ACACIA RESOURCES LTD

EXPLORATION LICENCE 9137 - EAST BONROOK

RELINQUISHED AREA REPORT FOR THE PERIOD 5TH JUNE 1995 TO 4TH JUNE 1999

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Report No: 08.10420

Date: September 1999

Copy No: 1

1:100 000 Pine Creek 5270
1:250 000 Pine Creek SD52-8

Distribution:

1 NT Department of Mines & Energy
2 Nullarbor Holdings Limited (Sydney)
3 Acacia Resources (Darwin)
4 Acacia Resources (Melbourne)
5 Acacia Resources (Field)

SUMMARY

Exploration Licence (EL) 9137, in the Pine Creek area, NT, is being explored by Acacia Resources Limited (Title Holders), under a joint venture agreement signed in December 1994 between Solomon Pacific Resources NL and Nullarbor Holdings Limited. Following the successful acquisition of Solomon Pacific Resources in June 1996, Acacia assumed the interests of Solomon Pacific Resources within EL 9137 and has now earnt a 79.99% interest in the tenement.

EL 9137 is included in the Bonrook Project along with five other leases. Exploration within EL 9137 is carried out in conjunction with work in these tenements. A relinquishment of one (1) block was made on 4th May 1999. This report details the exploration completed in the relinquished area between 5th June 1995 and 4th June 1999. The work completed is summarised below:

- 2 line km of gridding and 86 soil samples
- 1:25 000 aerial photography and digital elevation modelling
- Regional gravity survey
- Regional geophysical data compilation and intrepretation.
- Compilation and review of all data within the Bonrook J.V. area, which includes EL 9137.

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1 INTRODUCTION

Exploration Licence (EL) 9137 is being explored by Acacia Resources Limited under a joint venture agreement with Nullarbor Holdings Limited. The tenement is located approximately 20 km south-southeast of the Union Reefs Gold Mine, and approximately 8 km southeast of the Pine Creek township. Acacia Resources Limited (Acacia) is exploring the East Bonrook tenement with the aim of defining economic gold mineralisation that could become mill feed for the Union Reefs Gold Mine. An area reduction of one (1) block was made on 4th May 1999 and this report details all exploration work carried out within the relinquished area for the period ending 4th June 1999.

2 TENEMENT STATUS

EL 9137, comprising 2 graticular blocks, was granted to Acacia on 5th June 1995 for a period of 6 years. The licence was added to the Bonrook Joint Venture under an agreement between Acacia, Nullarbor Holdings Limited and Solomon Pacific Resources (Solpac) signed on the 23rd November 1994, with Acacia Resources as manager.

Through Acacia's take-over of Solpac on 24th June 1996, Acacia assumed Solpac's interest in EL 9137. Current interests in the tenement stand at Acacia 79.99% and Nullarbor Holdings 20.01%.

A reduction of one block was made on the 4th May, 1999. The western block of the licence was relinquished. The blocks relinquished and retained are detailed below:

Block Relinquished: Map No. 14/6-11 Pine Creek No. 34/62
Block Retained: Map No.14/6-11 Pine Creek No. 35/62

Recent exploration in the lease was covered by AAPA certificate C98/149, which expires on 18th December 2000.

3 LOCATION AND ACCESS

The centre of EL 9137 is located approximately 8 km SE of the township of Pine Creek in the Northern Territory, (Figure 1). The licence area can be accessed from the Stuart Highway via the old "Wandie Track" from the airstrip turnoff on the outskirts of Pine Creek, then by following the Wandie Track eastwards from Pine Creek for some 4km and turning south along the gas pipeline. Alternate access to the tenement can be achieved via tracks leading north from the Bonrook Station Homestead, which is well signposted along the Stuart Highway south of Pine Creek.

The licence area falls entirely within Bonrook Station and keys for locked gates along the Wandie Track must be sought from the station manager's residence.

4 REGIONAL GEOLOGY

EL 9137 is located south of Pine Creek township in the central part of the Pine Creek Geosyncline (Figure 2). The geosyncline contains Early Proterozoic metasedimentary rocks overlying a gneissic and granitic Archaean basement. The metasediments represent a preserved basinal sequence up to 14km in thickness (Needham et al., 1980) which was tightly folded and metamorphosed to greenschist facies, and in some places' amphibolite facies, between 1890 to 1870 Ma (Ferguson, 1980)

The geosynclinal sequence is intruded by transitional igneous rocks including, predeformational dolerite lopoliths and dykes and post deformational granites. Largely undeformed platform cover, comprising Middle and Late Proterozoic, Cambro-Ordovician and Mesozoic strata, unconformably overlie the older rocks.

EL 9137 lies in the southern part of a narrow corridor of metasediments, assigned to Burrell Creek Formation (Stuart-Smith, 1987), between two lobes of the Cullen Batholith. This corridor contains both the Union Reefs and Pine Creek gold mines, as well as numerous small historic prospects and deposits.

