Aberfoyle Resources Limited
A.C.N. 004 664 108

Exploration Division

EXPLORATION LICENCE 9146

'DESERT BORE'
(Alcoota and Napperby 1:250 000 sheets)

PARTIAL RELINQUISHMENT REPORT FOR EXPLORATION ACTIVITIES ON THE AREA REDUCED AT THE YEAR ENDED 15 AUGUST 1998

OPEN FILE

Distribution:

Aberfoyle Resources Ltd, Perth (1)
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R98/1727

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SUMMARY

EL 9146 was due for a third year reduction on 15 August 1998. A total of 37, one minute by one minute, graticular blocks were relinquished by Aberfoyle comprising a 50% reduction of land area.

Work done on the portion of EL 9146 relinquished from the grant date to 15 August 1998 consists of application and receival of an AAPA Authority Certificate, an airborne magnetic and radiometric survey and RAB drilling (3 holes).

Drilling returned no significant results on that portion of the licence to be relinquished.

1. INTRODUCTION

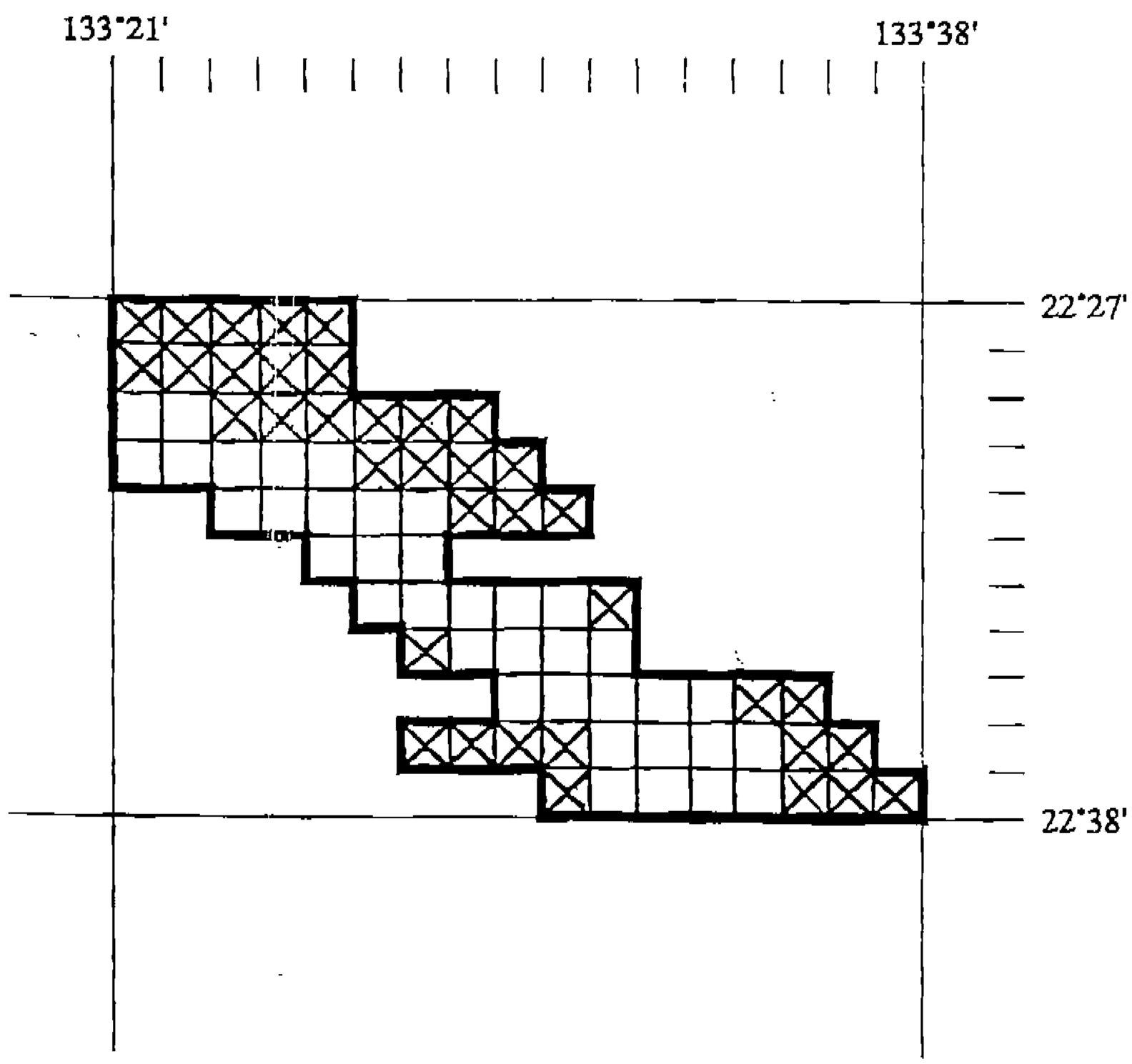
Exploration Licence 9146 'Desert Bore' (477km^2) was granted to Aberfoyle Resources Limited on 16 August 1995 for a period of six years.

In accordance with Northern Territory Department of Minerals and Energy regulations, EL 9146 was due for a second reduction on the third anniversary (15 August 1998). A total of 37, one minute by one minute, graticular blocks were relinquished by Aberfoyle comprising a 50% reduction of land area (Figure 1).

This report outlines exploration activities carried out by Aberfoyle on the relinquished portion of EL 9146 from the grant date to 15 August 1998.

SECOND SCHEDULE
(Plan of Area)

Area Reduction - End of Year 3



Desert Bore

EL9146

74 BLOCKS

238 sq kms

☐ **Area Retained (37 blocks)**

☒ **Area Relinquished (37 blocks)**

Figure 1

2. EXPLORATION ACTIVITIES COMPLETED

2.1. AAPA Site Survey

In January 1996, Aberfoyle applied to the Aboriginal Areas Protection Authority for an Authority Certificate covering the area of EL 9146. The survey was completed and the AAPA issued an authority certificate to the company on 9 April 1996. No sites of Aboriginal significance were located on the licence. A copy of the Authority Certificate is included in Appendix 3.

2.2. Ground Magnetic Traverses and RAB Drilling

Ground magnetic traverses and reconnaissance RAB drilling were undertaken during the first year of tenure. The area of ground magnetic traverses lies entirely within that portion of the licence to be retained by Aberfoyle and is not reported here. Of the 6 RAB drill holes drilled on the licence 3 lie within the area to be relinquished; R3001, R3002 and R2006. These drill holes returned no significant results. Assay reports and drill hole logs are given in Appendix 2 while Figure 4 is a drill hole location plan.

On the licence two broad spaced traverses of three holes each were drilled in the central area of the licence to determine the depth of Cainozoic cover sequences in the Ti Tree Basin. Drilling was completed by Tennant Creek based Stadcote Drilling using an Edson 2000 drill rig. Figure 4 shows the location of drill holes while Figures 5 and 6 show stacked regolith, geological and geochemical information for the two lines drilled.

Drilling determined that Cainozoic cover was present to depths of greater than 10m. This material was not sampled but material below this was composited and submitted to Amdel Laboratories in Alice Springs for gold and base metals analysis. Gold was determined by fire assay (Amdel

method FA3M). Base metals were determined using multi acid digest with ICP-OES finish (Amdel method IC3E). Assay results are included in Appendix 2.

