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GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORTS

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PROSPECTING & GEOCHEMICAL WORK REPORT

ON THE WOOD COVE CLAIM GROUP

KASHUTL INLET

ALBERNI MINING DIVISION

LATITUDE 50°09'23"

LONGITUDE 127°18'56"

By: David A. Heyman

September 12, 1995

FILMED

Field Work Conducted June 14th - 16th, 1995

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

24,034

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1.0 INTRODUCTION

The market for industrial and chemical limestone in British Columbia and the northwest United States has expanded rapidly in the past 25 years. This limestone deposit is favourably located on tide-water, on the northwestern coast of Vancouver Island, in a quiet sheltered inlet (Kashutl Inlet). Previous work has indicated a geological resource of/at least 27 million tonnes of high grade calcium limestone (Dolmage-Campbell & Associates, 1973). At present, there is a great demand for chemical grade limestone for fillers in paints, food stuffs, plastics, paper making and pharmaceutical uses. Currently, the market supply comes from Texada Island. The last known work, done on this property was in 1973 (Dolmage-Campbell & Associates).

This report describes limited sampling on the easily accessible limestone beds, on the lower elevations of the property.

1.1 TERMS OF REFERENCE & SCOPE

This report is intended to be a summary of a work program of rock geochemistry and sampling conducted on the Wood Cove Claims.

1.2 CLAIMS & OWNERSHIP

The Wood Cove Claim Group comprises of 4 claims. Pertinent claim data are as follows:
(See Figure 3)

Claim Name	Record #	Tag #	New Expiry Date
Wood Cove 1	326967	631099M	June 17, 1998
Wood Cove 2	326968	637425M	June 17, 1998
Wood Cove 3	326969	637426M	June 17, 1998
Wood Cove 4	326970	637427M	June 17, 1998

All claims are held in the name of David A. Heyman.

1.3 LOCATION, ACCESS & PHYSIOGRAPHIC SETTING

The Wood Cove Claim Group is located 4.5 km. from the northern head of Kashutl Inlet, on the northwestern coast of Vancouver Island. Access is gained along 60 km. of gravel road from Zeballos, B.C., then by water from Fair Harbour. The property is depicted on NTS Mapsheet 92L/3W at 50°09'23"W and 127°18'56"W (Figures 1 - 5).

The claim area topography is that of relatively steep to precipitous. The slopes are characterized by typical west coast vegetation: Red Cedar; Balsam; and Douglas Fir. Lower elevations are characterized by 60 year old second-growth and higher elevations are characterized by original forest. Relief on the claims are 0 m. ASL to 310 m. ASL.

1.4 PREVIOUS WORK

Sicamous Resources Ltd. previously held a lease over the property in the early 1970's. Tonnage and grade estimations are from a private report that Douglas Campbell wrote for Sicamous Resources. The report indicated a geological resource of 27 million tonnes of high calcium limestone with proven and probable reserves calculated at 7.6 million tonnes of 97% CaO.

2.0 GEOLOGY

Limestone outcrops along the cliffs and bluffs on the west side of Kashutl Inlet, 4.5 km. south of the head of the inlet. The deposit is comprised of two beds of limestone separated by 30 to 45 m. of argillite that are overlain and underlain by volcanics, consisting largely of amygdaloidal andesite and dacite. The rocks have been subjected to some low grade thermal metamorphism by an intrusion exposed north of the deposit. The entire sequence strikes northeast and dips 30° to 60° south. The upper bed is 45 m. thick and the lower is 60 m. thick. The carbonate beds consist of massive pearl grey to white medium to coarse grained limestone.

Probable (indicated) reserves are calculated at 7.6 million tonnes of high calcium limestone. The deposit is estimated to contain a geological resource of 27 million tonnes of high calcium limestone. Regional geology is depicted in Figure 2.

3.0 PROSPECTING & GEOCHEMICAL SAMPLING

A 200 lb. sample was obtained from the lower bed of limestone at the base of a waterfall (Table 4). Rock was broken using a sledgehammer from outcrop and is representative. Samples were sent to Continental Lime Inc. (205-670 E. 3900 South, Salt Lake City, Utah) for a kiln and chemical test; to Vancouver Petrographics (8080 Glover Road, Fort Langley, B.C.) for petrographics; and IMASCO Minerals Inc. (19287-98A Avenue, Surrey, B.C.) for a brightness test. Results are in Tables 1 - 3.

