The presence of clinopyroxene cores to the amphiboles is perhaps more common in the Williams Batholith.

It is worth noting that lead model ages in the Home of Bullion Mine, have come out to be very young at 1600 Ma (Warren, in prep). Warren (1994) also inferred that granites in the northern Arunta Block, south west of Barrow Creek (the Enuggan Mountains Granite) was ~1600 Ma on the basis of its similarity to a 1567 ± 6 Ma granite on northern Mount Doreen, the Yarunganyi Granite (Young *et al.*, in press).

Section 3 - Implications for Mineralisation.

The main request for this work was to address the issue as to whether there was a possibly that there was potential for mineralisation analogous to mineralisation styles similar to that found in other Proterozoic belts such as Cloncurry, Tennant Creek and the Granites/Tanami.

Firstly, I would argue that the Tennant Creek and Granites/Tanami areas represent one class of Proterozoic granite-related mineralisation, whilst the Cloncurry area represents the other (Wyborn, 1994). In the Tennant Creek class, the associated

granite is of lower temperature and dominated by a lower temperature hornblende bearing I-type granites. The Cloncurry-Olympic Dam Group are associated with a second type of higher temperature I-type granite which is probably dominated by pyroxene. The difference in primary granite type and temperature could also influence the type of alteration present, with talc-chlorite-magnetite assemblages occurring at Tennant Creek (e.g. Large, 1975), whilst in the Cloncurry area, hematite/magnetite/albite alteration is ubiquitous. McClean and Benjamin (1993) report an alteration skarn of hornblende and biotite in which intrusive textures are preserved at Mount Elliot. At Osborne and Eloise amphibolite alteration/metamorphism appears to be overprinted by sulphide mineralisation (Baker, 1994, Adshead, 1993).

I feel that the presence of an alteration assemblage in the Home of Bullion area dominated by magnetite/amphibole/biotite is more a variation on the alteration assemblages found in the Cloncurry area, rather than in the adjacent Tennant Creek area to the north.

APPENDIX 1 Brief petrographic notes

SAMPLES FORM HOLE PD3

57m - 771768: granite gneiss. The sample contains biotite, muscovite, K feldspar and quartz phenocrysts, and is deformed. The sample is of 'granitic' composition, and may be a meta-volcanic.

73m - 771769: quartz monzonite. This sample is an igneous I-type granite. It contains quartz, plagioclase, brown-green hornblende (primary), allanite, biotite and some clinopyroxenes which are rimmed by a blue-green amphiboles. Some actinolite is present as an alteration product. Opaque oxides are present as primary and alteration minerals.

105.7m - 771726: adamellite. This sample is a foliated S-type granite metamorphosed to at least upper greenschist facies. The sample has abundant biotite and muscovite and possibly some cordierite.

116.4m - 771725: adamellite. This is also an S-type granite, but is finer grained, with biotite, chlorite and muscovite.

145.3m - 771724 tonalite gneiss. This sample is highly altered I-type granite with sericitised plagioclases, relict allanite, sphene. The alteration is at least upper greenschist, with biotite, chlorite and epidote present, possibly replacing hornblende.

SAMPLES FROM HOLE PD5

74m - 771761 tonalite gneiss. This sample is an altered I-type tonalite, although it does appear weathered. The alteration is at least biotite grade, involving chlorite, epidote, biotite, and sericitisation of plagioclases

76m - 771762 hornblende schist. Hornblende-biotite schist with sulphide (pyrite, chalcopyrite) and ilmenite. The hornblende is a blue green secondary hornblende and the sample is probably amphibolite grade. The hornblendes appear to grow around and along side the opaques phases.

85m - 771763 microdiorite. I am not sure why this sample is called a diorite. In one fragment alteration overprint is biotite + calcite, with some chlorite, whilst the other fragment is highly chloritised with less biotite. In both the feldspars highly sericitised.

105.3m - 771727 micrograbbro. Blue green hornblende is secondary after clinopyroxene, with some sulphide present. The plagioclases are strongly sericitised. Carbonate is also present. Opaques appear to be part of the assemblage.

106.1m - 771728 quartz gabbro. This sample contains the blue-green hornblende, biotite, magnetite, and the plagioclase grains are in part sericitised.

108.4m - 771729 Shear zone. This is an altered mafic rock, with blue green hornblende and biotite, and some sericitisation of feldspars. The rock has been cut

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MINERALOGICAL REPORT NO. 6798

by A.C. Purvis, PhD

February 28, 1995

TO : Aberfoyle Resources N.L.
91 Beulah Rd
NORWOOD SA 5067

Attention : Mr Chris Drown

YOUR REFERENCE : Your Order No. 7740

MATERIAL : Drill Core and cuttings

IDENTIFICATION : 771724 to 771775

WORK REQUESTED : Thin section preparation, petrographic descriptions and report, with comments as specified.

SAMPLES & SECTIONS : Returned to you with this report.

PONTIFEX & ASSOCIATES PTY. LTD.

CONTENTS

INTRODUCTION

Fifty two samples, variously of core, chips and outcrop samples, are described in this report, using 23 polished thin sections (18 of core + outcrop, 5 of chips) and 29 normal thin sections (16 of core + outcrop, 13 of chips). The samples are from drill-holes or outcrop as follows

PD-3	2 chips, 3 core
PD-5	3 chips, 27 core
RP-1	one (chips)
RP-4	4 (chips)
RP-6	7 (chips)
Outcrop	5 rocks

The petrography and the mineragraphy, as presented in the individual descriptions, indicates at least five lithological groups within the entire suite, which are summarised below, including comments on genesis, 'alteration', opaque oxide and sulphide content, as requested by Aberfoyle.

LITHOLOGICAL GROUPS

Most of the rocks are of igneous origin, ranging from fresh to metamorphosed, from undeformed to gneissic, and from ultramafic (pyroxenite) to acid (granite). There are also some metasediments and a possible skarn with Cu-Fe sulphides and magnetite, and a sample possibly from a tectonically banded metasomatic shear zone, which contains Cu-Fe sulphides. Both primary and secondary amphiboles are abundant in the igneous rocks, mostly as direct replacements of former pyroxene, and mostly green (actinolite to hornblende). However there are some samples in which primary pyroxene has been preserved and some schistose or annealed samples with hornblende ± cummingtonite of entirely metamorphic origin.

[As discussed with Chris Drown, the widespread occurrence of metamorphic hornblende is common in igneous suites of this kind, and is well-exemplified by layered intrusions in the Yilgarn Block in Western Australia. Discrete shear zones, and bodies within which primary igneous pyroxenes have been preserved, which occur in this suite, are also common in such bodies elsewhere. The amphibole-rich alteration alone however, is generally not considered to be particularly diagnostic of potentially economic mineralisation within such suites of igneous rocks.]

Some of the mafic rocks described have been classified as microgabbro to micronorite or basic hornfelses. Many of these have at least to some extent a micromosaic texture, and although these variations justify different rock names, as given in individual descriptions, these rocks may be all closely related. Only a thorough geochemical study of the suite, incorporating the petrology and spatial relations within and between drill-holes, would enable a complete, comprehensive analysis of possible genetic variations. However, despite their fine grainsize, it is possible that some of these samples represent layered cumulus rocks from which magma has been pressed during compaction and possibly driven by the mafic-diorites which are commonly magnetite-rich. [Indeed these rocks would seem to represent an attractive research topic for a B.Sc (Hons) thesis.]

The lithological groups, and the samples represented in these, are listed below, with the igneous groups listed from ultramafic to felsic, followed by apparently non-igneous groups.

Pyroxenites

RP-6:	**16m, 28m, 47m*, 63m, 115m***
PD-5:	**395.8m, 417.2m**
Outcrop:	**Pros#2 (771770)**

* **very rich in oxide (titanomagnetite > ilmenite)**

These samples are usually metamorphosed with amphibole after apparently clinopyroxene. They are medium-grained and usually have more abundant titanomagnetite than primary ilmenite, but the oxides in these samples are of primary magmatic origin, and there is no chlorite. Sulphides occur sparingly, mostly pyrite and chalcopyrite. These surfaces are primary with no clear evidence of derivation from opaque oxide, not considered to be unusual for these rock types.

Gabbroic Rocks

RP-1	**50m**
RP-6	**39m, 49m.**
PD5	**?76m, 105.3m, 224.6m, 225.9m^{+}, 265.7m, 278.3m, 280.1m, 370.35m, 372.9m, 387.5m, 395.3m, 417.2m (part)**

+ chloritised.

These samples are usually fine grained but vary from fresh to metamorphosed, with fresh samples ranging from gabbroic to noritic. They have been classified variously as microgabbro, dolerite, gabbronorite, micronorite and mafic hornfels, the last named being generally more heterogeneous than the others, especially in terms of oxide and sulphide distribution, and characterised by a micromosaic texture.

The oxide content varies, some having more titanomagnetite than ilmenite, others more ilmenite than titanomagnetite, and the hornblende schist in PD-5 at 76-77m, the only deformed sample, having only ilmenite. The more orthopyroxene-rich samples tend to have ilmenite > magnetite, whereas clinopyroxene-rich or metamorphosed samples have magnetite > ilmenite. Sulphides are usually minor and are Fe-Cu species (pyrrhotite and/or pyrite plus chalcopyrite) and not unusual for these rock types. Again the oxides are magmatic, with magmatic magnetite-pyrrhotite-chalcopyrite segregations in the sample from PD-5 at 370.35 m. Only one sample (771737 from PD-5, 225.9 m) is extensively chloritised, but this has ilmenite as the only oxide and this is the only non-felsic sample with significant chlorite.

Intermediate Lithologies

RP-4	**57m, 72m, 106m**
PD-3	**73m**
PD-5	**110.6m, 113.1m, 138.6m, 146.7m, 224.6m, 293.5m, 298.5m, 419.2m, 421.5m, 429.3m, 440.4m.**

The samples in RP-4 and PD-3 differ from those in PD-5 in having abundant microcline, and are quartz monzonite to quartz syenite in composition, compared with mafic quartz diorites in PD-5. The quartz monzonite to quartz syenite samples have primary dark brown hornblende and biotite as well as largely uralitised clinopyroxene, but fresh magmatic hornblende occurs only in the deeper samples in PD-5 (419.2 to 440.4 m), some of which also have minor microcline, and fresh to uralitised pyroxene (both clinopyroxene and orthopyroxene).

In PD-5, the shallower samples are largely uralitised but with some primary poikilitic biotite and hornblende at 110.6, 138.6 and 146.7 m. The more fractionated samples, (deeper in PD-5), also more potassic samples in RP-4 and PD-3, have accessory zircon, suggesting a suite rich in High Field Strength Elements (Ti, Zr, Nb). In polished surfaces of these samples, magnetite oxides are seen as ilmenite, more abundant than titanomagnetite, or subequal amounts of these two oxides may occur. Very sparse primary pyrrhotite-chalcopyrite, also secondary pyrite, ± chalcopyrite are also present and regarded as basically 'normal' accessory phases in these rock types.

The sample from **PD-5 at 108.4 m** may be of particular interest since it appears to represent a banded metasomatic shear zone, possibly in quartz diorite, with ilmenite as the only oxide, and a pyrite-chalcopyrite assemblage in the central zone, with hornblende and cummingtonite but no chlorite. Trace arsenopyrite also occurs in this sample, which tends to support the suggested metasomatic origin.

Felsic Rocks

RP-4	**127m**
PD-3	**57m, 73m, 105.7m, 145.3m**
PD-5	**74m, 85m, 159.1m**

Quartz diorite, micromonzonite, tonalite gneiss, adamellite and granite gneiss are represented in this suite, with some possible dykes intruding the mafic-intermediate suite, and some possibly older and more deformed. Some of these samples have chlorite, either after biotite or

as separate lenses, but also of retrograde origin. Te chlorite is not accompanied by magnetite, however. The petrography does not offer any suggestion that these samples are of potential economic interest.

A quartz-biotite schist (771774, Pros #4), may have been derived from an acid precursor, but has poor textural preservation apart from a few apparently granophyric patches enclosing apatite.

Other lithologies

771771	**Quartzite**
771772	**Cordierite-orthoclase-spinel-magnetite-corundum-sillimanite-andalusite hornfels**
771773	**Magnetite-hematite-chalcopyrite-pyrite-(chlorite) skarn**

The skarn 771773 is the most economically prospective sample in the batch and could assay about 3% Cu. It contains metasomatic magnetite without ilmenite lamellae, primary hematite, chalcopyrite and some supergene covellite. The minor chlorite is magnesium-rich and probably of retrograde origin.

The quartzite 771771 is probably a metasandstone and also has some chlorite. The hornfels 771772 represents a silica-poor pelite, it contains magnetite with both ilmenite and spinel exsolution, suggesting a high metamorphic temperature, but a low oxygen fugacity. The andalusite in this sample is pink and may have Fe and/or Mn, which would stabilise it relative to sillimanite at higher temperatures, within the stability field of pure sillimanite.

COMMENTS ON MAGMA TYPES, CHLORITE, OXIDES AND SULPHIDES

The ultramafic to intermediate igneous rocks in this batch possibly form part of a single calc-alkaline, post-orogenic intrusive suite, with ultramafic cumulates rich in pyroxene ± magnetite ± ilmenite, and with more evolved diorite to quartz syenite members.

The basic rocks within this compositional range are commonly fine-grained but may be in part of cumulus origin, as similar rocks known to the writer can be shown on the basis of chemistry to be cumulates, with very low incompatible element contents. Most of the oxides and the trace amounts of pyrrhotite and chalcopyrite in these rocks are considered to be of 'normal magmatic origin, but there are also sparse secondary sulphides (pyrite) and fine secondary magnetite in some of the amphibole or biotite patches, where these have replaced pyroxene. These rocks apparently had various proportions of clinopyroxene and orthopyroxene, and some had primary magmatic hornblende and biotite. Chlorite is rare and apparently has no implications in terms of ore-genetic modelling.

These magmatic oxides include magnetite with ilmenite lamellae, rarely with spinel lamellae; also ilmenite, rarely with hematite lamellae and patches of hematite + rutile. These are, as noted, of magmatic origin. **No metasomatic magnetite occurs in this suite.**

The quartz diorite to granite samples appear to be unrelated to the pyroxenite to quartz syenite suite, and may include both younger and older rocks. Some chlorite occurs in some of these, but with no economic implications.

A single skarn (771773) has metasomatic magnetite, minor chlorite, and abundant chalcopyrite + covellite, and may be of potential economic significance. Other non-igneous rocks include a quartzite and a cordierite-magnetite-spinel-corundum-orthoclase-sillimanite-andalusite hornfels derived from a silica-poor pelite.

A list of samples with rock names is given below (Table 1) also indicating the presence of amphibole (mostly actinolite or green hornblende), chlorite, sulphides and oxides. For amphibole ++ indicates the presence of primary brown hornblende as well as or instead of green secondary amphibole. The symbol $$$$$ indicates sulphides of potential economic interest; for the oxides M = magnetite, I = ilmenite, H = hematite.

A diagrammatic log of hole PD-5 is also given as Fig. 1.

The codes in column 4 Table 1, and in Fig. 1, indicate the lithological groups discussed above and are : 1 = pyroxenite; 2 = mafic rocks; 3 = mafic diorite to quartz syenite; 4 = felsic rocks; 5 = sediments; 6 = magnetite-sulphide rock (?skarn)

TABLE 1: SAMPLES DESCRIBED IN REPORT No. 6798

Sample	Hole	Depth	Code	Lithology	Amphibole	Chlorite	Sulphide	Oxide
771768	PD-3	57	4	Granite gneiss				
771769	PD-3	73	4	Qtz Monzonite	++			?
771726	PD-3	105.7	4	Adamellite				
771725	PD-3	116.4	4	Adamellite		+		
771724	PD-3	145.3	4	Tonalite gneiss		+		
771761	PD-5	74	4	Tonalite gneiss		+		
771762	PD-5	76	2	Hornblende Schist	+		+	I
771763	PD-5	85	4	Microdiorite		+		
771727	PD-5	105.3	2	Microgabbro	+		+	?
771728	PD-5	106.1	2	Qtz gabbro	+		+	?
771729	PD-5	108.4	3	Shear zone	+		+	I
771730	PD-5	110.6	3	Mafic Diorite	+		+	I>M
771731	PD-5	113.1	3	Mafic Diorite	+		+	I>M
771732	PD-5	130.7	4	Biotite Granite				
771733	PD-5	138.6	3	Mafic Diorite	++		+	I>M
771734	PD-5	146.7	3	Mafic Diorite	++		+	I>M
771735	PD-5	159.1	4	Qtz micromonzonite				
771736	PD-5	224.6	3	Gabbro + Diorite				?
771737	PD-5	225.9	2	Microgabbro		+	+	I
771738	PD-5	265.7	2	Micronorite	+		+	I>M
771739	PD-5	278.3	2	Dolerite	+		+	M>I
771740	PD-5	280.1	2	Gabbronorite	+		+	I>M
771741	PD-5	293.5	3	Mafic Diorite	+		+	I>M
771742	PD-5	298.5	3	Mafic Diorite	+		+	M,I
771743	PD-5	370.35	2	Mafic Hornfels			+	M>I
771744	PD-5	372.9	2	Mafic Hornfels				M>I
771745	PD-5	383.6	4	Biotite Granite				
771746	PD-5	387.5	2	Mafic Hornfels	+			?
771747	PD-5	395.3	2	?Mafic Hornfels	+			?
771748	PD-5	395.8	1	?Pyroxenite	+			M>I
771749	PD-5	417.2	1	Gabbro-Pyroxenite	+		+	M>I
771750	PD-5	419.2	3	Mafic Diorite	++			?I>M
771751	PD-5	421.5	3	Mafic Diorite	++			?
771752	PD-5	429.3	3	Mafic Diorite	++			?
771753	PD-5	440.4	3	Mafic Diorite	++			?
771770	Pros #2		1	Pyroxenite	+			M>I?
771771	Pros #3		5	Quartzite				
771772	Pros #3		5	Cordierite Hornfels				M
771773	Pros #3		6	Skarn			$$$$$	M,H
771774	Pros #4		5	Qtz-biotite schist				
771775	RP-1	50	2	Amphibolite	+			
771764	RP-4	57	3	Qtz Monzonite	++			?
771765	RP-4	72	3	Qtz Syenite	++			?
771766	RP-4	106	3	Qtz Monzonite	++			?
771767	RP-4	127	4	Granodiorite gneiss				
771754	RP-6	16	1	Pyroxenite	+			?M,I
771755	RP-6	28	1	Pyroxenite	+			?M,I
771756	RP-6	39	2	Gabbro	+		+	I>>M
771757	RP-6	47	1	Magnetite Pyroxenite	+		+	M>I
771758	RP-6	49	2	Gabbronorite				?M,I
771759	RP-6	63	1	Pyroxenite	+			M>I
771760	RP-6	115	1	Magnetite Pyroxenite	+		+	M>I

INDIVIDUAL DESCRIPTIONS

771724
PD-3, 145.3 m

Chlorite-sericite-altered gneissic biotite tonalite with minor adularia, partly in altered biotite, partly in veins with clays and quartz.

Plagioclase grains to 4 mm diameter, clouded by sericite, dominate this sample, with 25% interstitial recrystallised late magmatic quartz and 15% recrystallised chloritised biotite. Some of the biotite has been further altered to clays with lenses of adularia along the cleavage planes. There are apparently two foliations roughly corresponding to an S-C fabric (stacked microshears). An original biotite-tonalite is indicated.

