FINAL REPORT to COMMONWEALTH OF AUSTRALIA

MINES BRANCH

NORTHERN TERRITORY ADMINISTRATION

PROSPECTING AUTHORITY

2854

ANNINGE STATION

H. YOUNG
NIMEX - 543/72-H
MAY, 1972
This Prospecting Authority of 440 square miles is situated approximately 125 miles north of Alice Springs.

Reports had indicated the presence of tin concentrations associated with the intrusive granite of the meta-morphic rocks of the Arunta Complex.

Exploration work consisted of an airborne geological reconnaissance together with systematic stream and alluvial sampling. 247 stream samples and 59 alluvial samples were taken. Sampling indicated a weak zinc anomaly in the northern part of Prospecting Authority 2854. However, it appeared that this was probably related to weak metallogenic concentration of lead zinc in the shear zone of the metamorphic base of the Complex. The result of the geochemical survey did not justify further work on this Prospecting Authority as there was little indication of economic mineralization, see Appendix I.

The Prospecting Authority expired in January 1972.

Total Expenditure: $8,350.
LE NICKEL (AUSTRALIA) EXPLORATION PTY. LTD.

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APPENDIX I

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Fig. 1 - Geological, Geochemical and Alluvial Reconnaissance Survey. Zinc Values.

Fig. 2 - Geological, Geochemical and Alluvial Reconnaissance Survey. Copper Values.

Fig. 3 - Geological, Geochemical and Alluvial Reconnaissance Survey. Lead Values.