

TO Mr. P.D. Ellis

REFERENCE WJL/sgl/602

FROM W.J. Langron

DATE July 2, 1982

DIGHEM DATA, EL 15/76 (DUNDAS) TASMANIA

I have examined the DIGHEM results from this survey and have drawn up a classification of anomalies for ground follow-up. I have based this classification mainly on physical response and the need to examine some even poor-looking anomalies in a variety of environments.

Some responses commented upon in the DIGHEM report are omitted from my list; on the other hand, some responses I consider worthy of follow-up are omitted from the DIGHEM list. What I am trying to do in the first instance is to get a "feel" from the response of the system over a variety of geological conditions. Eventually, all the anomalies noted by DIGHEM in their report should be examined on the ground. I feel that even minor responses may be significant, but this requires to be shown.

Attachment A contains a full list for follow-up within the E.L. Attachment B contains such a list of anomalies for CSR follow-up outside the J.V. areas.

The most promising results are in the north-central and N-E portions of the tenement and, in particular, on the northernmost flight line. The most impressive single response is over Pine Hill (Renison ground). Other promising responses in the N-E (Montezuma J.V.) portion of the tenement persist into our ground and appear to be bedrock conductors although it is suspected that some of these are graphitic shales. There is little of interest on the records for flight lines south of Line 35 (possibly south of Line 32).

Attachment B contains about 2 dozen anomalies for follow-up. From these, 8-10 anomalies are within the "Razorback" lease, which means that only about 15 anomalies are left for examination in our area. Again I stress that any one of these, even a minor response, may be significant and we have to establish this aspect.

I have discussed the results briefly with Mr. Macnamara and from his comments and using the geological overlay it seems that some anomalies are:

- on (or on the continuation of) fault zones (e.g. Anom. D, Line 32)
- on the edge of serpentinite (e.g. Anom. C on Line 19)
- on serpentinite and/or crocoite workings (e.g. Anom. A on Lines 34, 35)