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During April 1975 B.H.P. contracted Geoex. Pty. Ltd., to fly a H400 helicopter borne magnetic and electromagnetic survey over the Lewis River area of South-West Tasmania. This survey encompasses the total area of E.L. 27/76.

All previous workers have concluded that the area is devoid of economic base metal mineralization. All prospects found so far have been considered to be of insufficient grade and tonnage to warrant further interest. Geophysical and geochemical methods have been used without success for the detection of less obvious mineralization.

There is however, some doubt concerning technical validity of several of the exploration tools used, namely airborne electromagnetics, geochemical stream sediment sampling and soil geochemical sampling.

The airborne electromagnetic surveys carried out prior to the 1975 Geoex H400 survey were of low sensitivity, and geochemical techniques may have been effected by the geochemical environment. Both methods strongly influenced the assessment of the Lewis River Volcanics by L.E.E. and B.H.P.