5 LOCAL GEOLOGY

EL 9137 contains rocks of Burrell Creek (Pfb) and Mt Bonnie (Pso) Formation which have been intruded by the Bonrook (Pgcb), Allamber Springs (Pgca) and undifferentiated (Pgc) granites (Figure 2). Swarms of quartz and quartz-breccia veins are present along the northern and western margins of these plutons, with minor hornfelsing apparent around the veins. A distinct conglomerate horizon exists within the Burrell Creek Formation in the central portion of the tenement, near the margin of the Allamber Springs Granite.

Most of the tenement has moderate to thin soil cover, and in the southeastern portion Quaternary alluvium (Qa) and deep humic soils (Qf) occur in low lying areas and along drainage channels.

There are no known gold workings within the tenement, although there is a nearby tin prospect to the northwest of Bonrook Station, to the west of the tenement.

6 WORK COMPLETED FOR PERIOD 5th JUNE 1995 TO 4TH JUNE 1999

6.1 Work Completed For Period Ending 4th June 1996

6.1.1 Review and Compilation of Previous Explorers

Several companies have held tenure over the exploration licence, including Greater Consultancies and Nullarbor Holdings/Solomon Pacific Resources.

In 1988 exploration licence 6255 covered the entirety of the current EL 9137, was granted to the Greater Consultancies Pty Ltd for six years. The licence was cancelled by the NTDME in June 1992. Work completed included detailed interpretation of Aerodata airborne magnetics, ground magnetics, airphoto lineament studies, mapping and rockchip sampling. These studies defined a series of magnetic lineaments and regional lineaments and airphoto lineaments trending north - west - south to east through the current EL 9137. In particular two magnetic lineaments (mafic dykes) interpreted by Greater Consultancies exist within the north-western portion of the licence area.

The current licence EL 9137 previously formed part of EL 7893 held by Nullarbor Holdings Ltd in joint venture with Solomon Pacific Resouces NL. Under this tenure Eupene Exploration enterprises were contracted to carry out an extensive literature review of the licence. Compilation of mapping, rock chip sampling and remote sensing interpretations from the previous explorers has defined an area with coincident geochemical anomalism and magnetic and regional lineations. This area was defined as a high priority target for exploration within the tenement.

6.1.2 Gridding and Soil Sampling

A total of one (1) line kilometre of crossline gridding was completed from a surveyed baseline constructed through the adjacent licence during the year. The surveyed grid baseline is orientated at 324° magnetic. The 200m spaced crosslines were marked with 50 spaced galvanised iron fence droppers.

A total of 40 soil samples were collected by either hoe pick or power auger from the gridded area. Samples weighing 1.5 to 2kg's were collected every 25m along the crosslines from the B_2/C horizon and sieved to –5mm.

The samples were analysed by Assaycorp in Pine Creek for low level Au by 50g fire assay and Cu, Pb, Zn and As by AAS. Results from the sampling were mostly below detection. Sample locations and Au results are shown in Figures 3 and 4 respectively. Soil sample ledgers and analyses are included in Appendix 1.

6.2 Work Completed For Period Ending 4th June 1997

6.2.1 Geological Reconnaissance

Several days of geological reconnaissance of the Bonrook East lease was completed during the reporting period.

6.2.2 Aerial Photography/Digital Elevation Modelling

Airesearch Mapping was contracted to fly a 1:25,000 scale colour aerial photography survey over Acacia's Pine Creek tenements late in 1996, including EL 9137. In-house processing of the aerial photography included scanning the photographs, producing a digital copy and incorporating the digital data into Acacia's GIS database.

Digital Elevation Models (DEM) were created from digital data acquired from ABAKOS in Brisbane. ABAKOS scanned 1:50,000 topographic maps and vectorised the contours to produce a digital database.

6.2.3 Regional Gravity Survey

A regional gravity survey was conducted during 1997 incorporating Acacia's Pine Creek tenements, including EL9137. The survey provided more detailed data than the regional AGSO gravity surveys and was conducted as part of two Honours theses (University of Tasmania) aimed at modelling the depth to granite intrusions and their spatial relationship with mineralisation, in the Pine Creek area (Figure 5).

Station spacing for the survey was about ~500m spaced stations and a Worden gravity meter was used with a differential GPS providing accurate locations and heights for the subsequent data reductions. Two stations were within the relinquished portion of EL 9137. Reference locations and station data are included in Appendix 2.

Hungerford Geophysical Consultants reviewed the results of the theses and the survey with the following conclusions:

- The sediments to the west of the centre of the Pine Creek Geosyncline have a higher density than those on the eastern side. This can be attributed to either a thicker metasedimentary sequence on the western side or higher density rocks, possibly Mt Bonnie Formation (and not Burrell Creek Formation).
- A correlation between a shallower depth to granite basement and mineralisation was suggested.

