

Northern Light Group
862015

COPY ONLY.

29 WINCH BUILDING,?
VICTORIA, B. C.
Sept. 6, 1926.

J. S. Bache, Esq.,
% J. S. Bache & Co.,
42 Broadway,
NEW YORK, U.S.A.

Dear Mr. Bache:-

I am sending you the enclosed data of a property in the Portland Canal District, B.C. that I think might interest you, as the property is next to the Premier Gold Mines and the B. C. Silver Mine, and I see no reason why the Northern Light (the property mentioned) should not develop like the former.

I am enclosing you a copy of a letter written me by Prof. W. Lindgren who you may know is familiar with all the workings of the Premier Mine, and he thinks the Northern Light is valuable.

I am certain that very excellent results would follow further work on this property accompanied with diamond drilling which would open up four very strong veins. I consider the assays and its geological position with the strong veins quite guarantees its commercial value.

I would appreciate an early response in case you may be interested and would have your Engineer examine the property to verify statements made in the report.

In case you wire me, please do so at my expense.

I hope this property may suit you and that at a later date I may have again the opportunity of seeing the delightful art collection you have in your home.

I submit the following terms of payment and conditions:
\$175,000. to the vendors for an 80% percent interest.

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\$ 7,000.00 down for the option after examination.

\$ 8,000.00 to be spent on the property before 1st Jan. 1927.

\$30,000.00 to be paid on or before the 15th Dec. 1926.

\$65,000.00 to be paid on or before the 15th Dec. 1927.

\$65,000.00 to be paid on or before the 15th Dec. 1928.

\$175,000.00 TOTAL.

All titles are perfect to the property, a good motor road to it, which Mr. Pitt of the Premier tells me his Company has paid \$160,000 for building and perfecting and work could be commenced on ore at the side of the road, immediately.

The \$7,000.00 paid for the option and the \$8,000.00 expended on work would be deducted from the final payment of \$65,000.00 making a total cash payment of \$160,000. The vendors retaining a twenty per cent (20%) interest.

Very Sincerely yours,

(signed) C. A. MacKenzie.

COPY.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CAMBRIDGE A. MASSACHUSETTS.

June 8, 1926.

Mr. C. A. Mackenzie,
18 Mount Edwards Apt.,
1002 Vancouver St.,
VICTORIA, B.C.

Dear Mackenzie:-

In reply to your letter of May 9th, I have had quite a time here getting the graduation out of the way, and my Summers plans have been a little indefinite until now.

As my plans are laid for the present, I shall have to go to Gerome, Arizona for the next month or six weeks, and after that I am due in Butte in connection with some work for the Anaconda Copper Company. I am afraid that I shall not be able to get the time to run up to Stewart District, but I am sure that I would like to visit it very much. However, with all those things on the docket my time is going to be very short.

I trust that I may be able to run over to the West Coast for a day or two and shall try to look you up then or get to Victoria if possible.

The general situation of the property would appear to be very favorable, and I should think there might be a good chance of having some good ore continue into that group from the Premier. Looking at it from afar, it would seem as if the Northern Light might have a good chance to develop into something of value.

I understand that you have been having Summer weather for a long time. Here, we had no such thing; cold weather continuing for the present time and outlook bad for the summer.

Please let me know where you are likely to be and if you are going to visit the East at any time during the Summer.

With all good wishes and kindest regards,

Yours very truly,

(signed) Waldemar Lindgren.

NORTHERN LIGHT GROUP OF CROWN GRANTED CLAIMS.

The group of claims known under the title of "Northern Light" are Crown Granted and are grouped together forming one body of an area of 295 acres.

The individual claims are recorded and Crown Granted in the Portland Canal Mining Division, Cassiar District, Province of British Columbia, and are described as follows:-

Northern Light No.	1	-	Lot	4058.
"	"	"	2	- " 4047.
"	"	"	3	- " 4049.
"	"	"	4	- " 4059
"	"	"	5	- " 4051.
"	"	"	6	- " 4052.
"	"	"	7	- " 4055.
"	"	"	8	- " 4063
"	"	"	1	Fractional Lot 4048.
"	"	"		Fractional Lot 4057.

