

ANNUAL REPORT
FOR PERIOD ENDED 31.12.87

MLC 520
GREAT NORTHERN PROSPECT
TENNANT CREEK
NORTHERN TERRITORY

TOPEND RESOURCES NL
GPO BOX T1725
PERTH W.A.

c.c. J. Schmidt
J. Pearson

GREAT NORTHERN

1. INTRODUCTION

Exploration for ironstone related gold mineralisation at the Great Northern Lease, MLC520, was carried out by National Gold/Quadric Pty Ltd during the reporting period. Work consisted of ground reconnaissance mapping and sampling, and planning of drilling to test the potential for the occurrence of gold.

2. TITLE/LOCATION/ACCESS

The Great Northern gold prospect is located 4 kilometres north of Tennant Creek in the Northern Territory. The prospect is covered by Mineral Lease C520 of 5 hectares in area. MLC520 was originally granted as GMLE390 on 30th July 1953 for a period expiring on 31st December 1994. The beneficial owner of MLC520 is Mr J. Schmidt who granted an option to Quadric Pty Ltd, to purchase the Lease. This option is current. Access to the prospect is good with the paved Stuart Highway passing east of the prospect and a steep graded road leading to the top of the hill where outcropping ironstone is located. The area is accessible all year round.

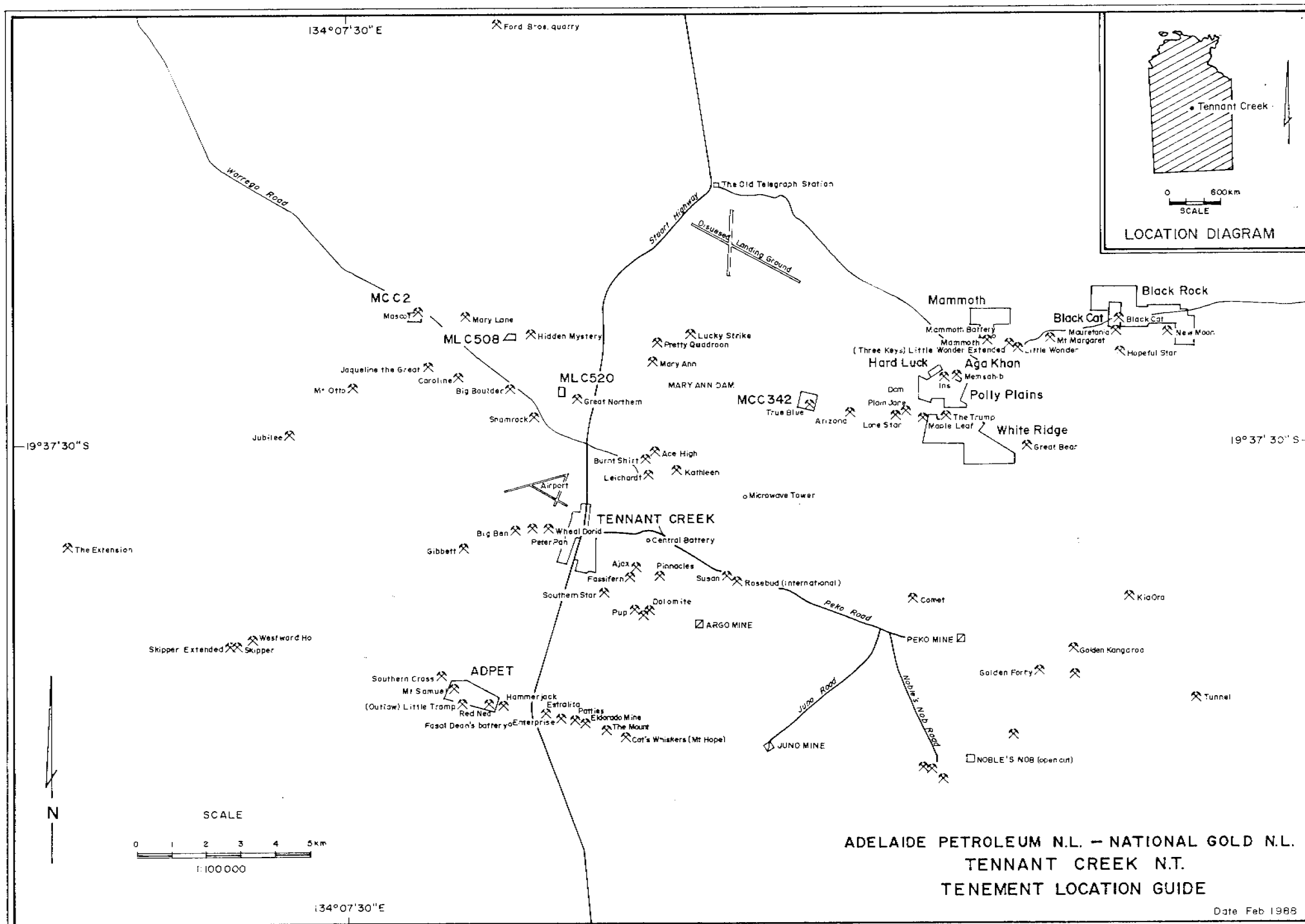
3. GENERAL DESCRIPTION

The Great Northern workings comprise one main easterly trending elongate shallow pit, two shafts and a number of costeans. Beneath the hill on which the workings occur a long adit has been driven from the SSW. The adit, even though it ends beneath the area of the main workings does not contain any ironstone and does not link up with any workings from the hill top.