6.3 Work Completed For Period Ending 4th June 1998

6.3.1 Gridding

A total of one (1) line kilometre of gridding was emplaced as preparation for soil sampling, with galvanised steel droppers placed at 50m centres along lines 200m apart. Figure 3 shows the extent of the soil sampling coverage, which is identical to the gridding.

6.3.2 Soil Sampling

A total of forty six (46) soil samples were collected during the reporting period as part of a programme designed to infill and extend earlier soil sampling coverage. Samples weighing 3 to 4 kg's were collected at 25m intervals along lines 200m apart utilising a Toyota mounted auger rig. The samples were taken from the interface between the B and C horizons to maximise the likely physical and chemical dispersion halo around potential gold mineralisation.

The samples were despatched to Assaycorp in Pine Creek where they were crushed and pulverised to 90% passing 100µm, and a 50g charge analysed for gold to 1ppb by fire assay. Some samples were also analysed for As, Cu, Pb and Zn in ppm by aqua regia determination. Several standards were included with the original soil samples.

Results from the sampling were mostly below detection, with a peak value of 23ppb Au. Sample locations and Au results are shown in Figures 3 and 4 respectively. Soil sample ledgers and analyses are included in Appendix 1.

6.4 Work Completed For Period Ending 4th June 1999

The area incorporated by EL 9137 has been included in regional geophysical data compilation of Acacia's Pine Creek tenement holdings. This work included the following:

Hungerford Geophysical Consultants merged and leveled the multiple aeromagnetic and radiometric data sets that Acacia has acquired to allow easier comparison of the images across the boundaries of the different surveys. Revised reduced to the pole and first vertical derivative plots were produced after following processing was applied to merge the detailed aeromagnetic and multiclient datasets:

- Regrid all surveys to 15m grid cell size.
- Add 47210nT to the UTS grid (if required)
- Boolean join of the multiclient and UTS grids
- Smooth the merged grid with a 3 x Hanning filter

A compilation and review of all data within the Bonrook J.V. area, which includes EL 9137, was completed. The data compiled, included all mapping, auger and spot soils, rockchips, costeans, and geophysical surveys (Martin et al., 1999).

7 ENVIRONMENTAL

All exploration within the lease has been conducted so as to minimise any environmental disturbance. Auger holes were backfilled at the time of completion and grid pegs wil be removed from the relinquished area. An environmental ledger is included in Appendix 3.

8 EXPENDITURE FOR PERIOD 5th JUNE 1995 TO 4TH JUNE 1999

Total estimated expenditure for the relinquished portion of the lease for period ending 4th June 1999 is $18 340. A breakdown of the estimated expenditure for each reporting year is given below:

Reporting Year	**Expenditure**
Year Ending 4th June1996	$4 174
Year Ending 4th June1997	$5 715
Year Ending 4th June1998	$7 490
Year Ending 4th June1998	$ 961
Total	**$18 340**

9 REFERENCES

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NEEDHAM RS, CRICK IH, & STUART-SMITH PG, 1980. Regional geology of the Pine Creek Geosyncline. In FERGUSON J, & GOLBY AB, (Editors) - URANIUM IN THE PINE CREEK GEOSYNCLINE. International Atomic Energy Agency, Vienna, 1-22.

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SPURWAY C., 1996. Exploration Licence 9137 - East Bonrook, First Annual Report for the Year Ended 4th, June 1996. Unpublished Report for the NTDME. Report Number 08.7976.

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MARTIN, N. 1998. Exploration Licence 9137 - East Bonrook, Third Annual Report for the Year Ended 4th, June 1998. Unpublished Report for the NTDME. Report Number 08.9631.

WITHAM W.J.A., Exploration Licence Number 6255, Bonrook, Annual report for the ending 16th November, 1990

HAM J. Exploration Licence 9137 - East Bonrook, Fourth Annual Report for the Year Ended 4th, June 1998. Unpublished Report for the NTDME. Report Number 08.10407.

Acacia Exploration
Geological Logging Codes

RETURN (RTN)

%	Of Return

WATER (H2O)

D	Dry
M	Moist
W	Wet
B	Blowndry
I	Injected

HARDNESS

H	Very Hard
H	Hard
M	Medium
S	Soft
S	Very Soft

COLOUR (COLOUR)

Qualifier

DK	Dark
LT	Light
BE	Beige
BG	Blue/green
BK	Black
BL	Blue
BN	Brown
CM	Cream
GN	Green
GY	Grey
KK	Khaki
MS	Mustard
OG	Orange
PI	Pink
PP	Purple
RD	Red
TN	Tan
WH	White
YE	Yellow

e.g. BNGN, LTBN

TEXTURE (Text)