All in the said Cassiar District.

The claims are situated in the West slope of the Bear River Mountain to the East of the Salmon River Valley and about eleven and a half miles from tide water, where the Government dock built at the head of the Portland Canal offers facilities for shipping.

From the dock to the Northern Light property, a good wagon road gives means for transportation. This road is considered the best in the district and is the main artery of approach to the Premier Gold Mining Company's holdings and through which it crosses to the Northern Light, in the North boundary or side lines of the Premier property.

To the East of the Northern Light line, lie the National Silver Group and the B.C. Silver (the latter owned by

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the Selukwe Company of London). To the south on the ^S wide lines lie the B.C. Silver and the Premier Gold Mining Co. To the West on the side lines lie the Woodbine and the Premier Extension (the latter also known as the Vancouver Group). On the North on the side lines lie the Mineral basin Group and the National Silver Group.

The National Silver Group has just lately been acquired by the B.C. Silver, financed I am told by an English Syndicate.

On all these properties mentioned as bordering on the side lines of the Northern Light Group, ores and good vein showings have been developed, which guarantees the trend of mineral continuing from the Premier and B.C. Silver properties through the Northern Light Group.

The surface is rugged and rough precipitous in part with benches parallel to the river.

Some of the benches correspond to faulted zones showing erosion by ice action.

The property is well wooded and will provide timber for all mining purposes for some years to come.

There is good water power that could be taken from the East fork of the Cascade Creek which would provide ample power for mining purposes. This same stream is now providing power to the Premier Gold Mining Company's plant. The conditions for operating would be similar on both properties and the topography is about the same.

Although the snowfall in winter is heavy, the temperatures do not go very low or interfere with operations at any

time of the year.

Once buildings are provided and shelter given to the operators and machinery covered, the winter is no impediment to continuous work.

With good communication to tide water, all supplies, machinery and necessary materials may be hauled to the point of operation by wagon or motor from the dock at the head of the Portland Canal.

GEOLOGY:

Like the Premier, the Northern Light Group lies in the Greenstone or Bear River Formation in ^{an} ~~a~~ adesitic composition intruded by tuffs and quartz porphyries and is therefore in the most favorable position for ore deposition. Quartz porphyry dykes may be traced cutting through the Greenstone in a North and South strike or may vary to a strike of North 70 degrees East.

Considerable shearing has taken place, which is particularly noticeable along the ore outcrops and veins. The geology of the district has been so ably written up by S.J. Schofield and G. Hanson that I am sending their treatise to accompany this report.

VEINS AND OUTCROPS.

From late information I learn that the ores tapped in depth about 700 feet in the B.C. Silver dip under the Northern Light Claim No. 1:-

A strong outcrop vein carrying good mineral has

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been opened up in the Northern Light Fraction, which has been traced through No. 3 Claim, North of No. 1 Claim. This is an East and West vein and is six feet wide.

Another east and west vein has been opened on No. 5 claim which has been traced into the Woodbine Claim, a property lying to the south-west of the Northern Light Group.

A North and South vein has been opened up on No. 6 claim which is over eight feet wide.

An East and West vein has been opened up on No. 7 Claim and has been traced to and across No. 4 Claim and is six feet wide.

The vein on No. 5 (sulphide ore which forms the basis of the Premier dividends) is eight feet wide and can be traced for over fifteen hundred feet. Good assays were obtained from all these veins ranging from \$15.00 to \$150.00.

Surface values from outcrops on the Premier and B.C. Silver were very low. \$1.50 to \$5.00 which was discouraging to the earlier operators and it was not until they cut the ores in depth that they found the higher values.

The best showings and outcrops in point of value of the three properties (The Premier Gold Mining Company, B.C. Silver, and Northern Light) are in the last-named property.

