ANGLOGOLD AUSTRALASIA LIMITED

CALEDONIAN MCN’s 1093 to 1114

ACTIVITY REPORT

PERIOD 17th JULY 1999 TO 16th JULY 2000

Author: D Stephens
Report No: 08.10954

Drafting: A Horner

Date: October 2000
Copy No: 1

1:250,000 Pine Creek 52-08
1:100,000 Pine Creek 5270

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SUMMARY

Mineral Claims N1093 - N1114, in the Pine Creek area, NT, are currently being explored by AngloGold Australasia Limited. The mineral claims are located approximately 3km north of the Pine Creek township and 8km south east of AngloGold’s Union Reefs Gold Mine and treatment facilities.

During the 12 months to 16th July 2000, AngloGold did not undertake any field activities, and concentrated on a review of existing data in a regional context.
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Appendix 1 Environmental Register
1  INTRODUCTION

Mineral Claim Numbers (MCN's) 1093 - 1114 (referred to as the Caledonian MCN's) cover a combined area of 373.36 Ha approximately 3km to the north of Pine Creek in the Northern Territory. The area is currently being explored by angloGold as part of a regional exploration programme centred on the Union Reefs Gold Mine.

This report details all work carried out in the Caledonian MCN's for the 12 month period to 16th July, 2000.

2  LOCATION AND ACCESS

The Caledonian MCN's cover a continuous, approximately rectangular, area of 373.36 hectares centred 3km to the north of Pine Creek in the Northern Territory (Figure 1). Access is via the North Australia Railway easement track turning north off the Kakadu Highway approximately 1km north east of Pine Creek. The area is flat and easily accessible in the dry season but has very limited access during the wet season.

3  TENEMENT ISSUES

MCN's 1093 - 1114 were granted on 2nd March 1989. The Shell Company of Australia Ltd acquired the tenements from Goldman Capitol Ltd on 15th April 1993 and subsequently assigned them to Acacia Resources Ltd.

The tenements were due to expire on the 16th July 1994, however an application for the renewal of the claims was lodged with the Northern Territory Department of Mines and Energy on 15th April 1994.

The mineral claims were renewed on 28th December, 1994 for a period of 3 years, ending 31st December, 1997. A ten year renewal application was lodged with the NTDMME on the 10th October, 1997. A response is still awaited on this application.

AngloGold assumed control of the tenements following the successful take over of Acacia Resources Ltd in late 1999.

3.1  Aboriginal & Heritage Issues

Exploration on the MCNs is covered by Aboriginal Areas protection Authority (AAPA) clearance certificate C98/149. One aboriginal site has been identified as being located within the tenement boundaries (Figure 3).

4  REGIONAL SETTING

The Caledonian MCN's are located in the central part of the Pine Creek Geosyncline (Figure 2), which contains Early Proterozoic metasedimentary rocks overlying a gneissic and granitic Archean basement. The metasediments represent a preserved basinal sequence up to 14km thick (Needham et al, 1980) which were tightly folded and metamorphosed to greenschist facies (in some places amphibolite facies) between 1890 and 1870 Ma (Ferguson, 1980).
The geosynclinal sequence has been intruded by transitional igneous rocks including pre-deformational dolerite lopoliths and dykes, and post-deformational granitoids. Weakly deformed Middle and Late Proterozoic, Cambro-Ordovician and Mesozoic platform sequences unconformably overlie the older basinal sediments.

The Caledonian MCN’s overlie a narrow corridor of metasediments between two lobes of the Cullen Batholith (Figure 2). This corridor, which is dominated at surface by Burrell Creek Formation, hosts both the Pine Creek and Union Reefs ore bodies and numerous historic prospects including; Spring Hill (Au), Flora Belle (Pb, Ag), Elizabeth (Au) and Esmeralda (Au).

5 TENEMENT GEOLOGY

The Caledonian MCN’s lie over the flood plain of Caledonian Creek, which transects the area and drains to the east. Bedrock is largely obscured by transported cover. Rare metasediment and quartz subcrop and outcrop forms low relief "rubbly" mounds.

While outcrop is poor, aeromagnetics and aerial photographic interpretations suggest that the Pine Creek Shear Zone lies within the licences underneath the alluvial cover, and directly along strike from Union Reefs Gold Mine.

6 WORK COMPLETED YEAR ENDING 16th JULY 2000

Uncertainties arising from the attempted take-over of Acacia by Delta, and the subsequent successful take-over by AngloGold Australasia Limited led to a change in the exploration focus in 1999. Acacia diverted all of its' exploration funding towards immediately provable resources. As a result, minimal work was completed at the Caledonian MCN’s in 1999.