There is a lenticular vein parallel to the shear planes, variously rich in quartz, clays and clear to clouded (reddened) adularia.

771725
PD-3, 116.4 m

Partly recrystallised adamellite porphyry with chlorite after recrystallised biotite; some possible quartz veins and clay-filled fractures.

The bulk composition and texture of this sample corresponds to an adamellite porphyry, with rare plagioclase phenocrysts to 2 mm long in a finer quartzofelspathic groundmass. Even rarer phenocrysts of quartz and alkali felspar were noted.

The groundmass has subequal amounts of quartz, plagioclase and alkali felspar with most grains less than 0.5 mm in size, although this may have been modified by recrystallisation. Most of the plagioclase has been weakly sericitised, but the alkali felspar (microcline) is fresh. There is minor chlorite which in this sample has minor leucoxene and is after largely recrystallised biotite, in lenses rarely to 2 mm in size (former phenocrysts). Most of the former biotite was a groundmass component, however.

There is no obvious foliation but there are some quartz-rich lenses which may represent disrupted veins, and some clay-filled fractures.

771726
PD-3, 105.7 m

Quartz-plagioclase-microcline-biotite schist with sericite and muscovite partly after plagioclase, derived from a more mafic adamellite porphyry than that represented by 771725.

There is much more biotite and muscovite in this sample than in the previous sample, and there is a strong schistosity, largely defined by the biotite, which is fresh and not altered to chlorite. Scattered augen (phenocrysts) of plagioclase and microcline are evident and are mostly about 3 mm in diameter. No quartz phenocrysts were seen, although the matrix is quartz-rich and probably includes recrystallised originally coarser quartz. The plagioclase is more highly altered than in the previous sample with decussate muscovite in some grains, as well as or instead of fine sericite.

The matrix is, as indicated, quartz-rich, and together with the micas constitutes a quartz-plagioclase-microcline-biotite schist with minor decussate muscovite, mostly in biotite-rich lamellae and lenses from 0.1 to 0.5 mm thick. In the alternate lamellae, which are quartzofelspathic, it seems that microcline is more abundant than plagioclase. The overall composition indicates an original adamellite porphyry, albeit transitional towards granite porphyry.

Minor sphene and apatite occur in the biotite, together with very small radioactive grains, but no opaque oxide was seen.

771767
RP-4, 127-128m

Altered biotite granodiorite gneiss with a mylonitic foliation.

Augen of microcline to 6 x 4 mm occur in this sample with more abundant totally sericitised plagioclase to 3 mm long, in a foliated matrix with abundant recrystallised quartz, and foliae of schistose fresh to weakly altered biotite. There is a variable quartz fabric in which the quartz c-axes are mostly at a high angle to the foliation, but with local modifications due to control by highly strained old grains. The bulk composition is that of a granodiorite, with 30-35% quartz, 15-20% microcline, 45-50% plagioclase and 3% biotite. The foliation in this sample approaches a mylonitic character.

771768
PD-3, 57-58 m

Granite gneiss with biotite and minor muscovite.

This sample is also a granitoid gneiss with sparse augen of sericitised plagioclase and microcline to 2 mm long, in a weakly laminated quartz-felspar-biotite-muscovite schist with microcline> plagioclase, and without the quartz fabric seen in the previous sample. This sample has 6-7% biotite and 3-4% muscovite, as well as 35% quartz, 10-15% plagioclase and 40-45% microcline.

771769
PD-3, 73-74 m.

Hornblende-biotite-altered pyroxene-bearing quartz monzonite, accessory magnetite, trace apatite and zircon c.f. 771765-766.

This sample is similar to samples 771765-766 from drill-hole RP-4. It seems to be a quartz monzonite, more similar to 771766, with an estimated mineralogy as follows:

Quartz	10-15%
Microcline	40-45%
Plagioclase	25-30%
Hornblende	10%
Biotite	2-3%
Altered pyroxene	2-3%
Magnetite	2%
Apatite	1%
Zircon	tr

The felspars are fresh and up to 4 mm in grainsize. There are rare graphic quartz-microcline aggregates and some of the microcline has marginally exsolved plagioclase, some of which is myrmekitic (this occurs between microcline grains, not between microcline and plagioclase). Sparsely poikilitic hornblende occurs locally to 10 mm diameter, and there is some poikilitic biotite, The hornblende encloses altered (uralitised) pyroxene as well as magnetite and apatite, and the biotite enclosed magnetite and apatite. There are also some separate altered pyroxene grains, and accessory magnetite > apatite > zircon.

APPENDIX 5

DRILL LOGS
RAB PROGRAMME

ABERFOYLE RESOURCES LTD

LORATION DIVISION
WESTERN AUSTRALIA - YILGARN

Data Sets

Geology

d Name	Type	Length (spaces)	Example
m	Numeric	7.2	102.20
To	Numeric	7.2	103.20
Colour	Character	8	LBrRd
Weathering	Character	2	M
k Type	Character	12	vfBvt
ric/Texture	Character	8	WShd
zVn	Numeric	4	15
Comments	Character	30	

Alteration

Field Name	Type	Length (spaces)	Example
Fm	Numeric	7.2	102.30
	Numeric	7.2	103.20
	Character	6	BiCb
mount	Numeric	4.1	
Intensity	Character	4	M

ote: use % amount or intensity.

Mineralisation

Field Name	Type	Length (spaces)	Example
	Numeric	7.2	102.30
	Numeric	7.2	103.20
ulphide	Numeric	4.1	5
Type	Character	8	PyPo
Texture	Character	6	Dis

Structure

Field Name	Type	Length (spaces)	Example
h (to top)	Numeric	7.2	102.30
	Character	8	Bed
Width	Numeric	8.3	0.4
Dip	Numeric	2	
Dip Dir'n	Numeric	3	
Angle	Numeric	2	40
uency/m	Numeric	3	

GEOLOGY DATA SET

Colour

Bk	black
Bl	blue
Br	brown
Cr	cream
Gn	green
Gy	grey
Kh	khaki
Mv	mauve
Or	orange
Pk	pink
Pu	purple
Rd	red
Wh	white
Ye	yellow

L Light
D Dark

Weathering/Oxidation

S	Strong
M	Moderate
W	Weak
Fr	Fresh

s prefix to Fabric/Texture
lty of Alteration

Rocktype

insize

c	coarse
m	medium
f	fine

v Very

LITHOLOGY

Recent Surficial Deposits

Q	undifferentiated
Qt	transported cover (dep)
Qr	residual soil (res)
Qh	hardpan}
Qs	silcrete } late overprint
Qc	calcrete}
Ql	lake sediments
Qf	ferruginous lag/transp. laterite?

grainsize suffix

c	clay
s	sand
g	gravel
p	pisolite
n	nodule

i.e. sand cover with hardpan
= Qts/Qh
i.e. in situ pisolitic laterite
= Lfp
if hardpanized
= Qh/Lfp
if calcreted
= Qc/Lfp
i.e. pallid clay on suspected Amp
Lc/Amp?

Laterite Profile

L	undifferentiated
Lf	ferruginous
Lm	mottled
Lc	pallid clay zone
Ls	saprolite

Mafic Rocks

B	undifferentiated mafics
Bi	intrusive
Bv	volcanic, undiff.
Bvt	volcanic, tholeiitic
Bvk	volcanic, komatiitic
Bvm	volcanic, high Mg,
Bdo	dolerite
Bgb	gabbro
Bdq	quartz granophyric dolerite
Bgq	quartz granophyric gabbro
Ban	anorthosite
Bt	tuff, tuffaceous sedim.

Felsic Rocks

A	undifferentiated
Ai	intrusive (minor) undiff. (same as Agp)
Av	volcanic undiff.
Avr	rhyolite
Avd	dacite
At	tuff, tuffaceous sedim.
Ag	Granitoid undiff.
Ag_	s syenite
	d diorite
	t tonalite
	g granite
	d granodiorite
	m monzogranite
	n gneissic
	p porphyry
Iv	intermediate volcanic
Iva	andesite
It	tuff, tuffaceous sedim.

Sediments

S	undifferentiated sediment
Ss	sandstone
Sp	pelitic sediment
Sq	quartzite
Sh	shale
Sci	chert
Sif	ironformation
Sd	dolomite
Sc	conglomerate

Ultramafic Rocks

U	undifferentiated
Upd	peridotite
Upx	pyroxenite
Us	serpentenite
Ud	dunite
Uol	olivine rich
Utc	talc carbonate rock (schistose talc rocks see over)

Metamorphic/Alteration/Tectonic Rocks

base on mineralogy, with textural prefix

i.e. SchBiClEp VnQzCc
SchTaClCb HnfAmFd
GnsQzFdBi
SchQzSePy

textural/descriptive prefixes

Gns	gneiss	Hnf	hornfels
Sch	schist	Rk	rock
Gos	gossan	Vn	vein
Skn	skarn	Dyk	dyke
Bx	breccia	Fz	fault zone
Amp	amphibolite	Grn	granulite

In local databases, where strat column has been established, abbreviations of these names are likely i.e. Davyhurst Bs, Ca, Acs, Tcs, Amp etc.

ABBREVIATIONS

MINERALS

Ab	albite
Ac	actinolite
Ad	andalusite
Am	amphibole
As	arsenopyrite
Ba	barite
Bi	biotite
Cb	carbonate
Cc	calcite
Cl	chlorite
Cp	chalcopyrite
Cy	clay
Dp	diopside
Ep	epidote
Fd	feldspar
Fe	iron oxide
Fu	fuchsite
Ga	garnet
Gn	galena
Go	goethite
Gr	graphite
Hb	hornblende
He	hematite
Ka	kaolin
Kf	k-feldspar
Li	limonite
Ma	magnesite
Mi	mica
Mt	magnetite
Mu	muscovite
Ol	olivine
Pl	plagioclase
Po	pyrrhotite
Px	pyroxene
Py	pyrite
Qv	quartz (vein)
Qz	quartz undiff
Sc	serpentine
Sd	siderite
Si	silica
Sr	sericite
Ta	talc
Tm	tourmaline
Tr	tremolite
VG	visible gold

Fabric/Texture Structural Feature

Amr	amorphous	
Bed	bedded,	bedding
Bkn	broken	
Bky	blocky	
Bn(d)	banded	band
Bx(d)	brecciated	breccia
Clv	cleaved	cleavage
Crn	crenulated	crenulation
Cum	cumulate	
Dis	disseminated	
Eqi	equigranular	
Euh	euhedral	
Fis	fissile	
Flb	flow banded	flow banding
Fld	folded	fold axis
Fol	foliated	foliation
Fz	fault zone	fault zone
Gns	gneissic	
Ibd	interbedded	
Lam	laminated	laminae
Lay	layered	layer
Lin	lineated	lineation
Lnt	lenticular	lenticle
Mas	massive	
Peg	pegmatitic	
Pil	pillowed	pillow
Por	porphyritic/porph yroblastic	
Rxt	recrystallised	
Sch	schistose	schistosity
Sem	semi-massive	
Sh(d)	sheared	shearing
Stk	stockworked	
Ves	vesicular/amygda loidal	
Vn(d)	veined	vein
Vug	vuggy	
Xbd	cross-bedded	cross-bedding
Xct	cross cutting	
Xtl	crystalline	

Aberfoyle Resources Limited

EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: R00801 29 | DIP: -90 | GEOLOGIST: KSH | PAGE: 1

COLLAR NORTH: 10 000 | AZIMUTH: ~ | DRILLER: STADCOTE | OF:

COLLAR EAST: | COMMENCED: 17.4.95 | RIG TYPE: EDSON 2000

LICENCE/PROSPECT: SAFARI | RL: 500 | COMPLETED: 17.4.95 | TOTAL DEPTH: 51

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835177	0-3		Qfs, Qlg	RdBr		S							v. rare pisolites
178	3-6		Qs, Qcv	CrRdBr		S							Fe-stained Qs, vn Qtz
179	6-9		Qcv, Qs	"		"							
180	9-12		Qs	LGn-Br		"							LGn - Br Qs → silicified Lc,
181	12-15		"	PkLGn		"							"
182	15-18		Lc	LGn		"							
183	18-21		Lc, Ls	DGn-KH		"							
184	21-24		Ls/Agg?	"		"							v. weak crystalline text.
185	24-27		Ls	"		"							
186	27-30		"	"		"							
187	30-33		"	DGn		"							
188	33-36		"	"		"							
? 189	36-39		"	"		"							
? 190	39-42		"	"		"							
?	42-45		Ls/Agg?	"	v.xtl	"							
?	45-48		Ls/Agg	"	xtl	M							v. Mi-rich granite
191	48-51		"	"	"	"							H_2O. EOH.

2 SAMPLES MISSED TOWARDS EOH

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID RSO80130 | DIP -90 | GEOLOGIST KSH | PAGE 1
COLLAR NORTH 9990 | AZIMUTH u | DRILLER STANDCOTE | OF
COLLAR EAST | COMMENCED 17.4.95 | RIG TYPE EDSON 200
LICENCE/PROSPECT SAFARI | RL 500 | COMPLETED 17.4.95 | TOTAL DEPTH 43

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835192	0-3		Qc, Qtz	RdBr		S							+ pisolites
193	3-6		u	u		u							Rust etc
194	6-9		Qc, Qs	LGnCr		u							Vein Qtz, LGn/Br Qtz as prev.
195	9-12		Qs	LGn		u							
196	12-15		u	LGnPk		u							LGn + Pk (Fe?) Qs
197	15-18		Lc	LGnWh		u							
198	18-21		Lc/Lm	LGnPk		u							
199	21-24		Lc/Ls	LGnPk		u							
200	24-27		Ls	GnYe		u							
201	27-30		Ls	Gn		u							
202	30-33		u	u		u							vo. schistose
203	33-36		u	u									u
204	36-39		Ls	Gn		u							
205	39-42		Ls/Agg	u	xtl	M							
206	42-43		Agg	u	u	M							prob. Agg
													Micaceous, fairly felsic Agg.
													EOH - losing air

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: R008131 | DIP: -90 | GEOLOGIST: KSH | PAGE: 1

COLLAR NORTH: 9800 | AZIMUTH: " | DRILLER: STAYCOTE | OF:

COLLAR EAST: | COMMENCED: 17495 | RIG TYPE: EDSON 2000

LICENCE/PROSPECT: SAFARI | RL: 500 | COMPLETED: 17.4.95 | TOTAL DEPTH: 53

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	Hammer tot. 16m Day tot. 375 m
835207	0-3		Qtg, Qtz	RdBr		S							
208	3-6		Qtg, Qs	CrRdBr		S							
209	6-9		Qs	LGnWh		S							LGn & LBr Qs
210	9-12		"	"		"							"
211	12-15		"	"		"							" + Pk Qs
212	15-18		"	LGnPk		"							" "
213	18-21		Ls	LGnYe		"							
214	21-24		"	Br		"							
215	24-27		"	"		"							
216	27-30		"	"		"							+ bright Grn clys
217	30-33		"	"		"							
218	33-36		"	Brfun		S-M							Prob. ex-Ag. Zone of little sample Tvst
219	36-39		"	"		"							
220	39-42		"	"		"							Malic-rich Agg ?
221	42-45		"	"		"							Lots of malics + Hem
222	45-48		Ls/Agg	"		M							
223	48-51		"	"		"							Qtz-Hem (or Kspa) vns.
224	51-53		"	"		"							EOH in malic-rich granitoid (due to loss of air)

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: R00S0132 | DIP: -90 | GEOLOGIST: KSH | PAGE: 1
COLLAR NORTH: 9700 | AZIMUTH: " | DRILLER: STADCOTE | OF: 1
COLLAR EAST: | COMMENCED: 18.4.95 | RIG TYPE: EDSON 2000
LICENCE/PROSPECT: SAFARI | RL: 500 | COMPLETED: 18.4.95 | TOTAL DEPTH: 30

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835 061	0-3		Rtg, Qf	RdBr		S							Abundant pisolites
062	3-6		", Qs, Qc	C/RdBr		S							Polylithic gravel + pisolites
063	6-9		Qs	LGnC.		S							LGn + Br Qs
064	9-12		"	"		"							" } Prob. silcrete
065	12-15		"	LGn		"							LGn Qs } plasmic clays?
066	15-18		Qs/Lc	"		"							More clay-rich
067	18-21		"	"		"							
068	21-24		Lc	LGn/Wh		"							
069	24-27		Lc/Ls	LGn		"							
070	27-30		Ls	Gn		"							EOH - losing air +
													sample return

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: RD08013 | DIP: -90 | GEOLOGIST: KSH | PAGE: 1

COLLAR NORTH: 9600 | AZIMUTH: " | DRILLER: STADCORE | OF:

COLLAR EAST: | COMMENCED: 18.4.95 | RIG TYPE: EDSON 2000

LICENCE/PROSPECT: SAFARI | RL: 500 | COMPLETED: 18.4.95 | TOTAL DEPTH: 62

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835071	0-3		Qfs, Qfg	RdBr		S							Sand + minor polylithic g
072	3-6		Qs, Qfg	GrRdBr		S							
073	6-9		Qs, Qc	LBr		S							
074	9-12		Qs	LGr-Gr		"							LGr - Br Qs
075	12-15		Qs, Lc	"		"							LGr - Pfc Qs, Lc
076	15-18		"	"		"							
077	18-21		"	"		"							
078	21-24		Lc/Ls?	LGnGy		"							Slightly saprolitic?
079	24-27		Ls	LGn		"							Basically pure clay
080	27-30		"	"		"							
081	30-33		"	"		"							Mafics - Mi or Mm.
082	33-36		Ls/Agfs	DGn-Pu		G-M							ex. Ag-looking Ls + Rust?
083	36-39		Ls/Ag	DGn		"							→ f.g. Ag
084	39-42		"	"		"							Rust + f-m.g. Qtz + Plag + Mix
085	42-45		Ls/Ag/Amp?/Kf	"		"							Qtz + Plag + Mu chips
086	45-48		Ls/Ag/Kf	"		"							+ Amp? chips, KfQtz vns
087	48-51		"	"		"							
088	51-54		"	"		"							Fe staining. Agg? + QtzPlagMu as?
089	54-57		Ls/Agg	"		M							Prob. Agg. Little Kspar
090	57-60		"	"		"							Felsic Kspar-poor Agg. Qtz Mm
091	60-62		"	"		M-W							Mafics.

Pre Mm standard Agg. EOH

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: RD0801354 | DIP: -90 | GEOLOGIST: KSH | PAGE: 1

COLLAR NORTH: 9500 | AZIMUTH: " | DRILLER: STADCOTE | OF:

COLLAR EAST: | COMMENCED: 18.4.95 | RIG TYPE: EDSON 2000

LICENCE/PROSPECT: SAFARI | RL: 500 | COMPLETED: 18.4.95 | TOTAL DEPTH: 58

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835092	0-3		Qlts	RdBr		S							
093	3-6		Qfg, Qs	CrRdBr		S							minor pisolites
094	6-9		Qs, Qf	Cr		S							Numerous pisolites,
095	9-12		Qs	LGrCr		"							LGm - Br Qs
096	12-15		"	"		"							"
097	15-18		"	"		"							LGm Qs
098	18-21		Qs, Lc	"		"							
099	21-24		Lc, Qs	"		"							Slightly silicified Lc
100	24-27		Ls	LGry		"							Pure clay.
835225	27-30		Ls, Lc	"		"							"
226	30-33		Ls	LGm		S+M							F.g. felsic chips as per prev. hole
227	33-36		"	"		"							Fe staining
228	36-39		"	LGmBr		"							"
229	39-42		Ls/Ag	"		"							
230	42-45		"	DGm	xtl	M							Same Dk mafic chips as prev.
231	45-48		Ls/Agg	DGm	xtl	M							+ vn Qz + Rust-looking chips
232	48-51		"	"	"	M-W							
233	51-54		"	"	"	"							Lots of mafic chips.
234	54-57		"	"	"	W							
235	57-58		"	"	"	"							EOH.