Besides the surface work on the outcrops of the different veins, a tunnel of about seventy-five feet has been driven in on a vein on No. 5 Claim which cuts good commercial ore.

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The ores taken from these different outcrops and tunnel are identical with the Premier ores. The veins will develop in every respect the same as those in the Premier.

It would be difficult to make any distinction in the vein filling between the two properties as the ores from the one are in every respect like the other.

The geology is the same and the ore filling found in the quartz porphyry and tuff.

The minerals are the same pyrite, chalcopyrite, polybasite, galena, argentite, arsenical pyrite (carrying high gold values).

On the Northern Light the East and West veins will undoubtedly cut the North and South veins when they are opened up and developed. These points so far have not been determined as there is a very heavy over-burden so could not be traced on the surface.

Where the East and West fractures or veins intersect the North and South veins, in the Premier very satisfactory results have been obtained in increased values in the ores and enlargement of the lenses.

I am convinced from very careful study of the Northern Light Group, its geology, its vein matter and the ores, that the property is of great value and I do not hesitate to recommend it in every respect and think that its mineral resources will prove to be quite equal to its neighbour the Premier Gold Mining Company's property, and superior to the B.S. Silver

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property in every respect, and that great concentrations of rich commercial mineral will be found in depth.

The vein matter in this immediate district has been proven beyond a doubt to go in depth by the workings of the Premier and to a lesser extent by the B.C. Silver.

Also R.G.McConnell in his geological works states that the ores in the Salmon River District will go in depth.

The richest ores found in the Premier were under the Silicious outcrops and these predominate on the Northern Light in its vein matter.

The ore bodies or lenses are irregular in the veins, considering collectively some of the more extensive bodies of especially high grade and large tonnage frequently occur along the zones of vein intersections, and are in association with quartz, feldspar and calcite. This applied to the general deposition of the ore deposits in this immediate vicinity.

A series of these veins in the Premier Extension have been traced into the No. 5 and 6 and No. 2 of the Northern Light.

On Northern Light 4 and 7 sulphide ore carrying well in gold.

On Northern Light Fraction and running west into Northern Light No. 3, 2 feet of Galena ore and 6' of mixed ore in the vein.

The veins on Nos. 7 and 4 lie on each side of an intrusive quartz porphyry dyke showing good ore; to the south, 8 feet and on the North side 12 feet. As this ore is against the dyke and not lying away from it in the gangue I consider it a good indication of permanency in depth and a higher concentration in

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mineral. Of the 8 feet of ore to the South, 2 feet is solid ore of good value; of the 12 feet to the North it is more mixed with solid lamination of rich ore in the gangue.

On No. 4 Fraction and Northern Light No. 3 Galena Ore and Silicious gangue with sulphicide ore.

S U M M A R Y .

The Northern Light Group is in a very favorable position for the cheap transportation of its ore.

A good wagon road from the dock or point of shipping through the heart of the property removes the expense of constructing one.

Topography of the surface admits of all mining to be done by tunnels in reaching the orebodies.

This removes the expense of pumps for draining and all ores would be handled by gravity.

The cost of mining in comparison to other districts is very moderate.

The fact that the owners of the "Northern Light Group" are the locators of what is today the most valuable property in the Salmon River district, viz: the claims of the Premier Gold Mining Company, the claim of the B.C. Silver Co., the Woodbine property and the Northern Light Group, I think is a monument to their good judgment in understanding the deposits of that section as shown from surface indications and a guarantee as to the value of the Northern Light Group.

From a long study of the Northern Light Group and its outcrops or surface veins I can emphatically recommend it in the strongest terms.

I am sending, in conjunction with this report, maps of the Northern Light Claims and several of the Government Reports on the Geology of the District etc.

VICTORIA B.C.

((SIGNED) C.A.MACKENZIE. M.E.

NORTHERN LIGHT CROWN GRANTED CLAIMS

LIST OF ASSAYS

MADE AT THE GOVERNMENT ASSAY OFFICE.