Qualifier

ST	Strong
MD	Moderate
WK	Weak

Sedimentary

IB	Interbedded
LM	Laminated
LY	Layered

TEXTURE Ctd. (TEXT)

Metamorphic

CR	Crenulated
MY	Mylonitic
PB	Porphroblastic
SC	Schistose
SP	Spotted

Igneous

AC	Acicular
AM	Amygdaloidal
AN	Aphanitic
EQ	Equigranular
PO	Porphyritic
PW	Pillows

Structural

BO	Boxwork
BX	Brecciated
FD	Folded
FO	Foliated
FR	Fractured
LI	Lineated
RO	Rodded
SH	Sheared
SL	Slickenslides

Others

CX	Crystalline
CO	Competant
FB	Fibrous
GO	Gossanous
MS	Massive
PT	Platy
PS	Porous
SA	Saccaroidal
SB	Solution Bands

GRAINSIZE (GN_SZ)

FN	Fine - not visible to naked eye
MD	Medium - visible to naked eye
CS	Coarse - >2mm

NB. Hyphenate for two rock types in one interval
ie. Shale/ greywacke - FN/MD
Otherwise only one code per rocktype

WEATH (Weathering) (WTH)

EW	Extremely weathered with poor textural preservation
HW	Highly weathered with moderate textural preservation
MW	Moderately weathered with good textural preservation
SW	Slightly weathered with < 20% oxides
FR	Fresh Bedrock

REGOLITH (REGO)

TR	Transported
TL	Laterite
US	Upper Saprolite
RX	Redox Front
LS	Lower Saprolite
WB	Weathered Bedrock
BR	Bedrock (fresh)
SA	Saprolite (undifferentiated)

Overprints

MT	Mottling
CT	Calcrete
ST	Silcrete
FT	Ferricrete
GT	Goethite
HM	Haematite

e.g. USMT, USGT

ROCKTYPE (MAJ, MIN1, MIN2)

Sedimentary

AG	Agglomerate
BX	Breccia
BIF	Banded Iron Form
CG	Conglomerate
CH	Chert
DO	Dolomite
EE	Epiclastic
CB	Carbonate
CSH	Carbonaceous Shale
CSI	Carbonaceous Siltstone
GS	Graphitic Shale
GW	Greywacke (>15%matrix)
HS	Haematitic Shale
LM	Limestone
SH	Shale
SI	Siltstone
SS	Sandstone
TF	Tuff

Igneous

VA	Acid Volcanic
VB	Basic Volcanic
VI	Intermediate Volcanic
EB	Basalt
DL	Dolerite
GB	Gabbro
FI	Felsic Intrusive (undiff)
MI	Mafic Intrusive (undiff)
GR	Granite (undiff)
PG	Pegmatite
PO	Porphyry
AP	Aplite
GRA	Alkali Granite
GRD	Granodiorite

Metamorphic

AM	Amphibolite
BMS	Biotite Mica Schist
GN	Gneiss
HF	Hornfels
PH	Phyllite
QC	Quartz Carbonate

ROCKTYPE Ctd. (MAJ, MIN1, MIN2)

Metamorphic Ctd

QMS	Quartz Mica Schist
QT	Quartzite
SC	Schist
SL	Slate
SSM	Metasediment

Other

CL	Clay
GV	Gravel
GO	Gossan
IS	Ironstone
QV	Massive Quartz Vein
MK	Mullock
PI	Pisolitic Gravel
SD	Sand

ALT TYPE (ALTER)

AB	Albite
AD	Andalusite
AM	Amphibole
AT	Altered (undiff)
BI	Biotite
BL	Bleaching (cb-si)
CB	Carbonate
CH	Chlorite
CL	Clay
CW	Clay Weathering
EP	Epidote
FE	Iron
FL	Fluorine
GP	Graphite
GA	Garnet
GT	Goethite
GN	Green Alteration
HM	Haematite
KA	Kaolinite
KY	Kyanite
LI	Limonite
KS	K-Feldspar
MI	Mica
MN	Manganese
MT	Magnetite
MU	Muscovite
PH	Phlogopite
PL	Plagioclase
PY	Pyrite
SE	Sericite
SI	Silica
SR	Siderite
TC	Talc
TE	Tremolite
TM	Tourmaline
ZE	Zeolite

Acacia Exploration
Geological Logging Codes Ctd.

ALT QUAL
(QUAL)

Qualifier

- WK Weak
- MD Moderate
- ST Strong
- IN Intense

- M Disseminated
- V Pervasive
- PT Patchy
- SV Selvedge
- N Vein

g. STDM, MRSV

VEIN TYPE
(VN_TYPE)

- CB Carbonate
- CH Chert
- Z Quartz
- Y Pyrite

VEIN STYLE
(VN_STYLE)

- BK Buck
- BX Breccia
- B Comb
- H Chalcedonic
- B Fibrous
- MI Milky
- RB Ribbon
- A Saccharoidal
- Stringer
- SM Smoky
- TR Translucent
- Laminated
- Stock Work

NB: (i) For other veins use appropriate code e g PY, AS

(ii) % veining must be expressed as a numeric e g 0 5,1, 5 etc.

