

F. SHEET 3, LEA RIVER AREA.Fluxgate survey:

This sheet has not been surveyed with proton precession magnetometers. The fluxgate survey is a mixture of reading at 25 m intervals along 25 m, 50 m and 100 m north-south lines, as shown on data sheet TAS-78-140. Contours are on TAS-76-49.

An active magnetic zone occurs south-west of the Stormont mine and corresponds to small mapped magnetite skarns. The small high intensity anomalies here suggest that the skarns are small and shallow.

Slightly larger (areally) anomalies occur just south-east of the Stormont mine in areas mapped as alluvium, greybilly and basalt. Magnetite skarn must underlie these rocks at shallow depth. They are unlikely to be thick but the high Bi and Au content of the calc-silicate rocks at the Stormont mine could indicate that the overlying magnetite skarn at this point could be rich in Bi and Au. It is therefore recommended that the area be resurveyed with proton precession magnetics for confirmation of the anomaly, then two vertical drill holes at say 3125W/1575S and 3075W/1650S be drilled to test it.

A low order anomaly about 150 m x 75 m is centred at 2750W/1575S. Basalt soil is mapped here. It is recommended that the anomaly be checked with a proton precession magnetometer survey, and drilled if promising intersections are found at the previous two recommended drill sites.

Patchy low order anomalies in the south east corner of the surveyed area could be due to incorrect calibration of the instrument because +500 gamma readings are obtained over sandstone. The area should be resurveyed by proton precession if the surveys recommended above are carried out.

Anomalies west of Fletcher's adit are areally small which suggest that magnetite skarns are small. However non magnetitic skarns and calc-silicate rocks similar to those at the Stormont mine could be prospective here because of the relatively high Sn, W, Bi and Au values found in rock samples from this area.

Centred at 2000W/600S there is a low order anomaly, dimension about 150 m x 75 m, in an area mapped as basalt. This area lies within the Iris River fracture zone. The survey here is patchy and this area should be re-read if a proton precession magnetic survey is conducted in the area.