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: RODD135 | DIP: -90 | GEOLOGIST: KSR

COLLAR NORTH: 9400 | AZIMUTH: " | DRILLER: STADCOTE

COLLAR EAST: | COMMENCED: 18.9.95 | RIG TYPE: EDSON 2000

RL: 500 | COMPLETED: " | TOTAL DEPTH: 57m

PAGE: 1 OF

LICENCE/PROSPECT: SAFARI

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835236	0-3		Qfs, Qfg	RdBr		S							
237	3-6		Qfg	CrRdBr		S							Ferruginous polylithic gravel.
238	6-9		Qs	LGnCr		"							LGn - Bn Qs.
239	9-12		"	"		"							
240	12-15		"	"		"							Rare calcrete
241	15-18		"	Cr		"							
242	18-21		"	"		"							Cy Qs.
243	21-24		"	"		"							
244	24-27		"	CrCy		"							
245	27-30		Qs/Lc	"		"							+ vn Qz
246	30-33		Lc/Ls	Gn		"							Saprolitic clys.
247	33-36		Ls	"		"							"
248	36-39		"	"		"							"
249	39-42		Ls/Ag	"	weathered	S-M							ex-Agg?
250	42-45		"	"	"	"							
251	45-48		"	"	"	"							
252	48-51		"	"	"	"							
253	51-54		"	"	"	"							
254	54-57		"	"		S							EOH Losing air.
													V. likely Agg.

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: R008136 | DIP: -90 | GEOLOGIST: KSH | PAGE: 1

COLLAR NORTH: 9300 | AZIMUTH: — | DRILLER: STADCOTE | OF: 1

COLLAR EAST: | COMMENCED: 18.4.95 | RIG TYPE: EDSON 200

LICENCE/PROSPECT: SAFARI | RL: 500 | COMPLETED: 18.4.95 | TOTAL DEPTH: 20m

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835255	0-3		Qtz	RdBr		S							
256	3-6		Qc, Qf	C-RdBr		S							
257	6-9		Qs, Qf	Cr		S							
258	9-12		Qs	Cr		S							LCm - Bm Qs
259	12-15		Qs, Lc	"		"							LCm Qs, Lc clays
260	15-18		"	"		"							"
261	18-20		"	"		"							EOH. Rods bogging

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: RD98A137 | DIP: -90 | GEOLOGIST: KSH | PAGE:

COLLAR NORTH: 10100 | AZIMUTH: ~ | DRILLER: STADCOTE | OF: 1

COLLAR EAST: | COMMENCED: 18.4.95 | RIG TYPE: EDSON 1000

LICENCE/PROSPECT: SAFARI | RL: 500 | COMPLETED: 18.4.95 | TOTAL DEPTH: 56

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835262	0-3		Qtz. Qtg	R&Bn		S							Rare pisolites
263	3-6		"	"		"							"
264	6-9		Qs	Cr		"							LGn + Bn Qs
265	9-12		"	"		"							"
266	12-15		"	"		"							"
267	15-18		Qs/Lc	LBn		"							Qs on pallid clay
268	18-21		Lc, Ls	Kh Gn		"							Poss. silcreticed saprolite
269	21-24		Ls	Gn	w.sch	"							ex-Sch.?
270	24-27		"	Gn		"							
271	27-30		"	"		"							
272	30-33		"	"		"							Ex-Agg, probably
273	33-36		"	"		"							
274	36-39		Ls/Agg	"	wxtd	S-M							ex-Agg
275	39-42		"	"	"	"							
276	42-45		Ls/Agg, Sch	"	xtd/sch	"							Agg + DGn sch.
277	45-48		Sch/Agg ff	"	"	"							Mainly Sch. Some Kspar
278	48-51		Sch/Agg	"	sch	M							Strongly schistose Ag.
279	51-54		Sch/Ag	"	"	M-W							" , Kf, E staining
280	54-56		"	"	"	"							EOH

Aberfoyle Resources Limited

EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: 10080138 | DIP: -90 | GEOLOGIST: KSH | PAGE: 1

COLLAR NORTH: 10200 | AZIMUTH: " | DRILLER: STADCOTE | OF:

COLLAR EAST: | COMMENCED: 18.4.95 | RIG TYPE: EDSON 2000

LICENCE/PROSPECT: SAFARI | RL: 500 | COMPLETED: 18.4.95 | TOTAL DEPTH: 39

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835281	0-3		Qfs, Qfg	LtBr		S							Polylithic gravel
282	3-6		Qf, Qc	Cr Rdbr		S							Ferruginous hardpan.
283	6-9		Qc, Qs	"		"							Lag - Br Qs ; Qc
284	9-12		"	"		"							
285	12-15		Qs/Lc	"		"							
286	15-18		Lc/Ls	Cr Ye		"							Yellow saprolitic clys
287	18-21		Ls	"		"							
288	21-24		"	"		"							
289	24-27		"	"		"							
290	27-30		"	"		"							
291	30-33		"	"		"							
292	33-36		Ls/Ag	"	a.xtl	"							ex-Ag?
293	36-39		Ls/Ag	"	"	S-M							
													Hit H_2O @ 39 m
													EOH.

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: R0080139 | DIP: -90 | GEOLOGIST: KSH | PAGE: 1

COLLAR NORTH: 10300 | AZIMUTH: ~ | DRILLER: STADCOTE | OF: 2

COLLAR EAST: | COMMENCED: 18.4.95 | RIG TYPE: EDSON 2000

LICENCE/PROSPECT: SAFARI | RL: 500 | COMPLETED: 18.4.95 | TOTAL DEPTH: →

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835294	0-3		Qtz/qtz	OrBr		S							mixed sand + lesst qtz gravels
295	3-6		qtz/Qtz/Lc	BrWh		"							Kdt + silcrete) pelbd clays
296	6-9		Qtz/Ls	WhLtBr		"							silcrete)(wk) pelbd clays
297	9-12		"	"		"							"
298	12-15		"	"		"							"
299	15-18		Qtz/Ls/Lc	WhBr		"							silcrete) pelbd + saprolith?
300	18-21		Ls	Br		"							
301	21-24		"	"		"							
302	24-27		"	"		"							
303	27-30		"	"		"							
304	30-33		Ls/sch	BrLtGy	sch	M-S							ex schist
305	33-36		"	"	"	"							"
306	36-39		"	BrLtGn	"	"							green stained (clay!)
307	39-42		"	"	"	"							"
308	42-45		Ls/sch/Qtz	"	sch/qtz	M-S							"
309	45-48		"	"	"	"							
310	48-51		"	"	"	"							
311	51-54		"	"	"	"							mica + Feldspar? schistose gneiss
312	54-57		"	"	"	"							" (as on level)
313	57-60		"	"	"	"							

Aberfoyle Resources Limited

EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: R008013 9 | DIP: -90 | GEOLOGIST: CGD | PAGE: 2

COLLAR NORTH: 10300 | AZIMUTH: - | DRILLER: [illegible] | OF: 2

COLLAR EAST: | COMMENCED: 18-4-95 | RIG TYPE: [illegible] 2000

LICENCE/PROSPECT: SAFARI | RL: | COMPLETED: 18-4-95 | TOTAL DEPTH: 65m

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835 314	60-63		Cms/sch	orGm	schfgms	M							
315	63-65		sch/cms	GrgnOr	"	W							more mica - less fldspar
													EOH 65m

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PERCUSSION DRILL LOG

HOLE ID: R00801411 | DIP: -90 | GEOLOGIST: CCD/KSH | PAGE: 1

COLLAR NORTH: 10400 | AZIMUTH: ~ | DRILLER: STADCOTE | OF: 1

COLLAR EAST: | COMMENCED: 19.4.95 | RIG TYPE: EDSON 2000

LICENCE/PROSPECT: SAFARI | RL: 500 | COMPLETED: 19.4.95 | TOTAL DEPTH: 21

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835316	0-3		Qt, Qtg	RdBr		S							mixed sand & gravels below 1.5m
317	3-6		Qtg/Qs/Lc	RdBr Wh		"							gravels to 4m then silcrete & pallid
318	6-9		Qs/Ls	WhLtBr		"							silcrete pallid zone
319	9-12		"	WhLtBr		"							"
320	12-15		Lc	Wh		"							
321	15-18		"	"		"							+ vein qt ?
322	18-21		"	"		"							lost sample. Sticky wet clays.
													Couldn't drill. Hole
													abandoned in pallid clays.

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PERCUSSION DRILL LOG

HOLE ID: K0090142 | DIP: -90 | GEOLOGIST: CGD | PAGE: 1
COLLAR NORTH: 10000 | AZIMUTH: - | DRILLER: STADCORE | OF: 1
COLLAR EAST: | COMMENCED: 19-4-95 | RIG TYPE: Edson 2000
LICENCE/PROSPECT: SAFARI | RL: | COMPLETED: 19-4-95 | TOTAL DEPTH: 23

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835323	0-3		Qk/Qtc/Qtg	RdBr		S							Moist Red clays
324	3-6		Qs/Qtg	RdBrCr		"							rinsed collar sw 2m to ground EM wire
325	6-9		Qs/Lc	LCr Wh		"							silcrete/ferruginised gravels ?
326	9-12		"	"		"							silcrete/ferruginised pothed gravel)
327	12-15		"	"		"							"
328	15-18		"	"		"							"
329	18-21		"	"		"							moist
330	21-23		"	"		"							Hole abandoned in wet
													gritty clays - no sample
													return at all.
													will go to sw end of
													line and work back.

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PERCUSSION DRILL LOG

HOLE ID: R009043 | DIP: -90 | GEOLOGIST: CWD | PAGE: 1
COLLAR NORTH: 9200 | AZIMUTH: - | DRILLER: SADDOSE | OF: 1
COLLAR EAST: | COMMENCED: 9-4-95 | RIG TYPE: Explo 2000
RL: | COMPLETED: 19-4-95 | TOTAL DEPTH: 60m

LICENCE/PROSPECT: SAFARI

HAMMER HOLE!

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835331	0-3		Qtz	RdBr		S							+ minor ground
332	3-6		Qtz	RdBr		"							polylithic - qtz + Rust + Qs + other
333	6-9		Qtz/Qs	RdBrCh		"	hammer on Sm						couldn't penetrate - move NE 2m - try again
335 *	9-12		Qs/Lc	WhLBr		"							silicified pelitic zone + py clasts
336 *	12-15		Lc	Wh		"							+ vein? qt
334 *	15-18		"	"		"							
337	18-21		"	WhCr		"							
338	21-24		"	"		"							
339	24-27		"	"		"							v. light greenish hue
340	27-30		"	WhLGn		"							" (still pelitic)
341	30-33		"	"		"							gradually darkening in colour
342	33-36		Lc/Ls	LKh		"							olivey green.
343	36-39		Ls	GnBr		"							
344	39-42		"	"		"							
345	42-45		"	Gn		"							just clays + fine qtz
346	45-48		"	"		"							"
347	48-51		"	"		"							"
348	51-54		"	"		"							"
349	54-57		"	"		"							clay + clean qtz
350	57-60		"	"		"	Suspect Agg??						AIA - Lost sample return EOH

* make stuff up with numbers.

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PERCUSSION DRILL LOG

HOLE ID: R009014 4 | DIP: -90 | GEOLOGIST: CW | PAGE: 1
COLLAR NORTH: 9300 | AZIMUTH: — | DRILLER: SPINDLOE | OF:
COLLAR EAST: | COMMENCED: 19-4-95 | RIG TYPE: EDSON 2000
LICENCE/PROSPECT: SAFARI | RL: | COMPLETED: 19-4-95 | TOTAL DEPTH: 54m

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	HAMMER HOLE! COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835351	0-3		qts/Qtg	RdBr		S							polylithic gravels below 2m
352	3-6		Qtg/Qs	RdBr		"							"
353	6-9		qs/Lc	Cr		"							silcrete/ pallid zone
354	9-12		"	"		"							minor purple staining
355	12-15		"	"		"							
356	15-18		"	"		"							
357	18-21		Lc	"		"							
358	21-24		"	"		"							+ qt gravs
359	24-27		Lc/Ls	Wh/Cr		"							reduced pallid + sap
360	27-30		Ls	Cr		"							ex Agg??
361	30-33		"	"		"							"
362	33-36		"	"		"							"
363	36-39		"	"		"							"
364	39-42		"	"		"							"
365	42-45		"	"		"							+ qt ex Agg?
366	45-48		"	"		"							"
367	48-51		Ls/Agg	"		M-S							
368	51-54		"	"		M							EOH - hard (bedrock?

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PERCUSSION DRILL LOG

HOLE ID: R0090145 | DIP: -90 | GEOLOGIST: CAD | PAGE: 1

COLLAR NORTH: 9409 | AZIMUTH: - | DRILLER: STADGATE | OF: 1

COLLAR EAST: | COMMENCED: 19-4-95 | RIG TYPE: EDSON 2000

LICENCE/PROSPECT: SAFARI | RL: | COMPLETED: 19-4-95 | TOTAL DEPTH: 50m

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	HAMMER HOLE COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835369	0-3		Qtz/qtg	RDBr		S							polylithic gravels under 1.5m soil
370	3-6		qtg/Lc	BrWh		"							
371	6-9		Qs/Lc	Wh		"							
372	9-12		"	"		"							+ contamination
373	12-15		"	WhLBr		"							
374	15-18		"	Wh		"							less silicification
375	18-21		Lc	"		"							
376	21-24		"	"		"							
377	24-27		"	"		"							
378	27-30		Lc/Ls	WhCm		"							transition
379	30-33		Ls	Cm		"							
380	33-36		"	"		"							
381	36-39		"	"		"							ex Agg?
382	39-42		"	"		"							"
383	42-45		Ls/Agg	"		M-S							fine grained qt bearing Agg
384	45-48		"	"	sch?	"							poss schistose?
385	48-50		"	"		M-S							EOH on hard band?
													ex Agg? qt+plag/kf+ mica granite with poss schistose texture

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PERCUSSION DRILL LOG

HOLE ID: R009046 | DIP: -90 | GEOLOGIST: CGD | PAGE: 1
COLLAR NORTH: 9500 | AZIMUTH: - | DRILLER: STADCORE | OF: 1
COLLAR EAST: | COMMENCED: 19-4-95 | RIG TYPE: EDSON 3000
RL: | COMPLETED: 19-4-95 | TOTAL DEPTH: 49m
LICENCE/PROSPECT: SAFARI

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	HAMMER HOLE COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
B35386	0-3		Qtz/Qtzg	PBr		S							polylithic gravels under 1.5-2m Sand
387	3-6		Qtzg/Qtz/Lc	BrCr		"							gravels to 4m then siltstone pisolitic?
388	6-9		Qtz/Lc/Lm?	CrBr		"							+ oxides (mottled zone!!)
389	9-12		Qtz/Lc	Wh		"							contam from 2-4m
390	12-15		"	WhLBr		"							
391	15-18		"	"		"							less siltstone
392	18-21		Lc	Wh		"							
393	21-24		"	"		"							
394	24-27		Lc/Ls/Qtzgfrd	WhLCr	xtl sch	M-S							mixed pollidosap with Qtzg fragments
395	27-30		Ls/Qtzg/Lms?	LCr	grns?	"							prob ex greens?
396	30-33		"	"	"	"							"
397	33-36		"	"	"	"							
398	36-39		"	"	"	"							
399	39-42		"	"	"	"							
400	42-45		Ls	Cr	"	S							
401	45-48		"	"		"							+ qt grains
402	48-49		Ls/Qtzg	"		M-S							ex Qtzg. EOH when couldn't penetrate

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PERCUSSION DRILL LOG

HOLE ID: RDD9147 | DIP: -90 | GEOLOGIST: CGD | PAGE: 1

COLLAR NORTH: 9600 | AZIMUTH: — | DRILLER: STADCOTE | OF: 1

COLLAR EAST: | COMMENCED: 19-4-95 | RIG TYPE: Edson 2000

LICENCE/PROSPECT: SAFARI | RL: | COMPLETED: 20-4-95 | TOTAL DEPTH: 39m

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	Harvester Hole COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
B35403	0-3		Qtz	PdBr		S							hard but just sand???
404	3-6		Qtz/qs/Lc	BrWh		"							gravels + silicified pallid clays
405	6-9		Qs/Lc	WhLtBr		"							silicified pallid zone clays
406	9-12		"	"		"							minor pale green chips
407	12-15		"	Wh		"							
408	15-18		"	WhLtGn		"							gradual colour change + qtz
409	18-21		Lc/Ls	LtGn		"							
410	21-24		Ls	LtBr		"							ex Dgy ?
411	24-27		"	Br		"							
412	27-30		"	"		"							
413	30-33		"	BrGn		"							+ qtz:
414	33-36		"	"		"							+ f.-m ground qtz grains
415	36-39		Ls/Dgy	"		S-M							ex Dgy ? . Could penetrate
													no further. EOH

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PERCUSSION DRILL LOG

HOLE ID: R009014B | DIP: -90 | GEOLOGIST: CAD | PAGE: 1
COLLAR NORTH: 9700 | AZIMUTH: - | DRILLER: STACOTE | OF:
COLLAR EAST: | COMMENCED: 20-4-95 | RIG TYPE: EDSON 2000
RL: | COMPLETED: 20-4-95 | TOTAL DEPTH: 35
LICENCE/PROSPECT: SAFARI

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835416	0-3		Qtz/Qtzlg/Lg	RdBr		S							polylithic gravels under sand
417	3-6		Qtzlg/Qtz/Lc?	BrGr		"							gravels low silcrete
418	6-9		Qtz/Lc	Gr		"							silcrete? contam? silicified pallid zone - minor Fe oxides
419	9-12		Qtz/Lc	Gr		"							
420	12-15		"	Wh		"							
421	15-18		Lc	WhLtGn		"							pale green - less silcrete
422	18-21		Lc	LtGnLtBr		"							pale green/brown clay only
* 423	21-24		Ls	Br		"							deep brown clays
424	24-27		"	"		"							+ vein qtz
425	27-30		"	"		"							" + poss contam
426	30-33		"	"		"							" "
427	33-35		"	"		"							EOH on very hard and sudden bedrock - virtually no sample of hard silcrete. Rock type unknown.

