



Northern Gold NL

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MCN 4527

1996/97 ANNUAL REPORT

06/10/96 - 05/10/97

Burrundie (14/6-IV) 1:50,000 scale map sheet

Title Holder:- Northern Gold N.L.

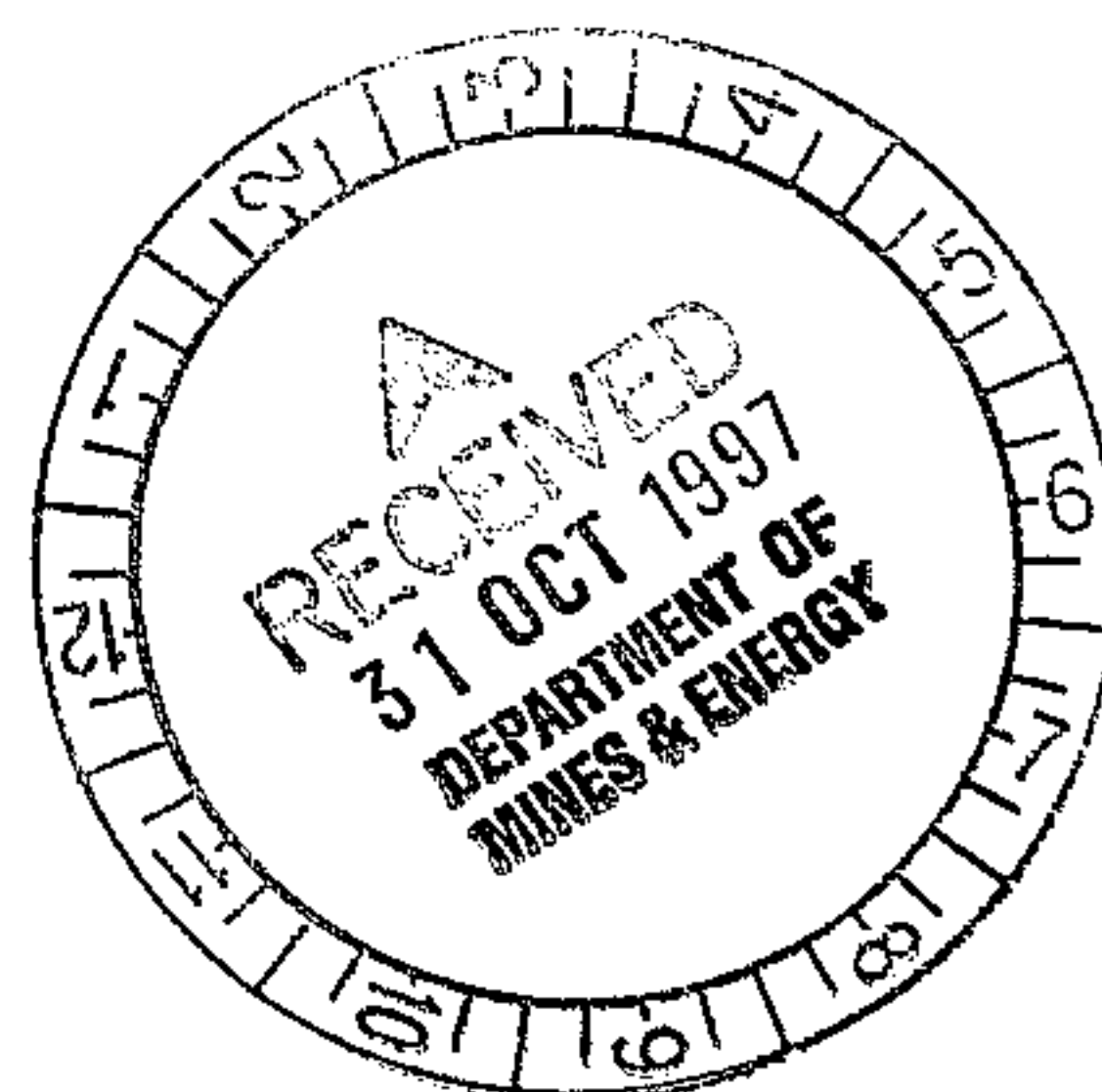
October 1997

Author:- N. Socic

NTDME

Northern Gold N.L., Adelaide River

Northern Gold N.L., Perth Office



CR 98 / 147

SUMMARY

MCN 4527 is located approximately 145 kilometres south south -east of Darwin on the Burrundie (14/6-IV) 1:50,000 scale map sheet.

