

KERR ADDISON MINES LIMITED

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To P. M. Kavanagh From W. M. Sirola

Subject Ramsey Creek Group - Magnetic Coverage Date October 30, 1967.

- W.S.R.
- K.C.G.
- J.H.S.
- E.F.
- R.D.S.
- B.C.B.
- P.M.K. ✓
- G.W.M.
- R.O.M.
- C.K.W.
- J.B.S.
- G.P.R.
- K.F.L.
- J.L.B.
- E.C.J.

In reply to your number 4 observation in your October 26th memorandum, I would advise that we did not fly the Nicodemus Creek section but our reconnaissance coverage by magnetometer and EM-16 is, I think, sufficient to eliminate the need for additional flying. I do feel, however, that it would be in our best interests to enlarge on the ground geophysics picture this winter and we will try to do this when weather conditions are most expeditious. Usually this work is best done in this province during the month of March when the more severe weather has terminated and one can expect a crust on the snow. This additional work is important from the standpoint of determining whether the magnetic trends are linear thereby indicating lava flows of differing magnetic characteristics versus intrusive rocks which tend to have no linear characteristics.

*Bill*

W. M. Sirola.

WMS/lk

# KERR ANDERSON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

OCT 24 1967

*Acting*  
*Mag.*

To P. M. Kavanagh From W. M. Sirola

Subject Ramsey Creek Project - Magnetic Maps Date October 20, 1967.

W.S.R.
K.C.G.
J.H.S.
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E.C.J.

These maps were prepared from a survey made by Alan Groome in the interval September 22nd to October 3rd. The work was done with the MF-1 magnetometer but unfortunately, Mr. Groome was not acquainted with the latitude adjustment of the instrument. Consequently, a cruder magnetic scale was used than would have been desirable. However, the pattern which emerges is clear enough.

There is only one distinct linear feature (a magnetic high) on the 600-scale sheet. This is coloured in green. I have shown apparently linear features northeast of the magnetic high on Lines 0 and 30S. However, this is conjecture and these areas of comparative magnetic low coloured in orange and bounded by 12,000 gamma contours may well in the final analysis be amoeba shaped. There is insufficient coverage to determine which is the case at the present time.

The grid portions of these maps on either side of the base line suggests underlying plutonic rocks and there appears to be a distinct warping of the magnetic high around this plutonic mass on its northeast side. We anticipate from previous contouring of aeromagnetic data that the same <sup>pattern</sup> ~~pluton~~ will emerge on the southwest side of the pluton if and when additional magnetic work is done.

In most cases, the strong I.P. anomalies are not in the areas of magnetic low coloured in yellow, but are more prone to occur on the fringes of these areas. This could indicate pyritization on the fringes of the magnetic lows.

Not all of the areas encompassed by magnetic lows are necessarily intrusive in nature but probably contain remnants of volcanics in an underlying pluton.

*Bill*

W. M. Sirola.

WMS/lk  
Encl. (2)