MINERALISATION
(OTHERSULPH, OTHER MIN)

- AS Arsenopyrite
- AZ Azurite
- AU Gold
- BI Biotite
- BO Bornite
- CB Carbonate (undiff)
- CC Chalcocite
- CN Native Copper
- CP Chalcopyrite
- CU Cuprite
- CV Covellite
- GA Galena
- GR Garnet
- GT Goethite
- HM Haematite
- MA Malachite
- MF Fine Black Mineral
- MN Manganese
- PO Pyrrhotite
- PY Pyrite
- SP Sphalerite

NB: Mineral content must be expressed as a numeric e g. 0 5, 1, 5 etc

STRUCTURAL DEFECTS (Geotech)

- BE Bedding
- CG Cleavage
- DK Dyke
- FA Fold Axis
- FH Fold Hinge
- FT Fault
- JO Joint
- FR Fractured Zone
- FG Fragmented Zone
- LI Lineation
- SC Schistosity
- SH Shear Zone
- VS Vein Stockwork
- VN Vein
- FV Fractured Vein
- VB Brecciated Vein
- BK Broken Zone

ROCK STRENGTH (Geotech)

- VW Very Weak
- W Weak
- M Medium Strong
- S Strong
- VS Very Strong

ROUGHNESS (Geotech)

- K Slickenslided
- P Polished
- S Smooth
- R Rough

BROKEN ZONE (Geotech)

- N Natural
- H Heated
- D Drill Induced

FRACTURING (Geotech)

- WF Weak, core pieces 1m-200m
- MF Mod. core pieces 10-20cm
- SF Strong, core pieces 5-10cm
- BK Broken core, 25 cm pieces

SHAPE (Geotech)

- P Planar
- U Undulating
- S Stepped

Logging Notes:

(1) Only **one** logging code to be entered per field (excluding qualifiers and <u>two</u> colours where necessary).

(2) **No new codes** to be entered without notification and approval.

(3) **No backslashes, commas, hyphens** etc. to be used in any field except Comments.

(4) Quartz Veining and Mineral content must be expressed as a **numeral** (<u>not</u> Trace, Tr etc)

(5) Hole Numbers must be entered correctly using the appropriate prefix and **four** digit number.

(6) All geological logs **must** be validated prior to entry onto Access Dbase.

Year	Tas Uni station no	AMG E	AMG N + 8,000,000	Elevation (m)	Obs Grav	Theor.grav	Terrain correction	2.67 B.A	Location
1997	49.2402	812281.3	8, 466,467.4	177.38	978.308999	978.327914	0	16	Pine Creek
1997	49.2403	812415.7	8, 466,034.3	178.26	978.308719	978.328077	0	15.73	Pine Creek

TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER
LAND STATUS RECORD

Project: Bonrook Project

Tenement Name: East Bonrook **Loc. Code:** HK93

Tenement No's: EL 9137

Registered Holder(s): Acacia Resources P/L

Date Granted: 5 June 1995 **Term:** 6 years **Area:** Pine Creek 14/6-II

Bond/Security: N/A

JV Partners (if any): Nullarbor Holdings Limited

Land Classification: **(Crown, Private, Lease)**

Land Holder/Occupier: Foundation Franz Webber **Station:** Bonrook Station

Address: Bonrook Station, Pine Creek **Phone:**

Contacted By: E. Wakefield **Date:** 28 March 1995

Pastoral Notes: **(Stock, Cultivation, Access, Rainfall)**

Horse Stud
Some tourism activities.

Environmental Notes: **(Flora/Fauna, Erosion, Bushfires, Flooding)**

Sclerophyll forest subject to limited burnoffs during dry season and localised flooding during wet season.

Groundwater: **(Bores/Wells/Dams, streams, drainage, test data)**

Localised water courses only.

Aboriginal Notes: **(Sacred Sites, Cultural)**

AAPA certificate number 97/137. No sites recorded. AAPA certificate number C98/149 epires 18/12/2000.

Historic Relics: **(Mine Workings, Equipment, Homesteads etc.)**

NA

Previous Activity: **(Mining, Exploration, Forestry, etc.)**

No significant exploration activities prior to 1995.

TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER
PRE-EXISTING ENVIRONMENTAL DISTURBANCE RECORD

Tenement Name:	East Bonrook	**No(s):** EL 9137
Exploration Activity Area:	NA	
Shafts/Pits/Dumps:	NA	
Track/Access:	Via station tracks.	
Line Clearing:	NA	
Costeaning:	NA	
Drill Sites:	NA	
Other:	**NA**	

Location Data:	1:250,000 map sheet	SD52-08	Pine Creek
	1:100,000 map sheet	5270	Pine Creek
	Other Ref:		

Compiled by: Neil Martin **Date:** July 1998

TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER
ACACIA ENVIRONMENTAL IMPACT RECORD

Tenement Name:	East Bonrook	**No (s):**	EL 9137
Report Ref No's:	Company Annual Report Nos - 08.7976, 08.8784, 08.9631, 08.10407		
Exploration Activities:	Aerial photographic survey 1996		
Grids & Traverses:	1 line km of regional grid lines 1996/97 (steel droppers @ 50m centres) 1 line km infill gridding 1997/98 (steel droppers @ 50m centres)		
Soil Sampling:	40 soil auger samples 1995/96 66 soil auger samples 1997/98		
Costeans / Pits:	NA		
Drilling:	NA		
Drill Traverses:	NA		
Drill Pads:	NA		
Ground Geophysics:	NA		
Access Tracks:	NA		
Camps:	NA		
Other:	NA		
Compiled by:	Jane Ham	**Date:**	July 1999

TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER
ACACIA REHABILITATION RECORD

Tenement Name: East Bonrook **No(s):** EL 9137

Disturbance: **Rehabilitation:** **Date:**

Grids & Traverses: Grid pegs to be removed.

