ACACIA RESOURCES LIMITED

THIRD GROUP ANNUAL REPORT FOR EL's 9468 and 9552 FOR THE YEARS ENDED: 2ND SEPTEMBER 1999 (EL 9468) AND 20TH OCTOBER 1999 (EL 9552)

HARRIET CREEK AND RAGAMUFFIN

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Report No: 08.10563

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 Acacia Resources (Darwin)
3 Acacia Resources (Melbourne)
4 Acacia Resources (Field)
5 Acacia Resources (URGM)

SUMMARY

Exploration Licences EL 9468 and 9552, in the Pine Creek area NT, are currently being explored by Acacia Resources Limited. These licence areas, known as Harriet Creek and Ragamuffin respectively, are located 5km north east of the township of Pine Creek and 10 - 12km south east of the Union Reefs Gold Mine. This group report details all exploration activities carried out in these tenements for the twelve months up to 2nd September 1999 (EL 9468) and 20th October 1999 (EL 9552), respectively.

Exploration activities conducted within the tenement group in the reporting period include:

- Seven shallow (7) RC holes drilled for two hundred and ninety three (293) metres (Ragamuffin)

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1.0 INTRODUCTION

Exploration Licences (EL's) 9468 and 9552 are currently being explored by Acacia Resources. The centre of this tenement group is located approximately 10km south of the Union Reefs Gold Mine operations. This report details work carried out on these tenements in their third year of tenure.

2.0 TENEMENT STATUS

Tabled below is a summary of the tenement status for the reported licences :

Tenement	Grant Date	Expiry Date	Relinquishments	No. of Blocks
Harriet Creek	03/09/96	03/09/02	-	29
EL9468			02/07/97	3
			04/08/98	1
Ragamuffin	21/10/96	21/10/02	-	3
EL9552			13/09/99	2

Group reporting was approved by the NTDME on 30th June, 1997 for the above tenements. This is the third year of group reporting for these tenements. All data and expenditure reported on, falls between the grant date of each tenement and their respective anniversaries.

In order to conform with reduction requirements a one (1) block reduction was completed for EL9552 on the 13th September 1999.

2.1 Aboriginal Area Protection Authority Clearance

The AAPA issued Authority Certificate No. C98/149, for a period of two years commencing on the 18th December 1998. There is one registered site of significance within EL9468 and one within the recently relinquished block of EL9552.

3.0 LOCATION AND ACCESS

The group of tenements is located 5km ENE of the Pine Creek township and 10km SSE of the Union Reefs Gold Mine (Figure 1). Access to Harriet Creek (EL 9468) and Ragamuffin (EL 9552) is possible via the Kakadu Highway, turning east of the Stuart Highway near Pine Creek.

Harriet Creek (EL 9468) and Ragamuffin (EL 9552) are both encompassed by mapsheet 14/6-II Pine Creek.

4.0 REGIONAL GEOLOGY

The tenement areas are located within the central portion of the Pine Creek Shear Zone within Lower Proterozoic Finniss River and South Alligator Groups, more specifically Burrell Creek and Mt. Bonnie Formations. Interbedded shales, siltstones and greywackes dominate this regional metasedimentary package which hosts the bulk of the major gold deposits in the Pine Creek Geosyncline including Pine Creek, Union Reefs and Spring Hill (Figure 2).

The geology of the Harriet Creek EL 9468 is dominated by the intrusive Allamber Springs Granite, with some Mt. Bonnie Formation in the western margins of the tenement area. Ragamuffin EL 9552 encompasses the geological contact between the sedimentary Burrell Creek Formation and the intrusive Allamber Springs Granite. Thick Mesozoic cover is recognised in parts of the Ragamuffin licence.

Turbiditic greywackes and shales exposed in the tenement areas have been assigned to Burrell Creek and Mt. Bonnie Formations. These rocks have been folded to produce upright NNW trending folds and sub-vertical to steeply dipping bedding throughout the area. Greenschist facies metamorphism appears to be broadly synchronous with this deformation.