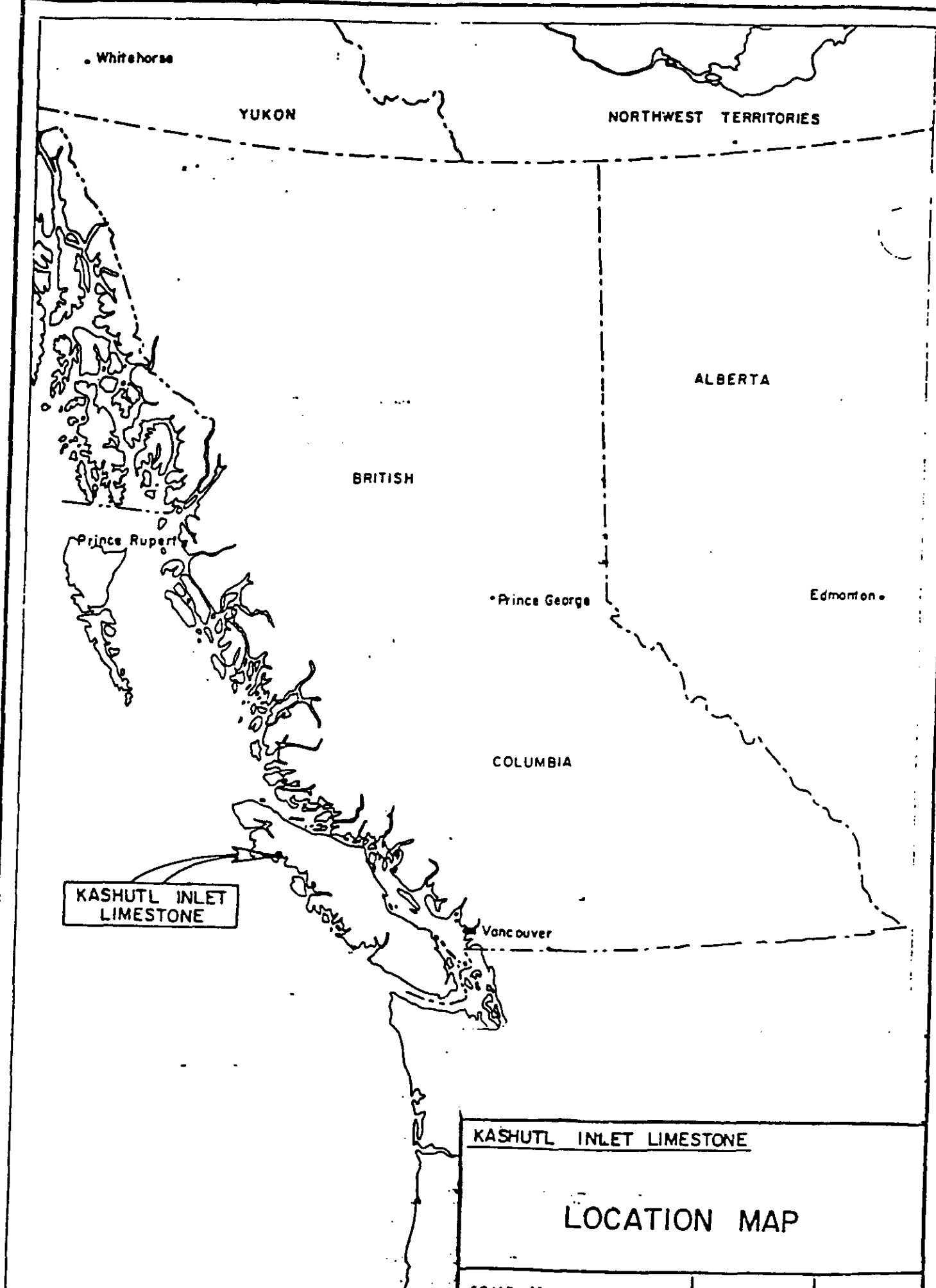
Mineralized argillite boulders are abundant on the beach and have come from the contact between the limestone and argillite beds. Four chip samples were taken (over 1 foot), and were submitted to Acme Analytical. They were tested using standard ICP methods and results are given in Table 4. Sample locations for these are in Figure 4.

4.0 CONCLUSIONS & RECOMMENDATIONS

The lower limestone beds are pearl grey in colour and results indicate that it is of excellent grade for use in the cement industry. Calcination testing was very good (CaO). Ignition loss was calculated at 44.29%. Petrographics indicate that it is relatively free from impurities. Brightness testing show that it would not be acceptable to the chemical industry. The upper limestone beds are quite visible from Kashutl Inlet and are much different in colour (i.e. brighter). The upper beds are located in precipitous terrain and were beyond the scope the first program. Therefore a second program of sampling is recommended and upon favourable results, a diamond drilling program to prove drill indicated reserves.