CLAIM	GOLD		SILVER		LEAD		ZINC	
	oz.	Val.	oz.	Val.	%	Val.	%	Val.
No. 3	Trace.		0.40	.27	20.0	\$36.00	26.0	- \$41.60
No. 5	0.20	\$4.00	12.0	8.16	10.0	18.00		
No. 6.	0.20	\$4.00	79.0	53.72	4.0	7.20	20.0	\$32.00
Nos. 4 &7	0.40	\$8.00	96.0	74.28	1.0	1.80	22.0	\$35.20
Frac.	0.10	\$2.00	32.0	21.76	68.0			
Frac.(Road)	.06	\$1.20	11.0	7.48	44.0	79.20	16.0	\$25.60

Gold @ \$20.00

Silver 0.68

Lead @ 9 cents per pound.

Zinc @ 8 cents per pound.

VICTORIA, B.C.

NORTHERN LIGHT GROUP OF CROWN GRANTED
CLAIMS.

APPROACH TO THE PROPERTY:

Leaving Vancouver there are two lines of ships plying between this port and Stewart; the Canadian National and the Union Line, both have large and comfortable ships. The distance is about 750 miles and is run in three days. The boats take a course through the inland waters which are well protected from the open sea by a chain of numerous islands; stopping at Prince Rupert and then on to Stewart, 140 miles north at the end of the Portland Canal. Landing at the dock at Stewart a motor may be taken and a drive made to the Northern Light Property, which is about 12 miles, as the crow flies, from the dock. The road follows the side of the Salmon River, then climbing the West side of the Bear River Mountain crosses the Premier Gold Mining Company's property to the Northern Light, which adjoins it on the North.

This trip may be made in absolute comfort and many who are interested in mining take it in their holidays and visit the now favorite Premier Gold Mine. The mountain road passes through fine timber which was found on all the properties, the Premier, B.C. Silver, Sebukwe, Premier's Extension and the Northern Light.

HISTORY OF THE LOCATION:

About 1910 William Bunting and his partner William Dilworth (two of the mountain peaks are named after these men, Mount Dilworth, and Mount Bunting) went into the Salmon River District camping near, what is now the famous Premier Mine, and located the property. Later William Bunting and partner located the claims of what is now the Northern Light Group and the B.C. Silver Mine; the latter was handed to Charley Lake and associates, as the Buntings could not take care of so many claims and Wm. Bunting, whose brother now joined him, held the Northern Light Group which was later Crown granted by him, as in their judgment the Northern Light showed the best outcrops, formation and assurance of commercial mineral values.

The Premier property was sold by them and after passing through different hands, being condemned several times after many attempts to work it, a Wm. R.K. Neil bounded it and successfully opened the vein matter at small expenditure and he and associates sold a fifty-two per cent interest to Mr. I. Untermeyer and Keith

of New York on a basis of Five Million. The latter group Untermyer, Keith, Goggenheim, etc. have developed the mine and in a little over six years have paid dividends in the neighborhood of Nine Millions. Government Reports.

An English Corporation acquired the property which is now the B.C. Silver Mining Co. and adjoins the Northern Light on the East side and is a mine developing a large orebody with satisfactory commercial results from their reports.

The Selukwe Co. of London, England have incorporated the National Silver (Bush Property) under the name of Selukwe and are responsible for the financing of the property.

The B.C. Silver Mine have refused offers of several Millions for this property and the Selukwe Co. of London, who finance the B.C. Silver, have acquired further the Bush property known as the National Silver, which lies to the North of the B.C. Silver and is on the East and North of the Northern Light.

On the west of the Northern Light adjoins the Premier's Extension where strong vein-matter has been opened in several claims. Also a vein can be traced from the Northern Light into the Premier's extension.

The B. C. Silver also acquired one claim called the Cascade Falls No. 5 for which they paid \$125,000 - this adjoins the Northern Light in its south line and forms the North-westerly claim of the B.C. Silver Group.

