

MEMORANDUM

To: R.E. Thurmond
From: R.S. Adamson
Date: November 23, 1966
Subject: ZONE NO. 2, 3 AND 4 GEOLOGY

A map (WA-28) accompanies this memorandum explaining our views on exploration of the No. 2 and 3 zone areas.

ZONE 2

Outlined in a red dashed line is what might be considered ore in Zone 2. The north boundary suboutcrops, the west boundary is faulted, the eastern contact is intrusive, and the southern boundary is represented by a 30 foot bench of mineralization. Within this area an indicated 3,080,000 tons of ore occur with an average thickness of 35 feet. The strip ratio is approximately 2 to 1. Continuity within this zone is firmly established by diamond and rotary drilling (9 holes) with the sole exception of DDH 65-50. This hole should be either redrilled or else surrounded as recommended, in view of the very poor core recovery (52%).

Zone 2 mineralization extends south where it lenses out as indicated by the dotted red line.

In addition to the mineralized horizon outlined, two deeper mineralized beds are indicated by the IP survey. The yellow bars along the IP survey lines define the lower zones. In view of the 20° south dip on No. 2 zone beds, these IP anomalies are not to be regarded as necessarily the areal limits of these mineralized beds. Further continuity may be established by drilling down dip to the south and west to the fault in each case.

None of the diamond or rotary drill holes in the No. 2 zone area have been drilled deep enough to test these lower anomalies.

ZONE 3


The mineralized section in DDH 66-E5 encountered at about 250 feet likely represents a downfaulted extension of the zone established by diamond drill holes 66-E1 and 66-E4. It's doubtful that Zone 3 (E) mineralization is directly related to indicated mineralization north of the EW Fault, although this may be the case.

ZONE 4

This area immediately north of the EW Fault and lying essentially

between lines 32 and 48 West is an attractive exploration bet. Unfortunately with the exception of line 32 West, very limited IP was carried out over this area. In any case the southeastern Pennebaker hole and DDH 66-E6 ought to give us a start with regard to investigating this zone.

The accompanying map is being sent under separate cover.


R.S. Adamson
Exploration Chief

RSA/ew

cc: C.H. Macdonald