

3. REGIONAL COMPILATION PROJECT (J.G. Purvis)

This project, commenced in late 1979 as a joint venture between Mt. Lyell, E.Z. and Getty, was completed in June 1982. The compilation will be used during the 1982-83 year for the purpose it was intended - to assist a better understanding of the distribution, controls and geochemical/geophysical expression of mineralisation within the Mt. Read Volcanics, with this understanding being used to guide future exploration programmes more effectively.

The aim of the project was to provide a synthesis of all regional geological, geochemical, geophysical and metallogenic data from the Mt. Read Volcanics, from north of Que River to South Darwin Peak. The following plans were compiled at 1:50,000 scale:

1. Base Map
2. Grid Base Map
3. Fact Geology
4. Generalised Geology
5. Structural/Landsat (Landsat interpretation by Technical and Field Surveys Pty. Limited)
6. Geophysical plans (Compiled by Dr. J. Bishop of Mitre Geophysics)
 - (a) Aeromagnetics
 - (b) Ground Magnetics
 - (c) IP Coverage
 - (d) IP Chargeability
 - (e) IP Resistivity
 - (f) Airborne EM
 - (g) Ground EM
 - (h) Airborne Resistivity
 - (i) Gravity/SP
7. Geochemical Plans (Compiled by Dr. A.S. Joyce of Geobase)
 - (a) Soil Geochemistry
 - (b) Rock Geochemistry
 - (c) Stream Sediment Geochemistry (to be completed in 1982-83 year)
8. Mineral Occurrences
9. Metallogenic Plan
10. Cultural Features Plan
11. Topography
12. Hydrothermal Alteration (Compiled from the study by Dr. C. Eastoe of the University of Tasmania - see Section 4)