You will see from the above description that the Northern Light Group lies in the centre of the most strongly mineralized section of the district so far developed and is, to-day, the most promising property from all points of view, mineralization, location geologically, cheapness of approach over good roads with facilities ~~from~~ for transportation to the dock at tide water, that is on the market.

For a detail of the vein and outcrop, I refer you to Report on the Northern Light.

CONDITION OF PROPERTY:

The claims of the Northern Light, ten of them, with an area of a little less than 300 acres are Crown Granted and all requirements of the Government fulfilled, the property is free of all encumbrance or any possible interference from any source whatsoever.

I may state that the law of the Apex does not exist in British Columbia and all ~~matter~~ vein-matter may only be followed at the side lines of mineral claims.

The Ore to-day of the B.C. Silver which I learn in confidence from the B.C. Management, dips under the Northern Light No. 1 and could only be worked or extracted by that Company up to the side line of the Northern Light.

A few years ago when the district and its ore deposits were less understood, the Premier Mine took an option on the Northern Light, but as they failed to fulfill the requirements of the Option it was taken from them by the owners. Since then, the two brothers could never agree on its disposition, the one returning to his home in England and the other remaining in the Stewart district, having no direct communication with each other and always blocking each other in any attempts to place the property.

I knew personally both brothers and meeting one in London two years or so ago, suggested that they should settle their differences and have the property worked for the benefit of both.

I succeeded this year in obtaining the Option for Mr. J. O'Neil Hayes and myself on payment of the Option price with full interest of both owners and we hold clear title to this effect in the Option given.

TREND OF THE ORES AS OPENED IN THE SALMON RIVER VALLEY:

Commencing with the Riverside Mine a property on the Alaska side of the boundary where they have sunk to a depth of 280 feet below the Portland Canal waters with no inflow of water except that which would drain from the surface and which is about six and one-half miles from the dock.

They have also built a mill which would take custom ores and might be of service to work the Northern Light ores unless an arrangement could be made with the Premier Mine mill to mill the lower grades and purchase the higher grades.

Going north you have the Alaska, Premier, the Daly Alaska and then crossing the International Line you come to the Premier Gold Mine, the Northern Light Group with the B.C. Silver and the Selukwe on the East and the Premier's Extension on the west and this is where I consider the greatest concentrations exists of mineral

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in this immediate vicinity so far demonstrated. Continuing north, the Indian Mine, where a vast quantity of low grade ore is opened up and which can be treated to a profit, and so on to the Big Missouri owned by a Tacoma Group and which is claimed by them will rival the Premier.

I am mentioning only the properties which are worked seriously and which define the mineralization as you go North on the West slope of the Bear River Mountain.

The district is receiving substantial backing from London as well as from the States and is the result of favorable reports on the properties by their Engineers.

Yours very truly,

Extract from a letter from Mr. William Bunting who is familiar with the work done on the B.C. Silver and the relation of their ores with the Northern Light.

"The B.C. Silver drove their main tunnel to the extreme limit of their side lines in an easterly direction, and found nothing very good; they then drifted a crosscut to the North and struck the two veins carrying high grade of which they have shipped; they then started a raise on the ore; in twenty feet they were through the crown of the ore, which shows that the reason for their not striking the ore in the main tunnel, while driving to the East was they were over the vein, which was proven later by them coming back in their tunnel and diamond drilling, finding that they had paralleled their vein for quite a distance, now they have sunk a shaft on the vein a distance of 70 feet and the best ore they have found on the property, which leaves very little on the vein as their dip comes into Northern Light No. 1 and they cannot get any depth from their own ground, and I have no hesitancy in saying, that we shall have the biggest shoot of ore on the Northern Light No. 1, and that at some time the Northern Light Group will be worth millions to the B.C. Silver or anyone else and that is without the four veins that we can see.

