

PREVIOUS WORK

The grid was previously mapped by Mr. G.F. Pigott (see interim report on Renison East Grid GAP, 1978). This report, based on the mapping of grid lines, spaced approximately 200m apart, recognised the following rock types:-

1. Serpentine Hill Complex : comprises olivine-rich rocks namely harzburgite, pyroxenites, and their serpentinitised and sheared equivalents. Lenticular pods and inclusions of amphibolite and gabbro were mapped in the Ring River outside the immediate area under discussion.
2. Basaltic Complex : a sequence of extrusive lavas lacking evidence of pillows. In addition, are associated breccias with angular clasts of gabbro, granophyre and basalt in a flow banded basaltic matrix.
3. Conglomerate Lithicwacke Sequence : coarse clastic rocks which conformably overlie the basaltic complex.
4. Argillite Sequence.
5. Glacial Deposits.

WORK COMPLETED

1. Surveying : Because of the close proximity of this grid to the operating Renison Bell Tin Mine, an additional 5 kms of grid lines were cut and flagged during February 1980. These new grid lines were cut intermediate to the existing lines, such that the entire grid consisted of lines approximately 100m apart. In addition the entire grid was extended some 100-200m westwards. This decision was taken because of the uncertainty of the position of our western lease boundary. Contract surveyors were requested to survey the Ring River road from the Ring River itself to the Murchison Highway. This survey was tied in with the existing tape and compass surveyed grid lines. The positions of the contract surveyed star pickets are shown on TAS/2/2104.
2. Geological mapping : All grid lines - both existing and newly cut lines - were mapped for a total of 7.1 line kms. In addition the eastern margin of the grid, as defined by the Ring River road, was also mapped. The resulting geological data are plotted on TAS/2/2104. Representative samples for petrological examination were collected and the petrological report (Pontifex and Associates Pty. Ltd., No. 2878, 6th May 1980) is included within the appendix.
3. Geochemical surveys : All newly cut grid lines were sampled by hand auger at 20m intervals. Soil samples from the C horizon were collected and sent to Analabs for analysis of the -80# dried soil. Cu, Pb, Zn, As and Ni were analysed by AAS whilst Sn was by XRF.