5.0 PREVIOUS WORK

5.1 Acacia Resources – 1996/97 Year 1 (Rep. 08.8949)

Exploration completed by Acacia during 1996/1997 reporting period included the following:

- 1:25,000 colour aerial photography,
- digital elevation modelling
- detailed aeromagnetic and radiometric surveying
- establishment of an exploration grid within the Ragamuffin licence area, totalling some 2.4km of baseline construction, and 11.15 line km of east-west cross line gridding
- collection of three hundred and ninety one (391) spot soil samples

5.2 Acacia Resources – 1997/1998 Year 2 (Rep. 08.9646)

Exploration activities conducted within the tenement group in the 1997/1998 reporting period included:

- 8.75 line km of cross line gridding
- collection of 85 auger soil samples
- vacuum drilling for a total of 1103m, to collect 277 residual soil samples
- collection and review of recent gravity data
- compilation, review and interpretation of aeromagnetic, radiometric and gravity data

6.0 WORK COMPLETED – YEAR THREE

6.1 Harriet Creek EL9468

The current state of the gold price has forced Acacia to focus its exploration efforts on drill testing potential near mine resources. Due to lack of encouraging targets of this nature within the Harriet Creek lease no field based exploration work was completed within the tenement during the reporting period.

6.2 Ragamuffin EL9552

The vacuum based geochemical soil programs completed during the 1997 and 1998 field seasons (see reports 08.8949 and 08.9646) defined a broad low level (10 to 50ppb Au) gold anomaly worthy of further drill testing. The peak of the anomaly presents itself as a narrow 25-75m corridor which boasts results in the order of 1g/t Au.

RC Drilling

A program of three fences of shallow RC holes were started late in the 1998 field season. Due to the untimely onset of the wet season only one fence of holes were completed before access was prevented. In all seven (7) RC holes were completed for two hundred and ninety three (293) metres. One hole blew out a collar at five metres and was abandoned and not sampled.

The drilling was completed by Gadens Drilling based in Batchelor, and the holes were surveyed with a single shot downhole camera inside the RC rods. Holes collars were subsequently surveyed by Micorsurvey based in Pine Creek.

A total of one hundred and forty five (145), three to four kilogram samples were collected through a riffle splitter and were submitted to Amdel in Darwin for gold analysis. The samples were crushed and pulverised to 90% passing 75µm, and a 50g charge taken for fire assay analysis by FA1 method. The remainder of the sample was retained on site in plastic bags.

Results

A blanket of up to 5m of quartz-rich gravel was intersected in every hole drilled along this traverse. This gravel layer assayed up to 100ppb Au. Below this anomalous cover all of the results in the residual profile were below detection limit. The indication is that the anomalous gold results defined in earlier soil sampling are alluvial in origin.

7.0 ENVIRONMENTAL ISSUES

Acacia conducted exploration activities in such a way as to keep environmental disturbance to a minimum. Where possible existing gridlines were used to access drill sites. Drill sites within EL9552 were rehabilitated on the completion of drilling and all residual sample bags were relocated to a sample farm. Some additional rehabilitation work was completed within EL9468 including the pulling of steel pegs within relinquished portions of the tenement. An environmental register is included in Appendix 3.

8.0 EXPENDITURE STATEMENTS

8.1 EL 9468 - Harriet Creek

Expenditure for the period ending 2 September, 1999 totals $7, 634 which has failed to make the covenant of $10, 500. A breakdown of the expenditure is given below:

Geoscientist	$	1753
Field Staff	$	898
Office Support/Staff	$	2, 883
Vehicles	$	359
Consumables	$	283
Contractors/Other Prof	$	462
Administration (15%)	$	996
Total =	$	7, 634

8.2 EL 9552 - Ragamuffin

Expenditure for the period ending 2 September, 1999 totals $ 29, 568 which has met the required covenant of $26, 000. A breakdown of the expenditure is given below:

Geoscientist	$	3, 484
Field Staffing	$	3, 036
Office Support/Staffing	$	5, 792
Vehicles	$	519
Consumables	$	1, 312
RC Drilling	$	5, 979
RC Analyses	$	1, 406
Contractors/Other Proff	$	4, 181
Administration (15%)	$	3, 859
Total =	$	29, 568

9.0 PROPOSED PROGRAMS AND EXPENDITURE

9.1 EL 9468 - Harriet Creek

Further exploration at Harriet Creek will involve infill soil sampling and pending a data review, either target drilling or surrender. A breakdown of the proposed expenditure is given below:

Staffing		$	1, 000
Support		$	1, 000
Geochemical Sampling		$	1, 000
Assays		$	1, 000
Consumables		$	600
Rehabilitation		$	400
	Total =	**$**	**5, 000**

9.2 EL 9552 - Ragamuffin

Due to the untimely arrival of the wet season the program of shallow RC drilling to be undertaken within the Ragamuffin lease remains uncompleted with some of the better targets yet to be tested. It is proposed that the remainder of this program will be completed in the 1999/2000 reporting period.

An outline of the proposed expenditure is given below.