Drill hole sites were cleared of rubbish with drill holes plugged to industry standard.

2.3. Airborne Magnetic and Radiometric Survey

To enable accurate targeting of surface and sub-surface geochemical exploration, Aberfoyle contracted World Geoscience Corporation in November 1996 to conduct an airborne magnetic and radiometric survey over EL 9146.

A Logistic Report by an Aberfoyle Geophysicist is shown as Appendix 1, and a total magnetic intensity image and a flight path plan for the relinquished area are shown as Figures 2 and 3.

Figure 2 shows most of the relinquished area to consist of low order to background magnetism, with the exception being anomalism in both NE corners of the licence and in the southern central region adjacent to blocks retained by Aberfoyle.

It is interpreted that the depth of Ti Tree Basin cover in the NE of EL 9146 is prohibitive, and follow up of these aeromagnetic anomalies is not recommended.

3. EXPENDITURE

Excluding tenement rentals and the cost of the AAPA Authority Certificate, at the third anniversary of EL 9146 'Desert Bore', the total expenditure on exploration is $82,269.

APPENDIX 1

Airborne Magnetic and Radiometric Survey
(Geophysicists Report)

ABERFOYLE RESOURCES

"DESERT BORE - TIHARKIE BORE"

AIRBORNE MAGNETIC & RADIOMETRIC SURVEY

October-November 1996

Logistic Report

Prepared By:

A D Thompson
Geophysicist

August 1997

1. INTRODUCTION

An airborne magnetic and radiometric survey was conducted over EL9145 Tinarkie Bore and EL9146 Desert Bore in the Northern Territory near the town of Ti-Tree approximately 100 km North of Alice Springs (Fig. 1).

The survey took place in mid November over a period of 3-4 days and was conducted by World Geoscience Corporation for Aberfoyle Resources Limited.

A total of 5248 line kilometres of data were collected over approximately 275 North-South lines. The line spacing were 500m apart in the northern half of the survey however was closed up to 250m in the Southern half after it became apparent that a closer line spacing was required to resolve features in this location (Fig. 2).

The survey was designed as a first pass exploration tool to locate those areas with interesting magnetic characteristics and to determine those areas within the Els where the depth to magnetic basement is shallow enough to effectively explore for mineralisation.

2. DATA COLLECTION

2.1 Instrumentation

The Airborne Magnetic and Radiometric data were collected using the following equipment.

Aircraft -	Cessna 206
Magnetic Sensor -	Scintrex VIW2321/CS2 split beam cesium vapour sensor.
Magnetometer -	Picodas PDAS 1000 acquisition system.
Spectrometer -	Picodas PGAM 256 channel self calibrating spectrometer.
Spec Sensor -	Two 16.75 litre NaI crystal sensors.
Navigation -	Differential GPS satellite navigation system & Picodas PNAV 2001 Navigation system.
Elevation -	Radar Altimeter & Barometric Altimeter

2.2 Survey Specifications

The following specifications were used for data acquisition.

Flight Line Spacing -	500 metres throughout the Northern half of the survey and 250 metres throughout most of the Southern half of the survey. The increased line density in the South was due to the increased complexity of the magnetic features.
Flight Line Direction -	N-S
Tie Line Spacing -	5000m.
Tie Line Direction -	E-W
Sensor Height -	80 metres. Which is fairly high due to the large line spacing and several hills in the Western part of the survey area.
Mag. Sample Interval -	6m
Mag. Cycle Rate -	0.1 seconds
Spec Sample Interval -	60 m
Spec Cycle Rate -	1 second

GPS cycle Rate - 1 second

2.3 Magnetic Base Station

A Geometrics G856 proton precession magnetometer with 0.1 nT resolution, 0.5nT noise envelope cycling every 5 seconds was used. The Base station and mobile magnetometer clocks were synchronised daily.

3.0 Comments

The survey was completed within the specified time however a slight delay was necessary when part of the navigation system broke down making location of flight lines unreliable. No other problems were encountered.

An image of the Total Magnetic Intensity with a Northeast-Southwest sunshade is included in Figure 3.

APPENDIX 2

RAB Drill Logs & Assay Reports

ABERFOYLE RESOURCES LTD

EXPLORATION DIVISION
WESTERN AUSTRALIA - YILGARN

DHS Data Sets

Geology

Field Name	Type	Length (spaces)	Example
From	Numeric	7.2	102.20
To	Numeric	7.2	103.20
Colour	Character	8	LBrRd
Weathering	Character	2	M
Rock Type	Character	12	vfBvt
Fabric/Texture	Character	8	WShd
%QzVn	Numeric	4	15
Comments	Character	30	

Alteration

Field Name	Type	Length (spaces)	Example
From	Numeric	7.2	102.30
To	Numeric	7.2	103.20
Type	Character	6	BiCb
% Amount	Numeric	4.1	
Intensity	Character	4	M

Note: use % amount or intensity.

Mineralisation

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

Structure

Field Name	Type	Length (spaces)	Example
Depth (to top)	Numeric	7.2	102.30
Type	Character	8	Bed
DTH Width	Numeric	8.3	0.4
Dip	Numeric	2	
Dip Dir'n	Numeric	3	
Core Angle	Numeric	2	40
Frequency/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
Yc	yellow

Prefix L Light
D Dark

Weathering/Oxidation

S	Strong
M	Moderate
W	Weak
Fr	Fresh

- also as prefix to Fabric/Texture
- Intensity of Alteration

Rocktype

1. Grainsize

c	coarse
m	medium
f	fine

Prefix v Very

LITHOLOGY

Recent Surficial Deposits

Q	undifferentiated		
Qt	transported cover (dep)	grainsize suffix	
Qr	residual soil (res)		
		c	clay
Qh	hardpan]	s	sand
Qs	silcrete] late overprint	g	gravel
Qc	calcrete]	p	pisolite
		n	nodule
Ql	lake sediments	i.e. sand cover with hardpan	
Qf	ferruginous lag/transp. laterite?	=	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
Sch	chert
Sif	ironformation
Sd	dolomite
Sc	conglomerate

Ultramafic Rocks

U	undifferentiated
Upd	peridotite
Upx	pyroxenite
Us	serpentinite
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.	SchBtClEp	VnQzCc
	SchTcClCb	HnfAmFd
	GnsQzFdBt	
	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	Gra	granulite

In local databases, where strat column has been established, abbreviations of these names are likely i.e. Davyhurst Ba, Ca, Aca, Tca, 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
Tc	talc
Tm	tourmaline
Tr	tremolite
VG	visible gold

	Fabric/Texture	Structural Feat
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/porphyroblastic	
Rxt	recrystallized	
Sch	schistose	schistosity
Sem	semi-massive	
Sh(d)	sheared	shearing
Stk	stockworked	
Ves	vesicular/amygdaloidal	
Vn(d)	veined	vein
Vug	vuggy	
Xbd	cross-bedded	cross-bedding
Xct	cross cutting	
Xtl	crystalline	

