

822-510 West Hastings Street
Vancouver 2, B.C.
September 13th, 1966

810386

Mr. R. Lawrence
Van-Isle Talc Co.
1060 Cambie Street
Vancouver 3, B.C.

Dear Sir:

Re: Your letter of August 23rd, 1966

I regret that pressure of business has kept me out of town for so long. I have tried to contact you at AL 5-1890 and have left a message at 683-4338.

Cyprus Mines Corporation would like to obtain a sample of your prophyllite. At the moment it is not possible for me to get over and examine your property. However, if you should have a sample of 10 to 14 pounds available I would appreciate your giving this to me, and I will have it sent to their laboratories for test purposes.

Hoping to hear from you in this matter soon, I remain

Very truly yours

DWT/ds

Donald W. Tully
Cyprus Exploration Corporation, Ltd..

To

Tully

Date

13/7/66

Time

3.25pm

WHILE YOU WERE OUT

Mr.

Lawrence

Of

Phone

AW 5-1890

TELEPHONED

PLEASE CALL

CALLED TO SEE YOU

WILL CALL AGAIN

WANTED TO SEE YOU

RETURNED YOUR CALL

MESSAGE

Available

From July 23-26



EVERGREEN PRESS LIMITED

901 HOMER STREET/VANCOUVER 3, BRITISH COLUMBIA

PHONE MUTUAL 2-7722

Aug 23 1966.

Cyprus Mines Corporation
510 West Hastings
Vancouver 2 B.C.

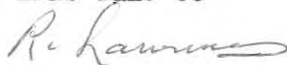
Dear Mr Tully:

I had a test made on the Silica from my property, please find an inclosed copy.

Because of serious illness, I have decided to dispose of my Pyrophyllite property consisting of one hundred and sixty acres, also a mountain of Limestone, on two hundred and fifty acres, all above property is situated on a deep water harbor.

I would deeply appreciate hearing from you if you are interested.

Van-Isle Talc Co


R Lawrence.

RL/abl



COAST ELDRIDGE

ENGINEERS & CHEMISTS LTD.

CABLE ADDRESS: "ELDRICO"

125 EAST 4TH AVE., VANCOUVER 10, B.C.

TELEPHONE: 876-4111

REPORT OF: Chemical Analysis
AT Vancouver Laboratory
PROJECT: Quartz
REPORTED TO: Lawrence Equipment,
515 North Nanaimo Street,
Vancouver, B. C.

FILE No. C.3-L.1-66-28885

DATE August 5, 1966

REPORT NO.

ORDER NO.

We have tested one sample of Quartz submitted by you on August 1st, 1966 and report as hereunder:

RESULTS

Silicon Dioxide (SiO_2)	-	98.68%
Loss on Ignition (LOI)	-	0.81%
Iron Oxide (Fe_2O_3)	-	0.01%
Aluminum Oxide (Al_2O_3)	-	0.28%
Calcium Oxide (CaO)	-	0.15%
Magnesium Oxide (MgO)	-	0.02%
Sodium Oxide (Na_2O)	-	0.03%
Potassium Oxide (K_2O)	-	0.01%

COAST ELDRIDGE

Wm Wong
W. WONG,
SENIOR CHEMIST

/ps

B. C. Pyrophyllite

Agent holds 3 shares - \$15,000 loan

1945-46 pyroph

4 leases (mineral claims)

SPENT \$70,000 cash.

(C. G. outright
Purchase
Due \$14,000
no more
until June 1967)

Taxes - min

Contact
Arthur Lilley - 683-4338
July 14-15

Mouster content 6% ±

Non-ABRASIVE variety (Soft)

ABRASIVE ✓ (Hard)

carries white silica
Vanderbelt have tested

OFF COLOR variety

↓
Tested for kiln work
OK use

MR. Fedje
Radio - TATTSIS Coy at Fair Harbor

at property July 26-29th

B. C. Airlines - TATTSIS → EASY INLET
Fair Harbor Comp.

No. 1

ALUMINIUM-SILICATE SAMPLE
QUARTZ - PROPHY LLITE (High Al_2O_3)
representing 60 feet of exposed outcrop ^{width}

No. 2

FLOTATION TESTS ^{results} showed

- a) 26.5% (wt) ^{by} conc.
 - b) 45.0% (v) middling
 - c) 28.5% (-) TAILING
-

No. 3

SAMPLE SILICA (ANALYSIS accompany)
from overlying beds of al-siO₂
sample area.

Owen Silica } now investigating
Western glass } silica-alumina
for glass manuf.

