

SHEET 18 CONTD.DETAILED:

18/1: Occurring near the Lyell Shear this E.M. trend has ratios greater than or equal to 1.0. Whilst magnetics are flattish, it is in the vicinity of an E-W breaking trend and in the vicinity of the displacement of the fold axis in the Ordovician Owen. Correlation with a creek or change in ground-aircraft clearance is probable.

To the south, a number of E.M. peaks occur which can probably be correlated with drainage and/or Tertiary boundary.

18/2: To the east of 18/1, there is an E.M., N-S trend correlated with drainage in the vicinity of PP 16. Further east, (in the vicinity east of PP 92) another E.M. high trend with some good ratios can probably be correlated with drainage and/or the Ordovician Owen-Cambrian Dundas junction. Thus 18/2 is on a magnetic high trend but terminates short of the maximum intensity region.

18/3: This small broad E.M. anomaly occurs north-west of PP 17 in Cambrian Dundas and in a flattish magnetic area although on the breaking trend. To the north east and south there are some fair ratioed E.M. highs. Correlation with altitude change is possible.

18/4: With a ratio of 1.0 and occurring (compare west of PP 18) between a linear and the Cambrian Dundas-Ordovician Owen junction in Ordovician Owen, this E.M. anomaly is in the vicinity of a distortion of the magnetic pattern and hence appears very favourable geophysically, except that when altimeter trace is shifted laterally about 850 feet there is a faithful fit with the high frequency response. Thus this anomaly is now suspect and the magnitude of this displacement is surprising.

18/5: In Ordovician Owen (compare east of PP 18) it is characterised by ratios of the order of 0.3 to the north and 0.5 to the south. There is possible association with a linear and drainage. It is a magnetically low area.

Some Comments on the pre-Cambrian, Davey Group.

The pre-Cambrian, Davey Group is considered an unfavourable host rock environment and so in general the time dispensation has been allocated accordingly. Regarding this sheet, however, which was investigated chronologically earlier, it was considered that it would be instructive at least, to deal with it somewhat more deliberately although by no means meticulously. A factor influencing this decision was that it was apparent that this area provided some