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971109 PERCUSSION DRILL LOG

LICENCE/PROSPECT: DESERT BORE

HOLE ID	R0030001	DIP	-90	GEOLOGIST	SM.	PAGE	
COLLAR NORTH	7503520	AZIMUTH	—	DRILLER	STADCOTE		
COLLAR EAST	341690	COMMENCED	18/6/96	RIG TYPE	EDSON.	OF	
RL	500	COMPLETED	18/6/96.	TOTAL DEPTH	24—		

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.	
	0-2		Qts	OrRdBr	Fr.		S							
	2-3		Qtz, Qtp.	"	Blk		S.							
	3-6		Qtz, Tfc?	FaGyBlk	"		SM							
	6-9		Qh (Tfc).	"	Fg.		"							
971109.	9-10													
	10-12.		?Tfc.	Br, FaGy	Fg, Gran		M.	W		He				
110	12-14	?Tfs	?Lsm - ?Agg	FaGy.	Cg		M							Fleagrains.
111	14-18	?Tfs	—	LBr	"		"							
112	18-21		?Tf, Lsl	DBr.	Fg, WFo		S.	M		He				
113	21-23		Lsl - ?Agg		Mg, MStr.		W							Shrd felsic intrn.
114.	23-24		"		M-Cg		W							
	EOH													

A[illegible]e[illegible]rs[illegible] Limited +500m

EXPLORATION DIVISION

PERCUSSION DRILL LOG

115.

LICENCE/PROSPECT: Desert Dome.

HOLE ID	R003992	DIP	-90	GEOLOGIST	SK.
COLLAR NORTH	7503515	AZIMUTH	—	DRILLER	GARY.
COLLAR EAST	342190	COMMENCED	18/6	RIG TYPE	EDSON
RL	500	COMPLETED	18/6	TOTAL DEPTH	29m

PAGE ___ OF ___

Sample No.	Depth	LITHOLOGY: Stratigraphy	Rock Type	Colour	Texture	Weath: Style	Weath: Intensity	ALTERATION: Intensity	Texture	Mineralogy	MINERALISATION: Texture	Mineralogy and Contents	GEOPHY. Mag.Susc.	COMMENTS
														First - Hempit collar collapsed
	0-2		Qts.	Rd/Br.	Fri		S							1hr free rods → b.t.
971115	2-3		Qtz, Qtz	"	Fnlds, Bk		S							
116	3-5		Qts, Qc	Lt/Dr Fn	Gran		S							
117	5-10		Qh(Tts)	Fn Lt/Dr.	Fg Gran		M							
118	10-16		Qh(Tts)	"	"		"							
119	16-19		Qtz(Tts)	Br	"		"	W		He				1st app of free gyte
120	19-25		Qtz/Tts	Fn.	Blk		W							Fresh amphibolite clasts
121	25-27		Tts	Lt/Dr	Fg Fr.		W							orthy cemented.
	27-29		"	"	"		W							Free run sand.
	EOH													Lost circ
														Hole collapsed.
														- danger of losing rods!

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

122. +300.

LICENCE/PROSPECT: DESERT BORE

HOLE ID	R0030003	DIP	-90.	GEOLOGIST	SH	PAGE	
COLLAR NORTH	7503575	AZIMUTH	–	DRILLER	GARY.		
COLLAR EAST	342 430	COMMENCED	18/6	RIG TYPE	EDSON.	OF	
RL	500	COMPLETED	18/6	TOTAL DEPTH	38m		

Sample No.	Depth	LITHOLOGY Stratigraphy	Rock Type	Colour	Texture	Weath Style	Weath Intensity	ALTERATION Intensity	Texture	Mineralogy	MINERALISATION Texture	Mineralogy and Contents	GEOPHY. Mag.Susc.	COMMENTS
	0-3		Qts, Qtz p.	LRdBr	Fr Rnd'd		S.							
	3-7		Qc, Tts	FaLbGyPu	Gran		M							
	7-9		Qtz, Tts	"	Fg, Gran		M	W		He.				Wkly cemented.
	9-13		Tts	LBlueGy	Mg		"							Sand with free qtz & fsp grains
97,122	13-15		?Tg, Tts.	Br, Gy	Fg, Gran		"	W		He.				WK He cement.
	15-21		Tts, Ttg	FaGyLBr	C-Fg, Fr.		"							F-Cg sand clasts
123	21-24		Tg?	Br	F-VFg		S.	W-M		He.				Mod cement of VFgn. is
124	24-30		? Ttg, Tts	GyBr.	BRn		M							by blk qtz gravels with sands
125	30-35		Ttg, Tts.	"	F-Pebb.		W							Sands with qtz & amph frags
126	35-38		Tts	Br	F-Mg		M							
	EOH.													Lost circ.
														No penetration thru cover.

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PERCUSSION DRILL LOG

127

LICENCE/PROSPECT: DESERT BONE

HOLE ID	R0020004	DIP	-90	GEOLOGIST	SH	PAGE	
COLLAR NORTH	7503615	AZIMUTH	—	DRILLER	STADCOTE		
COLLAR EAST	347000	COMMENCED	18/6/96	RIG TYPE	HOSON	OF	
RL		COMPLETED	18/6/96	TOTAL DEPTH	81m		

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	
	0-3		Qts	RdOrBr	F/.		S							
	3-4		Qtp	LBrFa	Rdd		S							
	4-7		?Tj, Tts	LBrFa	Fg, Glau		M-S	W		He.				wk He cement.
	7-13		Tfg, Tj, Tts	FaLBr	F-Cg		S-M	W		FeO				
	13-17		Tj.	Br	Fg		S	?W		He				wk He cement
	17-19		Tfg, Tts	LBr	Fg, PebH		S.							
97/127	19-22		Tjs	DBrTa	Fa		S	PM		He, Fe				He-Fe cemented sands
128	22-26		Tj, Lsj	"	"		"	P		He				
129	26-32		Lsu-Aggy	DBrPk	F-Mg		M-S							
130	32-36		Lsu-?Aggy	Pk.	"		"							Lenticular grains
131	36-39		"	TaBr	"		"							"
132	39-45		"	BrGy	"		"							"
133	45-51		Lsu-Aggy	BrPk	Fg		M.							Qtz-He-Li-fsp ?microgranite
134	51-56		"	"	Fg, ?WFa		"							
? 135.	56-60		Lsu-Aggy/Peg	PkBr	Cg, Ag		"							Abun smoky qtz [illegible]
136	60-64		"	DFaLBr	"		"							Traces of mica flakes.
137	64-67		Lsu-Aggy	OFa	Mg		M-S	Tq		Li				
138	67-71		Lsl-Aggy	GryBrn	F-Mg, ?WFa		M							Traces of biotite [illegible]
139	71-76		Lsl-?Aggy	Agy	VF-Mg, MFa		M							
140/141	76-81		"	"	"		M-W							Finally

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EXPLORATION DIVISION

PERCUSSION DRILL LOG

162.

+550m.