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PERCUSSION DRILL LOG

HOLE ID: R009149 | DIP: -90 | GEOLOGIST: CAD/KSH | PAGE: 1
COLLAR NORTH: 9800 | AZIMUTH: - | DRILLER: STADCOTE | OF: 2
COLLAR EAST: | COMMENCED: 20-4-95 | RIG TYPE: EDSON 2000
LICENCE/PROSPECT: SAFARI | RL: | COMPLETED: 20-4-95 | TOTAL DEPTH:

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835428	0-3		Qtz Qtg, Lf	RtBr		S							Gravels + pisolites
429	3-6		"	LRdBr		"							Gravels, vn Qtz (minor)
430	6-9		Qs, Qc	Cr		"							Calcrete minor
431	9-12		Qs	Cr		"							Cre Cy Qs; Lf → contam?
432	12-15		"	"		"							
433	15-18		Qs/Lc	"		"							Minor pallid cy.
434	18-21		Lc	Wh		"							Wh + LBr plasmic cy
435	21-24		Lc/Ls	LYeGn		"							Some coloured (saprolitic?) cy.
436	24-27		Ls	"		"							
437	27-30		Ls/Agg	"		"							
438	30-33		"	"		"							Predominantly Hm-stained vn Qtz
439	33-36		Ls/Agg	Gn	xtl	S-M							
440	36-39		"	"	"	M							
441	39-42		"	"	"	"							Orangy-stained Agg
442	42-45		"	"	"	"							
443	45-48		"	"	"	"							+ minor vn Qtz
444	48-51		"	"	"	"							
445	51-54		"	"	xtl/Grs?	"							Some v. mafic chips → Grs test?
446	54-57		"	"	shd.	"							w.sch. DRd chips
447	57-60		"	"	"	"							

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PERCUSSION DRILL LOG

HOLE ID: R0090149 | DIP: -90 | GEOLOGIST: KSH | PAGE: 2
COLLAR NORTH: 9800 | AZIMUTH: " | DRILLER: STADCOTE | OF: 2
COLLAR EAST: | COMMENCED: 20.4.95 | RIG TYPE: EDSON 2000
RL: 500 | COMPLETED: 20.4.95 | TOTAL DEPTH: 68 m

LICENCE/PROSPECT: SAFARI

12 hours

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835448	60-63		Agg	Gn Br	xtl/Cas	M							Strong Or staining + Hm alt'n
449	63-66		"	"	xtl	"							"
450	66-68		"	"	"	M-W							Pk Hm alt. only. EOH - ran out of rods

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PERCUSSION DRILL LOG

HOLE ID: RC99150 | DIP: -90 | GEOLOGIST: KSH | PAGE: 1
COLLAR NORTH: 9900 | AZIMUTH: 1 | DRILLER: STADCORE | OF:
COLLAR EAST: | COMMENCED: 20.4.95 | RIG TYPE: EDSON 2000
LICENCE/PROSPECT: SAFARI | RL: 500 | COMPLETED: 21.4.95 | TOTAL DEPTH: 32m

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
835451	0-3		Qtz, Lf	RdBr		S							2m Qtz over pisolites
452	3-6		Qs, Qc, Lf	Cr LBr		"							Pisolites major.
453	6-9		Qs, Lf	Cr		"							LCm, LBr Qs ; pisolites
454	9-12		Qs	"		"							LCm, LBr Qs; bright Q-clys
455	12-15		"	"		"							
456	15-18		Qs/Lc	Wh		"							Pallid clays
457	18-21		Lc	"		"							
458	21-24		"	LCmYe		"							Damp. Gritty clys ⇒ grvls?
459	24-27		Lc/Ls	LCm		"							
460	27-30		"	LCmYe		"							Stiff - U clay
461	30-32		Ls/Ag	YeCm		S-M							Prob Ag. EOH
													- losing air.

chip tray sample missed here somewhere

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PERCUSSION DRILL LOG

HOLE ID: R009051 | DIP: -90 | GEOLOGIST: KSH | PAGE: 1
COLLAR NORTH: 10100 | AZIMUTH: " | DRILLER: STADCOTE | OF:
COLLAR EAST: | COMMENCED: 20.4.95 | RIG TYPE: EDSON 2000
RL: | COMPLETED: 20.4.95 | TOTAL DEPTH: 53

LICENCE/PROSPECT: SAFARI

12 Hornsby

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
B35462	0-3		Qtz, Qf	Rd Br		S							weakly ferricreted Qtz
463	3-6		Qs, Lfp	Cr Rd Br		"							
464	6-9		Qs	Cr LGn		"							Bright Gn + Or-stained.
465	9-12		"	"		"							
466	12-15		Qs/Lc	"		"							
467	15-18		Qs/Qf/Lc	LGn/Br		"							Rd-stained Qs + ↑
468	18-21		"	"		"							
469	21-25		Ls	Ye		"							Ye clys → prob. superficial Fe staining
470	25-27		Ls/Lc	Ye LBr		"							↑ + LGn Lc clys.
471	27-30		Lc	LGn		"							LGn clys
472	30-33		Lc	"		"							"
473	33-36		"	"		"							"
474	36-39		Ls	Ye Gn		"							Gritty Gn Ye clys.
475	39-42		Ls/Ag	Gn	xtl	S-M							
476	42-45		Ls/Agg	Gn	shd	M							Strongly foliated granitoid.
477	45-48		Agg/Gns	"	xtl/gns	M							Granitoid gneiss felsic
478	48-51		"	"	"	"							Agg + f.g. LBr Mi Gns
479	51-53		"	"	"	"							Compressor shut down for 500 hr service. Hole wet on resumption.
													Sample taken [illegible]

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PERCUSSION DRILL LOG

HOLE ID: 0270379 | DIP: -90 | GEOLOGIST: CeD | PAGE: 1
COLLAR NORTH: 7624328 | AZIMUTH: – | DRILLER: STACCOTE | OF: 1
COLLAR EAST: 419512 | COMMENCED: 8-9-95 | RIG TYPE: EDSON 21L
RL: 500 | COMPLETED: 8-9-95 | TOTAL DEPTH: 30m
LICENCE/PROSPECT: ORIENTAL

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
932035	0-4		Qtz	RdBr		S							minor gravels as well
036	4-8		Qtz, Lc?	CrRdBr		S							gvrs+sands to 5m then qtz+clays
037	8-12		Qtz/Qtz?	RdBr		"							quartzose sands?
038	12-16		Qtz	BrCr		"							MA
039	16-20		Qtz, Qtz	"		"							contains some psolithy
040	20-24		Qtz, Ls	DCm		"							gravels then cap? ofte intrusive/gneiss??
041	24-28		Ls - Ag?	"	xtl	M-S							ex mica bearing intrusive
042	28-30		"	"	"	M-W							"
													EOH in hard rock - not really fresh but impenetrable
													Calc Co-ords. 419500e 7624307n

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PERCUSSION DRILL LOG

HOLE ID: R0270380 | DIP: -90 | GEOLOGIST: CAJ | PAGE: 1

COLLAR NORTH: 7624406 | AZIMUTH: - | DRILLER: STARLORE | OF: 1

COLLAR EAST: 419496 | COMMENCED: 8-9-95 | RIG TYPE: [illegible]

LICENCE/PROSPECT: ORIENTAL | RL: 500 | COMPLETED: 8-9-95 | TOTAL DEPTH: 40m

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
932043	0-4		Qtz	P Br		S							
044	4-8		Qtz, Qtz	Br Gr		"							sand to Sm then Creamy qtz+clays
045	8-12		Qtz	Br		"							milky intrusive
046	12-16		Qtz, Qtz, Qz	Gr		"							+ calcrete? or siltstone
047	16-18		Qtz	Gr Br		"							(lost return - rod trip) - No GOOD
048	18-22		Ls, Qtz	Dem	xH	"							Qtz intrusive
049	22-26		"	"		"							
050	26-30		"	Br Gr	"	"							
051	30-34		"	"	"	"							
052	34-38		"	"	"	"							slightly Sreather
053	38-40		"	"	"	M							hard Saprock EOH
													419500e
													7624407

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: R027038 1 | DIP: -90 | GEOLOGIST: CGD | PAGE: 1
COLLAR NORTH: 7624460 | AZIMUTH: - | DRILLER: STADCORE | OF: 1
COLLAR EAST: 419511 | COMMENCED: 8-9-95 | RIG TYPE: [illegible] 2K
RL: | COMPLETED: 8-9-95 | TOTAL DEPTH: 38
LICENCE/PROSPECT: ORIENTAL

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
932054	0-4		Qtz	Rd Br		S							sand
055	4-8		Qtz, Qtz/lg	Rd Br Cr		"							Sm sand fine quartz subs/clays
056	8-12		Qtz/lg	Br		"							brown gravelly sands
057	12-16		"	Br Cr		"							
058	16-20		Qtz, Ls	Amber		"							pisolithic in ground fine green clay (Prof)
059	20-24		Ls, Qtz	"	v fl	"							or intrusive
060	24-28		"	"	"	"							
061	28-32		"	"	"	"							
062	32-36		"	"	"	M							
063	36-38		"	"	"	"							EOH in red weathered sap
													off intrusive
													419500 e
													7624507 n

Aberfoyle Resources Limited

EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: R02702B2 | DIP: -90 | GEOLOGIST: CAD | PAGE: 1

COLLAR NORTH: 7624592 | AZIMUTH: — | DRILLER: STADCOTE | OF: 1

COLLAR EAST: 419469 | COMMENCED: 8-9-95 | RIG TYPE: EDson 21C

LICENCE/PROSPECT: ORIENTAL | RL: | COMPLETED: 8-9-95 | TOTAL DEPTH: 45m

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
932064	0-4		Qtz	PBBr		S							sand only
065	4-8		Qtz, Qtz/s	PBrCr		S							aeolian sand to 5m then Quartz sds
066	8-12		Qtz/s/c	BrCr		"							colcrete + pis brangravels
067	12-16		Qtz/s/c	"		"							
068	16-20		Qtz/Ls	BrCr		"							contact at ~17m
069	20-24		Ls - Ag	Cm	xtl	"							v weather intrusive
070	24-28		"	"	"	"							+ qtz
071	28-32		"	"	"	"							"
072	32-36		"	"	"	"							"
073	36-40		Ls, Amp?	"	mas	M							River gravel (amp?)
074	40-44		"	"	"	"							m. grained
075	44-45		Ls, Ag	DCm	xtl	W							fairly high felsic - intermediate
													intrusive. qtz, plag, biotite?
													EOH
													419500E
													7624607

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: R027038S | DIP: -90 | GEOLOGIST: CGD | PAGE: 1

COLLAR NORTH: 7624700 | AZIMUTH: - | DRILLER: STADCORE | OF: 1

COLLAR EAST: 419492 | COMMENCED: 8-9-95 | RIG TYPE: Edson 2K

RL: 500 | COMPLETED: 8-9-95 | TOTAL DEPTH: 42

LICENCE/PROSPECT: ORIENTAL

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
932076	0-4		Qtz	Red Brn		S							Sands (aeolian)
077	4-8		Qtz/Qtzlstc	Pale Colr		S							Sand to Sm Hem Quartz pis bearing gravels.
078	8-12		Qtz/g	Cr		"							silicified clays + gravels (qtz rich)
079	12-16		Qtz/g ?	Brn/Wht		"							homogenised clays - may be prot ??
080	16-20		Ls - Ag	Cr Colr		"							creamy light green + green clays
081	20-24		"	Cr	xtl	"							as intrusive
082	24-28		"	"	"	"							
083	28-32		"	"	"	"							
084	32-36		"	"	"	"							
085	36-40		Ls - Ag/Sch	"	xtl/Sch	"							minor schist + intrusive?
086	40-42		Ls - Ag	"	xtl	"							hard - EOH
													419500e
													7624707

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: RB27038A | DIP: -90 | GEOLOGIST: CGD | PAGE: 1
COLLAR NORTH: 7624838 | AZIMUTH: - | DRILLER: STRADSTEL | OF: 1
COLLAR EAST: 419492 | COMMENCED: 8-9-95 | RIG TYPE: Edson 2K
LICENCE/PROSPECT: ORIENTAL | RL: | COMPLETED: 8-9-95 | TOTAL DEPTH: 38m

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
932087	0-4		Qtz	PgBr		S							aeolian sand to 4m
088	4-8		Qtz	Br		"							pisolith gravels
089	8-12		Qtz/g	wh Cr		"							silicified clays + qtz gravel
090	12-16		"	wh Brn		"							3m white clays the brown/green bedded clay
091	16-20		Ls - Ag	Cr		"							dark green Brn (contact?)
092	20-24		"	"	xtl	"							+ qtz
093	24-28		"	"	"	"							"
094	28-32		"	"	"	"							
095	32-36		"	"	"	"							
096	36-38		"	"	"	W-M							bound EOH
													419500e
													7624807

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: R027038S | DIP: -90 | GEOLOGIST: C&D | PAGE: 1
COLLAR NORTH: 7624942 | AZIMUTH: - | DRILLER: STARCORE | OF: 1
COLLAR EAST: 419503 | COMMENCED: 8-9-95 | RIG TYPE: GEMSON 21L
RL: | COMPLETED: 8-9-95 | TOTAL DEPTH: 48

LICENCE/PROSPECT: ORIENTAL

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
932097	0-4		Qtz	RBr		S							4m aeolian sand
098	4-8		Qtz/c	CrBr		"							psolith grounds + clays
099	8-12		"	"		"							silic clays + Fe oxgrounds - qtz + calcrete?
932100	12-16		Qtz/g, Ls	CrBrCm		"							suspect contact at 13m
101	16-20		Ls	BrCm		"							
102	20-24		"	"	sch	"							schistose texture (nonrecos)
103	24-28		"	"	"	"							
104	28-32		Ls-Amp	CmBr		W-M							amphibolite c. grained.
105	32-36		Ls-Amp/Sch	CmBr	sch	"							mixed sch/amp - + acic mineral (asbestos?)
106	36-40		"	"	"	S-M							back into amp at 39m
107	40-44		Ls-Amp	Cm		"							
108	44-48		Ls-Amp-Agg	CmBr	xtl,	F-S							mixed amp (EOH) + Agg or
													Felsic sed/chert + qtz.
													EOH in v. hard amp.
													419500E
													7624907

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: R027038G | DIP: -90 | GEOLOGIST: CGD | PAGE: 1

COLLAR NORTH: 7624981?? | AZIMUTH: — | DRILLER: STANDCORE | OF: 1

COLLAR EAST: 419507 | COMMENCED: 8-9-95 | RIG TYPE: EDSON 2K

RL: | COMPLETED: 8-9-95 | TOTAL DEPTH: 51

LICENCE/PROSPECT: ORIENTAL

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
932109	0-4		Qtz	PpBr		S							wind sand 64m
110	4-8		Qtz/lg	Br		"							silic Quart sands + gravels
111	8-12		Qz, Ls??	WhtBr		"							silicrete + clays after sch??
112	12-16		Ls/sch	WhtBr	sch	"							silic or sch. block chips (unknown)
113	16-20		"	"	"	"							
114	20-24		"	WhtGn	"	"							+ bcgs qtz
115	24-28		"	WhtGn	"	"							
116	28-32		"	KhBr	"	"							
117	32-36		"	"	"	"							
118	36-40		Ls-sch/Sq	Gn	"	S-M							+ pink 'quartzitey' chips
119	40-44		Ls-sch	"	"	M							
120	44-48		"	"	"	W-M							fresh sch/st EOH
121	48-51		sch	"	"	W							
													419500E
													7625007

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

NOT SURVEYED

HOLE ID: RO27O387 | DIP: -90 | GEOLOGIST: CAD | PAGE: 1

COLLAR NORTH: 7625115 | AZIMUTH: — | DRILLER: STARCORE | OF: 1

COLLAR EAST: 419502 | COMMENCED: 8-9-95 | RIG TYPE: Edson 2K

LICENCE/PROSPECT: ORIENTAL | RL: 500 | COMPLETED: 8-9-95 | TOTAL DEPTH: 39m

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
932122	0-4		Qtz	Pl Br		S							aeolian sand
123	4-8		LSP, Lc	Br LGn		"							pisolith gravels then polkd clongs (in gravels)
124	8-12		Ls, sch	Colm Br	sch	"							schist.
125	12-16		"	"	"	"							+ psammitic schists
126	16-20		"	Br	"	M-S							
127	20-24		"	Br Gn	"	"							
128	24-28		"	"	"	"							'sandy' schist
129	28-32		"	"	"	M							+ qtz - mica schist again
130	32-36		"	Dk Br	"	W							+ qtz
131	36-39		"	"	"	"							+ hard qtz EOH
													419500E
													7625107

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: R027038 | DIP: -90 | GEOLOGIST: CGD | PAGE: 1

COLLAR NORTH: 7625231 | AZIMUTH: – | DRILLER: STRADCOTE | OF: 1

COLLAR EAST: 419499 | COMMENCED: 8-9-95 | RIG TYPE: EDSON 21C

LICENCE/PROSPECT: ORIENTAL | RL: 500 | COMPLETED: 8-9-95 | TOTAL DEPTH: 22m

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
932132	0-4		Qtz	R/Br									aeolian sands to 4m
133	4-8		LSp, Lc Qtz	Br/wh		S							1m pisolithic gravel - 2clay - 1v.hard Qtz
134	8-12		Qtz, Lc-SCH	wh/Cr	Sch	S?							silicified schist
135	12-16		"	Cr/Gn	"	"							soft at 15m
136	16-20		Lc-SCH, Agg	Cr/wh	Sch/xtl	F-S							Agg - qtz + plag from 19m Bmgk
137	20-22		Agg	"	xtl	F							qtz + plag ± kBs granite.
													EOH - v. hard.
													419500
													7625207

Harmeron 19m *

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

CBS plunging up ??