Following the AngloGold take-over, priorities returned to a more balanced exploration approach.

Due to the late wet season in 2000, access has been extremely limited. Vehicular access proved impossible until May. As a consequence only high priority programs have been completed to date.

No field work has been completed at the Caledonian MCN’s within the reporting period.

Statutory reporting was undertaken.

7 ENVIRONMENTAL

No activities were undertaken that caused disturbance to the environment. An environmental register has been completed for the licence area and is included in Appendix 1.
8 WORK PLANNED YR ENDING 16th JULY, 2001

The Caledonian MCN’s would appear to have limited prospectivity based on bedrock geochemistry results, but the licences are in the vicinity of the Pine Creek Shear Zone and may still have some potential for blind gold deposits in the style of the Union Reefs Gold Mine.

Exploration in 2000/2001 is likely to involve the definition and testing of drill targets identified from the regional geological interpretation. The aim of this programme would be to define prospective gold mineralisation or provide sufficient information to allow a decision on the future of the tenements.

Proposed Expenditure Year Ending 16th JULY, 2001

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Staffing &amp; Support</td>
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</tr>
<tr>
<td>Drilling</td>
<td>$2,500</td>
</tr>
<tr>
<td>Assays</td>
<td>$  750</td>
</tr>
<tr>
<td>Consumables</td>
<td>$  750</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$6,500</strong></td>
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9 EXPENDITURE STATEMENTS

9.1 Exploration Expenditure Year Ending 16th JULY, 2000

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staffing &amp; Support</td>
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<tr>
<td>Consumables</td>
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<tr>
<td>Administration</td>
<td>$  190</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$1,455</strong></td>
</tr>
</tbody>
</table>

Tenements           $1,770
10 REFERENCES


HUNGERFORD, N.; 1998a; Geophysical Interpretation of the Union Reefs - Pine Creek Area N.T.; Internal report prepared for Acacia by Hungerford Geophysical Consultants; Acacia Report No.08.9603.

HUNGERFORD, N.; 1998b; Brocks Creek - Pine Creek Area, N.T. - Geophysical Interpretation; Internal report prepared for Acacia by Hungerford Geophysical Consultants; Acacia Report No.08.9640.


MACKAY, C.; 1993; Annual Report for Caledonian MCN's 1093 to 1114; Report No. 08.6210. Unpublished report to the NTDME on behalf of The Shell Company of Australia Limited.

MARTIN, N.; 1998; Caledonian MCN's 1093 to 1114, Activity Report for the Period 17th July 1997 to 16th JULY 1998; Report No. 08.9643, Unpublished report to the NTDME on behalf of Acacia Resources Ltd.

MARTIN, N.; 1999; Caledonian MCN's 1093 to 1114, Activity Report for the Period 17th July 1998 to 16th JULY 1999; Report No. 08.9643, Unpublished report to the NTDME on behalf of Acacia Resources Ltd.


SEWELL, D.; 1995; Caledonian MCN's 1093 to 1114, Sixth Annual Report for the Year Ending 2 March 1995; Report No. 08.7524. Unpublished report to the NTDME on behalf of Acacia Resources Ltd.

SPURWAY, C.; 1996; Caledonian MCN's 1093 to 1114, Seventh Annual Report for the Year Ending 2 March 1996; Report No. 08.7764. Unpublished report to the NTDME on behalf of Acacia Resources Ltd.

VELA, N.; 1997; Caledonian MCN's 1093 to 1114, Activity Report for the Period 3rd March 1997 to 16th July 1997; Acacia Report No. 08.8945 Unpublished report to the NTDME on behalf of Acacia Resources Ltd.
APPENDIX 1

Environmental Register
TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER

LAND STATUS RECORD

Project: Pine Creek
Tenement Name: Caledonian  
Loc. Code: UR09
Tenement No's: MCN’s 1093 - 1114
Registered Holder(s): AngloGold Australasia Limited
Date Granted: 28/12/94  
Term: 3 years  
Area: 373.36 Ha
Bond/Security: Nil
JV Partners (if any): Nil
Land Classification: (Crown, Private, Lease) Lease
Land Holder/Occupier: Gary Hamilton  
Station: Mary River West (Equest Pty Ltd)
Address: 9 Pall Mall  
Currumbin, Qld, 4223
Phone: (075) 534 7408
Contacted By: Elaine Wakefield  
Date: Early 1995

Pastoral Notes: (Stock, Cultivation, Access, Rainfall)
Open grazing land, little evidence of domestic livestock.