LICENCE/PROSPECT: DESERT BOWL

HOLE ID	R002005	DIP	-90	GEOLOGIST	SH	PAGE	
COLLAR NORTH	7503600	AZIMUTH	—	DRILLER	STADCOTE		
COLLAR EAST	347555	COMMENCED	19/6/96	RIG TYPE	EDSON	OF	
RL	500	COMPLETED	19/6/96	TOTAL DEPTH	70m		

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.	
	0-2		Qts	Rlbrn.	Fi		S							
	2-3		? Qtz/Qp.	"	Rnld		S							
	3-4		Qtz, Qtp	BuBr	Bkn.		S							
	4-14		Tfs	LBuFa	FgGrn		M	W-TR		He				Wk He cement.
	14-23		Tfsf.	LBrTn	"		S	W-M		He				Wk He cementing of sands
971142	23-27		? Tfsf	Br	"		"	"		"				" "
143	27-31		Lsu-?Agg	OrPk	Mg, VFg?		M	W		He				Contact @ 26.5m.
144.	31-37		"	Pp.	"		"	"		"				
145	37-42		Lsu-?Agg	LBrPk	Mg-Fiss		M	TR		Li, He, Ls.				Free 0.8mm qtz grains, shrd or mafic component minerals
146.	42-45		"	FaKh	Mg		M-S	TR		Li, He				
147.	45-51		Lsl-?Agg	GnKh	Mg. VFg Fiss		M	TR		Li				AA w/R free qtz grains & shrd everything else ??
148	51-57		"	"	"		M							AA with some wh fsps
149	57-63		Lsl-Agg	Grn	VCg		M-W	TR		Chl				Qtz & fsp rich, lg grains, shrd chl mafic
150	63-67		Lsl-Grns (Agg)	"	VC-VFg		"	W		Chl				Mafics shrd & chloritic ? segregation
151	67-69		"	KhGrn.	"		"	TR		Chl				
	69-70		Lsl-Agg	LBrOFa.	Cg		"	—		—				Pk fsp. imports Bre colour
	EOH.													

A[illegible]e [illegible]sc[illegible] Limited
EXPLORATION DIVISION

+200

1\2 PERCUSSION DRILL LOG

LICENCE/PROSPECT: DESERT GORE

HOLE ID	R0020006	DIP	-90	GEOLOGIST	SH
COLLAR NORTH	7503635	AZIMUTH	—	DRILLER	GTADROYE
COLLAR EAST	347725	COMMENCED	19/6/96	RIG TYPE	EDSO-N
RL	500	COMPLETED	19/6/96	TOTAL DEPTH	57m

PAGE [ ] OF [ ]

Sample No.	Depth	LITHOLOGY: Stratigraphy	Rock Type	Colour	Texture	Weath: Style	Weath: Intensity	ALTERATION: Intensity	Texture	Mineralogy	MINERALISATION: Texture	Mineralogy and Contents	GEOPHY. Mag.Susc	COMMENTS
	0-2		QAs, Qtz	RdOrB.	Fi.		S.							
	2-3		Qtz, Qtz	RdBr.	Rudd.		S							
	3-6		Tfs, Qtz	LbuFa	Fg		M							
	6-15		Tfs.	"	"		M							
	15-22		Tfsf	T-	Fg		S.	W		He.				
971152	22-25		Tfg, Tfp.	Br T-.	Cg, Bk-		M.							
153	25-28		Tfg	Br	Fg.		M-S	M-W		He				wk He cement.
154	28-33		?Tfg, ?Tf.	OrBr	Pebb-Fg		"	M		He.				
155	33-35		Lsu-Agg?	PpBr	Mg.		M-S	W		He, Li				
156.	35-36		"	OrPK.	"		"	TR		He, Li				
157	36-39		Lsu-Agg/Gns	PK	Mg, Wsh		M-S	"		"				
158	39-41		Lsu-?Agg	LtBrBr	Cg		M-S	W		Li				
159	41-44		"	DBr	"		"	TR		He, Li, Se				
160	44-49		Lsu/Lst.	Br.Kh.Gn	Mg, Wsh		S.					3/Q.		Damp, clay balls.
161	49-54		Lst-Gns(Agg?)	Yg.Gn	Fg-Mg, MFo		W-M	TR		Chl		0.28		Mafic minerals coarser, shr fabric:
162	54-56		"	GryKh	"		"					0.61.	~20%	Contaminant from top of hole
163	56-57		"	GryBr	"		"					0.77	50%	" " "
	EOH													

amdel

Job: 6AD2571
O/N:

nal

ANALYTICAL REPORT

SAMPLE	Cu	Pb	Zn	Bi	As	Fe	Mn
971109	14	15	38	<5	6	2.60%	280
971110	11	20	28	5	<3	2.16%	340
971111	11	15	33	<5	<3	2.51%	270
971112	36	20	88	10	4	5.76%	1250
971113	3	25	68	<5	<3	3.33%	840
971114	4	25	63	5	<3	3.28%	480
971115	18	30	22	<5	6	4.89%	640
971116	13	25	36	<5	6	2.84%	360
971117	10	25	32	<5	4	2.34%	230
971118	9	20	31	<5	<3	2.32%	210
971119	12	15	32	<5	<3	2.51%	310
971120	8	20	27	<5	<3	1.92%	145
971121	8	25	26	<5	6	1.95%	220
971122	12	20	35	<5	<3	2.51%	310
971123	14	20	41	5	<3	3.23%	490
971124	10	15	32	<5	<3	2.54%	380
971125	7	25	27	<5	4	1.88%	155
971126	27	25	62	10	<3	4.03%	330
971127	25	25	55	10	<3	4.19%	680
971128	46	25	62	10	<3	5.25%	330
971129	31	55	33	15	10	6.16%	170
971130	9	35	19	10	10	3.25%	155
971131	14	15	66	10	<3	4.19%	230
971132	20	30	87	10	6	4.68%	210
971133	12	15	59	10	<3	3.92%	190
971134	10	30	50	15	6	4.07%	140
971135	12	15	43	10	<3	2.78%	145
971136	16	35	60	10	6	2.61%	480
971137	11	35	69	5	<3	2.46%	330
971138	16	15	125	5	4	5.88%	390
971139	12	35	150	10	4	4.92%	540
971140	50	25	90	10	<3	3.86%	300
971141	48	20	86	5	<3	3.99%	300
971142	27	30	45	10	12	5.51%	310
971143	7	35	16	5	4	2.98%	70
971144	3	30	30	10	6	4.78%	95
971145	15	55	41	10	4	4.61%	100
971146	11	20	71	10	<3	3.95%	145
971147	8	25	105	10	<3	4.96%	120
971148	6	15	78	5	<3	3.53%	100
971149	7	30	66	5	<3	3.39%	145
971150	5	20	65	5	<3	3.06%	260
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	2	5	2	5	3	100	5
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

Final

Job: 6AD2571
O/N:

ANALYTICAL REPORT

SAMPLE	Cu	Pb	Zn	Bi	As	Fe	Mn
971151	3	30	80	10	<3	4.03%	340
971152	17	20	33	5	<3	3.30%	440
971153	35	45	39	10	10	7.35%	640
971154	22	20	26	10	4	5.78%	125
971155	12	25	17	10	<3	4.15%	95
971156	3	80	13	5	6	2.13%	35
971157	24	85	18	10	6	3.71%	90
971158	69	<5	42	10	<3	7.59%	300
971159	62	<5	51	10	<3	10.5%	480
971160	56	30	71	20	<3	7.48%	1400
971161	40	30	82	5	<3	4.76%	800
971162	16	25	83	10	<3	4.57%	920
971163	42	25	71	<5	<3	4.24%	740
971164	41	30	86	10	<3	4.54%	860
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	2	5	2	5	3	100	5
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

amdel

Job: 6AD2571
O/N:

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dpl	Ni
971109	0.3	--	16
971110	0.2	--	14
971111	0.4	--	16
971112	1.0	--	65
971113	0.3	--	38
971114	<0.1	--	38
971115	0.4	--	19
971116	0.5	--	19
971117	0.3	--	14
971118	0.2	--	12
971119	<0.1	--	13
971120	<0.1	--	11
971121	<0.1	--	12
971122	<0.1	0.3	15
971123	0.1	--	19
971124	<0.1	--	15
971125	0.3	--	11
971126	0.7	--	28
971127	0.5	--	32
971128	0.7	--	39
971129	0.8	--	24
971130	<0.1	--	15
971131	0.2	--	26
971132	<0.1	0.2	36
971133	0.1	--	26
971134	0.4	0.8	27
971135	0.2	--	18
971136	0.3	--	17
971137	<0.1	--	15
971138	<0.1	--	46
971139	<0.1	--	51
971140	0.1	--	33
971141	0.2	--	30
971142	0.7	--	25
971143	1.1	--	7
971144	0.5	--	9
971145	0.3	--	15
971146	0.3	--	24
971147	0.5	--	38
971148	0.5	--	31
971149	<0.1	--	24
971150	0.5	--	26
UNITS	ppb	ppb	ppm
DET.LIM	0.1	0.1	2
SCHEME	FA3M	FA3M	IC3E

amdel

Job: 6AD2571
O/N:

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dpl	Ni
971151	0.3	--	31
971152	0.8	--	23
971153	0.5	--	24
971154	0.6	--	17
971155	0.4	--	10
971156	0.2	--	6
971157	0.2	0.2	11
971158	0.2	--	41
971159	0.2	--	44
971160	0.6	--	94
971161	0.2	--	42
971162	0.3	--	41
971163	0.1	--	35
971164	0.3	--	45
UNITS	ppb	ppb	ppm
DET.LIM	0.1	0.1	2
SCHEME	FA3M	FA3M	IC3E

APPENDIX 3

AAPA Authority Certificate

FILE : DESERT BORE ABORIGINAL

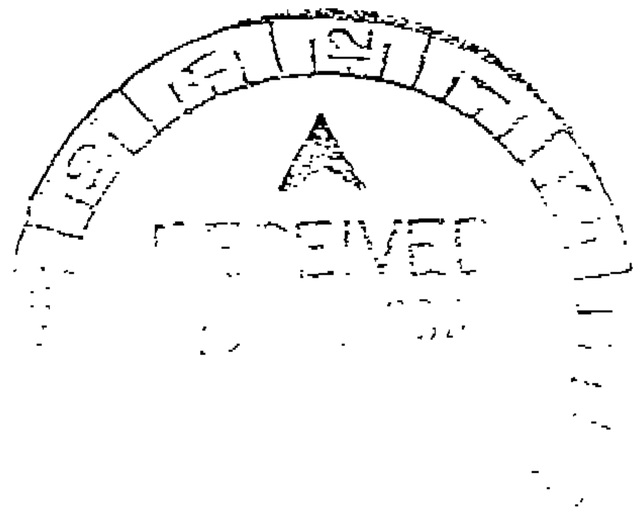
CGD

ABORIGINAL AREAS PROTECTION AUTHORITY

GPO BOX 1890
DARWIN NT 0801
TELEPHONE: (089) 81 4700
FACSIMILE: (089) 81 4169

FILE: D89/199; 89/1916 *In reply please quote*: 18322

9 April, 1996



Aberfoyle Resources Limited
Level 31 South
525 Collins Street
MELBOURNE VIC 3000

ATTENTION: Ken Dyball

Dear Sir,

RE: ISSUE OF AUTHORITY CERTIFICATE FOR ABERFOYLE RESOURCE LIMITED (EL 9146), AILERON AREA.

I refer to your application for an Authority Certificate, received on the 31 January 1996, for the above location.

Accordingly, under the powers delegated to me under Section 19 of the *Aboriginal Sacred Sites Act 1989* I am pleased to issue the attached Authority Certificate.

Please note carefully any conditions outlined in the Certificate. If you have any queries regarding the above, please do not hesitate to contact Mr. Michael Pickering on 52 6366.

Yours sincerely

DAVID RITCHIE
Chief Executive Officer

Enc.

ABORIGINAL AREAS PROTECTION AUTHORITY
AUTHORITY CERTIFICATE

Issued in accordance with Section 22 of the Aboriginal Sacred Sites Act

REFERENCE: D89/199; 89/1916 (Doc No. 18322) C96/057

APPLYING TO: Aberfoyle Resource Limited (EL 9146), Aileron Area

PROPOSED WORK OR USE: Track clearing for access, surface geochemical soil sampling, RAB/vacuum drilling, surface geophysical surveys and percussion/diamond drilling with a view to discovery of a mineable resource.

ISSUED TO: Aberfoyle Resources Limited
Level 31 South
525 Collins Street
MELBOURNE VIC 3000

CONDITIONS:

1. It is the responsibility of the recipient of this Certificate to:

   (i) Include the conditions of this Certificate in any subsequent contract or tender document commissioning works described in this Certificate and,

   (ii) Otherwise inform agents and employees of the conditions of this Certificate and obligations under the Aboriginal Sacred Sites (N.T.) Act 1989