Staffing	$	1, 500
Support	$	1, 500
RC Drilling	$	4, 500
Assays	$	1, 000
Consumables	$	500
Rehabilitation	$	500
Total	**$**	**9, 500**

10.0 REFERENCES

FERGUSON J, 1980. Metamorphism in the Pine Creek Geosyncline and its Bearing on Stratigraphic Correlations. In FERGUSON J, & GOLBY AB, (Editors) - URANIUM IN THE PINE CREEK GEOSYNCLINE. International Atomic Energy Agency, Vienna, 91 - 100.

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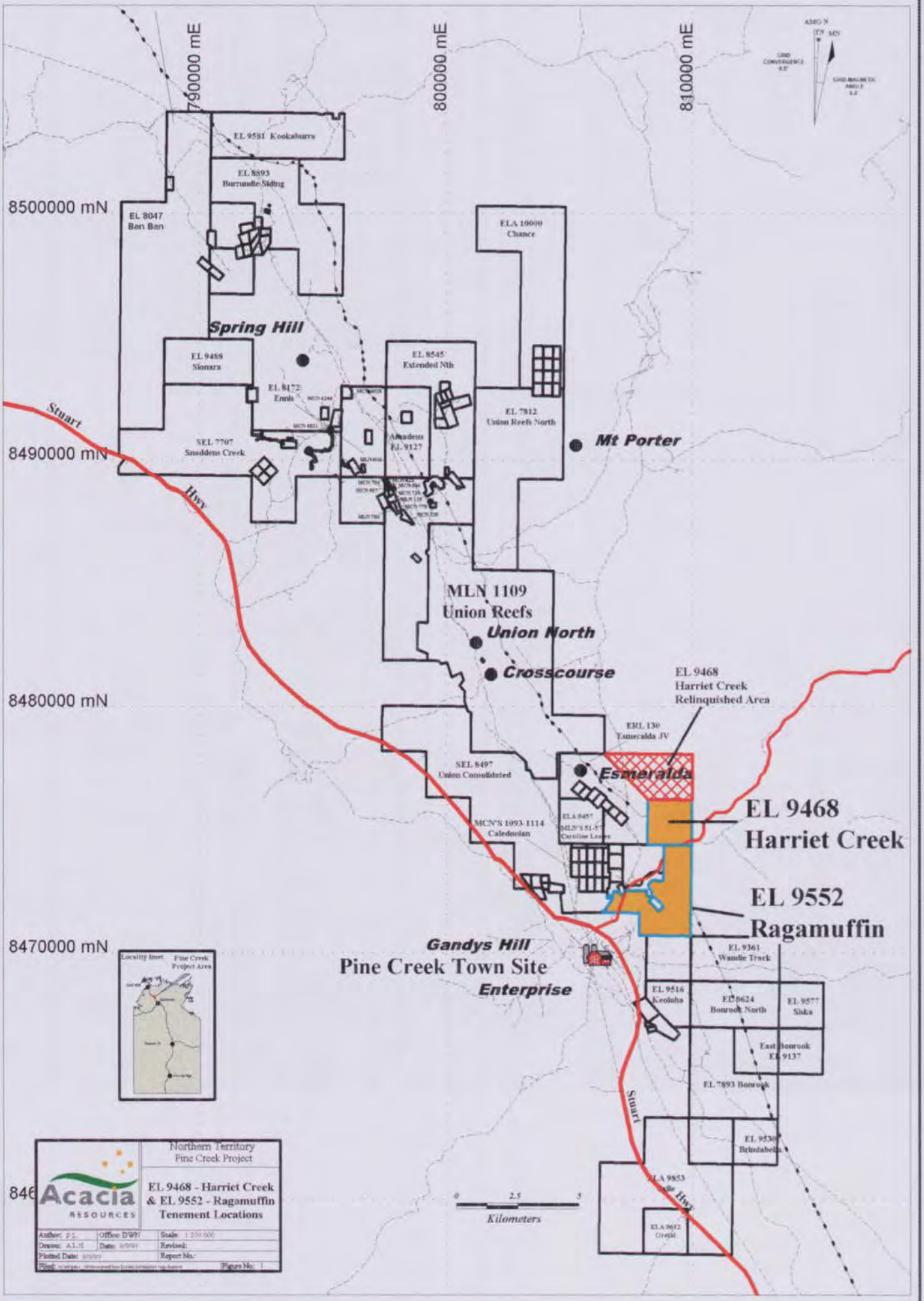
790000 mE
800000 mE
810000 mE
8500000 mN
8490000 mN
8480000 mN