SAMPLE OF ROCK AND CONCENTRATE SENT TO
MR. W. K. BROWN Sept 30/1966



COAST ELDRIDGE
ENGINEERS & CHEMISTS LTD.

125 EAST 4TH AVE., VANCOUVER, 10, B.C. TELEPHONE: 876-4111

CABLE ADDRESS: "ELDRICO"

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AT Vancouver Laboratory
PROJECT: Quartz
REPORTED TO: Lawrence Equipment,
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Magnesium Oxide (MgO)	-	0.02%
Sodium Oxide (Na ₂ O)	-	0.03%
Potassium Oxide (K ₂ O)	-	0.01%

99.99%

COAST ELDRIDGE

Wm Wong
W. WONG,
SENIOR CHEMIST

/ps

Main Line of Mid-America

**ILLINOIS
CENTRAL
RAILROAD**

Date _____

NATIONAL METALLURGICAL CORPORATION
P. O. Box 56
Springfield, Oregon

Quartz Specs:

✓ Fe ₂ O ₃	-	0.20% Max.
✓ Al ₂ O ₃	-	0.20% Max.
✓ CaO	-	0.10% Max.
✓ MgO	-	0.05% Max.
600 TiO ₂	-	0.05% Max.
500 P ₂ O ₅	-	0.14% Max.
✓ SiO ₂	-	99.30% Min.

John N. Loftus

Main Line of Mid-America

**ILLINOIS
CENTRAL
RAILROAD**

Date _____

NATIONAL METALLURGICAL CORPORATION
P. O. Box 56
Springfield, Oregon

Quartz Specs:

✓ Fe ₂ O ₃	-	0.20% Max.
✓ Al ₂ O ₃	-	0.20% Max.
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✓ MgO	-	0.05% Max.
600 TiO ₂	-	0.05% Max.
500 P ₂ O ₅	-	0.14% Max.
✓ SiO ₂	-	99.30% Min.

John N. Loftus

XERO COPY XERO COPY XERO COPY XERO COPY

ISLAND PAPER MILLS

Mill Offices: Annacis Island, New Westminster, B.C. LAkeview 6-5521
Sales Offices: 1199 West Pender Street, Vancouver 1, B. C. MUtual 3-6711

June 2nd, 1966

Mr. R. Lawrence,
515 North Nanaimo Street,
VANCOUVER 6, B. C.

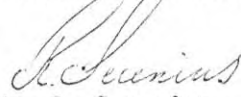
Dear Sir:

This is to confirm that we have done certain tests on the 1 pound sample of powderized talc-type mineral which you brought to our laboratory.

We established that the G. E. brightness of the sample was approximately 90 units, i.e. considerably higher than the clay we are currently using. The dispersibility (in water) of the sample was satisfactory.

Before we can consider even a minimum quantity paper machine trial, we must have satisfactory evidence that the material in question is not excessively abrasive. The standard abrasion test for paper industry fillers is the Valley Abrasion Test. This test is done by the Institute of Paper Chemistry at Appleton, Wisconsin, U. S. A.

Yours truly,
ISLAND PAPER MILLS,


R. S. Serenius,
Technical Supervisor

cc: W. R. Murray
RSS/dsa

I N F O R M A T I O N A L B R O C H U R E

Residence 255-1890

Office 683-4338

VAN-ISLE TALC CO.

RAY LAWRENCE
Managing Director

*1060 Cambie Street, Vancouver 3,
British Columbia, Canada*

PROPERTY OWNED BY B. C. PYROPHYLLITE CO. LTD.

KYUQUOT SOUND VANCOUVER ISLAND

The pyrophyllite at this locality occurs on a group of 4 mineral claims, (105 $\frac{1}{2}$ acres) on tide water. The claims are on, and around Easy Inlet, entered off Kashutle Arm, and Kyuquot Sound, on the West Coast of Northern Vancouver Island. The locality may be reached by bi-weekly Coastal steamer service, also by road and daily Air-service.

The deposits are well situated for development, over half a million tons of pyrophyllite ore is exposed on the claims, removal of light overburden will uncover many times this amount of good pyrophyllite ore.

The United States produces about 40 percent of the world total. Since 1930 the quantity of talc, and pyrophyllite consumed in the United States has increased at a rate about 1 $\frac{1}{2}$ times that of Gross National Product in constant dollars. Domestic production in 1958 totaled 737,000 tons, sales were 694,000 tons valued at \$14 million, and apparent domestic consumption was 701,000 tons.

Although few, if any, minerals surpass talc and pyrophyllite in multiplicity of uses, the ceramic, paint, rubber, insecticide, roofing, and paper industries consumed 76 percent of the 1958 output of talc, 69 percent of the soapstone and 67 percent of the pyrophyllite. The remainder was used in toilet preparations, asphalt filler, foundry facings, refractories, and a large number of minor applications.