If I have left before you receive this letter I think I shall take Pasco up and show him the property so that he (the Engineer) cannot go away without seeing all the veins, but I would sooner wait and take them over, as I could explain to them, the way the vein is in the B.C. ground. and then they probably could get a trip in the mine and would help them to see my version of why I state that we will have on Northern Light No. 1 the kernal of the nut and I dont mean maybe.

(Signed) Wm. Bunting.

Addendum.

In the past year very important ore discoveries and mineral development have taken place following well-planned exploration in the Salmon River District, The richest values so far being the Premier Gold Mine and the properties around it, where mineral concentration is shown in the outcrops with decided evidence in this respect on the Northern Light Group, and has been proven in the B.C. Silver, the adjoining property North of the Premier and east of the Northern Light by important development to the depth of 700 feet, of ore lenses of great value and high silver and gold content (the B.C. Silver management announce values in gold alone of 3340.00 per ton of selected ore which a few tons have been shipped) the great bulk of ore is left for extraction and treatment when they have proper facilities for transport by aerial tram. They are now using motor lorries and announce they will ship 300 tons per month of \$120.00 ore.

Mining and shipment of the ores in this district may be worked on a very economical basis; mined by tunnels and handled by gravity, no pumping of water, the tunnels and drifts draining mine.

The hydrographic system of the Salmon River District is drained by the Salmon River and its feeders, flowing by an easy grade to the Portland Canal, deep water and the Pacific.

At the side of the river runs the country road a main artery to the mines.

The district is served by several lines of ships running between Vancouver, Seattle, Victoria, etc. and on North to Portland Canal.

In addition to the Premier Plant and mill, a few miles south of the Northern Light and on the main road to the dock the Riverside Mining Co. have a mill which treats customs ores and was built for this purpose as well as to serve their mine, the management in their wisdom, satisfied with the rapid development of the mining interests and the assurance of outside ores prepared for this increase in business.

Few mining camps have been so well placed for economical operation and transportation as the Portland Canal District and so favored with facilities for placing its values in market.

A plant at Ladysmith accessible by water from the Portland Canal is now in course of construction, with the intention of treating the ores of this district as well as ores from other points on the Coast.

Each year the Government Reports give large increases in the gold and silver values from the district and as lead and zinc is also produced and is now treated with profit-

able returns to the mine owners, a greater output naturally follows.

Better rates for treatment of ore are offered and lower costs for transport, each year.

Increased tonnage makes it more of an object for transporting companies to serve the district.

There are few mines in the annals of mine development that have given such quick returns and large dividends in so short a time as the Premier Gold Mine, which lies along the South side line of the Northern Light Group.

The Premier has with its last quarterly dividend of \$400,000.00 paid to its stockholders, over nine millions of Dollars in less than six years.

The B.C. Silver Mine lying on the East side line of the Northern Light is shipping ore of very great value as stated above.

The vein matter opened on the Northern Light, four which veins are very important, give certain proof of similar concentrations of ore value as is found in the adjoining properties.

To the West of the Northern Light and North West of the Premier Gold Mine, across the boundary in Alaska, the latter Company has bonded a mineral group (Canut and Francis) which they are developing with very satisfactory results.

As I have stated before the Northern Light Group lies in the centre of this ore concentration and having opened up such strong veins, the ores of which are identical with that found in the Premier Mine I do not hesitate to recommend the property in the strongest terms.

The property having an area of nearly 300 acres of long life may be confidently looked forward to in its development and working, further ore lenses undoubtedly will be opened up besides those which are in evidence at present.

Nov. 30, 1926.

C. A. MacKenzie, Esq.,
29 Winch Building,
VICTORIA, B. C.

Dear Sir:-

Under date of November 12th, I wired you from New York, that we had decided not to become interested in Northern Light Property in Portland Canal.

The matter was given very careful consideration in New York by Mr. Bache and myself on receipt of Mr. James' report, and I regret to have to inform you that the Company have decided not to become interested.

Thanking you for bringing this business to us, we remain

Yours very truly,

DOME MINES LIMITED,

Per

HPDeP/RGM.

Vice-President &
General Manager.