The past gold production at the Great Northern is reported to be 450 oz from an iron impregnated shear zone in Warramunga Group sediments.

4. PREVIOUS EXPLORATION

A ground magnetometer survey has been carried out by the Bureau of Mineral Resources at the Great Northern. A number of small bodies were indicated at relatively shallow depths around the area of the workings.



5. EXPLORATION BY NATIONAL GOLD NL

Exploration by National Gold comprised the collection of 12 rock chip and dump samples.

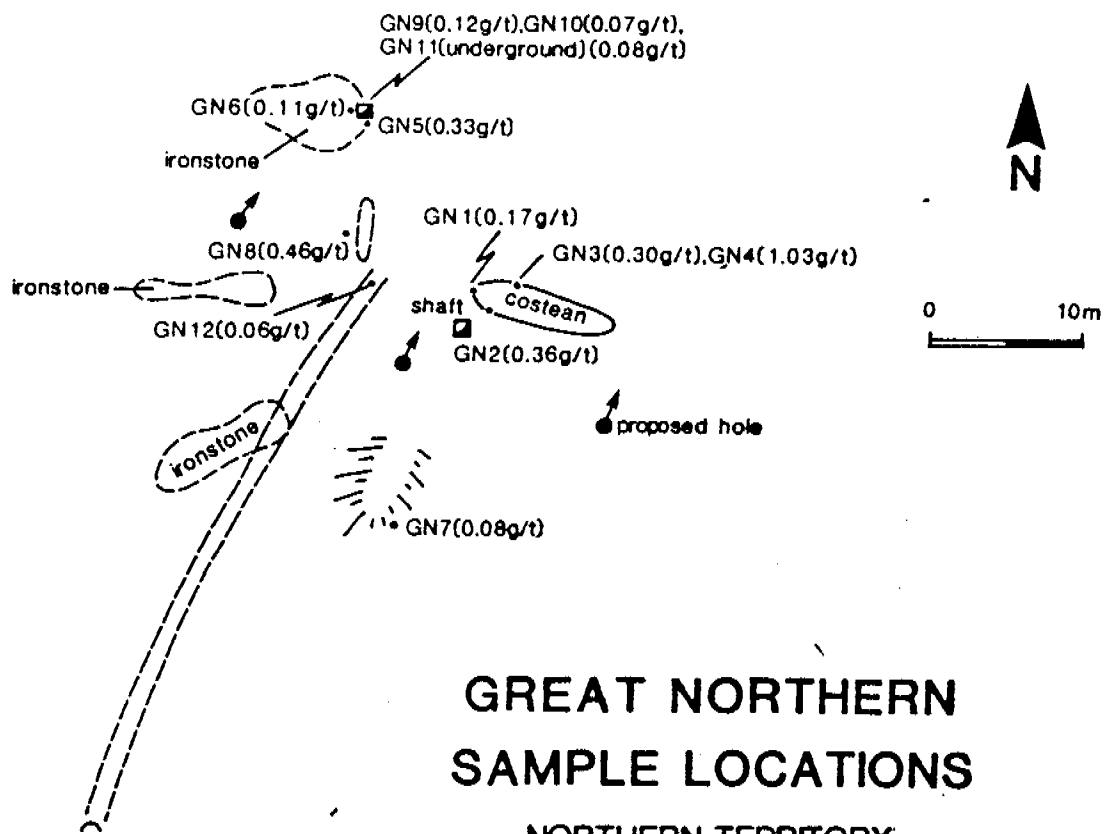
The highest value was obtained from what appears to be a possible fault gouge on the north wall of the elongate shallow pit sample GN4, 1.03 g/t (Au). All other samples were less than 0.46 g/t Au.

It is probable that the gold mined in past times was localised in a small shear zone now represented by the easterly trending elongate pit. The shear zone appears to be vertical.

6. PROPOSED EXPLORATION

Surface sampling by National Gold, records of past production and the presence of several small shallow magnetic anomalies indicate that it may be warranted to test the shear zone by drilling.

Three holes declined at 50° with down hole depths of 25m could be drilled as shown. These would test the shear zone at the 20m level.



GREAT NORTHERN SAMPLE LOCATIONS NORTHERN TERRITORY