Consumption is expected to increase at a rate greater than that of Gross National Product.

PYROPHYLLITE is a hydrous aluminum silicate similar to talc in properties and in most applications. Its formula is $Al_2O_3 \cdot 4SiO_2 \cdot H_2O$, with 66.7 percent SiO_2 , 28.3 percent Al_2O_3 , and 5.0 percent H_2O .

AGALMATOLITE and PAGODITE are terms applied to massive pyrophyllite from China and Korea, used to produce carved ornaments.

WONDERSTONE is a term applied to a massive block pyrophyllite from the Union of South Africa.

Grades of talc and pyrophyllite most frequently are identified with the end use; for example, Cosmetic grade, Ceramic grade, Pharmaceutical grade or by such terms as hard or soft, white or off-color.

Pyrophyllite occurs in irregular, lenticular, or bedded deposits, usually in areas of intense metamorphism. It is believed to have been formed by hydrothermal alteration of acidic rocks (andesites, rhyolite, tuffs, slates, schists, etc.). Stuckey states that the North Carolina deposits were formed through replacement of acid tuffs and breccias. Minerals associated with pyrophyllite are quartz, sericite, pyrite, chloritoid, chlorite, epidote, zircon, titanite, rutile, zeolites, apatite, and certain feldspars.

Pyrophyllite is one of the most floatable minerals. Pine oil and alcohol frothers alone will promote the cleanest mineral, but usually reagents such as petroleum sulfonate or short chain amines also are required to insure adequate recovery.

Milling ceramic-grade pyrophyllite quartzite or silex-lined pebble mills are employed; quartzite pebbles are used as a grinding medium. These mills are ordinarily in closed circuit with air separators but sometimes are used as batch grinders, especially if products with finer particle sizes are required.

Fluid-energy grinding mills, popularly called micronizers, are used to make products of finer particle size than any that can be produced by standard mills. Micronizers introduce steam or air under high pressure through nozzles around the periphery of a steel chamber into which the feed drops through a central opening and where the particles are subjected to an intense mutual bombardment. Standard par-

ticle sizes from 20 to less than 1 micron are attained; the product is known as micronized pyrophyllite.

Properties that make pyrophyllite desirable for a wide variety of industrial uses include the following: Extreme softness (No. 1 on Mohs' scale), good luster, high slip, low moisture, oil and grease absorption, chemical inertness, high fusion point, low electrical and heat conductivity, high dielectric strength, good retention for filler purposes, whiteness, hiding power, and high specific heat.

Six industries - ceramics, paint, rubber, insecticides, roofing, and paper - consumed 76 percent of the domestically produced talc, 69 percent of the soapstone, and 67 percent of the pyrophyllite in 1958.

Block pyrophyllite (wonderstone) is used for welding-torch tips, airplane instrument-panel bushings, and components of warheads for guided missiles, among other uses.

Ceramic-grade pyrophyllite, produced only in North Carolina, is in short supply, but no other world sources of comparable material are known excepting B. C. PYROPHYLLITE.

Quotations in Oil, Paint and Drug Report, December 29, 1958, were as follows: Per short ton, carlots, in bags, f.o.b. works: California, \$33.00 - \$39.50; New York, 99.5 percent through 325-mesh, \$31 and 99.95 percent through 325-mesh (micronized), \$38; Vermont, offcolor, \$19.40; Canada, \$20 - \$35.

THE COMPANY:

B. C. Pyrophyllite Company Ltd. is a private Company incorporated under the laws of British Columbia.

The Company has an authorized capital of \$500,000.00 divided into 5,000 shares with a nominal or par value of \$100.00.

It is planned to sell to friends, Company shares in order to clear the debts of the Company and to provide working capital that would enable the financing and the setting up of a public Company with which to mine, mill and quarry on the Company's property.

The first stage would include, as stated above, the clearing of the title of the mining property which includes 160 $\frac{1}{2}$ acres of valuable mining property and also to own outright Government leases on 240 acres of limestone property. These leases are 21 year renewable leases.

Both the pyrophyllite claims and the limestone claims are on the shores of a Deep Water Harbour.

The Company Pyrophyllite claims are in good standing and are described as Mineral Claims on Lots 528, 529, 530 and 826 in the Rupert District and are of approximately 160 $\frac{1}{2}$ acres.

The Company is also sole possessor of Permit MSUP 2019 upon a Limestone deposit of approximately 60 x 42 chains located in the same general area.

