

# **HEAZLE PTY LIMITED**

## **EL 14/2001 HEAZLEWOOD AREA**

### **FINAL REPORT**

*Prepared for:*

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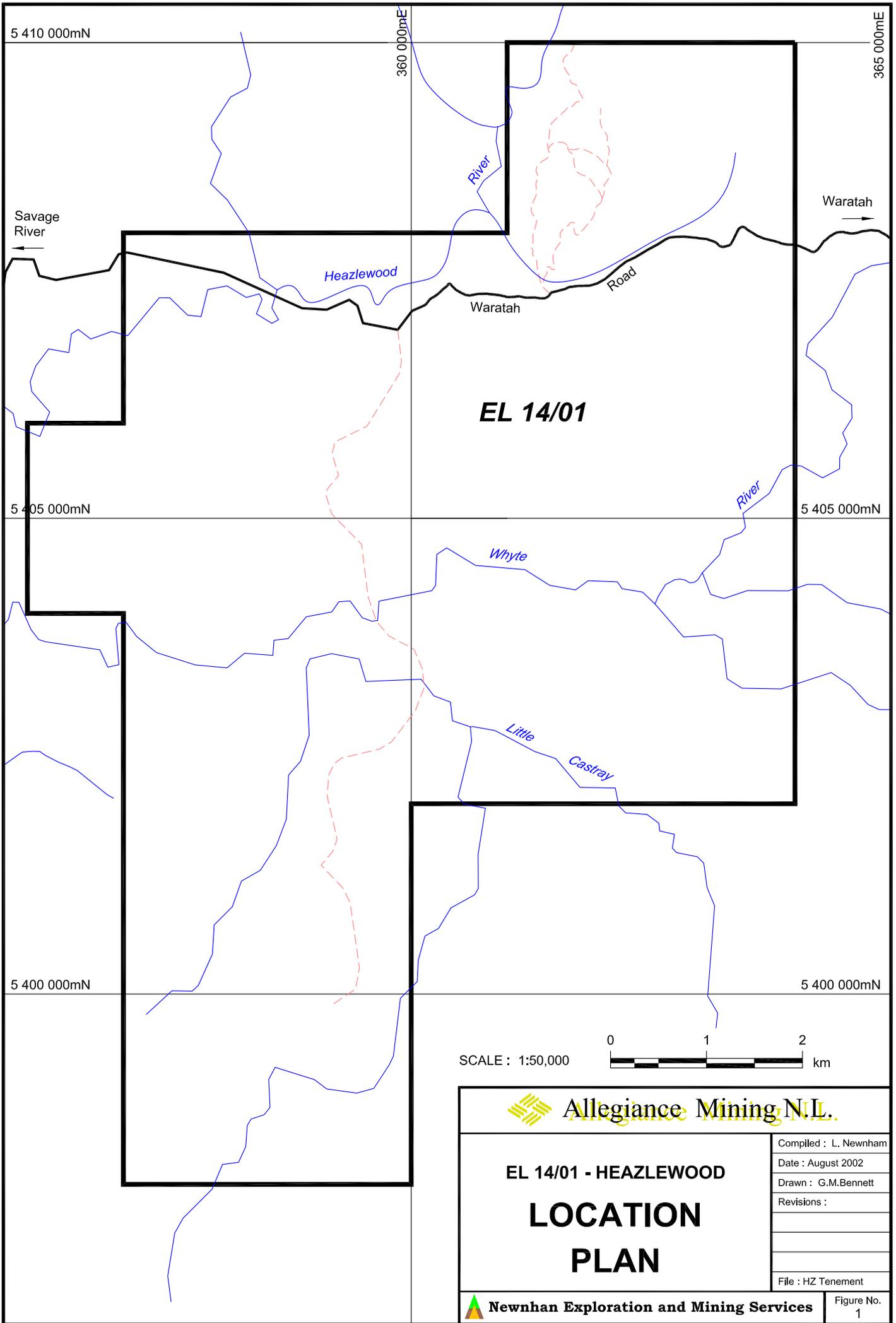
**Map:        Location Plan**

## **1. EXPLORATION PHILOSOPHY**

EL 14/2001 was acquired by Heazle Pty Limited (a wholly-owned subsidiary of Allegiance Mining NL) because it was considered prospective for metasomatic nickel deposits formed by the alteration of nickeliferous Cambrian ultramafic bodies by the intrusion of hydrothermally active Carboniferous granite.

Alteration of the ultramafics to serpentinite would be accompanied by the formation of abundant magnetite. This alteration pattern would, therefore, be defined by a high resolution aeromagnetic survey.

The entrapment of substantial (ore-body scale) volumes of mobilised nickel sulfides would require the presence of either structural or formational traps such as roofed, non-outcropping, ultramafics.



5 410 000mN

360 000mE

365 000mE

Savage River

Heazlewood

River

Waratah

Road

Waratah

**EL 14/01**

5 405 000mN

5 405 000mN

River

Whyte

Little

Castray

5 400 000mN

5 400 000mN

SCALE : 1:50,000



**Allegiance Mining N.L.**

**EL 14/01 - HEAZLEWOOD**

**LOCATION PLAN**

Compiled : L. Newnham

Date : August 2002

Drawn : G.M.Bennett

Revisions :

File : HZ Tenement



**Newnhan Exploration and Mining Services**

Figure No.  
1

## **2. REVIEW of WORK COMPLETED**

Heazle Pty Limited completed the following work on EL 14/2001:

- (a) detailed review of all existing data on the area, with particular reference to the exploration philosophy above
- (b) high resolution aeromag survey over the licence area

This work highlighted the following:

- (i) there was a large, deep aeromag anomaly beneath the faulted western margin of a northern remnant of the Huskisson Syncline
- (ii) strong aeromag anomalies in the Duffs Hill-Mt Jasper area beneath Cambrian basalts and sediments may represent altered ultramafic targets
- (iii) major NNE trending structures through the area may enhance hydrothermal activity and promote mobilisation and concentration of sulfides
- (iv) a secondary target in the area is Cu-Au mineralisation near vesicular tops in Cambrian basalts in the Duffs Hill-New Jasper area

Whilst it was the intention of Heazle Pty Limited to pursue these targets with drilling, nickel exploration priorities elsewhere in Tasmania prevented this happening within the tenure period.

### **3. REHABILITATION REPORT**

Apart from a brief inspection of the Mt Stewart workings, no ground accessed exploration was undertaken.

Thus, there was no ground disturbance caused by Heazle Pty Limited exploration activities and no rehabilitation work was therefore undertaken.

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