

PELLEY RIVER MINES LIMITED

Exploration Progress Report

December 1966

A review of the exploration program for Pelly River Mines Limited was presented at the September board meeting of that Company. Since that time, additional work has been accomplished consisting of the following:

1. All fractions have been staked and transferred to Pelly River Mines Limited.
2. Assessment work reports have been filed bringing all claims to a common date of July 1, 1971.
3. Completion of a gravity survey of the Bill Group.
4. Completion of a gravity survey of a portion of the Bob Group.
5. Completion of an IP Survey covering a portion of the Bill claims.
6. Completion of diamond drilling of the gravity anomaly on the Bill Group.
7. Preparation of a comprehensive report on the 1965 and 1966 exploration of Pelly River Mines Limited claims is now underway.

At this point, certain conclusions and recommendations have been developed and are stated as follows without dwelling on detail.

CONCLUSIONS

"Excepting the southern half of the Bob claim group and the Lake group, the Pelly River Mines Ltd. property is underlain by favorable Mye formation rocks. For this reason, the exploration potential is considered

to be high. However, virtually all of the airborne magnetic and electromagnetic anomalies that occur on Pelly River ground have been tested by ground geophysical surveys and rotary or diamond drilling, with negative success.

With regard to further exploration on the Pelly River Mines claims, it will be necessary to adopt techniques designed to uncover more subtly hidden ore bodies; that is, those that are perhaps deeper or of a non-magnetic and non-conductive character."

RECOMMENDATIONS

"Mye formation terrain, largely gently undulating, lends itself well to gravity surveys. Therefore, gravity surveys over the remaining claims not surveyed by gravity techniques are in order. These claim groups are most of the Lo, the Joe, and the Tie Groups.

On the other hand, Vangorda formation terrain is generally not conducive to gravity techniques in view of the 'cuesta' topographic and the basic nature of the volcanic extrusive and intrusive rocks. In addition the Vangorda formation is stratigraphically higher than the Mye formation and removed from the batholithic contact which may be an important control in the district, so that there is a somewhat lower probability of success. On this basis a complete geochemical survey coupled with geological mapping to define favorable quartzitic horizons is recommended for that part of the Lake and Bob groups not yet investigated by geochemical surveys. Resulting geochemical and geological anomalies should be subjected to exploration by IP geophysical techniques."

Anvil exploration personnel are presently compiling and reviewing all exploration data. This will continue throughout the winter months. A 1967 exploration program for Pelly River Mines Limited will be developed during this period in accordance with the above recommendations.

R. E. Thurmond
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