8470000 mN
EL 9581 Kookaburra
EL 8593 Burrundie Siding
EL 8047 Ban Ban
ELA 10000 Chance
Spring Hill
EL 9458 Sionara
EL 8545 Extended Nth
EL 8472 Ennis
Amadeus EL 9127
EL 7812 Union Reefs North
Mt Porter
Stuart Hwy
SEL 7707 Snuddens Creek
MLN 1109 Union Reefs
Union North
Crosscourse
EL 9468 Harriet Creek Relinquished Area
ERL 130 Esmeralda JV
SEL 8497 Union Consolidated
Esmeralda
EL 9468 Harriet Creek
MCN'S 1093-1114 Caledonian
EL 9552 Ragamuffin
Gandys Hill
Pine Creek Town Site
Enterprise
EL 9361 Wandie Track
EL 9516 Keoloha
EL 8624 Bonrook North
EL 9577 Sirks
East Bonrook EL 9137
EL 7893 Bonrook
EL 9530 Brindabella
ELA 9853
ELA 9612 Crystal
Stuart Hwy
Locality Inset
Pine Creek Project Area
Northern Territory
Pine Creek Project
EL 9468 - Harriet Creek
& EL 9552 - Ragamuffin
Tenement Locations
Acacia RESOURCES
Author: P.L.
Office: DWP
Scale: 1:200,000
Drawn: A.L.H.
Date: 8/9/99
Revised:
Plotted Date: 8/9/99
Report No.:
Figure No: 1
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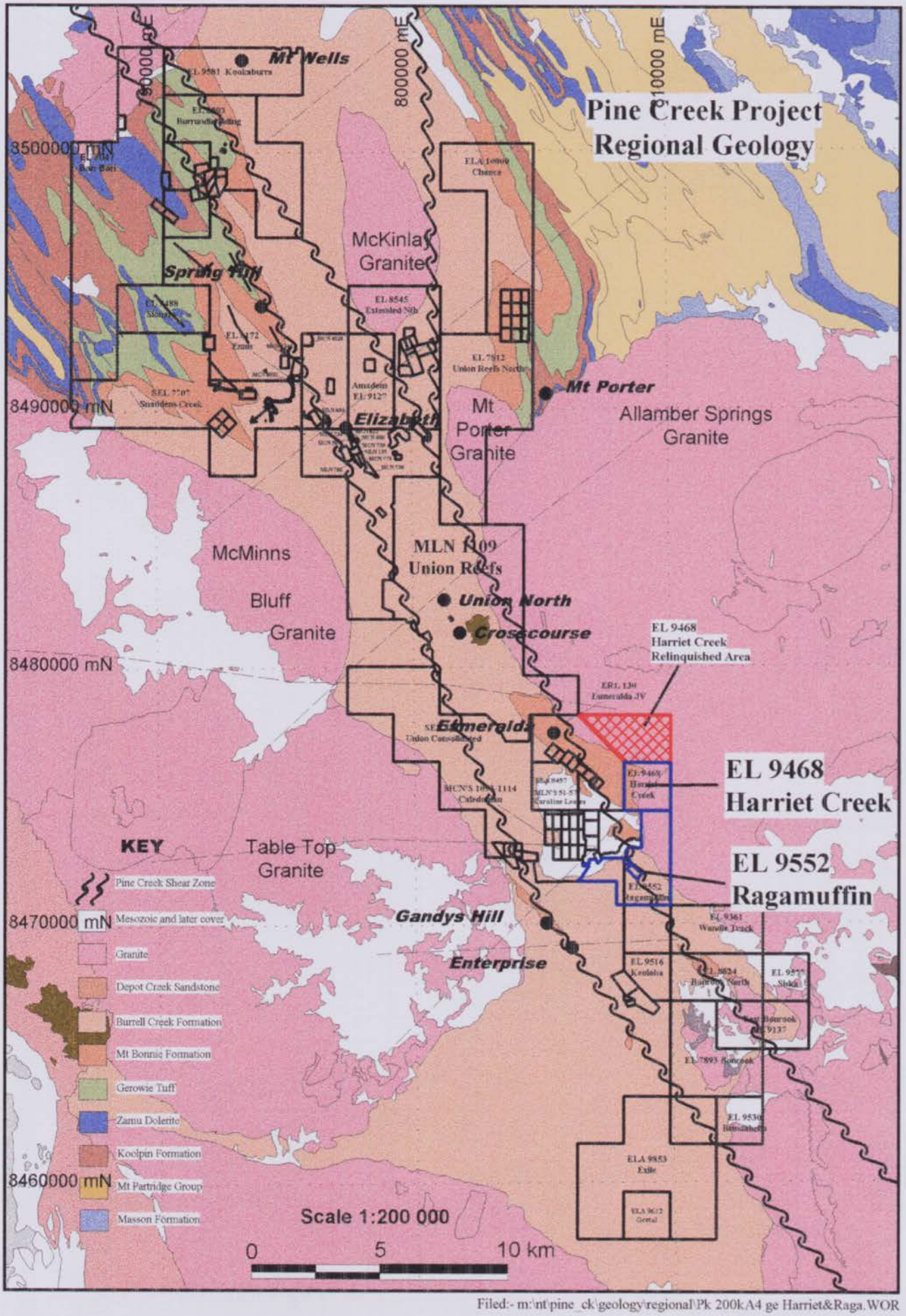
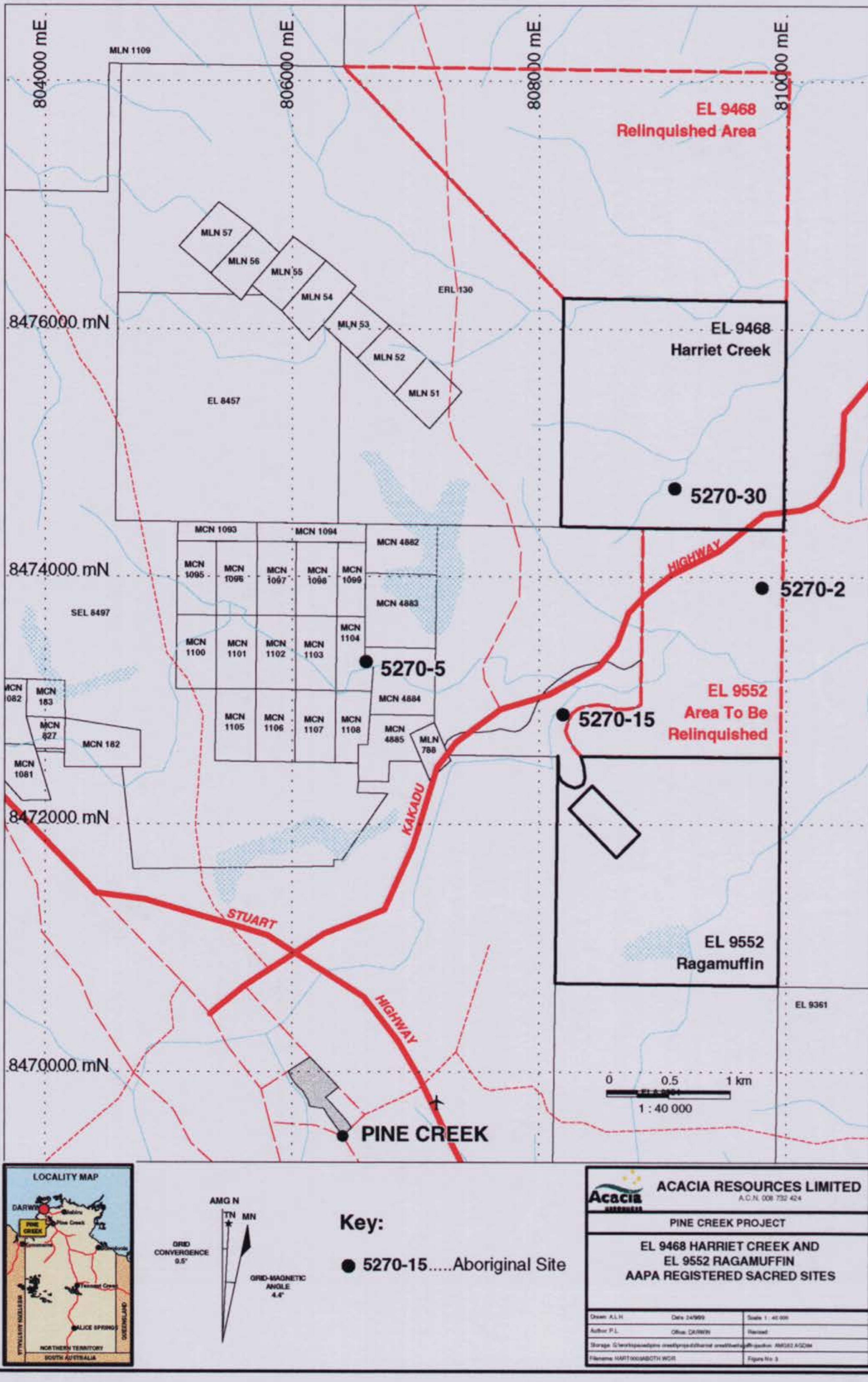
Kilometers