The predominant rock types in the area consist of the Gerowie Tuff and conformable intrusive sills of Zamu Dolerite. These rocks have been tightly folded into a series of north - south trending antiforms and synforms typical of the Pine Creek Inlier.

The exploration and mining of the Golden Dyke area has been conducted sporadically since 1872 when small scale alluvial operations were conducted.

MCN 4527 was granted to Stuart Peter Henson on the 6th of October 1993 for a period expiring on the 31st of December 1997. The transfer of the mineral claim to Northern Gold N.L. was registered on the 31st of January 1997.

Work required to fully evaluate the region will include infill RAB drilling programs and RC drilling programs.

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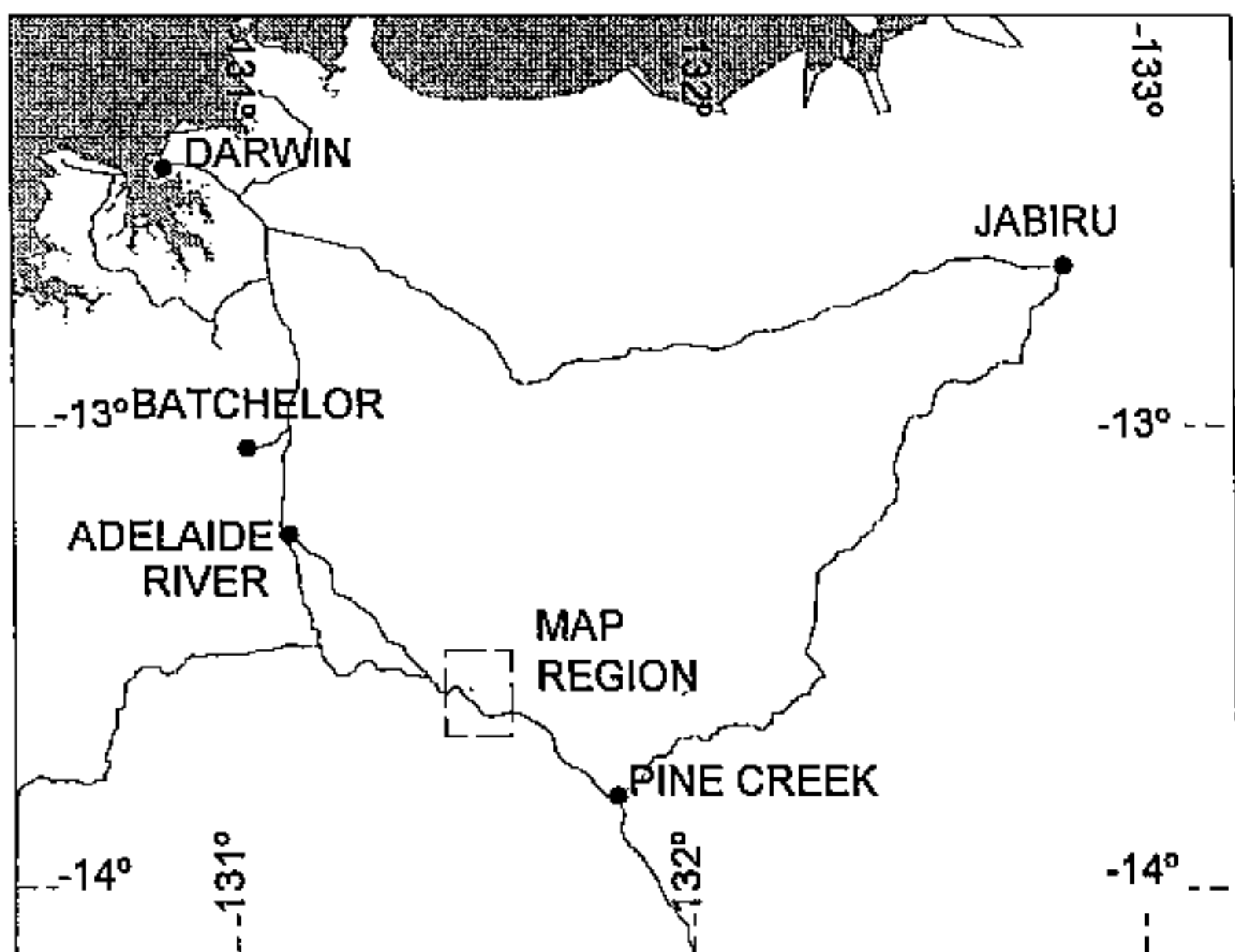
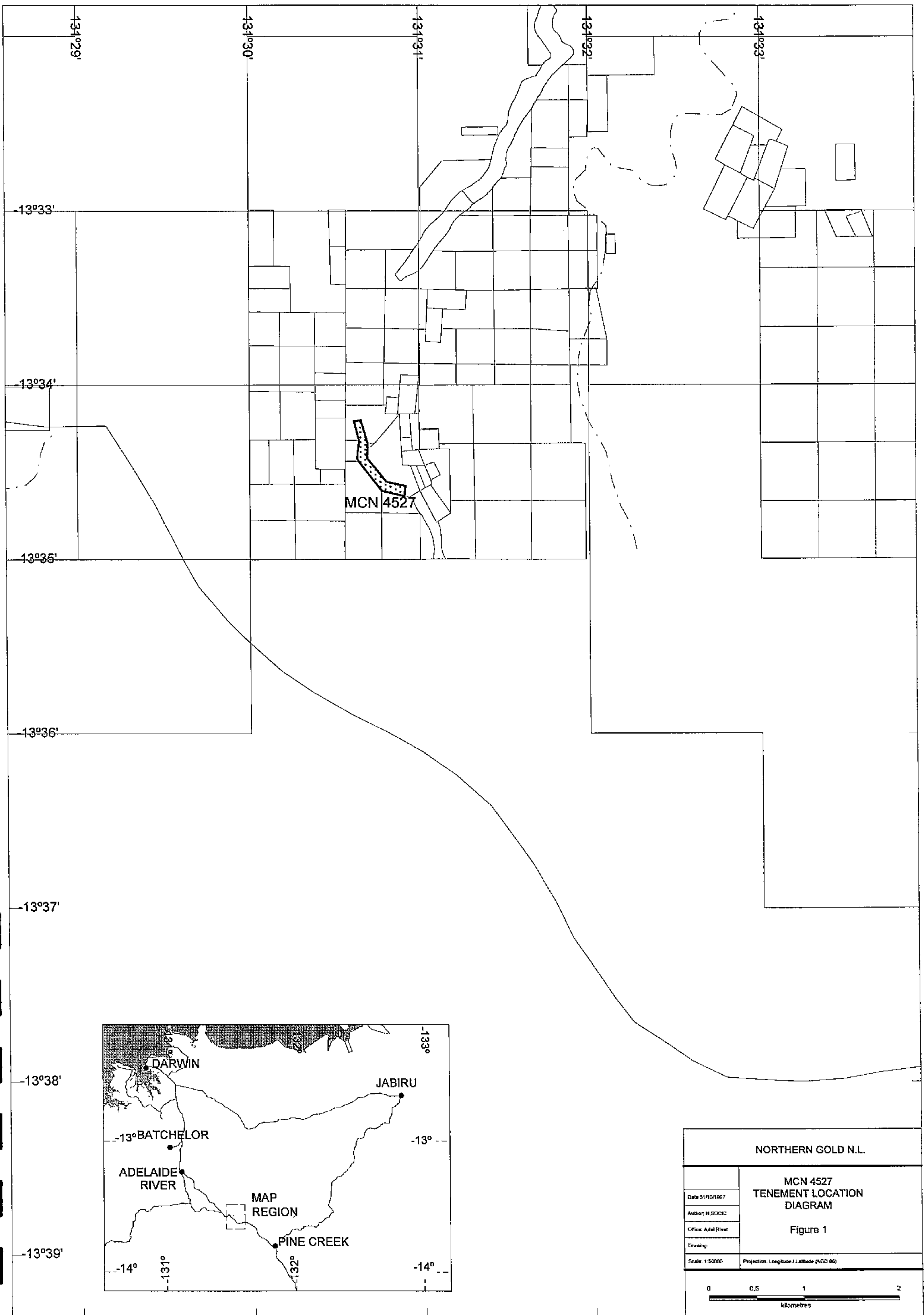
1.0 INTRODUCTION

