



42A05NW0137 63.662 WHITESIDES

# McPHAR GEOPHYSICS LIMITED

## REPORT ON THE ELECTROMAGNETIC SURVEY OF PROPERTY IN WHITESIDES TOWNSHIP, ONTARIO, FOR BROULAN REEF MINES LIMITED

### 1. INTRODUCTION

At the request of Mr. B. W. Lang, a reconnaissance electromagnetic survey was performed on a property in Whitesides Township, Ontario, during September 1955. The work was carried out on behalf of Broulan Reef Mines Limited in the hope that some indications of subsurface massive sulphide mineralization might be found by this method.

### 2. PRESENTATION OF RESULTS

The field results of the electromagnetic surveying are presented on the accompanying map No. E4227 at a scale of 1" = 200'. The method of presentation is as indicated on the legend of the map.

The conductor axes have been shown on the map with the appropriate symbols. They are confined to the area between lines 0+00 and 16+00W in the general vicinity of station 7N, and also station 16+00N on lines 8+00W and 12+00W.

### 3. DISCUSSION OF RESULTS

The conductor axes lie in the general area of a lumber camp and might, therefore, be caused by man made phenomena such as water pipes. However, since mineralization is known in the

neighbourhood of the camp, the location of each conductor axis should be investigated in an attempt to determine the cause of the anomaly. If surface investigation does not prove to be satisfactory, two short drill holes might be necessary provided that no water pipes or other artificial structures are suspected. These might be collared as shown on map No. E4227.

The rest of the property appears to be uninteresting on the basis of the electromagnetic results alone. No further work is suggested at this time for any area other than that surrounding the lumber camp.

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