Soil Sampling: Auger holes backfilled immediately after sampling

Costeans/Pits: NA

Drilling: NA

Drill Traverses: NA

Drill Pads: NA

Ground Geophysics: NA

Access Tracks: NA

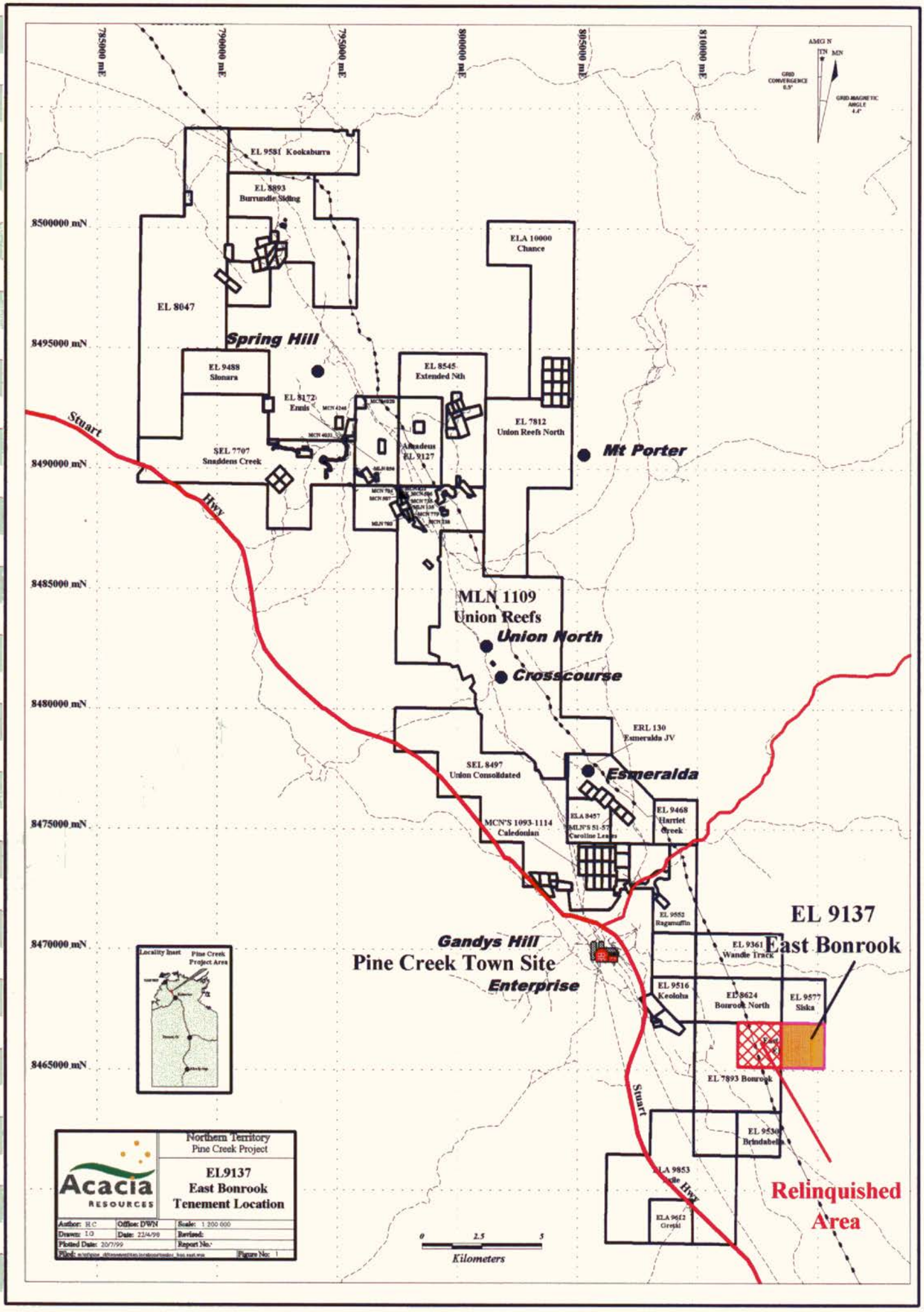
Camps: NA

Other: NA

Inspected / Clearance: NA **Bond/Security released:** NA

Compiled by: Jane Ham **Date:** July 1999

Follow-up Inspection Report:


785000 mE
790000 mE
795000 mE
800000 mE
805000 mE
810000 mE
AMG N
TN
MN
GRID CONVERGENCE 0.5°
GRID-MAGNETIC ANGLE 4.4°
8500000 mN
8495000 mN
8490000 mN
8485000 mN
8480000 mN
8475000 mN
8470000 mN
8465000 mN
EL 9581 Kookaburra
EL 8893 Burrundie Siding
EL 8047
Spring Hill
EL 9488 Sionara
EL 8172 Ennis
EL 8545 Extended Nth
ELA 10000 Chance
EL 7812 Union Reefs North
Mt Porter
Amadeus EL 9127
SEL 7707 Snaddens Creek
Stuart Hwy
MLN 1109 Union Reefs
Union North
Crosscourse
ERL 130 Esmeralda JV
Esmeralda
SEL 8497 Union Consolidated
MCN'S 1093-1114 Caledonian
ELA 8457 MLN'S 51-57 Caroline Leases
EL 9468 Harriet Creek
EL 9552 Ragamuffin
EL 9137
East Bonrook
EL 9361 Wandle Track
Gandys Hill
Pine Creek Town Site
Enterprise
EL 9516 Keoloha
EL 8624 Bonrook North
EL 9577 Siska
EL 7893 Bonrook
EL 9530 Brindabella
ELA 9853
ELA 9612 Gresik
Relinquished Area
Locality Inset
Pine Creek Project Area
0
2.5
5
Kilometers
Northern Territory
Pine Creek Project
EL9137
East Bonrook
Tenement Location
Acacia RESOURCES
Author: R.C
Office: DWN
Scale: 1:200 000
Drawn: I.O
Date: 22/4/99
Revised:
Plotted Date: 20/7/99
Report No.:
Figure No: 1