MCN 4527 is located approximately 145 kilometres south south -east of Darwin on the Burrundie (14/6-IV) 1:50,000 scale map sheet. The mineral claim, covering an area of 9.5 hectares, lies between latitudes 13°34' south and 13°35' south, and longitudes 131°30' east and 131°31' east (Figure 1). MCN 4527 is situated within Pastoral Lease No. 903, Douglas, held by Tovehead Pty. Ltd.

Access to the mineral claim is via the Stuart Highway, past Hayes Creek and then via the Mount Bonnie Mine Road.

MCN 4527 was granted to Stuart Peter Henson on the 6th of October 1993 for a period expiring on the 31st of December 1997. The transfer of the mineral claim to Northern Gold N.L. was registered on the 31st of January 1997.

Work required to fully evaluate the region will include infill RAB drilling programs and RC drilling programs.



NORTHERN GOLD N.L.	
Date: 31/10/1997	MCN 4527 TENEMENT LOCATION DIAGRAM Figure 1
Author: N.S.D.C.C.	
Office: Adelaide River	
Drawing:	
Scale: 1:50000	Projection: Longitude / Latitude (AGD 86)
0 0.5 1 2 kilometres	

2.0 GEOLOGY

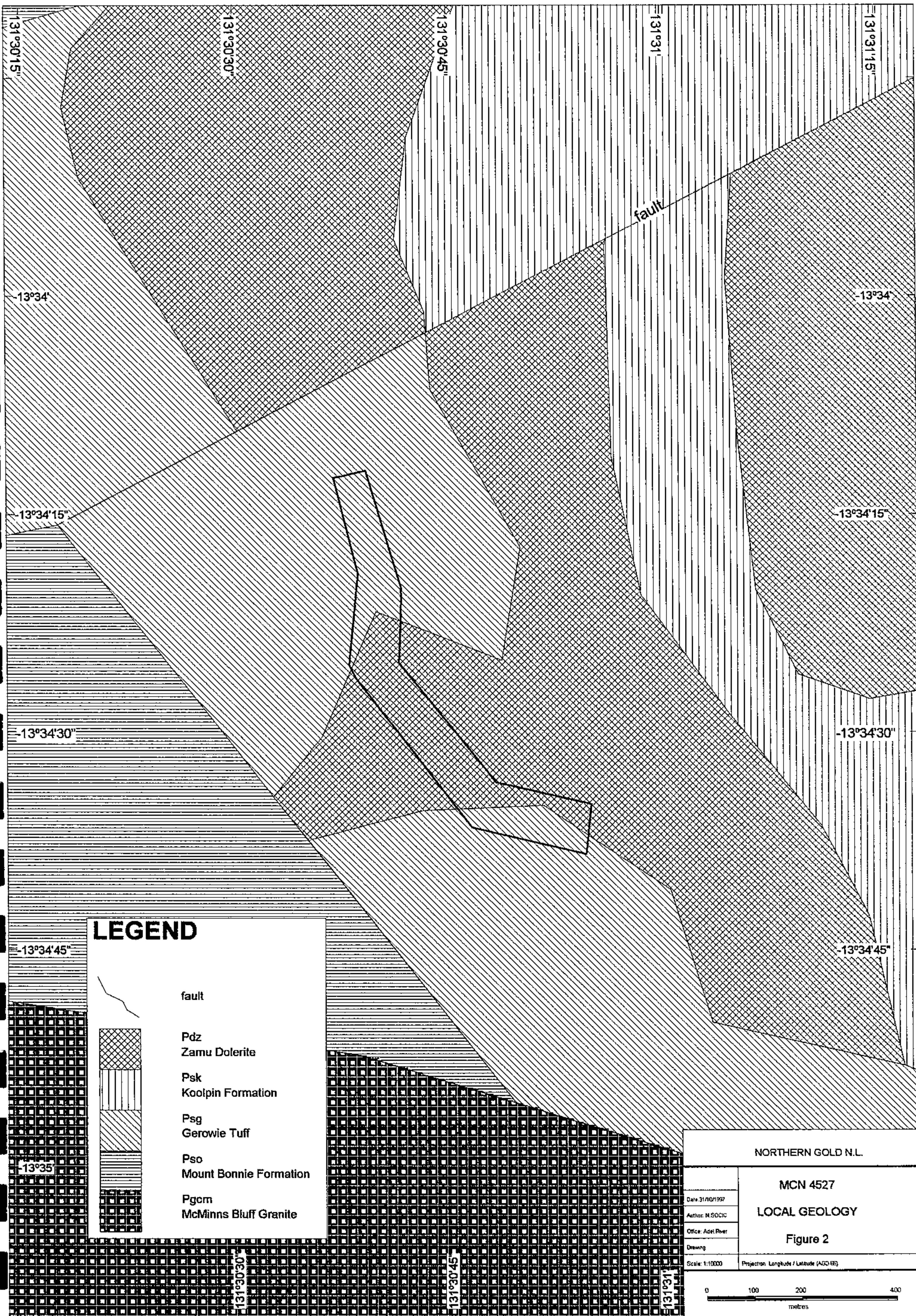
2.1 Regional Geology

MCN 4527 is situated within the Pine Creek Geosyncline, a tightly to isoclinally folded sequence of mainly pelitic and psammitic Lower Proterozoic sediments with interlayered tuff units. All the lithologies in the area have been metamorphosed to low, and in places, medium grade, metamorphic assemblages. For the purpose of this report, the prefix meta- is implied, but omitted from the rock names and descriptions.

The sequence has been intruded by pre-orogenic dolerite sills of the Zamu Dolerite and a large number of late syn-orogenic to post-orogenic Proterozoic granitoids. Largely undeformed Middle and Late Proterozoic, Palaeozoic and Mesozoic strata, as well as Cainozoic sediments and laterites, overly the Pine Creek Geosyncline.

2.2 Local Geology