2. The proposed use or works covered by this Certificate must commence within 24 months of the date of issue.

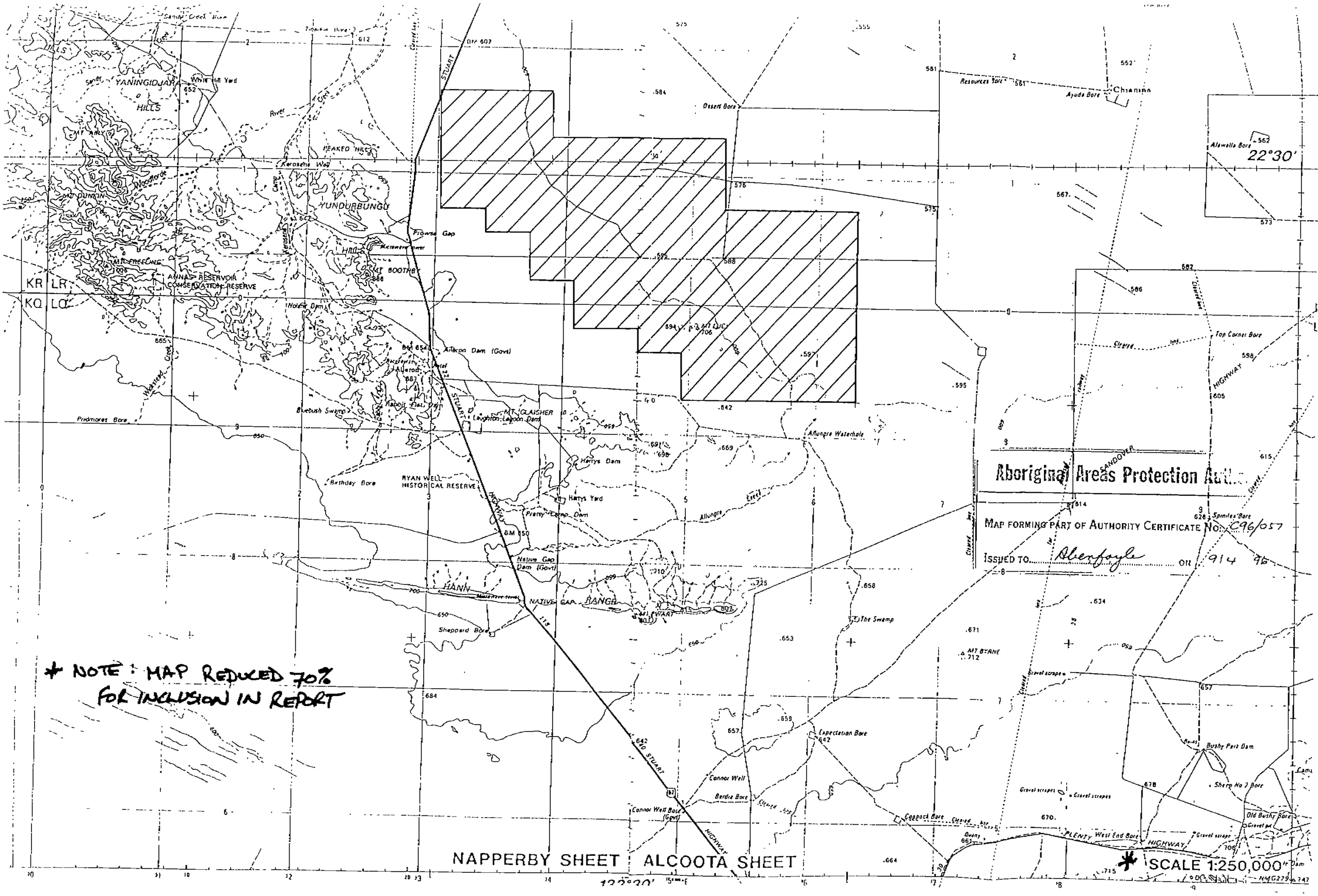
3. The information on the map relates specifically to the area of the Certificate as marked and the fact that no sites are shown in other areas should not be taken as a definitive indication of the existence or lack of existence of sites in these areas.

4. The map attached to the Certificate forms part of the Certificate.

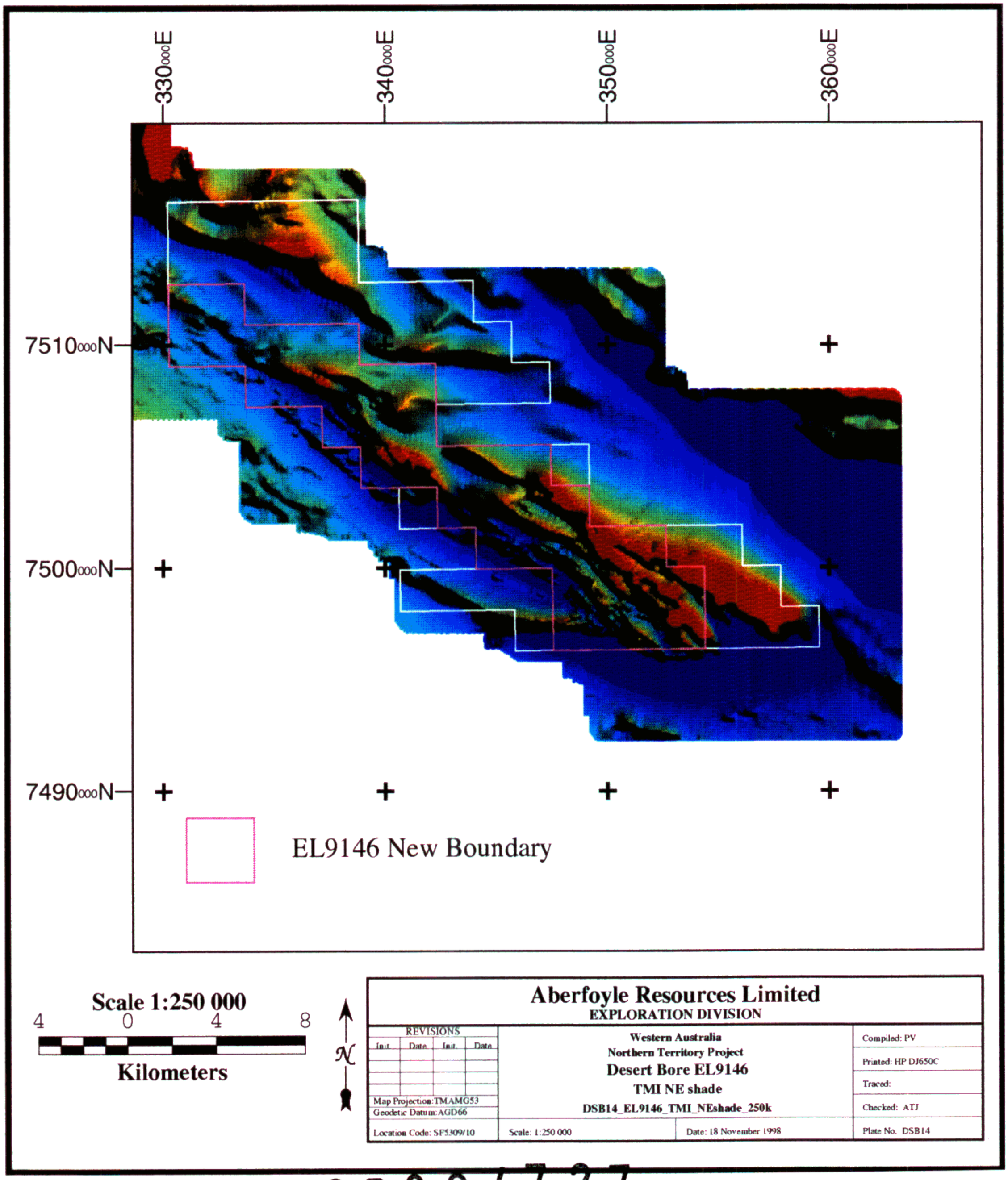
The COMMON SEAL of the
ABORIGINAL AREAS PROTECTION AUTHORITY
was hereto affixed on the 9th day
of April 1996

