



**MCN 5092 BYNOE NT**

**ANNUAL REPORT FOR THE PERIOD  
ENDING 7<sup>TH</sup> OCTOBER 2009**

**Report prepared for Outback Metals Limited**

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The potential geological and geophysical situations, the opinions, interpretations and estimates contained in this report are speculative and high risk.

## **1:100 000 Geological Map Series**

REYNOLDS RIVER 5071

## **1:250 000 Geological Map Series**

PINE CREEK SD5208



WILLIAM J FRASER  
GEOLOGY

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Fig 1. MCN 5092 "Bynoe" 1:250 000 Natmap Topography

## 1. **EXECUTIVE SUMMARY**

MCN 5092 is located about 80km SSW of Darwin and immediately to the east of Labelle Downs. The geology is subcrop of the Paleoproterozoic Two Sisters Granite. Pegmatite dyke swarms within the granite host low grade tin, tantalum and niobium mineralisation.

During the past year Outback Metals Limited have carried out a review of the previous exploration and geological data.

The prevailing metal prices were not amenable to carrying out any development studies.

The situation will be reviewed during 2010.

## **2. INTRODUCTION**

MCN 5092 “Bynoe” of size 40ha was first granted on 8<sup>th</sup> October 1996 and is presently held by Corporate Developments Pty Ltd. Preparatory to the ASX listing Outback Metals Limited (OUM) made an outright purchase of Corporate Developments. The current term of MCN 5092 expires on 31<sup>st</sup> December 2015.

The MCN is located about 80km south south west of Darwin and about 7.5km east of Labelle Downs in black soil plains country on the western side of the Tolmer Plateau and Litchfield National Park. MCN 5093 adjoins to the south (Fig 1 refers).

Modern mineral exploration in the immediate vicinity of the MCN was carried out by:

- Urangesellschaft Australia, 1980 on EL 1731 for uranium
- Barbara Mines and Greenbushes, 1987-90 on EL 5211 for tin and tantalum
- Henry and Walker Group, 1986-88 on EL 4367 for uranium, tin and tantalum
- Corporate Developments, 1996-present on former EL 9507 and currently on MCN 5092 for tin and tantalum

During the year of tenure OUM carried out a review of the historical exploration and geological interpretation of the data available in the various NTGS databases.

## **3. GEOLOGY**

In 1981-85 NTGS carried out field geological mapping and airphoto interpretation of REYNOLDS RIVER 1:100 000 scale geological map sheet (Pietsch et al, 1989). The published map shows that the MCN comprises almost entirely subcrop of deeply weathered Paleoproterozoic Two Sisters Granite on the flank of a SW trending fault zone and near the intrusive contact of the Wangi Basics.

## **4. LABELLE TIN & TANTALUM PROSPECT**

The Prospect is described in the NTGS MODAT database, reference number 1861 and further in the references below.

Tin, tantalum, niobium and beryllium mineralisation is hosted by coarse pegmatite vein swarms. There is a small shallow open cut with dimensions about 25m x 5m.

Drill testing was carried out by Henry and Walker Group in 1984 by four rotary percussion drill holes (Nicholson, 1987) and in 1996 by Corporate Developments by nine percussion drill holes. Corporate Developments reported maximum values of 390ppm Sn, 680ppm Ta and 700ppm Nb.(Chrisp, 1997)

## **5. CONCLUSIONS AND RECOMMENDATIONS**

Prevailing metal prices during the year were unfavourable for any development studies and therefore no work was carried out.

It is recommended that the situation be reviewed during 2010.