The predominant rock types in the area consist of the Gerowie Tuff and conformable intrusive sills of Zamu Dolerite. These rocks have been tightly folded into a series of north - south trending antiforms and synforms typical of the Pine Creek Inlier. The topography of the area is a series of low hills with subcrop present on the flanks and ridges (Figure 2). Faulting is present in the area.



3.0 PREVIOUS EXPLORATION

Exploration and mining of the Golden Dyke area has been conducted sporadically since 1872 when small scale alluvial operations were conducted. In 1932 Golden Dyke Mine N.L. developed the main ore shoot to the 30 metre level, and carried out limited stoping. Recorded production to 1968 was 1400 oz of gold. In the early 1980's Geopeko conducted extensive trenching and drilling. In 1984 Henry & Walker acquired the area and developed four small open cut pits and treated a total of 295,000 tonnes of gold ore through the nearby Mt Bonnie plant. Northern Gold N.L. conducted soil sampling and RC drilling on leases adjacent to the mineral claim. Details of this work can be found in Hardy 1994, 1995, Nicholson 1980, 1985, 1987 and Plimer 1986.

4.0 1996/97 EXPENDITURE

MCN 4527 was transferred to Northern Gold N.L. on the 31st of January 1997. During the 1996/97 year of tenure no exploration was completed over the mineral claim.

5.0 1997/98 PROPOSED WORK PROGRAM

MCN 4527 will be included with other Northern Gold N.L. controlled tenements in the Golden Dyke/Mount Bonnie area. The claim will be assessed in conjunction with the ongoing exploration in the area, and is strategically located to provide additional information to further evaluate the potential gold resources of the Golden Dyke Project Area.

Work required to fully evaluate the region will include infill RAB drilling programs and RC drilling programs.

6.0 REFERENCES

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