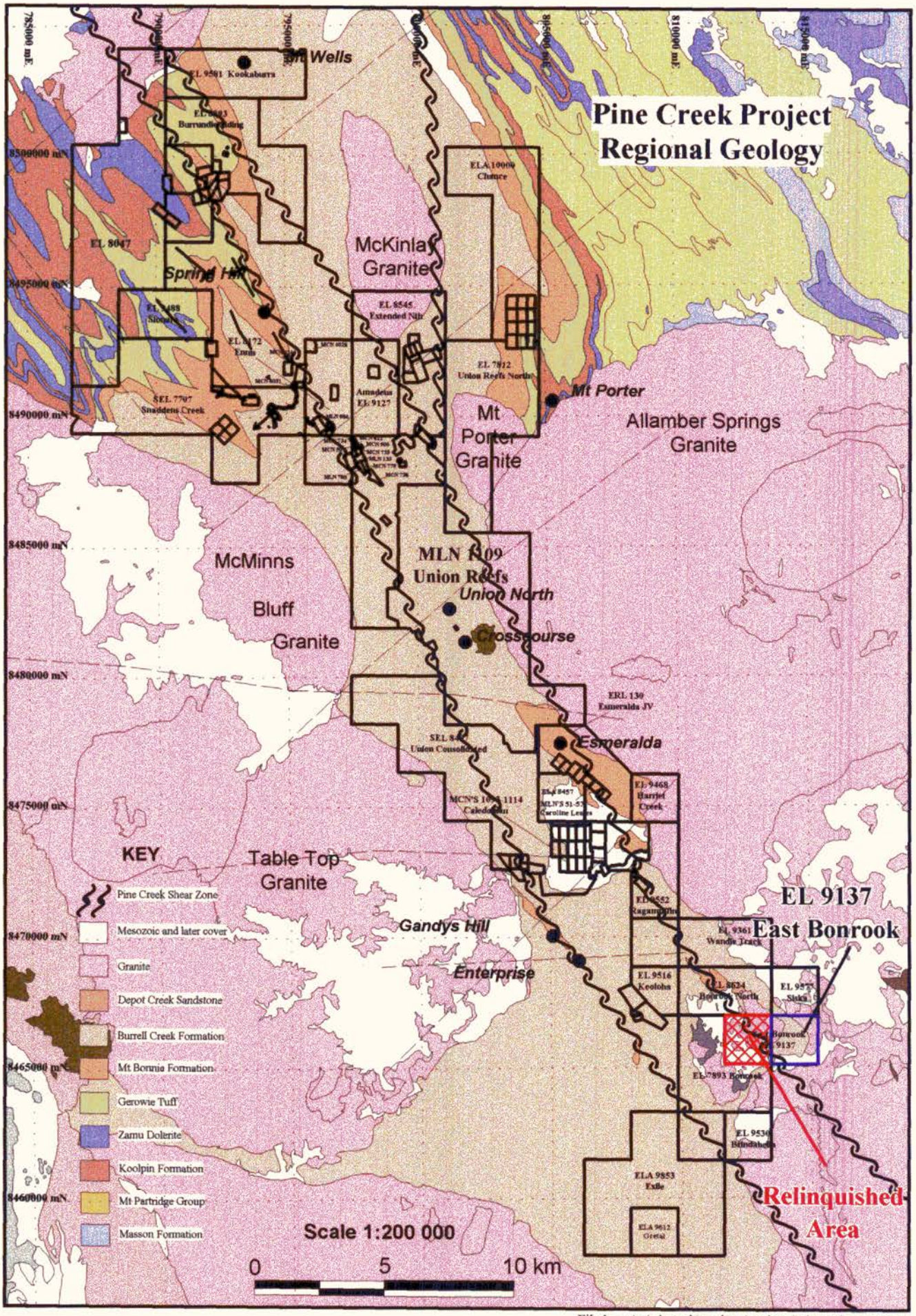


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Figure 2

812000 mE
813000 mE
814000 mE
815000 mE
8467000 mN
8466000 mN
8465000 mN

EL 8624
EL 9577

Relinquished Area

EL 9137
East Bonrook

EL 7893

Soil Sample Type
- AUGER
- HAND

Locality Inset
Pine Creek Project Area
DARWIN
Katherine
Tennant Ck
Alice Springs

0 0.25 0.5
Kilometers

AMG N
TN MN
GRID CONVERGENCE 0.5°
GRID-MAGNETIC ANGLE 4.4°

Acacia RESOURCES

Northern Territory
Pine Creek Project

EL 9137
- Bonrook East -
Soil Geochemistry with Sample Numbers

Author: J.H.	Office: DWN	Scale: 1:10 000
Drawn: A.L.H.	Date: 20/7/99	Revised:
Plotted Date: 20/7/99		Report No.:
Filed: m:\ef\pine_ck\~\soils\bonrook\Bon East 10kA3 Soil99.WOR		Figure No: 3

812000 mE
813000 mE
814000 mE
815000 mE
8467000 mN
8466000 mN
8465000 mN

EL 8624
EL 9577

Relinquished Area

EL 9137
East Bonrook

Soil Samples
Au Results in ppb

>1000	
250	to 1000
100	to 250
50	to 100
10	to 50
5	to 10
2	to 5
<2	

EL 7893

Locality Inset — Pine Creek Project Area

0 0.25 0.5
Kilometers

AMG N
TN MN
GRID CONVERGENCE 0.5°
GRID-MAGNETIC ANGLE 4.4°

Acacia RESOURCES

Northern Territory
Pine Creek Project

EL 9137
- Bonrook East -
Soil Geochemistry with Au Results ppb

Author: J.H.	Office: DWN	Scale: 1:10 000
Drawn: A.L.H.	Date: 20/7/99	Revised:
Plotted Date: 20/7/99		Report No.:
Filed: m:\nt\pine_ck\~\soils\bonrook\Bon East 10kA3 SoilAu99.WOR		Figure No: 4

812000 mE
813000 mE
814000 mE
815000 mE
8467000 mN
8466000 mN
8465000 mN

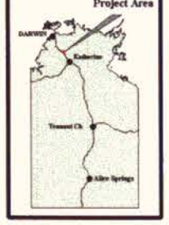
EL 8624
EL 9577

Relinquished Area

EL 9137
East Bonrook

EL 7893

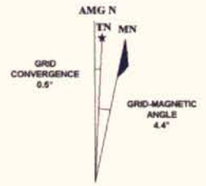
Locality Inset
Pine Creek Project Area



0 0.25 0.5
Kilometers

Key:

✚ Gravity Station



Acacia RESOURCES

Northern Territory
Pine Creek Project

EL 9137
- Bonrook East -
Gravity Station Locations

Author: J.H.	Office: DWN	Scale: 1:10 000
Drawn: A.L.H.	Date: 20/7/99	Revised:
Plotted Date: 20/7/99		Report No.:
Filed: m:\nt\pine_ck\~\gravity\Bon East 10kA3 Gravity99.WOR		Figure No: 5