

KERR ADDISON MINES LIMITED

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To G. M. Hogg

From W. M. Sirola

VANGORDA PROPERTY - GRAVITY INTERPRETATION

Subject BY R. B. GALESKI

Date January 31, 1974

✓ W.J.
✓ D.M.H.
✓ G.M.H.
~~M.D.R.~~
I.D.B.
R.D.S.
G.R.
T.W.B.

E.C.J.

Enclosed is a copy of Galeski's report and a residual gravity map together with a composite surface map on which Werner Gruenwald has superimposed the outlines of the residual gravity anomalies as determined by Galeski.

There is nothing particularly new in Galeski's work except that in the case of his anomaly A in the vicinity of Doal Lake, he has attempted depth and thickness calculations and resulting tonnage calculations. Basically he has done the same thing as we did on the section we drew through A1, A4 and Doal Lake except that he has given the anomaly a larger amplitude (0.7 milligals) and he has used a higher density (3.6) and a thinner mass (60 feet). He shows a depth to the top at Doal Lake of 270 feet, a depth to the top along the south side of 400 feet and a tonnage of 35 million. Galeski's width on this anomaly is approximately 3000 feet on the line of our section whereas we indicated approximately 3400 feet.

Anomaly B was predicated on the gravity nose shown on the composite map which extends from the Champ No. 4 claim to the north end of the Beth No. 3. In my view this anomaly (as well as anomaly A) is still subject to two interpretations because of relatively deep overburden on the west flank of anomaly B. This was illustrated in drill hole A2 which had 100 feet of overburden. Galeski has estimated a positive mass 125 feet thick, buried 535 feet and containing 90 million tons but I suspect that his depth estimate of 535 feet was chosen largely because diamond drill hole 167 reached a depth of 502 feet without encountering massive sulphides.

It would be wrong to discount either anomaly in the light of the drilling results in holes A1 and A4. With present metal prices the possibility of underground mining in this situation could not be entirely discounted and I fully expect that further drilling will outline a replacement zone of sizeable dimensions in the vicinity of Doal Lake. Should this come to pass then anomaly B should be investigated by several drill holes deeper than 500 feet.

WMS/rb

Enclosures (3)

W. M. Sirola

Bice

Galeski produced a very encouraging report, and although gravity interpretation is open to question, as Bill Sirola notes, the results in holes A-1 and A-4 would lend credence to the interpretation

WMS Feb 4/74