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Hotel Grosvenor

840 HOWE STREET

VANCOUVER, B. C. November 8 1926

CANADA

Mr. J. S. Bache,
President,
Dome Mines Limited,
42 Broadway,
NEW YORK, N. Y.

Dear Sir:

Re "Northern Light" claims,
Portland Canal District, B.C.

I received instructions from Mr. H. P. de Pencier by wire today to forward copy of my "Northern Light" report direct to your office.

The report was mailed from here to South Porcupine six days ago with all plans and data. The report was hand-written and I have no copies here. However, I give below the essence of the report.

The week October 24-30th was spent in the Portland Canal district. The Northern Light group was examined and neighbouring producers were visited. The managements of the Premier and the B. C. Silver gave every facility to inspect the mine plans and underground workings.

NORTHERN LIGHT GROUP, Portland Canal Mining Division, B.C. Eleven claims and fractions, 295 acres, bounded on the south by the Premier property and on the south-east and east by the B.C. Silver (Selukwe). Situated in glaciated valley of Cascade Creek, at average elevation above sea-level of 1,000 feet. Good water power and timber.

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Five surface showings; average width 6 feet. Width of pay streaks - 2 feet. Samples over mining widths show values in gold and silver of less than \$5⁰⁰, with one of \$12⁵⁰. Lead-zinc content of present showings too slight to be seriously considered. Ore-shoots apparently short and discontinuous. A tunnel 40 feet long ran out of ore in the first few feet. Premier had option on property, diamond-drilled two 500-ft. holes, obtained values of \$3⁵⁰, and dropped option. Erosion probably much more profound than on steep hillsides where are located the producing zones of Premier and B.B. Silver, at elevations averaging 800 feet higher.

Premier Gold Mining Company Limited

Producing zone a minimum of 1250 ft. from Northern Light boundary. Trend of main ore-zone north-east. Dip north-west. Cut off from Northern Light by intervening claims of the B.B. Silver. Premier ores at lower elevations similar to Northern Light are low-grade and unworked. Bonanza ores largely mined out. Handling 750 tons of ore daily. 425 tons through mill. Mill-heads \$14⁰⁰. Siliceous and higher grade ores direct to Anyox and Tacoma. Mining and milling costs \$5⁵⁰.

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Freight to Tacoma \$3⁰⁰ ton. Two years ore broken in stopes.

B. C. Silver Mines Limited

Controlled by Selukwe company of London. 38% of stock held by Premier. Will receive some of Premier ores at depth. Main ore zone 1600 feet from Northern Light. Some high-grade found, but quantity of ore indicated not in any way comparable to that found on Premier. About an even chance of finding enough ore to warrant a mill.

Summary and Conclusions

1. There is no chance for the Northern Light to receive any of the ore at present developed on the Premier or B. C. Silver except at great depth. Even should the ores persist to such depth they will be primary and low-grade.
2. Although the geology is similar, the Northern Light group occupies an inferior position topographically to the Premier, lying as it does in a glaciated valley with an average elevation of 800 feet lower than the producing zone on the neighbouring

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Premier and B. C. Silver. Any enriched zone on the Northern Light would therefore probably have been largely removed by erosion.

3. The Northern Light group must therefore stand on the merits of its own showings. These are considered to be too meagre both in value and size to be of further interest to this company.

4. It is therefore recommended that the group be released.

Respectfully submitted,

V. A. James

V. A. James
Field Engineer.