

MEMO

To: Kevin Wills, Director, Metana Minerals N.L.  
From: Keith Fox  
Date: 1st August, 1990  
Subject: EXPLORATION LICENCE 5329, JUBILEE NORTH WEST,  
TENNANT CREEK, NORTHERN TERRITORY.

E 5329, located about 10 kilometres west-north-west of Tennant Creek, comprises a single graticular block with an area of approximately 3.15 square kilometres.

Exploration to date has been confined to that completed by Metana Minerals N.L. between August, 1988 and November, 1989. This work has comprised aeromagnetic interpretation, soil sampling at 50 metres intervals along a single north-south line 1.75 kilometres long, and aerial photo-interpretation.

The soil samples were each about 2 kilograms in weight. Approximately 200 grams were split off each and analysed by aqua regia-GTA method, with the remainder being analysed by bulk cyanide leach.

The split analysed by aqua regia-GTA method is believed to have been a -180 micron fraction. This fraction would almost certainly be wind transported and the results, which are not anomalous, have doubtful validity. The samples analysed by bulk cyanide leach included the coarser size fractions and are more likely to have reflected gold in bedrock variations, although considerably diluted by wind-blown material. Results are comparable to those from a similar sample line on the now relinquished eastern graticular block of the original E 5329 where bedrock geochemical vacuum drilling follow-up failed to indicate any significantly anomalous results.

The tenement area is believed to be completely soil covered. Photo-interpretation suggests that the 280° azimuth trending major zone of shearing and alteration, previously identified on the Big Boulder Prospect, extends along the southern margin of the tenement. This structure is mostly located south of E 5329.

The area immediately south of, and adjacent to, Exploration Licence 5329 is held under mineral claims by Metana and is included in its joint venture with Placer.

A magnetic anomaly was interpreted as being present within the shear zone on the Metana claims. During discussions with Joanna Pearson of Placer in December, 1989, she indicated that Placer had investigated the claims ( and anomaly ) by vacuum and RC percussion drill sampling but had encountered neither ironstone bodies nor any significantly anomalous gold mineralisation.

The main justification for retaining this tenement was the proximity of the shear zone hosted magnetic anomaly referred to above. This feature is clearly no longer an attractive target.

In my opinion Exploration Licence 5329 has low ore discovery potential and further exploration expenditure is not justified.

Keith Fox