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)
Several water bores are located near the south-western corner of the MCN's. Water bores are town water supply.

Aboriginal Notes: (Sacred Sites, Cultural)
AAPA Certificate C98/149
There is one registered sacred site along the eastern margin of the licence; site No.5270-5.

Historic Relics: (Mine Workings, Equipment, Homesteads etc.)
Caledonian alluvial Au mine beside the Kakadu Highway, covered by MCN’s on the eastern boundary of the tenements.

Previous Activity: (Mining, Exploration, Forestry, etc.)
Licence previously covered by numerous exploration companies, no substantial disturbance evident.
**TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER**
**PRE-EXISTING ENVIRONMENTAL DISTURBANCE RECORD**

<table>
<thead>
<tr>
<th>Tenement Name:</th>
<th>Caledonians</th>
<th>No(s):</th>
<th>MCN’s 1093 - 1114</th>
</tr>
</thead>
</table>

**Exploration Activity Area:**

**Shafts/Pits/Dumps:** None evident

**Track/Access:**

Tenement can be accessed from western margin by turning east off the North Australia Railway easement.

Access tracks also exist along Power Transmission Lines.

**Line Clearing:** None

**Costeaining:** None

**Drill Sites:** None

**Other:**

**Location Data:**
- 1:250,000 Pine Creek SD52-08
- 1:100,000 Pine Creek 5270

**Other Ref:**

**Compiled by:** Neil Martin

**Date:** 1/10/98
**TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER**

**ANGLOGOLD ENVIRONMENTAL IMPACT RECORD**

<table>
<thead>
<tr>
<th>Tenement Name:</th>
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</thead>
<tbody>
<tr>
<td>No (s):</td>
<td>MCN’s 1093 - 1114</td>
</tr>
</tbody>
</table>

| Report Ref No’s: | 08.6210 08.9643 08.7026 08.10574 08.7524 08.7764 08.8739 08.8945 |

**Exploration Activities:** Remote activities only.

<table>
<thead>
<tr>
<th>Grids &amp; Traverses:</th>
<th>Nil</th>
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<tbody>
<tr>
<td>Soil Sampling:</td>
<td>Nil</td>
</tr>
<tr>
<td>Costeans / Pits:</td>
<td>Nil</td>
</tr>
<tr>
<td>Drilling:</td>
<td>Nil</td>
</tr>
<tr>
<td>Drill Traverses:</td>
<td>Nil</td>
</tr>
<tr>
<td>Drill Pads:</td>
<td>Nil</td>
</tr>
<tr>
<td>Ground Geophysics:</td>
<td>Nil</td>
</tr>
<tr>
<td>Access Tracks:</td>
<td>Nil</td>
</tr>
<tr>
<td>Camps:</td>
<td>Nil</td>
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</tbody>
</table>

**Other:**

<table>
<thead>
<tr>
<th>Compiled by:</th>
<th>Neil Martin</th>
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<tbody>
<tr>
<td>Date:</td>
<td>1/10/98</td>
</tr>
</tbody>
</table>
TENEMENT ENVIRONMENTAL MANAGEMENT REGISTER
ANGLOGOLD REHABILITATION RECORD

Tenement Name: Caledonian  No(s): MCN’s 1093 - 1114

Disturbance: Nil  Rehabilitation: Nil  Date: 13/10/97

Grids & Traverses: Nil

Soil Sampling: Nil

Costeans/Pits: Nil

Drilling: Nil

Drill Traverses: Nil

Drill Pads: Nil

Ground Geophysics: Nil

Access Tracks: Nil

Camps: Nil

Other:

Inspected / Clearance:  Bond/Security released:

Compiled by: Neil Martin  Date: 1/10/98

Updated: Damien Stephens  3/10/00

Follow-up Inspection Report:
Caledonian MCN's
1093-1114

5270-5
(Sacred Site)

STUART HIGHWAY

KAKADU HIGHWAY

ANGLOGOLD AUSTRALASIA LIMITED
PINE CREEK PROJECT

MCN'S 1093 - 1114
CALEDONIAN
SACRED SITE LOCATION

Coord System: AGD84 AMG zone 52
Author: AH
Date: 3/10/00
Drawn: DJS

LOCALITY MAP

ANGLOGOLD AUSTRALASIA LIMITED
PINE CREEK PROJECT

MCN'S 1093 - 1114
CALEDONIAN
SACRED SITE LOCATION

Coord System: AGD84 AMG zone 52
Author: AH
Date: 3/10/00
Drawn: DJS

Figure No: 3
Scale: 1:20 000