HOLE ID: R027038 9 | DIP: -90 | GEOLOGIST: CBD

COLLAR NORTH: 7625296 ?? | AZIMUTH: — | DRILLER: STADCORE

COLLAR EAST: 419515 ? | COMMENCED: 8-9-95 | RIG TYPE: Edson 2K

RL: 80 | COMPLETED: 8-9-95 | TOTAL DEPTH: 7m

PAGE: 1 OF 1

LICENCE/PROSPECT: ORIENTAL

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	Hammer Hole COMMENTS
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	
932138	0-4		Qtz, LSp	RBr		S							Sand to 35m then pis gravels
139	4-7		Agg	Pkish	xH	F							EOH
													419500E
													7625307

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

HOLE ID: R0300405 | DIP: -90 | GEOLOGIST: CWD

COLLAR NORTH: 7620584 | AZIMUTH: — | DRILLER: STADCOTE

COLLAR EAST: 419405 | COMMENCED: 10-9-95 | RIG TYPE: EDSON 2K

RL: 500 | COMPLETED: 10-9-95 | TOTAL DEPTH: 20m

PAGE 1 OF 1

LICENCE/PROSPECT: WEST THEBY

HAMMER ON 10

Sample No.	Depth	LITHOLOGY					ALTERATION			MINERALISATION		GEOPHY.	EASTERN END OF LINE
		Stratigraphy	Rock Type	Colour	Texture	Weath.	Intensity	Texture	Mineralogy	Texture	Mineralogy and Contents	Mag.Susc.	COMMENTS HAMMER HOLE
N/S	0-4		Qts	RdBr		S							just fine sand
932 277	4-8		Qt, Qtg, Qs, Ls	RdBrCrCm		"							2m sand, 1 gravel, 1 silicified clays
278	8-12		Qs, Ls. Ag	BrGy	xll	S-M							gravel under silcrete -qtz+ feldspar + alt Fe phase
279	12-16		Qs-Ls. Ag	"	"	"							+ kfs cg crystals (peg vein?)
932280	16-20		Agg	Gy	"	F							qtz+plg+kfs+bio granite

APPENDIX 6

GEOCHEMICAL ASSAYS
RAB PROGRAMME

Job: 5AD1971
O/N:

ANALYTICAL REPORT

SAMPLE	Cu	Pb	Zn	As	Fe	Mn	Bi
835092	9	25	14	6	1.81%	100	<5
835094	8	15	11	8	3.74%	115	<5
835176	13	40	53	8	4.43%	240	<5
835178	5	15	14	8	1.82%	75	<5
835179	5	20	29	<3	2.05%	95	<5
835183	16	20	100	<3	7.01%	220	<5
835185	17	25	135	<3	5.03%	360	<5
835187	18	25	115	6	5.67%	560	<5
835189	14	25	76	6	4.31%	440	<5
835190	18	30	97	6	5.45%	640	<5
835191	17	30	90	4	5.00%	720	<5
835192	13	15	29	8	3.18%	200	<5
835199	13	35	27	4	2.65%	165	<5
835201	25	30	115	<3	5.49%	380	<5
835203	20	30	130	8	5.86%	600	<5
835205	16	25	94	8	5.01%	500	<5
835206	17	25	120	8	5.56%	660	<5
835226	16	15	28	4	2.40%	100	<5
835227	23	20	37	4	4.60%	165	<5
835229	57	15	45	6	4.76%	195	<5
835230	92	15	67	8	5.11%	300	<5
835231	105	10	80	4	4.37%	340	<5
835233	54	10	83	6	4.47%	480	<5
835235	17	15	57	4	3.84%	300	<5
835236	12	10	17	<3	2.39%	125	<5
835246	25	15	44	4	2.22%	150	<5
835248	52	15	59	<3	3.64%	300	<5
835250	59	15	66	4	3.77%	280	<5
835252	52	10	95	8	4.47%	320	<5
835253	42	15	100	6	3.92%	360	<5
835254	33	15	100	4	4.15%	420	<5
835256	15	10	24	8	4.76%	240	<5
835260	6	15	35	<3	4200	30	<5
835261	8	15	7	<3	6600	50	<5
835262	12	15	21	6	2.47%	150	<5
835268	15	15	74	4	5.06%	130	<5
835270	20	15	76	8	6.61%	240	<5
835272	19	15	100	6	5.43%	340	<5
835274	17	15	91	4	5.61%	780	<5
835276	21	10	78	6	5.60%	540	<5
835278	24	10	68	8	5.01%	540	<5
835279	19	10	61	6	4.76%	720	<5
835280	31	5	67	10	5.40%	540	<5
835282	15	15	22	6	3.93%	420	<5
835287	28	35	84	14	7.43%	240	<5
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	2	5	2	3	100	5	5
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

Job: 5AD1971
O/N:

ANALYTICAL REPORT

SAMPLE	Cu	Pb	Zn	As	Fe	Mn	Bi
835289	20	20	105	6	6.51%	240	<5
835291	21	15	175	8	5.40%	580	<5
835292	22	15	145	6	5.96%	620	<5
835293	17	25	105	6	5.17%	580	<5
835296	8	10	9	6	2.54%	130	<5
835299	5	5	26	6	2.65%	65	<5
835301	4	10	70	8	6.07%	100	<5
835303	4	<5	155	10	7.22%	130	<5
835305	4	<5	100	4	4.56%	180	<5
835307	4	<5	74	4	4.97%	880	<5
835309	6	5	50	4	4.46%	240	<5
835311	4	5	57	4	5.19%	380	<5
835313	4	10	59	6	4.88%	300	<5
835314	3	10	57	6	5.03%	300	<5
835315	3	10	54	4	4.94%	260	<5
835317	10	10	23	12	3.99%	240	<5
835321	4	15	14	6	7500	45	<5
835322	6	15	13	6	8400	55	<5
835323	12	15	20	8	2.59%	185	<5
835325	5	10	7	6	2.70%	70	<5
835326	3	5	8	4	1.19%	30	<5
835329	5	10	5	<3	5600	60	<5
835330	4	<5	<2	<3	5200	50	<5
835331	9	10	10	6	1.78%	80	<5
835342	8	30	29	4	1.20%	70	<5
835344	9	25	63	8	3.00%	195	<5
835346	9	20	60	4	2.23%	160	<5
835348	8	15	49	4	2.52%	220	<5
835349	13	15	34	4	1.87%	300	<5
835350	10	15	32	4	1.72%	175	<5
835351	11	10	11	6	2.18%	140	<5
835353	7	10	5	4	2.47%	620	5
835359	5	20	15	<3	8300	55	<5
835361	17	25	55	<3	2.46%	140	5
835363	17	20	89	4	2.83%	195	<5
835365	14	20	57	4	2.58%	320	<5
835367	10	20	50	<3	2.46%	260	5
835368	13	20	51	<3	2.24%	260	<5
835371	6	10	4	4	2.60%	110	<5
835378	8	10	24	6	2.97%	70	5
835380	6	35	41	4	3.32%	100	<5
835382	6	15	78	<3	2.82%	105	<5
835384	6	10	48	6	2.49%	220	5
835385	13	15	80	4	1.94%	125	<5
835386	9	10	47	8	2.92%	185	<5
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	2	5	2	3	100	5	5
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

Job: 5AD1971
O/N:

ANALYTICAL REPORT

SAMPLE	Cu	Pb	Zn	As	Fe	Mn	Bi
835387	9	20	12	10	6.84%	120	5
835391	5	10	4	6	8100	40	<5
835394	5	25	20	10	8000	55	<5
835396	30	20	50	8	3.17%	125	<5
835398	21	20	140	4	2.87%	240	5
835400	21	30	72	12	3.02%	280	<5
835401	10	20	54	4	2.76%	260	<5
835402	19	20	54	6	2.48%	220	<5
835404	13	10	25	4	3.15%	360	<5
835410	2	15	26	8	2.01%	65	<5
835412	3	20	28	4	2.07%	100	<5
835414	3	20	31	6	2.32%	120	<5
835415	3	20	36	<3	2.02%	105	<5
835417	12	15	21	<3	3.75%	280	<5
835423	4	5	38	10	2.59%	65	<5
835425	5	10	63	4	3.49%	85	<5
835426	5	10	52	4	2.89%	70	<5
835427	4	15	35	<3	2.46%	80	<5
835429	10	10	24	6	3.63%	115	<5
835430	8	5	8	4	2.69%	80	<5
835431	5	5	3	12	1.75%	60	5
835435	5	20	12	<3	1.49%	40	<5
835437	5	10	55	4	2.54%	95	<5
835438	5	10	63	<3	2.78%	105	<5
835440	5	10	57	6	2.60%	135	<5
835442	4	10	46	<3	2.76%	155	<5
835444	4	10	49	<3	3.30%	320	<5
835446	5	10	68	<3	4.41%	360	<5
835448	6	5	67	6	5.12%	420	<5
835449	6	10	61	<3	4.62%	420	<5
835450	6	10	59	10	4.22%	320	<5
835451	12	15	22	8	3.37%	220	<5
835453	7	10	9	14	4.11%	125	<5
835459	6	25	7	8	8600	50	<5
835460	9	25	14	6	1.09%	50	<5
835461	17	20	31	10	1.91%	50	<5
835463	11	15	19	10	5.87%	220	5
835465	4	<5	6	12	3.53%	40	<5
835468	5	15	5	16	4.31%	35	<5
835470	23	25	23	50	15.2%	55	5
835474	7	20	28	6	1.35%	70	<5
835476	8	25	57	<3	3.10%	300	<5
835478	7	20	34	12	2.92%	280	<5
835479	4	20	29	10	2.92%	320	<5
835481	13	10	25	8	4.98%	260	<5
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	2	5	2	3	100	5	5
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

amdel

Job: 5AD3670
O/N: G 13060

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dpl
932031	<0.1	--
932032	<0.1	--
932033	0.4	0.5
932034	0.1	--
932035	0.3	--
932036	0.2	--
932037	0.5	--
932038	0.4	--
932039	0.2	--
*Std AMD1_5G	3.8	--
932040	0.6	--
932041	0.8	--
932042	<0.1	--
932043	0.6	--
932044	0.9	--
932045	0.6	--
932046	0.1	--
932047	0.2	--
932048	0.6	--
932049	0.2	0.1
*Blk BLANK	0.1	--
932050	0.5	--
932051	0.4	--
932052	0.4	--
932053	0.7	--
932054	0.6	--
*Std AMD1_10G	11	--
932055	0.6	--
*Rep 932033	0.5	--
*Rep 932049	0.1	--
*Std AMD1_5G	5.1	--
*Blk BLANK	<0.1	--
932056	<0.1	--
932057	0.2	--
932058	<0.1	--
932059	<0.1	--
932060	<0.1	--
932061	0.4	--
932062	<0.1	--
932063	<0.1	--
932064	0.5	--
932065	0.3	--
932066	<0.1	--
932067	0.2	--
932068	0.1	--
UNITS	ppb	ppb
DET.LIM	0.1	0.1
SCHEME	FA3M	FA3M

amdel

Job: 5AD3670
O/N: G 13060

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dpl
932069	0.2	--
932070	0.3	--
932071	<0.1	--
932072	0.4	--
932073	<0.1	<0.1
932074	<0.1	--
*Std AMD1_5G	5.3	--
932075	0.4	--
932076	0.3	--
932077	0.6	--
932078	0.6	0.6
932079	0.3	--
932080	0.8	--
*Rep 932073	<0.1	--
*Rep 932078	0.6	--
932081	0.1	--
932082	<0.1	--
932083	0.1	<0.1
932084	0.2	--
932085	<0.1	--
932086	<0.1	--
932087	<0.1	--
*Std AMD1_10G	11	--
932088	0.2	--
932089	0.2	--
932090	0.1	--
932091	<0.1	<0.1
*Blk BLANK	<0.1	--
932092	<0.1	--
932093	<0.1	--
932094	<0.1	--
*Std AMD1_10G	13	--
932095	<0.1	--
932096	0.2	--
932097	<0.1	--
932098	0.3	--
932099	0.4	--
932100	0.1	--
932101	<0.1	--
932102	<0.1	--
932103	0.2	--
932104	<0.1	--
932105	0.3	--
*Rep 932083	<0.1	--
*Rep 932091	<0.1	--
UNITS	ppb	ppb
DET.LIM	0.1	0.1
SCHEME	FA3M	FA3M

amdel

Job: 5AD3670
O/N: G 13060

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dpl
932106	0.4	0.4
932107	0.4	0.3
932108	0.4	--
932109	0.6	--
932110	0.4	--
932111	0.5	--
932112	0.5	--
932113	0.4	--
932114	0.4	--
932115	0.2	--
*Std AMD1_5G	5.0	--
932116	0.2	--
932117	0.3	--
*Blk BLANK	0.1	--
932118	0.3	--
932119	0.4	--
932120	<0.1	--
*Std AMD1_10G	11	--
932121	0.2	--
932122	0.2	--
932123	0.2	--
932124	0.4	--
932125	<0.1	--
932126	<0.1	--
932127	0.1	--
932128	<0.1	--
932129	0.2	--
932130	<0.1	--
*Rep 932106	0.4	--
*Rep 932107	0.3	--
*Std AMD1_10G	12	--
*Blk BLANK	<0.1	--
932131	0.6	0.3
932132	0.5	--
932133	0.1	--
932134	0.2	--
*Std AMD1_5G	4.6	--
932135	0.4	--
*Rep 932131	0.3	--
UNITS	ppb	ppb
DET.LIM	0.1	0.1
SCHEME	FA3M	FA3M

amdel

Job: 5AD3670
O/N: G 13060

Final

ANALYTICAL REPORT

SAMPLE	Cu	Pb	Zn	Fe	Ni	Mn	As
932031	18	55	97	3.35%	25	140	8
932032	66	80	220	7.32%	66	2700	6
932033	69	20	140	7.23%	77	2000	6
932034	22	25	72	3.10%	17	460	6
932035	12	10	17	2.04%	12	105	4
932036	15	15	25	3.15%	18	320	8
932037	14	10	30	3.61%	12	300	4
932038	15	10	34	2.88%	10	280	4
932039	14	10	27	3.70%	9	540	6
932040	22	20	84	4.97%	8	840	10
932041	25	20	89	4.91%	10	660	4
932042	22	20	83	4.58%	10	740	6
932043	12	5	18	2.15%	11	105	6
932044	17	10	28	3.64%	19	340	4
932045	20	5	36	3.10%	14	280	6
932046	14	10	32	3.85%	9	380	8
932047	18	5	31	4.24%	8	320	10
932048	37	20	140	4.09%	11	300	6
932049	27	15	155	4.00%	17	320	8
932050	18	15	105	4.00%	14	420	6
932051	22	15	83	4.26%	11	480	4
932052	17	10	77	4.08%	9	420	8
932053	13	10	68	4.85%	8	540	14
932054	12	10	17	2.32%	12	105	4
932055	16	15	27	3.29%	17	240	10
932056	13	10	32	2.79%	12	360	4
932057	14	10	35	4.85%	14	360	8
932058	21	15	62	6.19%	11	240	8
932059	39	20	220	3.67%	23	340	12
932060	25	30	115	4.39%	18	580	12
932061	24	25	105	4.45%	12	680	8
932062	26	20	99	4.43%	10	560	6
932063	27	20	94	4.72%	9	620	8
932064	12	10	17	2.40%	12	115	6
932065	18	15	25	3.89%	19	360	8
932066	11	10	25	3.08%	8	240	4
932067	10	10	22	2.30%	6	170	<3
932068	22	15	78	5.87%	12	280	6
932069	20	20	105	4.88%	13	420	4
932070	26	20	105	5.20%	19	440	6
932071	27	15	110	4.99%	20	360	6
932072	27	20	115	4.93%	14	480	4
932073	24	15	83	4.89%	15	600	10
932074	22	10	66	5.16%	14	420	10
932075	18	10	60	4.95%	12	420	6
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	2	5	2	100	2	5	3
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

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Job: 5AD3670
O/N: G 13060

Final

ANALYTICAL REPORT

SAMPLE	Cu	Pb	Zn	Fe	Ni	Mn	As
932076	14	10	17	2.20%	11	125	6
932077	19	10	31	3.44%	17	420	8
932078	11	10	26	2.45%	13	170	6
932079	14	5	35	7.50%	9	165	6
932080	16	60	95	5.43%	11	260	6
932081	21	25	96	4.29%	10	320	8
932082	25	20	87	4.07%	10	400	6
932083	26	20	94	5.07%	8	580	6
932084	21	15	81	5.08%	9	480	6
932085	18	5	73	3.74%	10	780	6
932086	18	10	56	3.24%	10	380	6
932087	10	10	13	1.94%	10	100	<3
932088	20	15	27	3.82%	17	540	8
932089	10	10	24	1.87%	9	190	4
932090	17	15	22	2.15%	3	75	4
932091	35	15	64	6.10%	11	195	<3
932092	62	30	115	6.89%	18	300	8
932093	41	25	98	5.10%	11	400	6
932094	22	15	84	4.71%	8	560	6
932095	41	20	87	5.30%	8	1000	8
932096	50	35	85	5.11%	10	640	4
932097	12	5	11	1.61%	8	75	6
932098	16	10	21	3.03%	15	360	4
932099	15	5	24	2.16%	9	190	<3
932100	83	25	150	7.85%	62	280	10
932101	97	30	260	9.17%	91	500	8
932102	105	5	320	9.43%	88	220	8
932103	105	5	175	8.41%	56	400	<3
932104	140	10	170	10.4%	64	1500	6
932105	260	120	480	12.1%	73	1200	22
932106	67	20	120	8.09%	57	840	<3
932107	105	<5	100	10.0%	44	1100	4
932108	92	<5	115	11.4%	38	1400	<3
932109	27	10	20	1.53%	8	55	<3
932110	21	10	23	3.27%	16	320	6
932111	18	10	19	2.36%	10	135	<3
932112	8	5	17	2.20%	7	45	<3
932113	18	10	46	3.49%	20	115	6
932114	8	10	38	3.00%	16	110	6
932115	33	10	52	2.83%	25	105	6
932116	12	5	39	1.90%	15	55	<3
932117	16	10	90	4.46%	41	150	10
932118	49	5	53	3.35%	25	180	6
932119	27	<5	67	4.42%	38	240	4
932120	41	<5	56	3.72%	29	180	<3
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	2	5	2	100	2	5	3
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

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Job: 5AD3670
O/N: G 13060

Final

ANALYTICAL REPORT

SAMPLE	Cu	Pb	Zn	Fe	Ni	Mn	As
932121	9	10	48	3.33%	47	155	8
932122	8	10	13	1.43%	9	60	<3
932123	16	15	26	3.51%	16	420	6
932124	6	20	32	2.91%	16	110	6
932125	19	25	50	3.38%	22	95	6
932126	29	20	46	3.14%	18	125	6
932127	35	20	60	4.52%	24	220	8
932128	24	15	49	3.10%	19	105	8
932129	53	10	94	5.04%	69	300	6
932130	9	5	180	7.21%	240	920	14
932131	6	10	46	3.13%	28	200	8
932132	6	5	12	1.36%	8	55	6
932133	10	15	18	2.34%	10	300	4
932134	4	<5	7	8400	4	60	10
932135	7	5	14	9000	4	115	6
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	2	5	2	100	2	5	3
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

amdel

Job: 5AD3670
O/N: G 13060

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dpl	Bi
932031	<0.1	--	<5
932032	<0.1	--	<5
932033	0.4	0.5	<5
932034	0.1	--	<5
932035	0.3	--	<5
932036	0.2	--	<5
932037	0.5	--	<5
932038	0.4	--	<5
932039	0.2	--	<5
932040	0.6	--	<5
932041	0.8	--	<5
932042	<0.1	--	<5
932043	0.6	--	<5
932044	0.9	--	<5
932045	0.6	--	<5
932046	0.1	--	<5
932047	0.2	--	<5
932048	0.6	--	<5
932049	0.2	0.1	<5
932050	0.5	--	<5
932051	0.4	--	<5
932052	0.4	--	<5
932053	0.7	--	<5
932054	0.6	--	<5
932055	0.6	--	<5
932056	<0.1	--	<5
932057	0.2	--	<5
932058	<0.1	--	<5
932059	<0.1	--	<5
932060	<0.1	--	<5
932061	0.4	--	<5
932062	<0.1	--	<5
932063	<0.1	--	<5
932064	0.5	--	<5
932065	0.3	--	<5
932066	<0.1	--	<5
932067	0.2	--	<5
932068	0.1	--	<5
932069	0.2	--	<5
932070	0.3	--	<5
932071	<0.1	--	<5
932072	0.4	--	<5
932073	<0.1	<0.1	<5
932074	<0.1	--	<5
932075	0.4	--	<5
UNITS	ppb	ppb	ppm
DET.LIM	0.1	0.1	5
SCHEME	FA3M	FA3M	IC3E

