SHEET 17.REGIONAL CONTD.

(iii) Increase in effective areal extent of intrusive bodies in this area.

Within the Cambrian Dundas the magnetic picture is quite complex with a distinctive serpentinite.- ultrabasic band (compare PPs 05 and 91) extending south from sheet 14 near the western margin of the Cambrian. This has an accompanying E.M. high trend,17/4.

Between this trend and the previous one mentioned there is some suggestion on both magnetics and E.M., (17/6), of a major trend line (fault?) in a flexuous NW-SE direction.

The small area of Mesozoic rocks exposed on the west coast,with a few exceptions,exhibit low E.M. response and minor reflection of structures in magnetics.

DETAILED:

North West Corner of the sheet contains some E.M. highs coincident with magnetic highs and continuing from Sheet 14.

17/1: Seems to be an extension of 14/5 and has a ratio of 1.76 but is subject to strong drainage influence in this region.

17/2: Is also an extension from Sheet 14 with one anomaly 17/2a of ratio 0.82 coincident with a small magnetic high of about 250 gammas, but again probably being influenced by drainage. As a whole this trend is very broad and correlates with the altimeter trace, whilst 17/2a is a small broad anomaly not so suspect on these grounds. The vicinity of 17/1 and 2 appears to mark the position of displacement of the major magnetic trend to the east.

17/3 and 17/4: The eastern branch of 14/6 continuing south (near PP 05) seems to follow fault and magnetic high trend for about 10,000 feet with several ratios of the order of 0.8. Then it swings east of the fault still following magnetic high and being strongly influenced possibly by a river. It follows the magnetic high, which has successive peaks of the order of 800, 400, 400, and 1700 gammas, almost to the Spero River.

The reason for the differentiation into 17/3 and 17/4 is that there is a discontinuity in the trend just south of PP 05 which may be arising from a height effect on Line 609.

Near the Spero River mouth, the E.M. pattern is complicated by strong drainage influence. There is an E.M. high at Line 596 (Frame687) coincident with the magnetic high peak over the known serpentinite body which is well delineated on magnetics.