Talmina Trading Pty. Ltd.

EL 4443 - Mt. Shoobridge Area.

Annual Report for the Year Ending

November 1984.

Licence: EL 4443
Licensee: Talmina Trading Pty. Ltd.
Location: Pine Creek 1:250,000 SD52-8
Tipperary 1:100,000 5170
Period: November 1983 - November 1984
Author: B.D. Richardson.
Introduction.

Exploration Licence 4443 is located south of Mt. Shoobridge, approximately 140 kilometres south - south east of Darwin (Fig 1). The tenement was granted to Talmina Trading Pty. Ltd. on the 23rd November 1983 and covers an area of 16 square kilometres.

The Mt. Shoobridge area contains units of the South Alligator Group, the Burrell Creek Formation and the Early Proterozoic Shoobridge and Fenton Granites (Fig 2). This area contains numerous base metal and tin prospects most of which were abandoned at the turn of the century. Exploration Licence 4443 covers a northerly plunging anticlinal structure with folded units of the Koolpin, Gerowie Tuff and Mt. Bonnie Formations. The licence also contains one known tin prospect and several reported tin bearing pegmatites.

The majority of previous work in the area was carried out by C.R.A. Exploration, Geopeko and Urangesellschaft exploring for the base metals, gold and uranium associated with the gossanous units of the Middle Koolpin Member. Little tin exploration was conducted though several tin anomalies were located during the stream sediment sampling programme. Limited detailed exploration was carried out on several base metal anomalies but the results warranted no further work. No significant gold anomalies were defined but only a limited number of samples were submitted for gold analysis.

Due to heavy financial commitments elsewhere Talmina was not able to conduct an exploration programme in this area. A prospector was sent to locate and sample the Carruthers tin prospect and panning of the samples indicated minor tin and possibly tantalite in this area. Further work is warranted.
NORTHERN GOLD N.L.

EXPLORATION LICENCES AND MINING TENEMENTS

HOWLEY — BRIDGE CREEK AREAS

Fig 1
Fig. 2

**Legend**
- **Kp**: Petrel Formation
- **Pgh**: Shoobridge Granite
- **Pt**: Burrell Creek Formation
- **Pso**: Mt. Bonnie Formation
- **Psg**: Gerowie Tuff
- **Ps**: Koolpin Formation
- **Psso**: Wildman Siltstone

**Symbols**
- ● Abandoned mine or prospect
- O Mineral occurrence

**Scale**: 1:50,000

**Compiled**: B.D.R.  
**Drawn**: C.S.D.S.  
**Date**: October 1984
In the 1985 season Talmina Trading Pty. Ltd. will conduct an extensive Sn/Ta exploration programme over their tenements in the Mt. Shoobridge area. They hope to assess all known mineralized pegmatites to determine if a small tin/tantalite operation would be economical in this area. Northern Gold N.L. in conjunction with Talmina will carry out a gold exploration programme along the Mt. Shoobridge Fault zone and along prospective anticlinal structures in the area. The estimated expenditure on EL 4443 in the 1985 season will be $5,000. A statement of expenditure for 1984 is given below:

EL 4443 - Statement of Expenditure Nov. 1983 - Nov. 1984

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
<td>Wages and Salaries</td>
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<td>Reporting and Drafting</td>
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<td>Preparation - Office Expenses</td>
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<td>Vehicle Expenses</td>
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<tr>
<td>Preparation - Air Fares and Accommodation</td>
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3,000