Filed:- m:\nt\pine_ck\geology\regional\Pk 200kA4 ge Harriet&Raga.WOR

Figure 2



Key:

● 5270-15.....Aboriginal Site

ACACIA RESOURCES LIMITED

PINE CREEK PROJECT

EL 9468 HARRIET CREEK AND
EL 9552 RAGAMUFFIN
AAPA REGISTERED SACRED SITES

Drawn A.L.H. | Author P.L. | Office DARWIN | Scale 1 : 40 000 | Figure No 3

806000 mE
807000 mE
808000 mE
809000 mE
810000 mE
811000 mE
812000 mE

8478000 mN
8477000 mN
8476000 mN
8475000 mN
8474000 mN
8473000 mN
8472000 mN
8471000 mN
8470000 mN

EL 9468
Relinquished Area

EL 9468
Harriet Creek

EL 9552
Area To Be
Relinquished

EL 9552
Ragamuffin

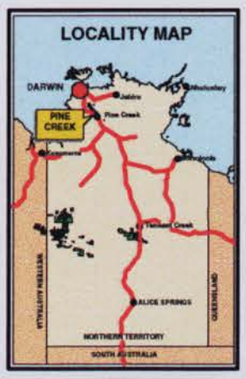
HIGHWAY
KAKADU
STUART
HIGHWAY

PINE CREEK

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

0 0.5 1 km
1 : 20 000

LOCALITY MAP



Legend

- *AUGER*
- *SOIL SPOT*
- *VACUUM*
- *RC DRILLHOLE*

**Sample number denotes this reporting period*

ACACIA RESOURCES LIMITED
A.C.N. 008 732 424

PINE CREEK PROJECT

EL 9468 HARRIET CREEK AND EL 9552 RAGAMUFFIN SOIL AND DRILLHOLE SAMPLE LOCATIONS WITH SAMPLE NUMBERS

Drawn: A.L.H.	Date: 24/9/99	Scale: 1 : 20 000
Author: P.L.	Office: DARWIN	Revised:
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Filename: HART0001DRIL20K.WOR		Figure No: 4

CR 1999 – 0429

806000 mE
807000 mE
808000 mE
809000 mE
810000 mE
811000 mE
812000 mE

8478000 mN
8477000 mN
8476000 mN
8475000 mN
8474000 mN
8473000 mN
8472000 mN
8471000 mN
8470000 mN

EL 9468
Relinquished Area

EL 9468
Harriet Creek

EL 9552
Area To Be
Relinquished

EL 9552
Ragamuffin

HIGHWAY

KAKADU

STUART

HIGHWAY

PINE CREEK

Drillhole 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

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

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

0 0.5 1 km
1 : 20 000

LOCALITY MAP
DARWIN
PINE CREEK
Jabiru
Pine Creek
Katherine
Nhulunbuy
Tennant Creek
Mt Isa
ALICE SPRINGS
WESTERN AUSTRALIA
NORTHERN TERRITORY
QUEENSLAND
SOUTH AUSTRALIA

