

22. RABBIT FLAT / RED EYE (EL 2370)

22.1 Introduction

The Rabbit Flat/Red Eye prospect is approximately 50km north west of The Granites Gold Mine. Access is via the Tanami Highway to the Rabbit Flat roadhouse, then south-west along a track towards Tanami Downs homestead. The Red Eye area is approximately 7km from the Rabbit Flat turn off.

Exploration over this soil/colluvium covered prospect has previously included lag sampling, a ground EM survey, an induced polarisation survey, regional reconnaissance vacuum drilling, rotary airblast drilling (targeting magnetic highs flanking a circular magnetic low), a single reverse circulation drill hole and a single diamond drillhole. The diamond hole intersected 6 meters at 0.36g/t Au and a further 2 meters at 0.30g/t Au.

22.2 Work Undertaken

During 1992 the gold anomaly previously located by the reverse circulation and diamond drill holes was tested by a rotary airblast drilling program. 71 RAB holes were drilled for a total of 3018 meters and 998 samples. The 5 drill traverses were spaced approximately 250 meters apart, with holes centred at intervals of 200 metres.

Samples were aggregated over 3 meter intervals and assayed for gold (Analabs method 334) and arsenic (Analabs method 115).

Quartz vein material was separated out from selected drill intervals and 19 individual "rock chip" samples were analysed for arsenic (Analabs method 115), silver, bismuth, cobalt, copper, molybdenum, lead, antimony, tin, tantalum, uranium, tungsten, zinc (Analabs method 222) and gold (Analabs method 334).

22.3 Results

The 1992 drilling program identified a gold carrying quartz vein system hosted in undeformed ?hornfelsed basalts. These inferred subaerial extrusives are possibly cogenetic with the Tanami Mine Basalts, from the post Barramundi Orogeny. At the Redeye occurrence, the basalts are intruded by a granodiorite cupola. The veining is indicated to be genetically related to this granite, with mineralisation apparently influenced by wallrock interaction with the overlying basalts. Lag sampling traverses undertaken in 1991 indicate a metal zoning with, from the centre, (Au) - (Bi) + (As) - (Sb) + (Mo) - (W + Sn) and (Cu) as a discontinuous zone on the periphery.

The mineralised quartz vein system has been traced over a strike length of 1.2km. It has a north-north-east orientation. Initial assessment of the intersections indicates mineralisation averages only 0.3g/t Au over the zone tested. Quartz vein sampling has shown that the gold occurs within this material rather than the surrounding host rocks. Further interpretive work is being undertaken.

22.4 Plans

All plans relating to this section are presented as text figures.

NORTH FLINDERS MINES LIMITED

Ptilotus - Grimwade : Northern Territory

RABBIT FLAT / RED EYE RESIDUAL MAGNETIC CONTOURS SHEET H15, I15

0 1 2 3 Km
SCALE 1:25000

Fig. 22.2

DATA BY
DRAWN

AMENDED

Drg. N° 50-15, 19