Engineers' working drawings of the mill and quarry as well as flow plans including the cost of machinery and production would be included in the first stage.

LIMESTONE DEPOSITS:

The limestone deposits at Wood Cove are of a very high grade and samples have shown that calcium calculated as calcium carbonate tested at over 99.48%.

With regards to marketing the limestone, our Company has been assured of a market at Port Alice, B. C. for approximately 33,000 tons of limestone per year at a delivered price of \$5.50 per ton with towing costs for the account of the quarry. It is estimated the towing costs to Port Alice would be approximately \$1.50 per ton.

Prince Rupert, B. C. is also a source for sales and approximately 50,000 tons per year is now used by Columbia Cellulose Co. Ltd. at Prince Rupert and this market would, of course, be available to the Company.

A new pulp and paper mill south of the quarry at Gold River, B. C. and the present pulp and paper mills at Alberni, B. C. use approximately 20,000 tons of limestone per year.

As the quarry is 250 to 350 miles closer to these markets than the nearest quarry, the Company would be assured of a steady market for over 100,000 tons of limestone per year for use in the pulp and paper industry.

Of course, once these markets are developed the Company would then develop the sale of limestone for use in cement, since cement rock would be a by-product of the tower rock sold to the pulp and paper mills.

A pro forma balance sheet of B. C. Pyrophyllite Company Ltd. is prepared for your perusal and this includes only the first stage financing.

We believe that participation of this Company engaged in this early growth stage of mining could be productive of really worthwhile profits.

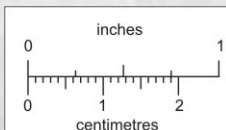
Yours truly,

B. C. PYROPHYLLITE COMPANY LIMITED



ENLARGED AREA

PACIFIC OCEAN



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

ISLAND PAPER MILLS

Mill Offices: Annacis Island, New Westminster, B.C. LAkeview 6-5521
Sales Offices: 1199 West Pender Street, Vancouver 1, B.C. MUtual 3-6711

June 2nd, 1966

Mr. R. Lawrence,
515 North Nanaimo Street,
VANCOUVER 6, B. C.

Dear Sir:

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Yours truly,
ISLAND PAPER MILLS,

R. S. Serenius
R. S. Serenius,
Technical Supervisor

cc: W. R. Murray
RSS/dsa



PHONE: 876-4111

CABLE ADDRESS "ELDRICO"

To:

Lawrence Equipment Co. Ltd.,
515 N. Nanaimo Street,
Vancouver, B.C.

Certificate of Assay
COAST ELDRIDGE
ENGINEERS & CHEMISTS LTD.

125 EAST 4TH AVE. VANCOUVER 10, CANADA
M.A. ELSTON

FILE NO. **A.3-L.1-64 13840**
DATE **September 17, 1964**

CAO
MGO
Fe2O3

We Hereby Certify that the following are the results of assays made by us upon submitted **PRYOPHYLLITE** samples

MARKED	GOLD		SILVER	Moisture	Silica	Alumina
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	(H ₂ O @ 550°C) PER CENT.	(SiO ₂) PER CENT.	(Al ₂ O ₃) PER CENT.
		\$		1.30	55.44	30.39

Gold calculated at \$.....per ounce

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Shingles

Provincial Assayer

C O P Y

C O P Y

COAST ELDRIDGE

Engineers & Chemists Ltd.

Ma 5-9776

125 East 4th Avenue, Vancouver 10, B.C.

Report Of: Limestone

Order No.

At: Vancouver Laboratory

Date: May 10, 1962

Project: Chemical Analysis, Kashutl Inlet,

File: 796

Reported to: Dr. V. Dolmage
Marine Building,
Vancouver, B.C.

681-1819

Attention: Mr. D.D. Campbell

Wood Cove Limestone

WE HEREBY CERTIFY that the following results were obtained by us on samples submitted May 8th, 1962:

<u>Limestone</u>	<u>K 1</u>	<u>K 2</u>	<u>K 3</u>
Loss on Ignition	43.36%	43.00%	42.44%
Acid Insoluble Material	0.60	1.01	1.20
Iron Oxide (Fe ₂ O ₃)	0.34	0.32	0.25
Alumina (Al ₂ O ₃)	0.36	0.30	0.31
Calcium Oxide (CaO)	54.90	55.01	55.40
Magnesia (MgO)	0.30	0.20	0.30
Undetermined	0.14	0.16	0.10