DAVID RITCHIE
Chief Executive Officer

COMMON SEAL

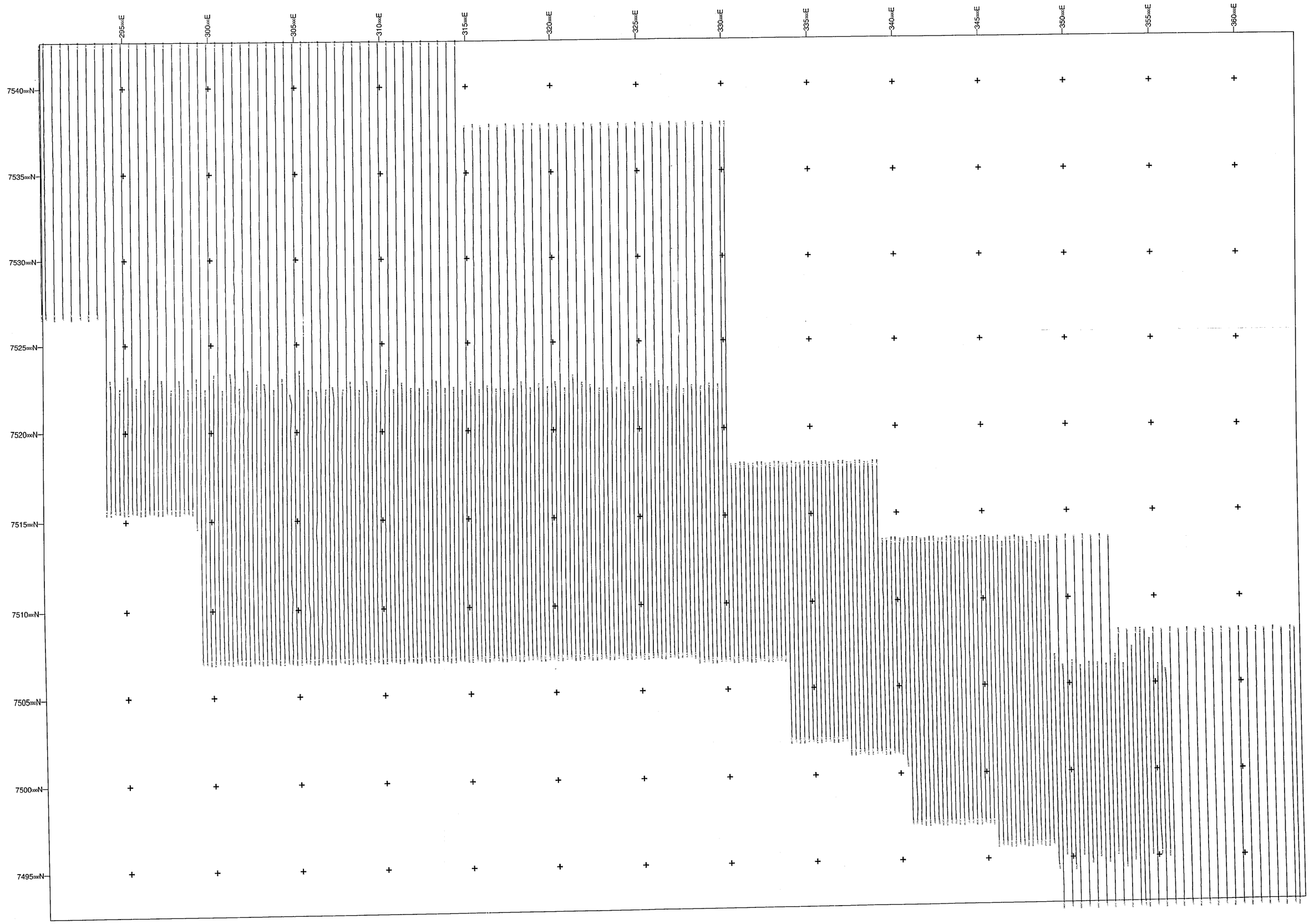


* NOTE: MAP REDUCED 70% FOR INCLUSION IN REPORT



CR98/727

Figure 2



ABERFOYLE RESOURCES LIMITED

EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

Map Projection:TMAMG53

Geodetic Datum:AGD84

Location Code:

Northern Territory

Desert Bore - Tiharkie Bore

Ti-Tree Block

Flight Line Map

dbtb_tmi_flines_med5x5_100k

Scale: 1:100 000

Date: 15/01/97

Compiled: ADT

Printed: DJ750

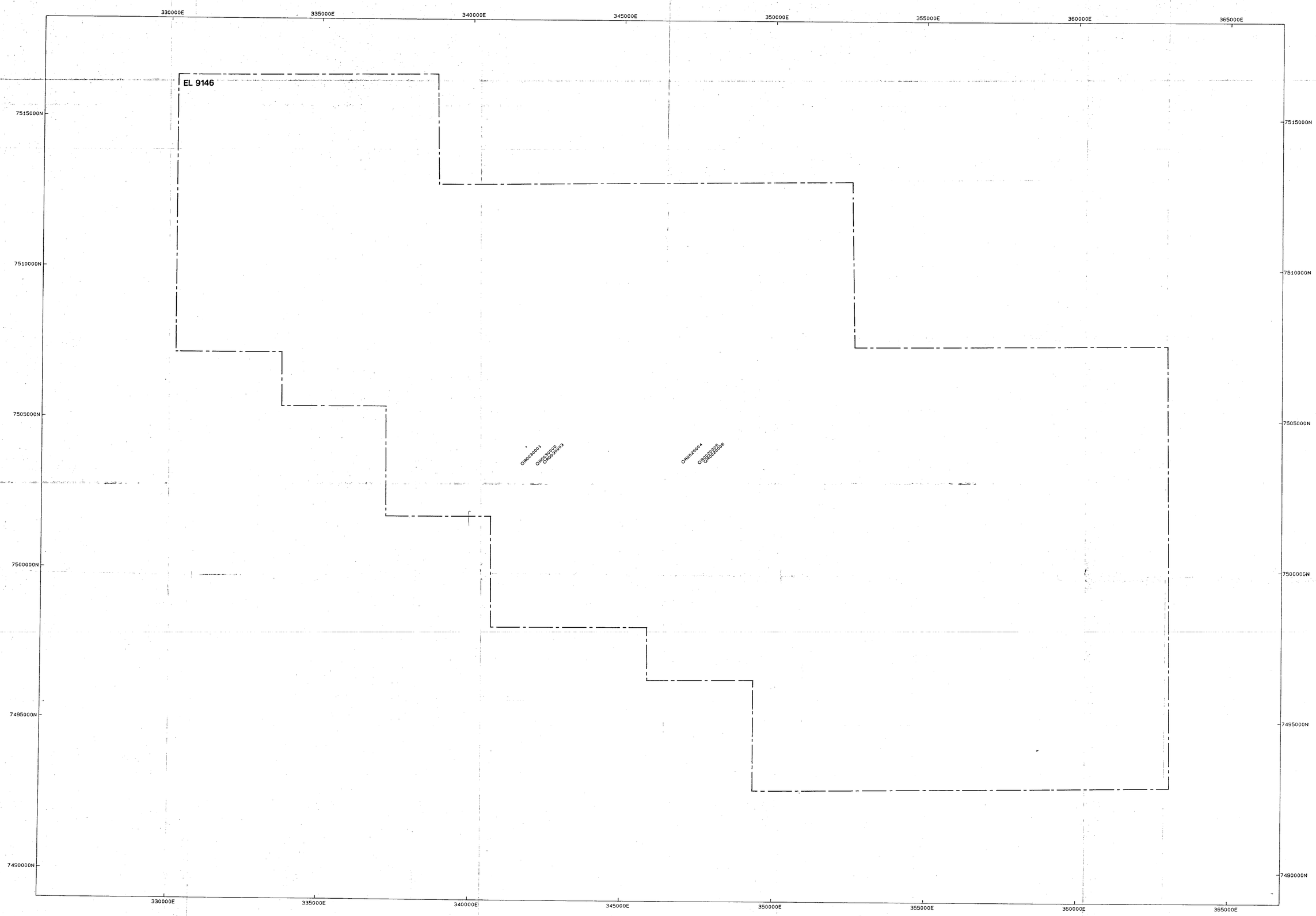
Traced:

Checked:

Plate No: DSB 12

CR98/727

Figure 3



CR98/727

SCALE 1: 50,000

Kms 1 0 1 2 3 4 5 Kms

AMG NORTH

MAG NORTH

4°

Aberfoyle Resources Limited

EXPLORATION DIVISION

REVISIONS			
Inst.	Date	Inst.	Date

TANAMI GOLD PROJECT - NT

EL 9146 - DESERT BORE

Drill Hole Location Plan

Collar coordinates by GPS

Location Code: SF53/2.1 | Scale: 1: 50000 | Date: 9/09/95

Compiled: SLMH

Drawn:

Traced:

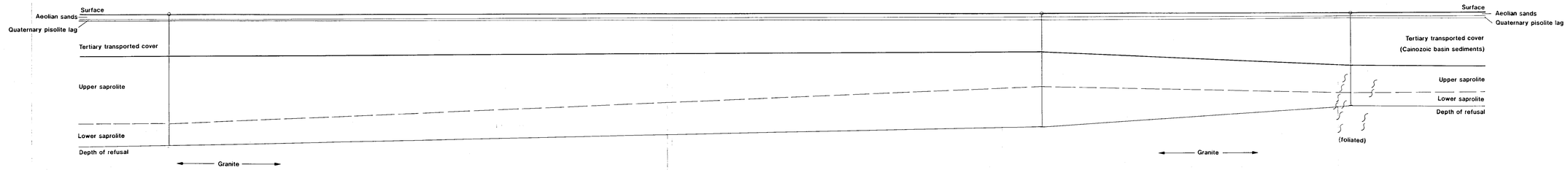
Checked:

Figure 4

346800E 346900E 347000E 347100E 347200E 347300E 347400E 347500E 347600E 347700E 347800E

GEOLOGICAL LOGS

GEOLOGICAL INTERPRETATION



RAB GEOCHEMISTRY
As/Au

Au - ppb
As - ppm

RAB GEOCHEMISTRY
Zn/Cu

Zn - ppm
Cu - ppm

RAB GEOCHEMISTRY
Ni/Pb

Ni - ppm
Pb - ppm

RAB GEOCHEMISTRY
Mn/Fe

Mn - ppm
Fe - %

346800E 346900E 347000E 347100E 347200E 347300E 347400E 347500E 347600E 347700E 347800E

CR98/727

Aberfoyle Resources Limited
EXPLORATION DIVISION

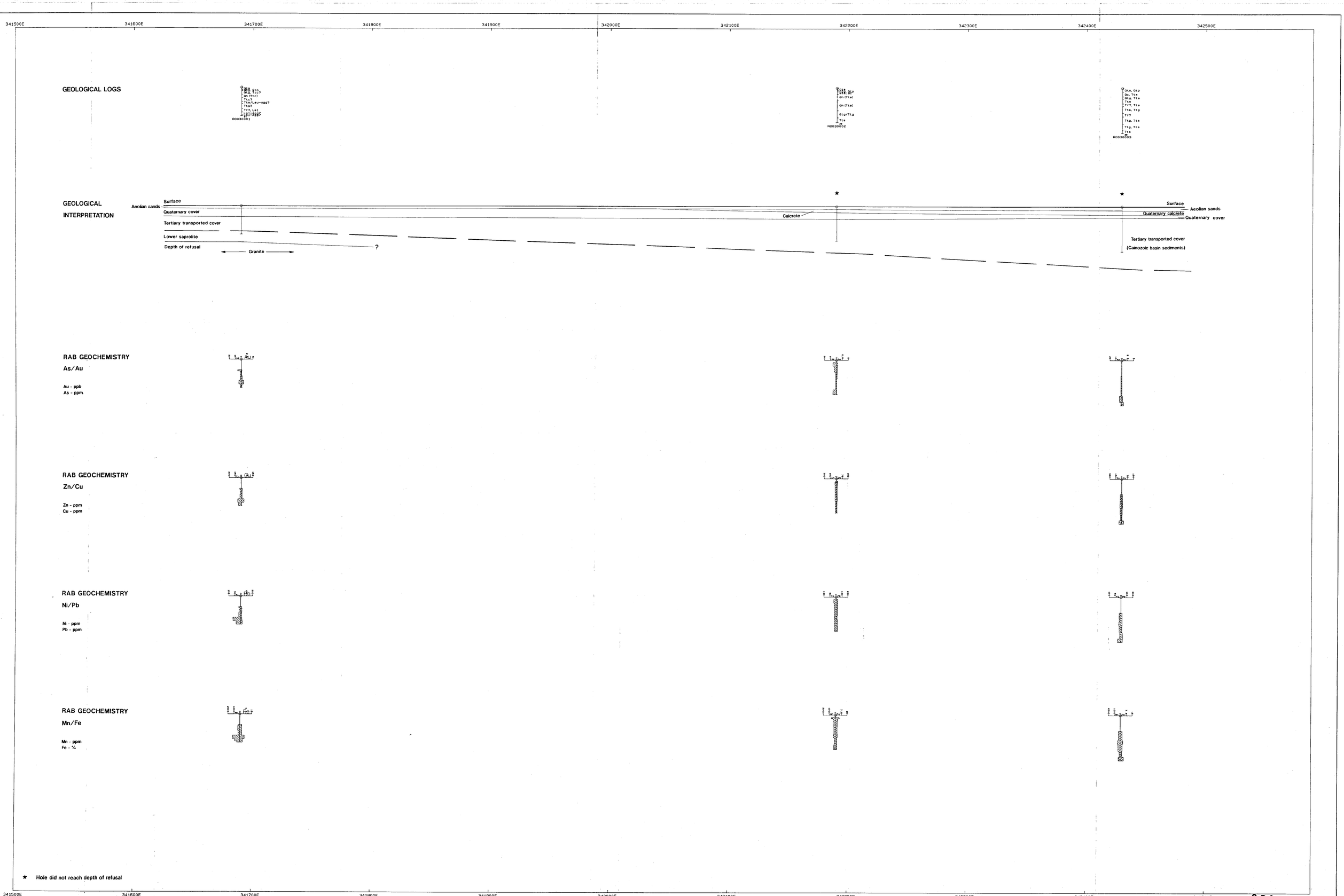
REVISIONS				
Drn.	Date	Drn.	Date	

TANAMI GOLD PROJECT - NT
EL 9146 - DESERT BORE
Line 2 RAB
Geology and Geochemistry

Location Code: 53/8.10 | Scale: 1 : 1000 | Date: 9/09/96

Compiled: ELMM
Drawn:
Traced:
Checked:

Figure 5



CR98/727

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

TANAMI GOLD PROJECT - NT
EL 9146 - DESERT BORE
Line 3 RAB
Geology and Geochemistry

Location Geo: 53/B.10 | Scale: 1 : 1000 | Date: 10/09/96

Compiled: SLHH
Drawn:
Traced:
Checked:

Figure 6