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Job: 5AD3670
O/N: G 13060

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dpl	Bi
932076	0.3	--	<5
932077	0.6	--	<5
932078	0.6	0.6	<5
932079	0.3	--	<5
932080	0.8	--	<5
932081	0.1	--	<5
932082	<0.1	--	<5
932083	0.1	<0.1	<5
932084	0.2	--	<5
932085	<0.1	--	<5
932086	<0.1	--	5
932087	<0.1	--	<5
932088	0.2	--	<5
932089	0.2	--	<5
932090	0.1	--	<5
932091	<0.1	<0.1	<5
932092	<0.1	--	<5
932093	<0.1	--	5
932094	<0.1	--	<5
932095	<0.1	--	10
932096	0.2	--	10
932097	<0.1	--	<5
932098	0.3	--	<5
932099	0.4	--	<5
932100	0.1	--	5
932101	<0.1	--	5
932102	<0.1	--	5
932103	0.2	--	5
932104	<0.1	--	5
932105	0.3	--	5
932106	0.4	0.4	5
932107	0.4	0.3	5
932108	0.4	--	10
932109	0.6	--	<5
932110	0.4	--	<5
932111	0.5	--	<5
932112	0.5	--	<5
932113	0.4	--	<5
932114	0.4	--	<5
932115	0.2	--	<5
932116	0.2	--	<5
932117	0.3	--	<5
932118	0.3	--	<5
932119	0.4	--	<5
932120	<0.1	--	<5
UNITS	ppb	ppb	ppm
DET.LIM	0.1	0.1	5
SCHEME	FA3M	FA3M	IC3E

amdel

Job: 5AD3670
O/N: G 13060

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dpl	Bi
932121	0.2	--	<5
932122	0.2	--	<5
932123	0.2	--	<5
932124	0.4	--	<5
932125	<0.1	--	<5
932126	<0.1	--	<5
932127	0.1	--	<5
932128	<0.1	--	<5
932129	0.2	--	5
932130	<0.1	--	5
932131	0.6	0.3	<5
932132	0.5	--	<5
932133	0.1	--	<5
932134	0.2	--	<5
932135	0.4	--	<5

UNITS	ppb	ppb	ppm
DET.LIM	0.1	0.1	5
SCHEME	FA3M	FA3M	IC3E

amdel

Job: 5AD3709
O/N: G13061

minary

ANALYTICAL REPORT

SAMPLE	Au	Au Dpl
932277	0.8	--
932278	1.3	--
932279	0.4	--
932280	0.5	--
UNITS	ppb	ppb
DET.LIM	0.1	0.1
SCHEME	FA3M	FA3M

amdel

Job: 5AD3709
O/N: G13061

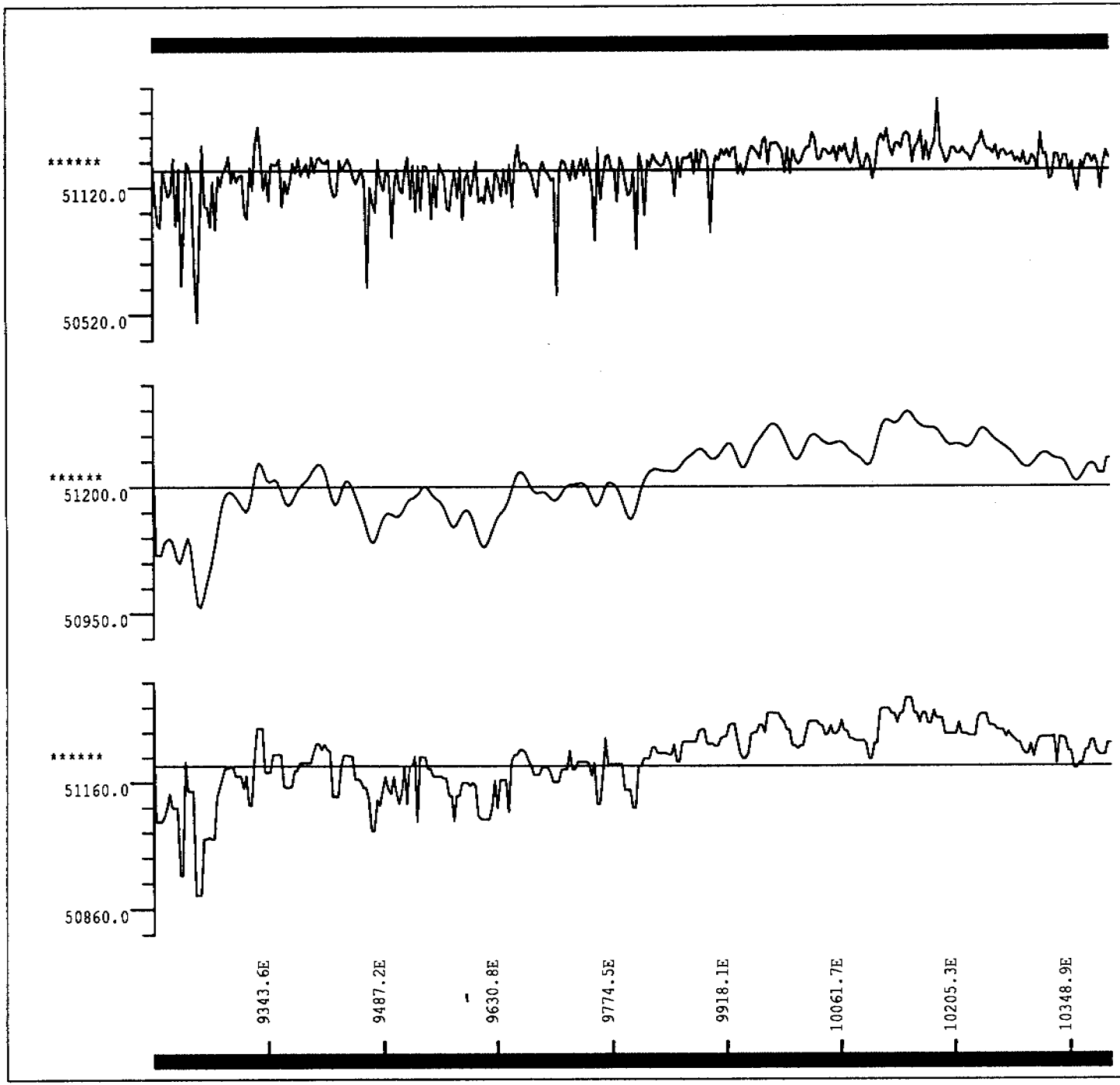
liminary

ANALYTICAL REPORT

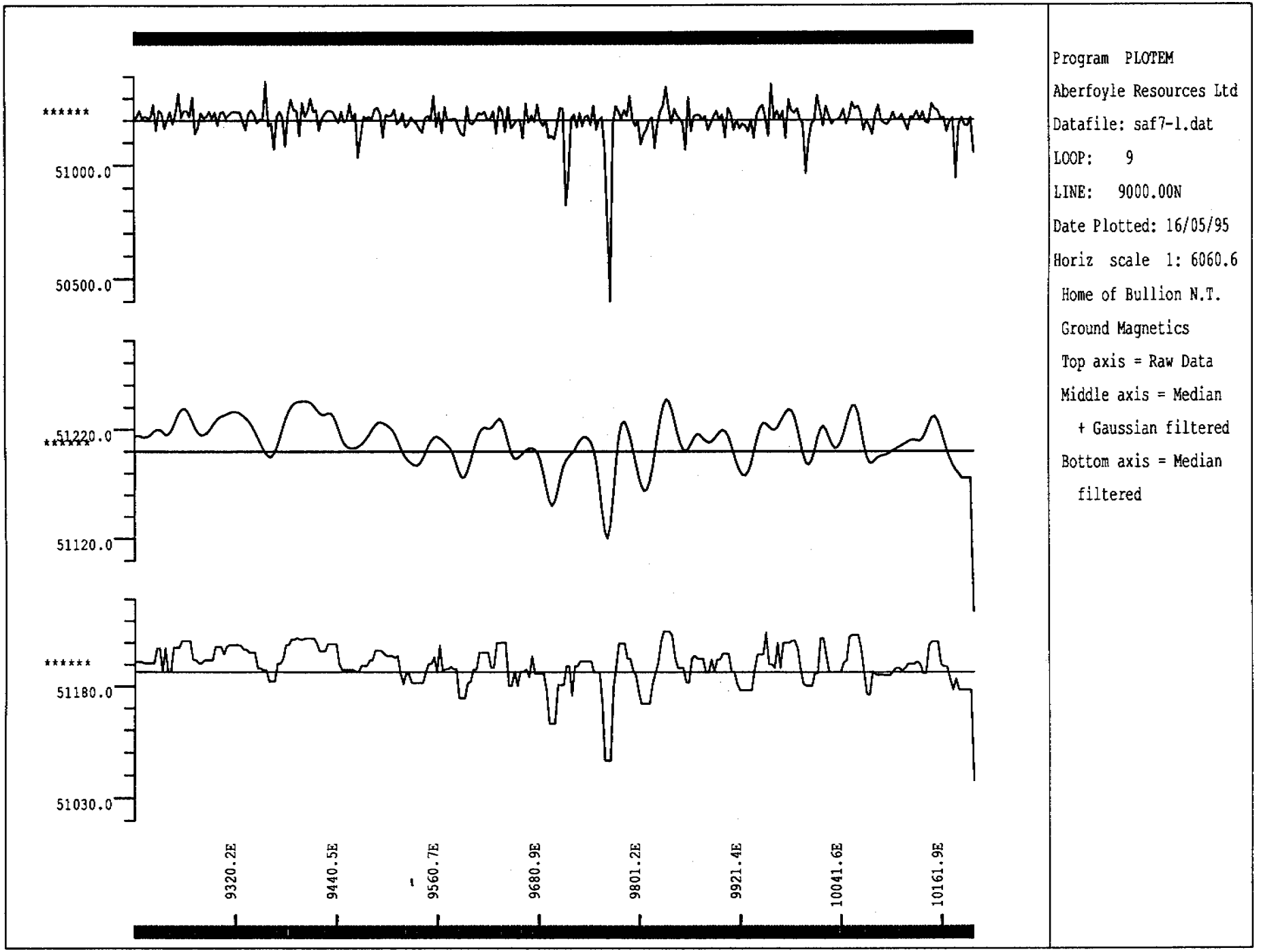
SAMPLE	Cu	Pb	Zn	Fe	Mn	Ni	As
932277	16	10	27	4.45%	240	21	12
932278	10	10	55	3.87%	500	13	8
932279	6	10	65	4.82%	920	13	14
932280	7	10	70	4.60%	500	10	4
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	2	5	2	100	5	2	3
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

APPENDIX 7

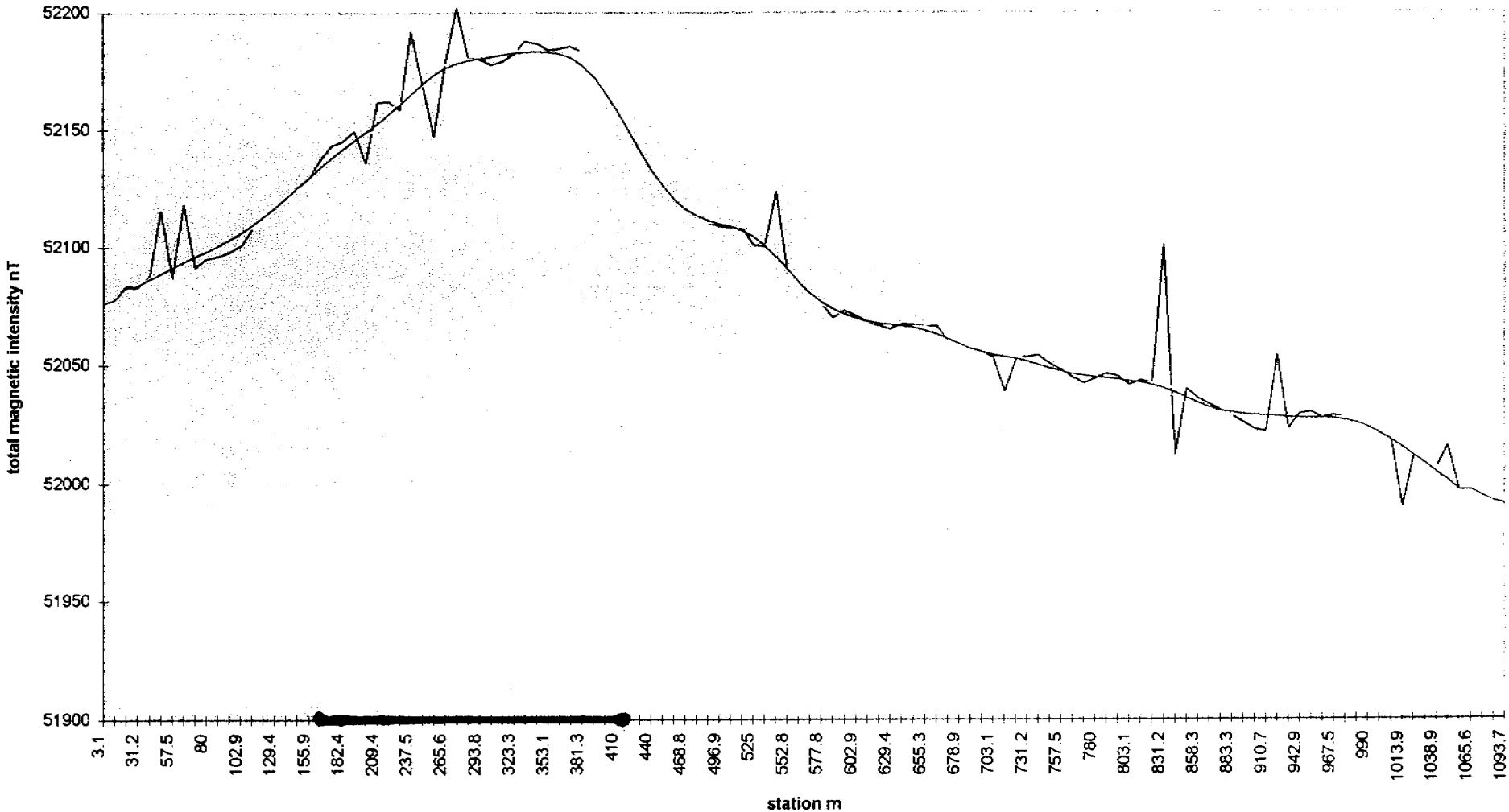
GEOPHYSICS
GROUND MAGNETICS



Program PLOTEM
Aberfoyle Resources Ltd
Datafile: saf7-1.dat
LOOP: 8
LINE: 8000.00N
Date Plotted: 16/05/95
Horiz scale 1: 7272.7
Home of Bullion N.T.
Ground Magnetics
Top axis = Raw Data
Middle axis = Median
+ Gaussian filtered
Bottom axis = Median
filtered


******
51000.0
50500.0
51220.0
******
51120.0
******
51180.0
51030.0
9320.2E
9440.5E
9560.7E
9680.9E
9801.2E
9921.4E
10041.6E
10161.9E
Program PLOTEM
Aberfoyle Resources Ltd
Datafile: saf7-1.dat
LOOP: 9
LINE: 9000.00N
Date Plotted: 16/05/95
Horiz scale 1: 6060.6
Home of Bullion N.T.
Ground Magnetics
Top axis = Raw Data
Middle axis = Median
+ Gaussian filtered
Bottom axis = Median
filtered

Home of Bullion Line 10 Ground Magnetics



400000E 405000E 410000E 415000E 420000E 425000E 430000E

7635000N

7630000N

7625000N

7620000N

7615000N

N

EL 8209

CR95/774

SCALE 1:50000

metres 1000 0 1000 2000 3000 4000 metres

Aberfoyle Resources Limited
EXPLORATION DIVISION

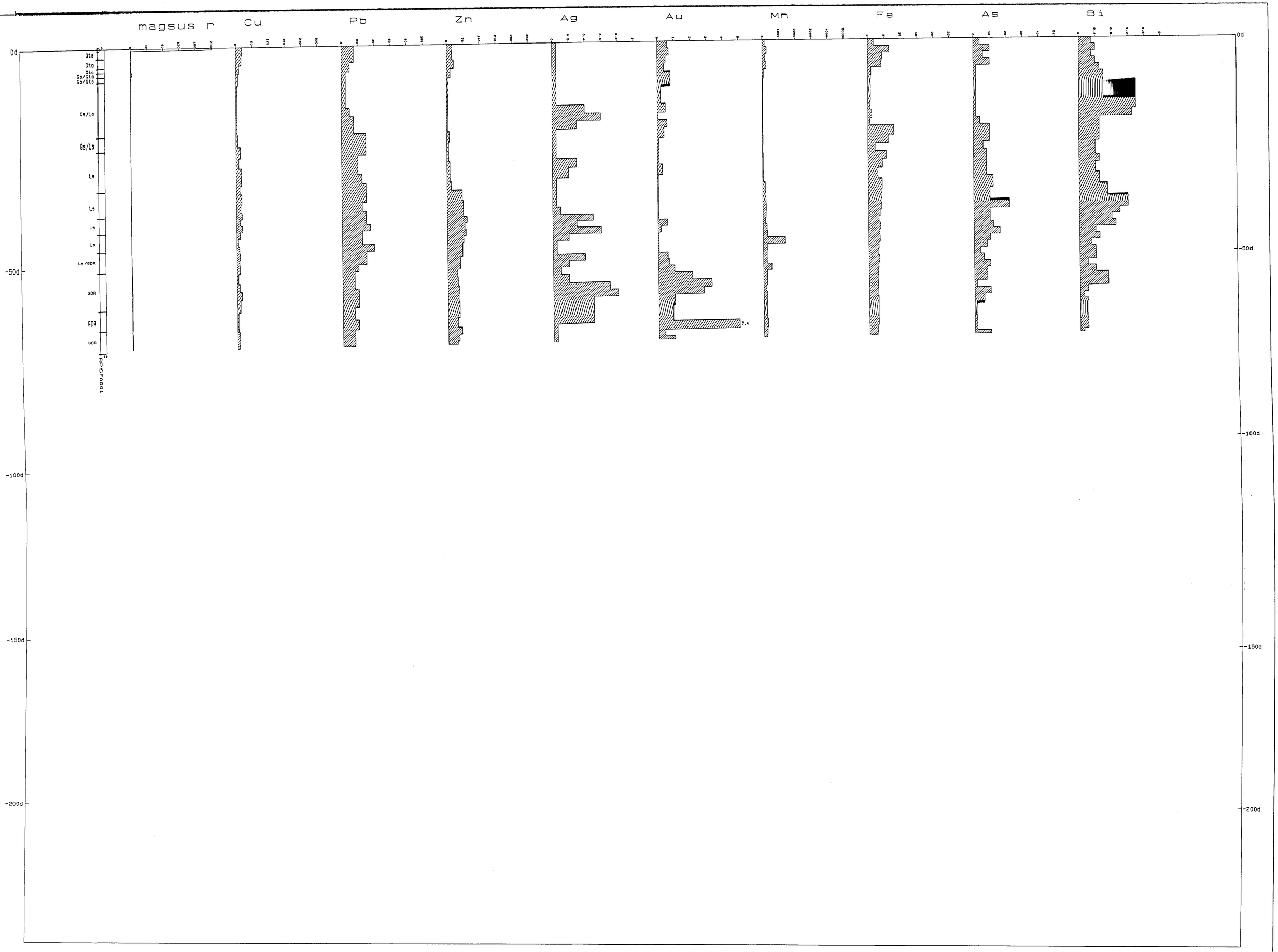
FIGURE 2

REVISIONS			
Init.	Date	Init.	Date
Location Cards			

NORTHERN TERRITORY
HOME OF BULLION JOINT VENTURE
EL 8209 Home of Bullion East
Drillhole Location Plan