COAST ELDRIDGE

J.G. Smith
Chief Chemist

ps

XERO
COPY

XERO
COPY

XERO
COPY

XERO
COPY

G. S. ELDRIDGE & CO. LTD.

STANDARD TESTING LABORATORIES

VANCOUVER - VICTORIA - PRINCE GEORGE

INSPECTION AND TESTING
ENGINEERS
INDUSTRIAL CHEMISTS
RESEARCH CHEMICAL
METALLURGICAL AND CORROSION
ENGINEERS
PROVINCIAL ANALYSTS

222 HORNBY STREET
VANCOUVER 1, B.C.

MEMBER OF
CANADIAN INSTITUTE OF CHEMISTRY
ASSOCIATION OF OFFICIAL HAZING CHEMISTS
CANADIAN INSTITUTE MINING AND METALLURGY
CANADIAN STANDARDS ASSOCIATION
AMERICAN SOCIETY FOR TESTING MATERIALS
AMERICAN SOCIETY FOR METALS
CANADIAN WELDING SOCIETY
AMERICAN WOOD PRESERVERS ASSOCIATION

July 9, 1953

Mr. J. S. [unclear]
5100 Oak Street
Vancouver, B.C.

Dear Sir:

We have tested the sample of [unclear] submitted by you, and
results as follows:

Loss on Ignition	13.00
Insoluble	1.8
$Fe_2O_3 + Al_2O_3$ (total)	0.3
CaO	35.12
MgO	0.1
Unidentified	33

Respectfully submitted,
G. S. ELDRIDGE & CO. LTD.

H. Shingles

G. S. ELDRIDGE & CO. LTD.

STANDARD TESTING LABORATORIES

VANCOUVER - VICTORIA - PRINCE GEORGE

INSPECTING AND TESTING
ENGINEERS
INDUSTRIAL CHEMISTS
REGISTERED CHEMICAL
METALLURGICAL AND CORROSION
ENGINEERS
PROVINCIAL ASSAYERS

452 HORNBY STREET
VANCOUVER 1, B.C.

MEMBERS OF
CANADIAN INSTITUTE OF CHEMISTRY
ASSOCIATION OF OFFICIAL PACING CHEMISTS
CANADIAN INSTITUTE MINING AND METALLURGY
CANADIAN STANDARDS ASSOCIATION
AMERICAN SOCIETY FOR TESTING MATERIALS
AMERICAN SOCIETY FOR METALS
CANADIAN WELDING SOCIETY
AMERICAN WOOD PRESERVERS ASSOCIATION

MAY 26th, 1953.

Mr. R. Lawrence,
3700 Oak Street, R.D. 1, Coquitlam, B.C.
VANCOUVER, B.C.

Dear Sir:

We have tested the sample of LIGNITE submitted,
and give below the following results:

Loss on ignition	13.60%
Iron and Alumin. Oxides	6.4%
(Fe ₂ O ₃ & Al ₂ O ₃)	0.14%
Calcium Oxide (CaO)	5.120%
Magnesium Oxide (MgO)	0.21%
Undetermined	0.26%
	<hr/> 100.00
Equivalent calcium carbonate (CaCO ₃)	77.4%

Respectfully submitted,

G. S. ELDRIDGE & CO. LTD.

for

H. Sharles

G. E. ELDRIDGE & CO. LTD.

STANDARD TESTING LABORATORIES

VANCOUVER - VICTORIA - PRINCE GEORGE

625 HORNBY STREET

VANCOUVER 1, B.C.

INSPECTING AND TESTING
ENGINEERS
INDUSTRIAL CHEMISTS
REGISTERED CHEMICAL
METALLURGICAL AND CORROSION
ENGINEERS
PROVINCIAL ASSAYERS

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AMERICAN SOCIETY FOR TESTING MATERIALS
AMERICAN SOCIETY FOR METALS
CANADIAN WELDING SOCIETY
AMERICAN WOOD PRESERVERS ASSOCIATION

December 31, 1933.

Mr. J. Lawrence,
Suite 5-3705 Oak Street,
Vancouver, B.C.

Dear Sir:

We have tested the sample of limestone submitted
by you and report the following results:

Residual Silica	0.00%	05
Loss on Ignition	45.77%	4378
Free Alkali (Na ₂ O)	0.00%	00
Alumina (Al ₂ O ₃)	0.00%	00
Calcium oxide (CaO)	55.74%	5574
Magnesium oxide (MgO)	0.00%	00
Carbon dioxide	0.00%	00
	100.00%	10000

Relative amount of Calcium carbonate
(CaCO₃) = 55.74%

Phosphorus (P) = Trace - Insufficient for

Respectfully submitted,

G. E. ELDRIDGE & CO. LTD.

H. Sharfiles

92-L - Pyrophyllite Property
(Easy Inlet) Vancouver Is.