SUBSTITUTE EXPLORATION LICENCE 8949

MOUNT MASSON

Pine Creek 1:250,000 map sheet area, DS-52-8
Mount Mason 1:50,000 map sheet area, 5271-2

FIRST RELINQUISHMENT REPORT
for the period ending 12/03/96

CORPORATE DEVELOPMENTS PTY LTD
ACN 009 610 271

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ROCKS PROSPECTING
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FIGURES

FIGURE 1 Tenure Location Map.
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APPENDIX 1 Target 65/31, McKeddies North, geochemical assays and field report
1.0 KEYWORDS AND SUMMARY.

Touhys style, stockwork gold L. Proterozoic Wildman Siltstone,
Mundogie Sandstone, Mason Formation Siltstone, sandstone, ironstone
Anticline, fault NW

No fieldwork has been undertaken on the relinquished ground. This ground is not considered prospective for gold mineralisation from the available geology and knowledge of this area.

2.0 TENURE.

Substitute Exploration Licence 8949 was granted to CORPORATE DEVELOPMENTS on 12/03/95 for a period of three years, combining three previous EL's 7192, 7877 and 8174.

The relinquished 11 blocks are:

30/65, 30/66, 30/67
31/65, 31/67, 31/68
32/65,
34/66,
35/69, 35/66, 35/67.

Four current MCN's (numbers 668, 669, 670, 671) which are owned by an unrelated party are located in the south western corner of block 32/67, overlying the McKeddies gold alluvials.

3.0 PREVIOUS EXPLORATION.

Carpentaria Gold Pty Ltd conducted exploration between 1988 and 1991 in part of the area under Exploration Licences 6164 and 6303. They completed reconnaissance stream sediment, BLEG and rock chip sampling, and carried out some follow-up sampling of areas delineated by BLEG results exceeding 1.0 ppb gold. Quartz vein material within these areas yielded a maximum gold value of 3.62 g/t gold from a 250 metre long zone within EL 6164. Check sampling of seven creeks within EL 6303 failed to repeat the gold values and no significant gold mineralisation was reported from rock chip sampling.

Exploration for gold was conducted by Newmont Proprietary Limited between 1989 - 1990, in EL 6171. Newmont conducted stream sediment BLEG sampling, rock chip sampling and geological reconnaissance. Their sampling identified low level gold responses (<5 ppb) which were not significant to Newmont.
SECOND SCHEDULE
(Plan of Area)

EL8949
23 BLOCKS
74 sq kms
4.0 GEOLOGY AND MINERALISATION.

4.1 STRATIGRAPHY

The predominant rock types within the Mount Masson area are those of the Namoona Group (Masson Formation), Mount Partridge Group (Wildman Siltstone and Mundogie Sandstone) and South Alligator Group. They are exposed on the apparent western flank of a broad regional anticlinal structure, the core of which has been intruded by a major apophysis of the upper Early Proterozoic Cullen Granite Batholith, (figure 3).

The Wildman Siltstone comprises haematitic red-brown and grey siltstone, red and cream banded siltstone, some ironstone, siliceous phyllite and some minor quartzite's. The Mundogie Sandstone comprises coarse to pebbly felspathic quartz sandstone, quartzite and arkose, and contains a major pelitic lens. These units are unconformably underlain by the Masson Formation comprising siltstone, slates and phyllite. The Zamu Dolerite, a massive quartz dolerite to amphibolite unit, has intruded all the sedimentary units with major bodies occurring at the Masson Formation - Mount Partridge Formation unconformity.

4.2 STRUCTURE

The regional fold axes in the sediments trend generally north-north-west with crests approximately one to two kilometres apart. Local axes, probably related to second phase or parasitic folding developed on the western limb of the regional anticline, can be as close as 250 metres apart. This second phase folding is more obvious on a regional scale in the overlying South Alligator Group sediments.

A set of later, cross cutting, structures trending either north-east to north-north-east, or east-south-east, disrupt the regional sedimentary fold axis trends causing local displacement and apparent thinning of rock units. These structures are interpreted as faults that may be related to granitic intrusion.

4.3 MINERALISATION

Numerous recorded mineral occurrences are reported adjacent to and within the area. Tin deposits occur to the north and north-east, iron-manganese deposits occur to the south, and gold prospects occur to the west and south-east, and as excluded tenements at McKeddie's gold alluvials (809300,8517250) within the licence area. This gold is probably derived from quartz veins in dolerite.

5.0 EXPLORATION MODEL.

Secondary targets were identified at the intersection of recognised mineralised trends with the Mason Formation - Mundogie Sandstone contact. However no systematic gold exploration has occurred.
6.0 FIELDWORK

6.1 TARGET 65/31, McKeddies North (807000, 8515550)

On block map sheet 65/31 a number of structural and stratigraphic trends intersect below soil cover. This area has poor outcrop and is not suitable for BLEG drainage sampling.

The target area is approximately 1.5 kilometres long and 500 metres wide. Targets being sought are:

(1) repetitions of a McKeddies style gold mineralised alteration and vein system with large tonnage - low grade potential,

(2) poly-metallic vein and stockwork mineralisation associated with the adjacent granites and localised along the contact zone.

A soils programme with samples collected at 25 metre intervals on lines at 200 metre separations was implemented to determine if such mineralised systems are present. Samples were submitted to Amdel, Darwin. All samples were air/oven dried and sieved in the laboratory to -80#. Analysis for gold, was with a 25 gram charge, by fire fusion AAS determination, that has a detection limit of 20 ppb. The arsenic was assayed by XRF method, with a detection of 2 ppm.

Gold and arsenic results are presented on figure 4, and the report by Mr D Langley describing samples collected in appendix 1. All gold values are below detection limit, and arsenic values are in the range <2 to 8 ppm. A grab sample 93512 of quartz stockwork float assayed below detection, but a 5 kg mill sample returned a tail of fine gold estimated to be about 5g/t Au, by Mr. D. Langley.

7.0 CONCLUSIONS

The soil and rock chip sampling programme at McKeddies North did not produce a gold or arsenic response that encourages follow up work.

8.0 REFERENCES.


Norgold Ltd., 1990, Notes on Exploration Results at Touhy's Prospects, Northern Territory, unpublished.