Scale: 1:50000 Date: OCT 1995

Compiled: KSH
Drawn:
Traced:
Checked:
Plate No: HBE 5



SCALE 1: 500

metres 10 0 10 20 30 40 50 metres

Aberfoyle Resources Limited
EXPLORATION DIVISION

FIGURE
--4---

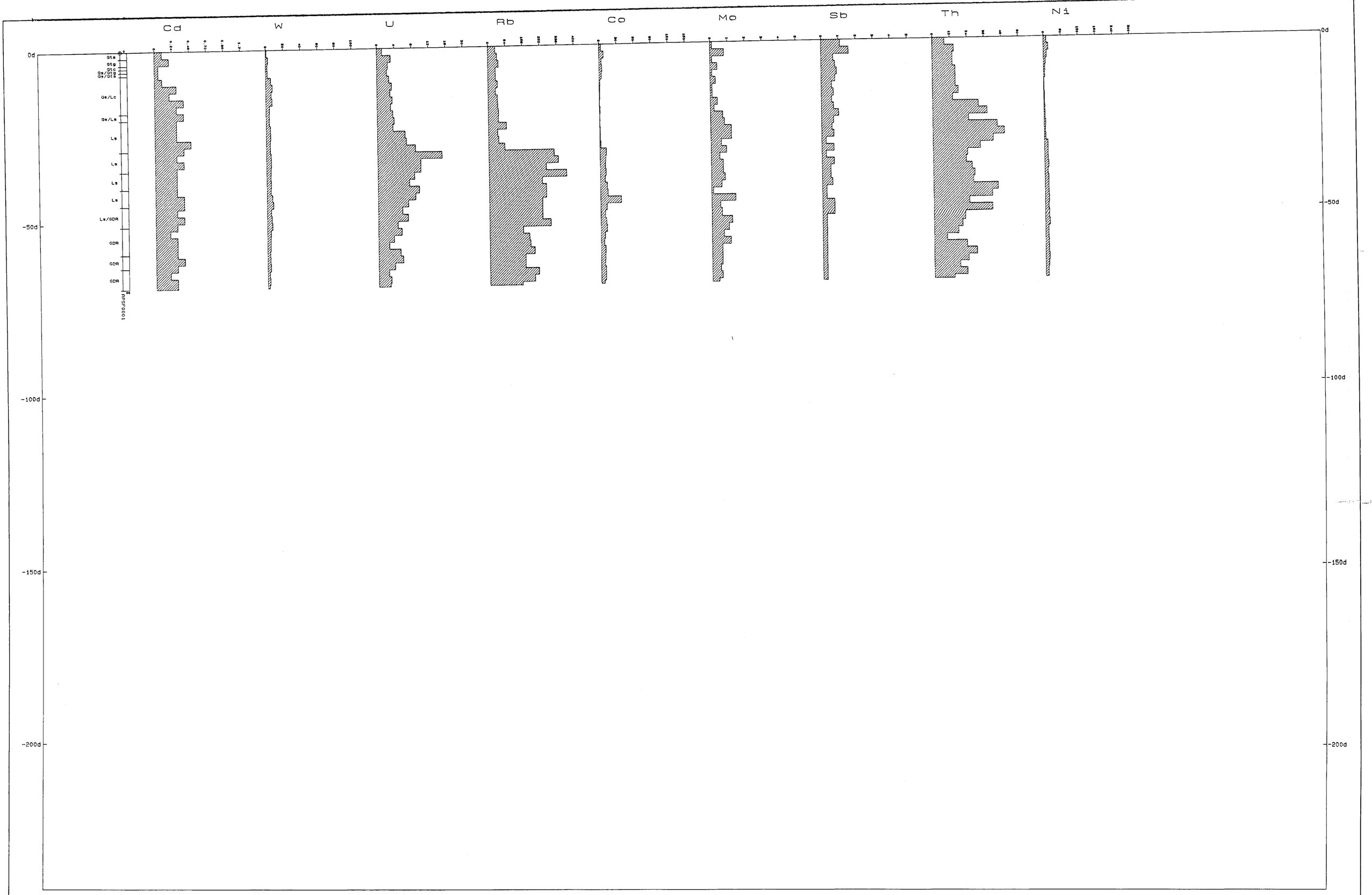
REVISIONS			
Init.	Date	Init.	Date

NORTHERN TERRITORY
HOME OF BULLION JOINT VENTURE
SAFARI PROSPECT
PDH AP1 - Stacked Histograms

Compiled: CGD
Drawn:
Traced:
Checked:

Location Code:
Scale: 1:500
Date: October 1995
Plan Nº: HBE 6

CR95/774



SCALE 1:500

metres 10 0 10 20 30 40 50 metres

GR95/774

Aberfoyle Resources Limited
EXPLORATION DIVISION

FIGURE --5---

REVISIONS			
Init.	Date	Init.	Date

NORTHERN TERRITORY
HOME OF BULLION JOINT VENTURE
SAFARI PROSPECT
PDH RP1 - Stacked Histograms

Compiled: CGD
Drawn:
Traced:
Checked:

Location code:
Scale: 1:500
Date: October 1995
Plan Nº: HBE 7

magsus r | Cu | Pb | Zn | Ag | Au | Mn | Fe | As | Bi

0d

-50d

-100d

-150d

-200d

Qts
Qtg
Qs/Qtg
Qs/Qtg
Qs/Qtg
Qs/Lc
Lc
Ls
Ls
Ls
Ls
Ls/GDR
Ls/SCH
Ls/GDR
Ls/GDR
GDR
GDR

HPSF0002

9.5

SCALE 1:500

metres 10 0 10 20 30 40 50metres

Aberfoyle Resources Limited
EXPLORATION DIVISION

FIGURE 6

REVISIONS			
Init.	Date	Init.	Date

NORTHERN TERRITORY
HOME OF BULLION JOINT VENTURE
SAFARI PROSPECT
PDH RP2 - Stacked Histograms

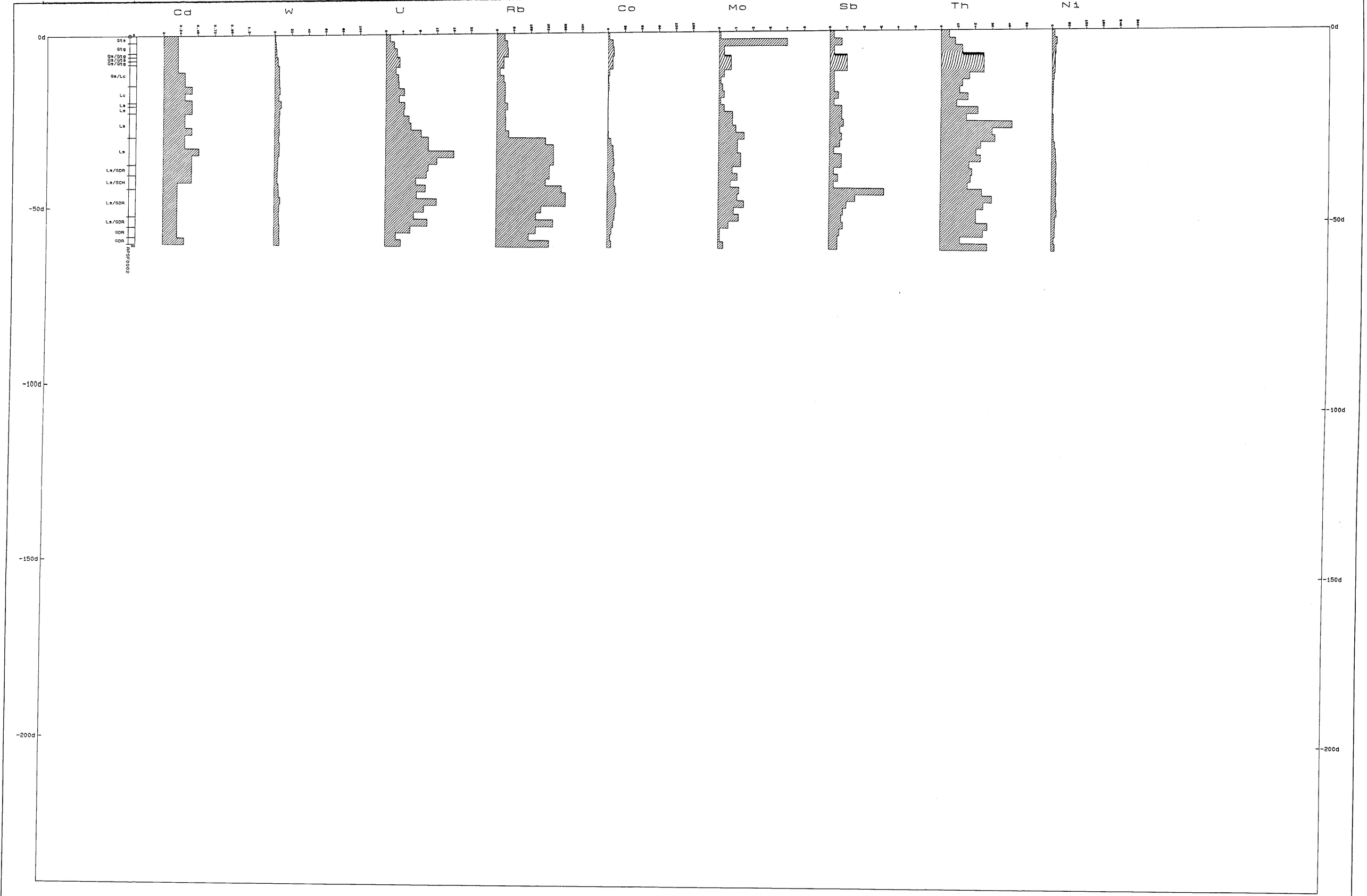
Location code:

Scale: 1:500

Date: Oct 1995

Compiled: CDD
Drawn:
Traced:
Checked:
Plan No.: HBE 8

CR95/774



SCALE 1:500

metres 10 0 10 20 30 40 50 metres

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FIGURE -7-

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

NORTHERN TERRITORY
HOME OF BULLION JOINT VENTURE
SAFARI PROSPECT
PDH RP2 - Stacked Histograms

Location code:

Scale: 1:500 | Date: October 1995

Compiled: CGD
Drawn:
Traced:
Checked:
Plan No: HBE 9

Cd W U Rb Co Mo Sb Th Ni

0d -50d -100d -150d -200d

qtg
qtg
Qs/Lm
Ls
Ls
Ls
Ls
Ls/GN/SCH
SCH/GN
GN/GND
GN
GN/SCH
GN
GN
GN
GN
GN
GN
GN
GN
GN
GN
GND/GN
GND/GN
GND/GN

PDSF0003

420
79
45
79

0d -50d -100d -150d -200d

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FIGURE -9-

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

Location Code: SF53-6

NORTHERN TERRITORY
HOME OF BULLION JOINT VENTURE
SAFARI PROSPECT
DDH PD3 - Stacked Histograms

Scale: 1 : 500
Date: 28/02/95

Compiled: CGD
Drawn:
Traced:
Checked:
Plate No.: HOB 62

magsus r | Cu | Pb | Zn | Ag | Au | Mn | Fe | As | Bi

0d
-50d
-100d
-150d
-200d

Qts
Qtg
Qs/Lm
Ls
Ls
Ls
Ls
Ls/GN/SCH
SCH/GN
GN/GND
GN
GN/SCH
GN
GN
GN
GN
GN
GN
GN
GN
GN
GN
GN
GN
GN
GN
GN
GN/GN
GN/GN
GN/GN
GN/GN
150.2

PDSF0003

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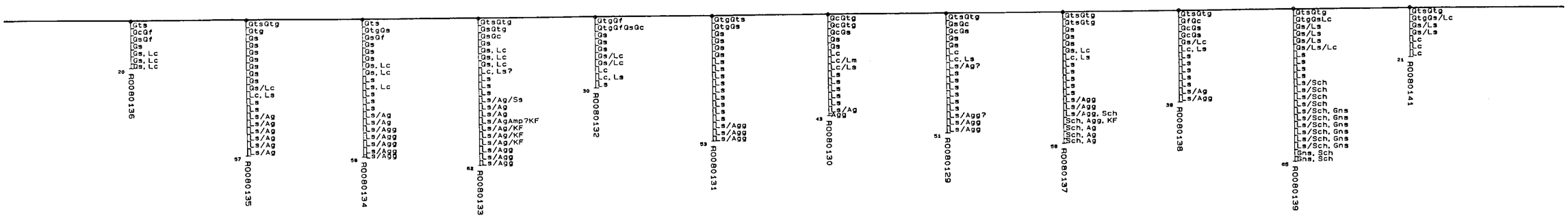
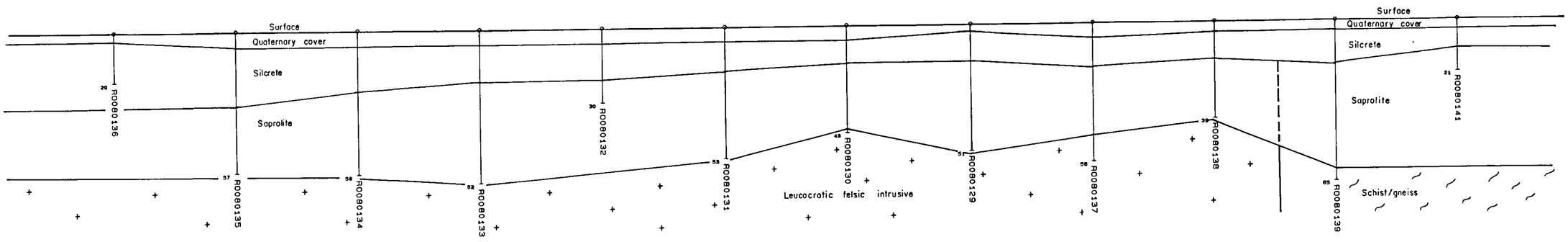
Aberfoyle Resources Limited EXPLORATION DIVISION			FIGURE -10---
REVISIONS Ini. Date Ini. Date	NORTHERN TERRITORY HOME OF BULLION JOINT VENTURE SAFARI PROSPECT DDH PD3 - Stacked Histograms		Compiled: CGD Drawn: Traced: Checked:
Location Code: SF53-6	Scale: 1 : 500	Date: 28/02/95	Plate No.: HOB 63

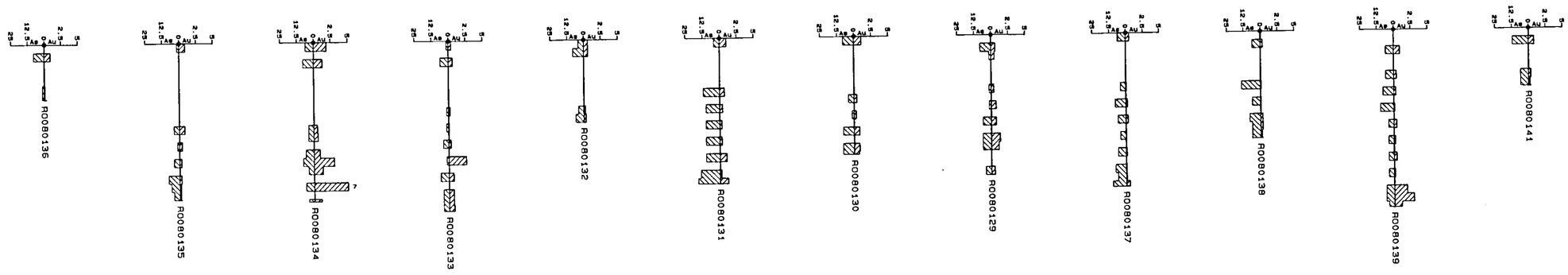
GEOLOGICAL LOG



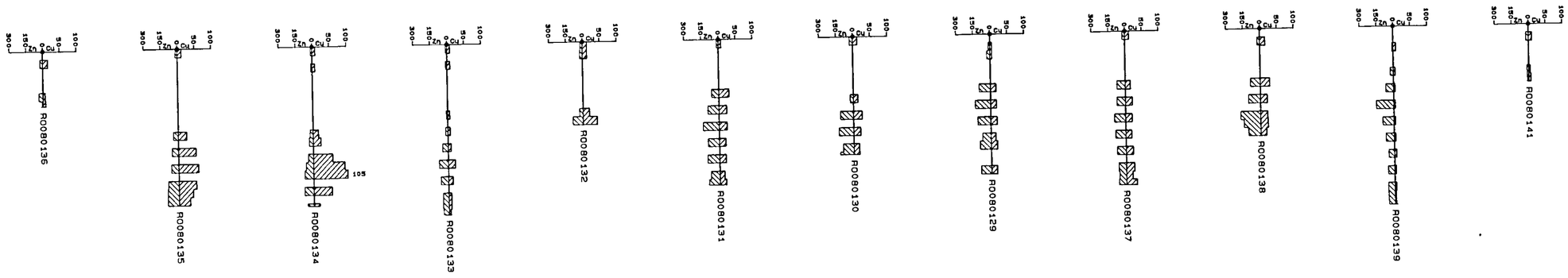
GEOLOGICAL INTERPRETATION



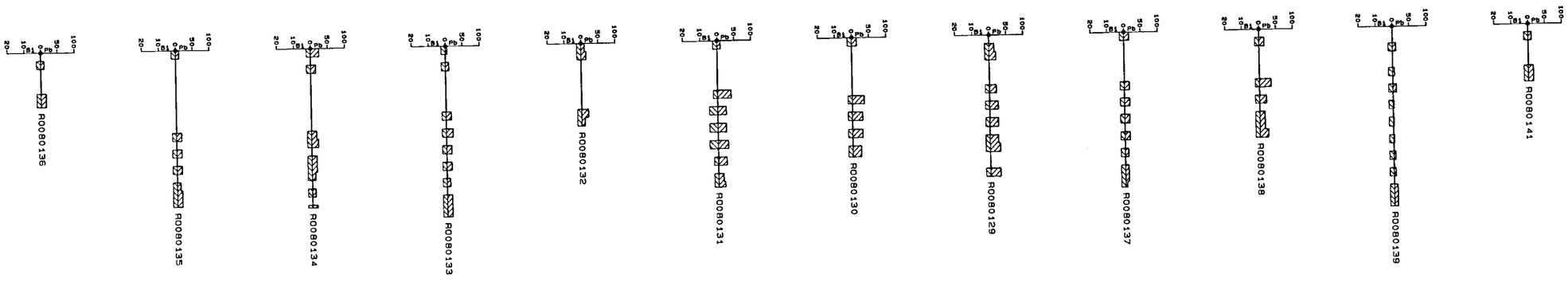
GEOCHEMISTRY - Au, As



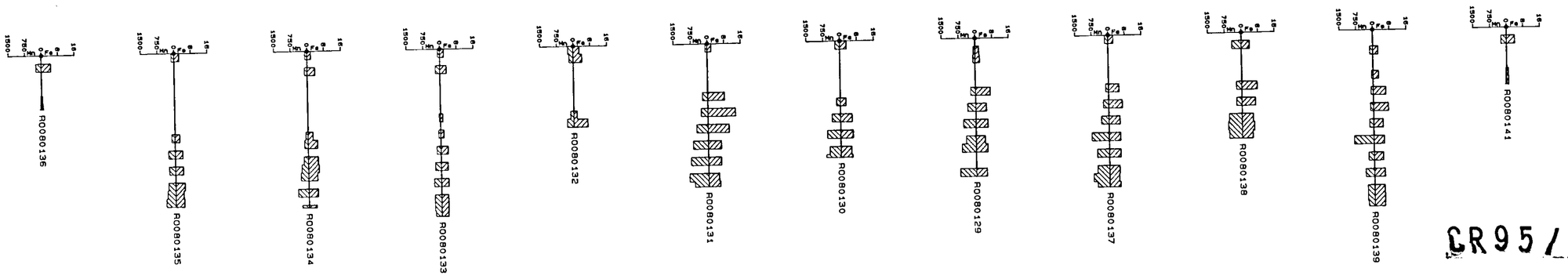
GEOCHEMISTRY - Cu, Zn



GEOCHEMISTRY - Pb, Bi



GEOCHEMISTRY - Fe, Mn



Horizontal Scale : 1:2500
Vertical Scale : X 2

NOTE : All geochemical values are in ppm except Au (ppb)

