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From : W. J. Fraser

Nevsam A. to P. 2108 - Finniess River
Final Report

SUMMARY

A preliminary survey for uranium and alluvial tin failed to indicate any prospective areas on the A. to P. and it is considered that the area is of no further interest.

GEOLOGICAL SETTING

The Noltenius Formation sub-outcrops from the middle to the north of the A. to P., generally occurring as quartz greywackes. In the Middle Arm area it is masked by ferruginous deposits and alluvium. The Burrell Creek interdigitates from the middle to the south generally seen as greywacke/greywacke siltstones occasionally locally metamorphosed to a mica schist by pegmatite intrusion.

Plan No. N.T.40d shows the geological boundaries, after the B.M.R. 1" : 1 mile mapping on the Southport, Tumbling Waters and Mt. Tolmer sheets.
WORK CARRIED OUT

Uranium

Our airborne scintillometer survey by helicopter over A. to P. 2729 adjoining to the south (also in the Nevsam agreement) did not cover A. to P. 2108. However, the results of the B.M.R. 1952 DC3 survey of the Rum Jungle area are plotted on the geological Plan No. N.T.40d. The anomalies occurring on the A. to P. are not considered to be of sufficient order to warrant investigation. Furthermore, geological reconnaissance failed to indicate any favourable lithologies and further airborne surveys are not recommended.

Alluvial Tin

Reconnaissance on reaches of the Finniss River showed some favourable traps for heavy minerals, one (not on the A. to P.) at the Florence Creek confluence appears to have been worked a long time ago, however, they seem to be too small to warrant our interest.

WJF:ro's

W. J. Fraser

KEYWORDS

Heavy minerals – alluv., tin, uranium, alluvium, sandstone, schist, Quaternary, Lower Proterozoic, geophysics – radiometric, recommendations, reconnaissance.

Locality: Darwin SD52-4 1:250,000 map sheet
Pine Creek SD52-8 1:250,000 map sheet.

PLAN
