

SUMMARY

Exploration Licence 27/76 is currently held by Geopeko Limited and occupies a total area of 329 square kilometres.

The Lewis River Volcanics exposed within E.L. 27/76 are considered correlatives of the Mt. Read Volcanics and thus by analogy with the Mt. Lyell - Rosebery area are potentially favourable host rocks for base metal mineralization.

Prospecting activities within this area began during the period 1890 - 1920, since that time the concensus of opinion has been that the area is devoid of economic base metal mineralization. Serious doubts exist concerning the validity of some of the exploration techniques used to form the basis of that opinion, such as low sensivity airborne electromagnetics and shallow soil geochemistry.

This report details the nature and results of Phase 1 of the exploration programme which incorporated two field seasons activities and involved the following methods:

- 1. Regional: (1976-77)
 - geological mapping and rock sampling at 1:10,000 scale.
 - 545 stream sediment samples for geochemical purposes from the southern portion of E.L. 27/76.
 - 358 rock samples collected, sawn and examined for regional mapping purposes.
 - 21 rock samples petrographically examined for geological map compilation.
 - 80 rock samples geochemically analysed for regional backgrounds and trends.