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Aberfoyle Resources Limited
EXPLORATION DIVISION

FIGURE -11---

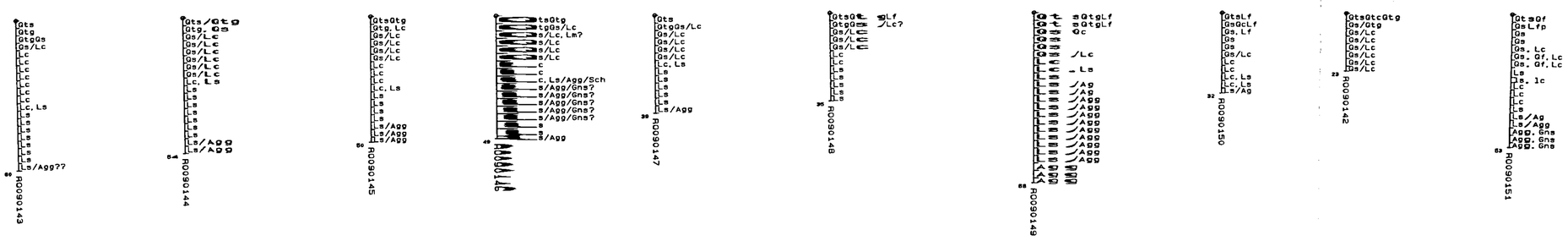
REVISIONS			
Init.	Date	Init.	Date
Location Code :			

NORTHERN TERRITORY GOLD PROJECT
HOME OF BULLION JOINT VENTURE
EL 8209 - HOME OF BULLION EAST
SAFARI MAGNETIC TARGET RAB LINE 8
GEOLOGY AND GEOCHEMISTRY

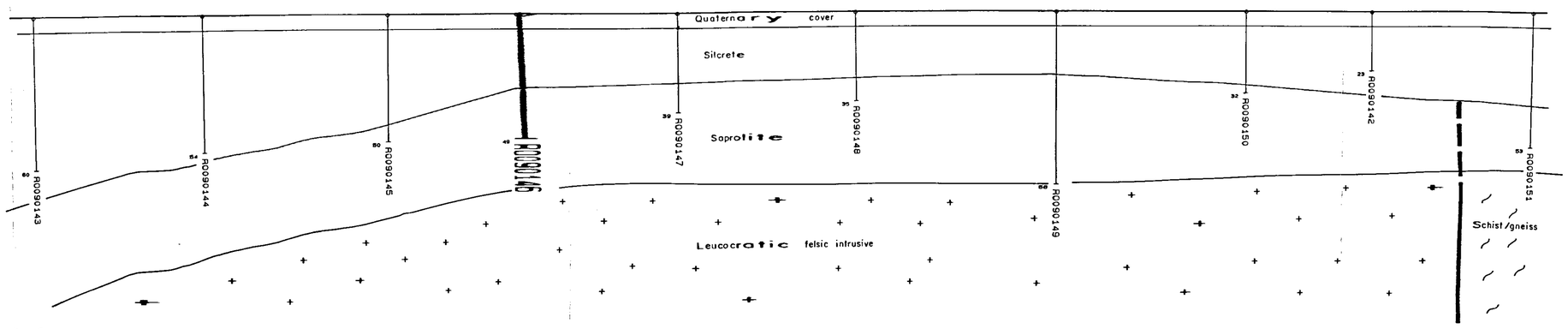
Scale : As shown
Date : October 1995

Compiled : CGD, KSH
Drawn :
Traced :
Checked :
Plate No. : HBE 13

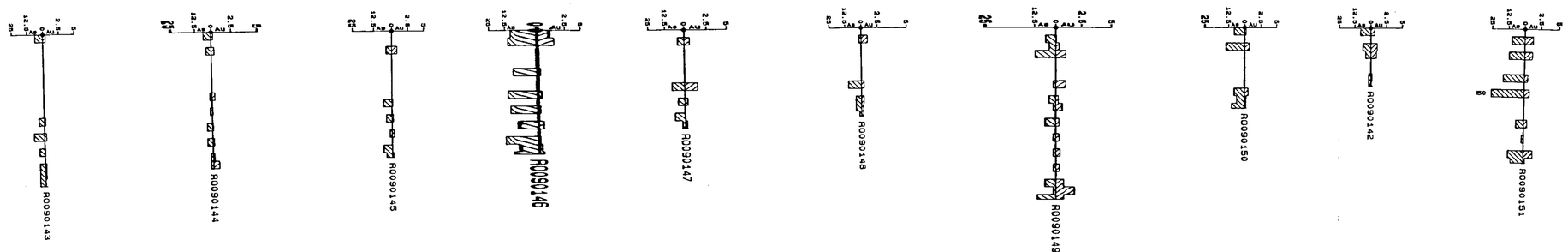
GEOLOGICAL LOG



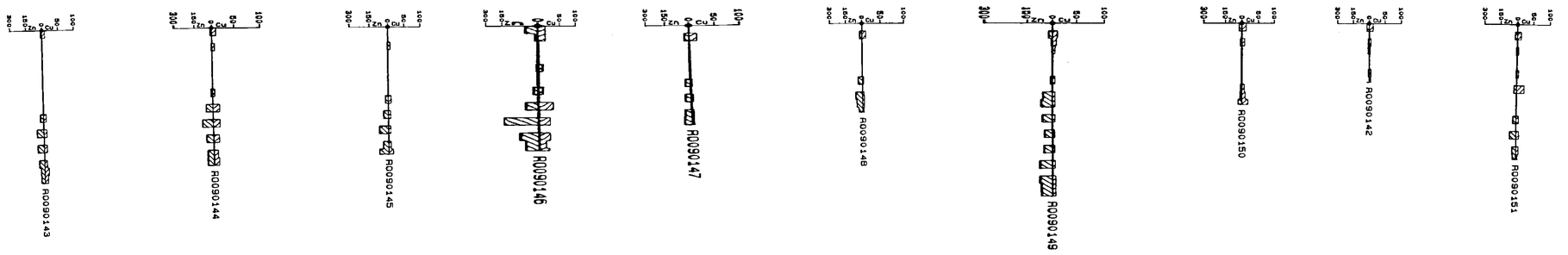
GEOLOGICAL INTERPRETATION



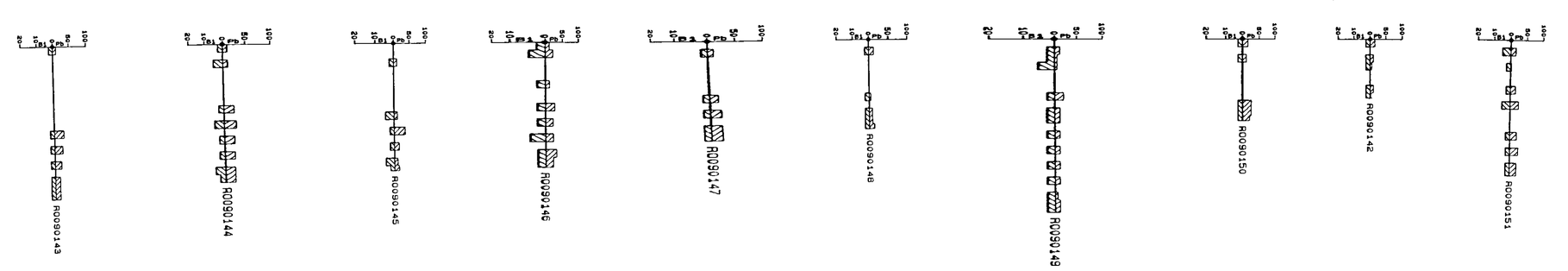
GEOCHEMISTRY - Au, As



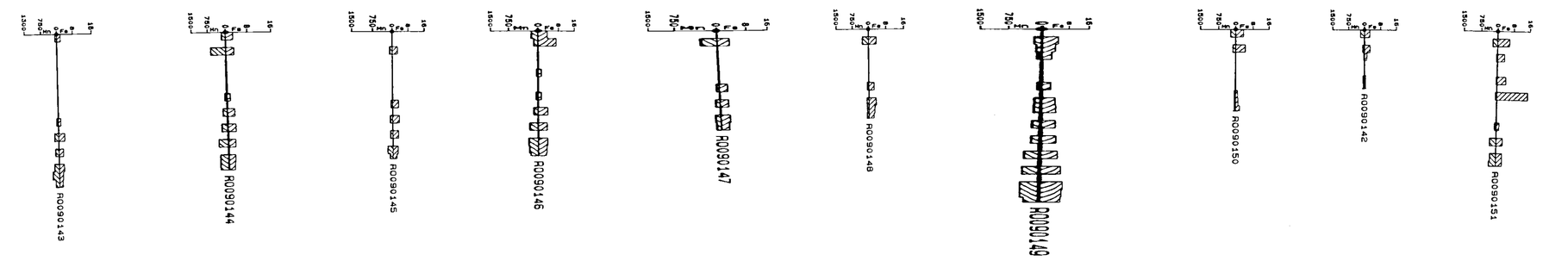
GEOCHEMISTRY - Cu, Zn



GEOCHEMISTRY - Pb, Bi



GEOCHEMISTRY - Fe, Mn



Horizontal Scale : 1:2500
Vertical Scale : X 2

NOTE : All geochemical values are in ppm except Au (ppb)

Aberfoyle Resources Limited
EXPLORATION DIVISION

FIGURE - 12 - -

REVISIONS			
Init.	Date	Init.	Date

Location Code :

NORTHERN TERRITORY GOLD PROJECT
HOME OF BULLION JOINT VENTURE
EL 8209 - HOME OF BULLION EAST
SAFARI MAGNETIC TARGET RAB LINE 9
GEOLOGY AND GEOCHEMISTRY

Scale : As shown
Date : October 1995

Compiled : CGD, KSH
Drawn :
Traced :
Check..d :
Plate No. : HBE 10

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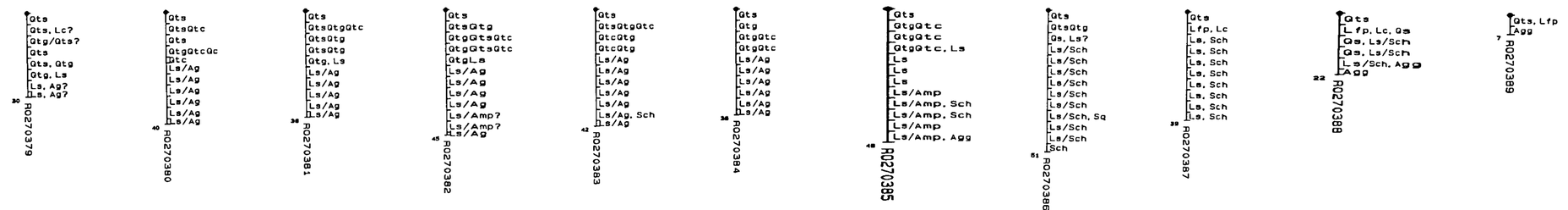
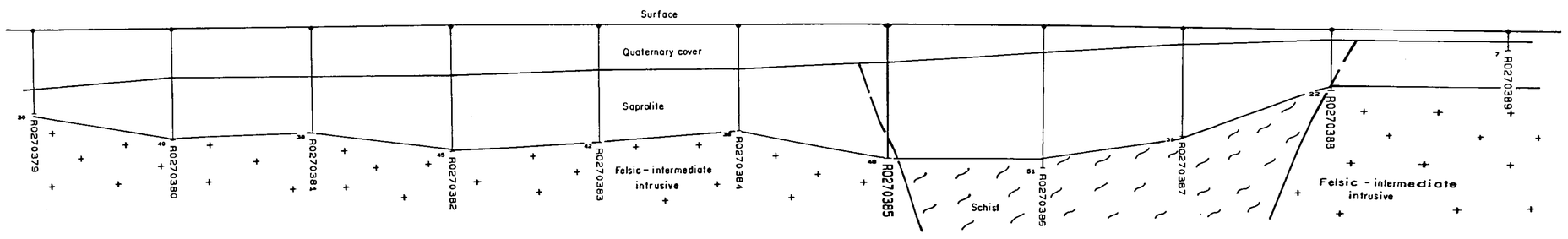
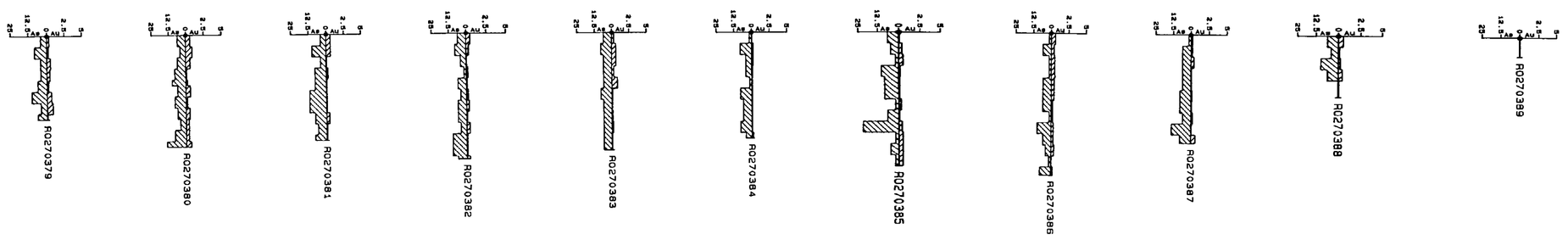
GEOLOGICAL LOG



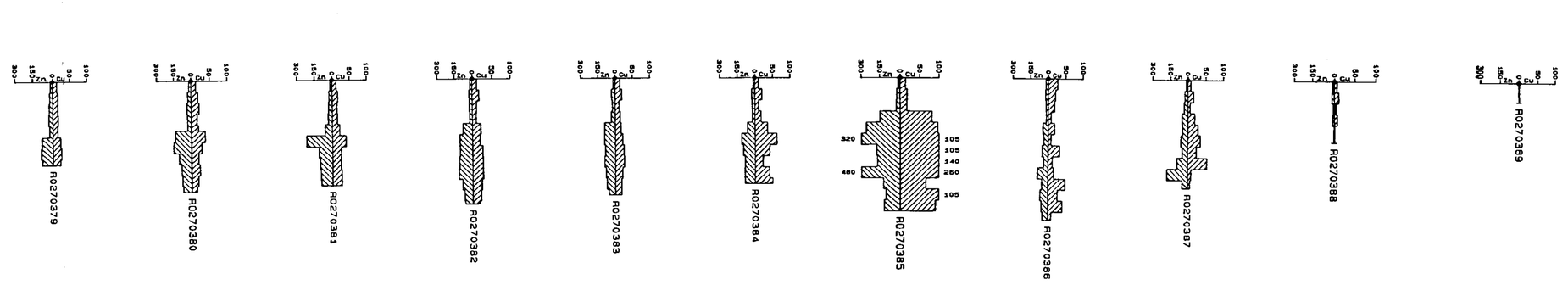
GEOLOGICAL INTERPRETATION



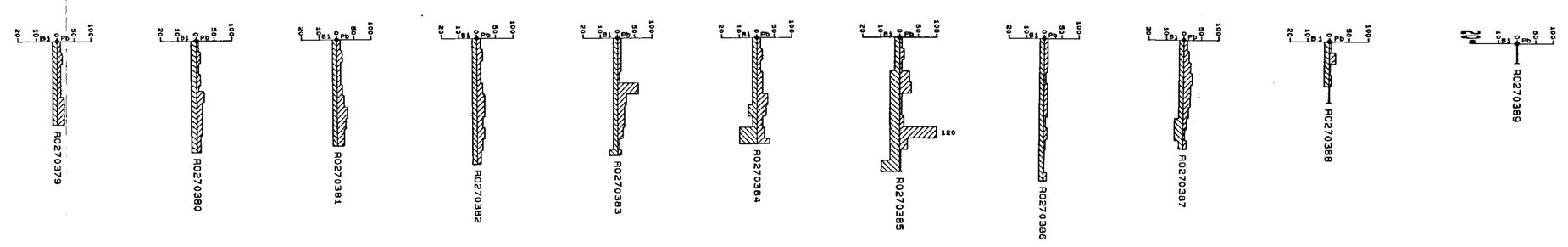
GEOCHEMISTRY - Au, As



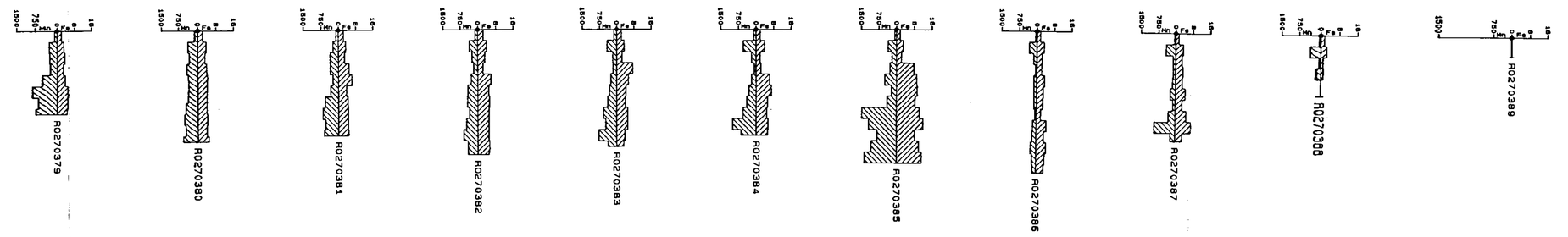
GEOCHEMISTRY - Cu, Zn



GEOCHEMISTRY - Pb, Bi



GEOCHEMISTRY - Fe, Mn



Horizontal Scale: 1:2500
Vertical Scale: X2

NOTE : All geochemical values are in ppm except Au (ppb)

Aberfoyle Resources Limited
EXPLORATION DIVISION

FIGURE -13---

REVISIONS			
Init.	Date	Init.	Date
Location Code :			

NORTHERN TERRITORY GOLD PROJECT
HOME OF BULLION JOINT VENTURE
EL 8209 – HOME OF BULLION EAST
ORIENTAL MAGNETIC TARGET RAB LINE 27
GEOLOGY AND GEOCHEMISTRY

Scale : As shown | Date : October 1995

Compiled : CGD, KSH
Drawn :
Traced :
Checked :
Plate No. : HBE 11

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