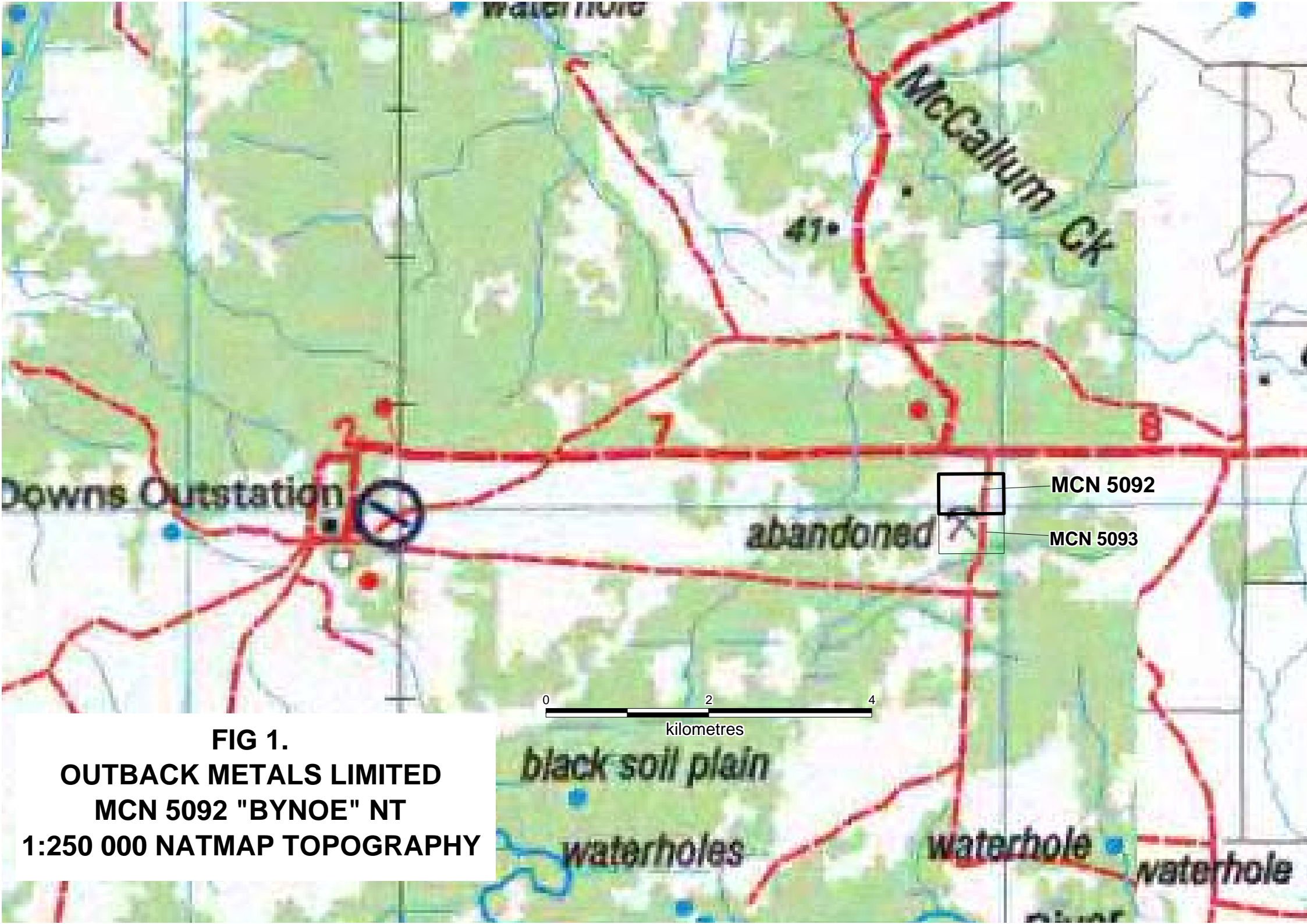
## **6. REFERENCES**

Chrisp GM 1997. Annual Report for EL 9507 for the year ending 20<sup>th</sup> June 1997. Rport for Corporate Developments Pty Limited. OFCR 1997-0483.

Mollemans F 1988. 19888 Annual Report Bynoe Joint Venture La Belle Area. Report for Barbara Mining Corporation and Greenbushes JV. OFCR 1988-0151.

Nicholson PM 1987. Annual report Labelle, October 1985 to October 1986. Report prepared by Eupene Exploration Enterprises for the Henry and Walker Group. OFCR 1987 0049.

Pietsch BA 1989. REYNOLDS RIVER 5071 1:100 000 Geological Map and Explanatory Notes. NT Department of Mines And Energy, Darwin.



**FIG 1.**  
**OUTBACK METALS LIMITED**  
**MCN 5092 "BYNOE" NT**  
**1:250 000 NATMAP TOPOGRAPHY**