*Sample result denotes this reporting period

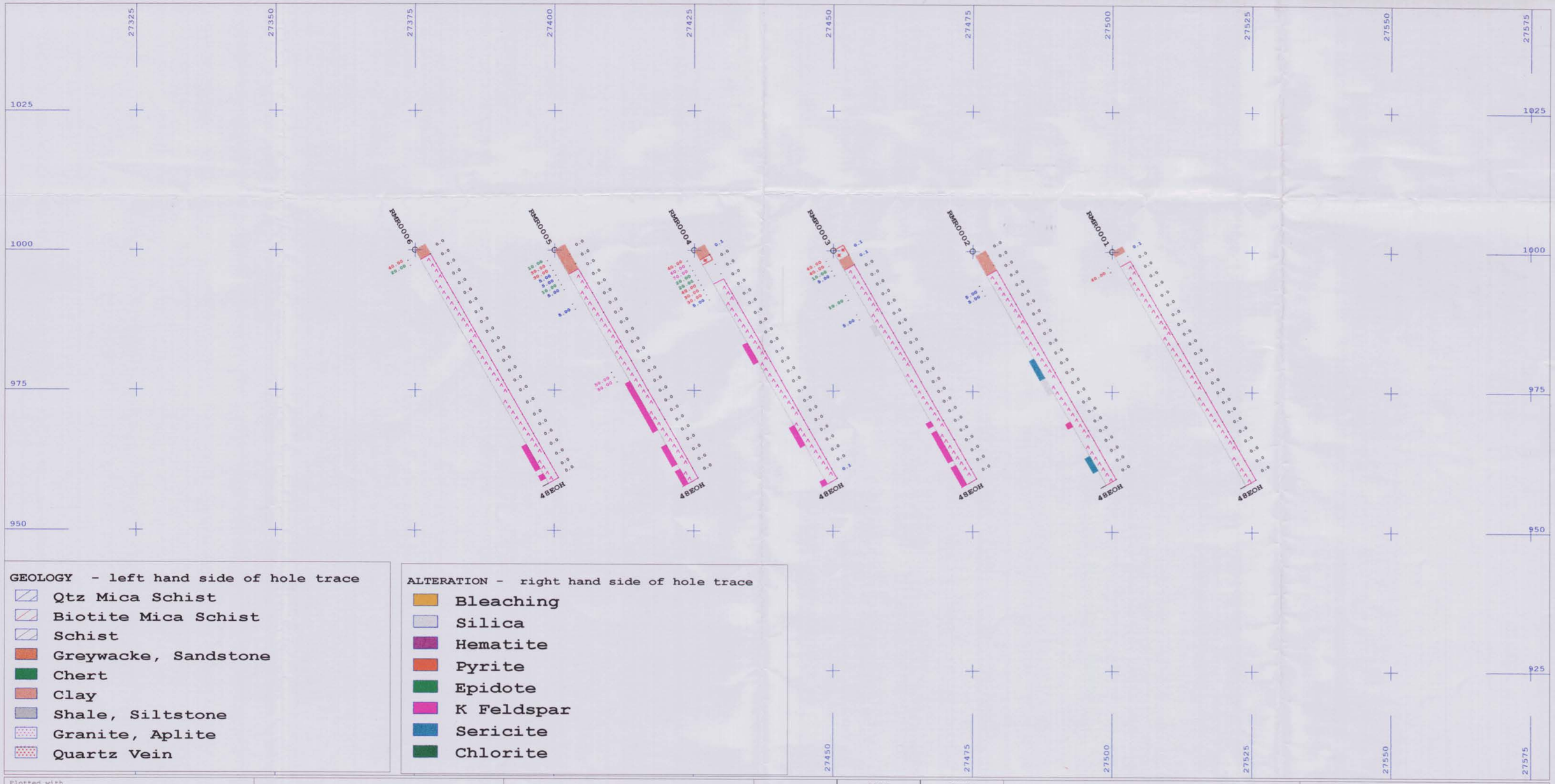
ACACIA RESOURCES LIMITED
A.C.N. 008 732 424

PINE CREEK PROJECT

EL 9468 HARRIET CREEK AND EL 9552 RAGAMUFFIN SOIL AND DRILLHOLE SAMPLE LOCATIONS WITH RESULTS AU PPB

Drawn: A.L.H.	Date: 24/9/99	Scale: 1 : 20 000
Author: P.L.	Office: DARWIN	Revised:
Storage:G:\workspace\alpine creek\projects\harriet_creek\drilling\		Projection: AMG66 ZONE 53
Filename: HART0002DRIL20K.WOR		Figure No: 5

CR 1999 – 0429



GEOLOGY - left hand side of hole trace

- Qtz Mica Schist
- Biotite Mica Schist
- Schist
- Greywacke, Sandstone
- Chert
- Clay
- Shale, Siltstone
- Granite, Aplite
- Quartz Vein

ALTERATION - right hand side of hole trace

- Bleaching
- Silica
- Hematite
- Pyrite
- Epidote
- K Feldspar
- Sericite
- Chlorite

Plotted with MICROMINE

Resources Software
Perth, Australia
Tel +61 8 9389 8722
Fax +61 8 9386 7462
http://www.micromine.com.au

Scale	DATE	SHEET
1:500	6/8/98	1 of 1
	REF No.	FILE RM3800

RAGAMUFFIN
RC SECTION 3800N
FIGURE 6

ACACIA RESOURCES
PINE CREEK PROJECT

APPENDIX 1

ACACIA GEOLOGICAL LOGGING CODES

Acacia Exploration
Geological Logging Codes

RETURN
(RTN)

%	Of Return

WATER
(H2O)

D	Dry
M	Moist
W	Wet
B	Blowndry
	Injected

HARDNESS

H	Very Hard
	Hard
M	Medium
S	Soft
VS	Very Soft

COLOUR
(COLOUR)

Qualifier

DK	Dark
LT	Light
	Beige
BG	Blue/green
BK	Black
BL	Blue
BN	Brown
CM	Cream
GN	Green
GY	Grey
KH	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
	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
T Patchy
SV Selvedge
VN Vein

g. STDM, MRSV

VEIN TYPE
(VN_TYPE)

CB Carbonate
CH Chert
Z Quartz
Y Pyrite

VEIN STYLE
(VN_STYLE)

K Buck
BX Breccia
CB Comb
H Chalcedonic
B Fibrous
MI Milky
RB Ribbon
A Saccharoidal
T Stringer
SM Smoky
TR Translucent
M Laminated
V 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 two 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 (not 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.

