

APPENDIX 1

SURVEY SPECIFICATIONS

The airborne geophysical survey carried out by the Tasmania Department of Mines was flown during May 1981. The survey was contracted to Geoex Pty. Ltd., Unley, S.A., and covered an area on the West Coast of Tasmania bounded by 41 deg. 20 min. south, 145 deg. 45 min. east and 42 deg. 27 min. south. The western boundary of the survey area was the coast line. This area is located on the Burnie (SK 55-3) and Queenstown (SK 55-5) 1:250000 map sheets. The survey specifications were as follows;

Aircraft.....Cessna 185E
Magnetometer....Sonotek IGSS1 System
Line Spacing....500 metres
Sensor Height...135 metres

Although the notes attached to the maps indicate that a radiometric survey was flown in conjunction with the aeromagnetic coverage this was not the case (confirmed by Geoex 1983). The I.G.R.F. was subtracted from the Total Magnetic Field and a three point filter was applied. The data were gridded using a 125 X 125 metre mesh and the results presented as Total Magnetic Intensity Contours using a minimum contour interval of 5nT. The presentation scale was 1:50000 along with photoreductions to 1:100000, 1:250000 and 1:500000.