A STUDY OF THE MINERALISATION AT THE KITTICOOLA COPPER MINE, PALMER S.A.

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A thesis presented to THE DEPARTMENT OF ECONOMIC GROLOGY UNIVERSITY OF ADELAIDS

in partial fulfilment of the requirements for the degree of

BACHELOR OF SCIENCE (HONOURS)

UNIVERSITY OF ADELAIDE ADELAIDE, SOUTH AUSTRALIA

October, 1970

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ABSTRACT:

The Kitticoola Copper and Gold Mine near Palmer, is one of a number of such occurrences in the Mount Lofty Ranges, South Australia, but differs from the norm in that it is located within a granitic host rock, intrusive into lower Palaeosoic meta-sediments of the Kanmantoo Group.

In this study, field relationships, together with mineralogical studies of the ore and associated hydrothermal alteration are outlined and suggestions put forward as to sequences of formation.

Geochemical studies including soil sampling and rock, gossan and ore analyses are also presented together with conclusions pertaining to exploration.