APPENDIX 2

DISK (ASCII comma delimited format)

Contains: Read Me file
Drillhole Collar Ledger.csv
Drillhole Geology Report.csv
Drillhole Assay Report.csv

APPENDIX 3

Environmental Register

TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER
LAND STATUS RECORD

Project: Pine Creek

Tenement Name: Harriet Creek, Ragamuffin, **Loc. Code:** UR25, UR32

Tenement No's: EL's 9468, 9552

Registered Holder(s): Acacia Resources Ltd

Date Granted: See report **Term:** See report **Area:**

Bond/Security: Nil

JV Partners (if any): Nil

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

Land Holder/Occupier: Gary Hamilton (Equest Pty Ltd) **Station:** Mary River West

Address: 9 Pall Mall, Currumbin, QLD **Phone:**(075) 534 7408

Contacted By: E Wakefield **Date:** 12/3/1996

Pastoral Notes: **(Stock, Cultivation, Access, Rainfall)**
Open grazing land, little evidence of domestic livestock.
Access via the Stuart Highway, the North Australia Railway Easement or any number of unmarked bush tracks

Environmental Notes: **(Flora/Fauna, Erosion, Bushfires, Flooding)**
Open tropical savannah. Prone to flooding during the wet, access difficult during the wet.

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

Aboriginal Notes: **(Sacred Sites, Cultural)**
Within EL 9468, there is 1 registered site No.5270-30. Within EL 9552, there is 1 site 5270-2. Registered site 5270-15 is along the boundary of EL 9552 (refer Figure 8) Currently covered by AAPA certificate C98/149 which expires on 18th Dec 2000.

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

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

TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER
PRE-EXISTING ENVIRONMENTAL DISTURBANCE RECORD

Tenement Name: Harriet Creek
Ragamuffin

No(s): EL 9468,
EL 9552

Exploration Activity Area:

Shafts/Pits/Dumps: Nil

Track/Access: Kakadu Highway, North Australia Railway Easement and numerous bush tracks.

Line Clearing: Nil

Costeaning: Nil

Drill Sites: Nil

Other: Nil

Location Data: Acacia database

Other Ref:

Compiled by: Niki Vela **Date:** October 1997

TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER
ACACIA ENVIRONMENTAL IMPACT RECORD

Tenement Name:	Harriet Creek Ragamuffin	**No(s):**	EL 9468 EL 9552
Report Ref No's:	08.8949 08.9646 08.10563		
Exploration Activities:	1996/97: Gridding, hand and auger sampling		
Grids & Traverses:	1996/97:~11 line km of cross line gridding marked at 200m x 50m spacing with galvanised fence droppers. 1997/98: 8.75 line km of cross line gridding with galvanised fence droppers		
Soil Sampling:	1996/97: ~390 spot soil samples collected. 1997/98: 85 auger soil samples		
Costeans / Pits:	1997/98: ~300m costeans		
Drilling:	1997/98: 1103m vacuum 1998/1999 293m RC Drilling (7 holes)		
Drill Traverses:	1 drill traverse		
Drill Pads:	7 drill pads		
Ground Geophysics:	Nil		
Access Tracks:	Minor access tracks off existing gridline to access RC drill sites		
Camps:	Nil		
Other:	Nil		
Compiled by:	Jane Ham	**Date:**	October 1998
Revised by:	Penny Large	**Date:**	September 1999

TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER
ACACIA REHABILITATION RECORD

Tenement Name: Harriet Creek
Ragamuffin

No(s): EL 9468
EL 9552

Disturbance: Minor Surficial, 7 RC holes

Rehabilitation: Ongoing

Grids & Traverses: Fence droppers at 400 or 200 x 50m still in the field.

Soil Sampling: Sample sites backfilled immediately after sampling.

Costeans/Pits: Backfilled immediately due to abandoning of program

Drilling: Vacuum holes backfilled immediately after sampling
RC drill pads rehabilitated on completion and residual
Plastic sample bags removed to bag farm

Drill Traverses: Natural rehabilitation

Drill Pads: Top soil returned

Access Tracks: Nil

Inspected / Clearance:

Bond/Security released: NA

Compiled by: Jane Ham **Date:** October 1998

Revised by: Penny Large **Date:** September 1999