REFERENCES

- 1) Campbell, Douglas D., Private Report to Sicamous Resources Ltd., 1973.
- 2) Minfile Report from the Ministry of Energy Mines & Resources, Geological Survey Branch, #92L 187. (Figure 5)



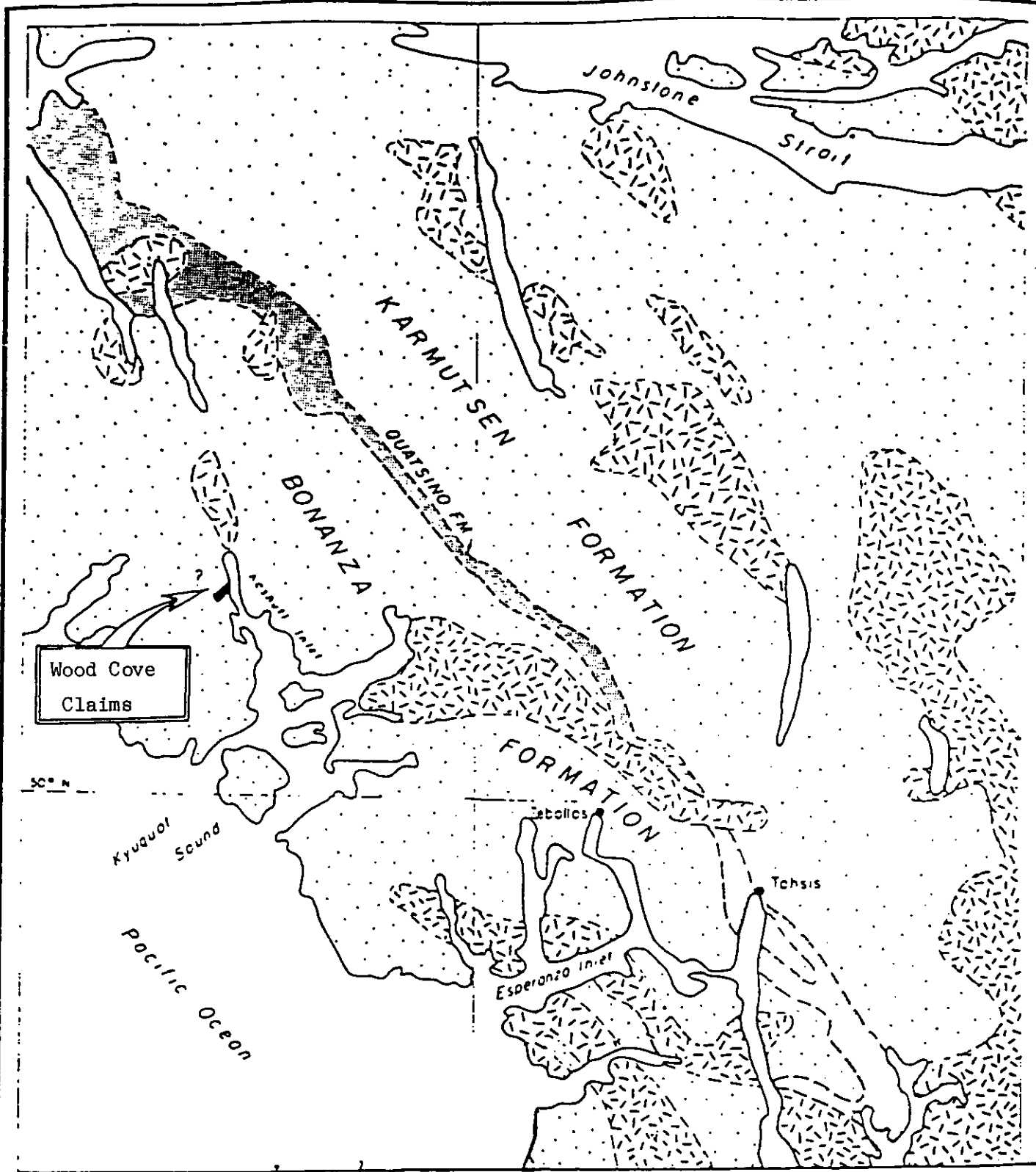
KASHUTL INLET LIMESTONE

LOCATION MAP

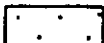
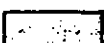

SCALE: 1inch = 120miles

Sept 12/95

FIG. 1



LEGEND

-  VOLCANIC FORMATIONS
-  LIMESTONE
-  COAST RANGE INTRUSIVES

KASHUTL INLET LIMESTONE

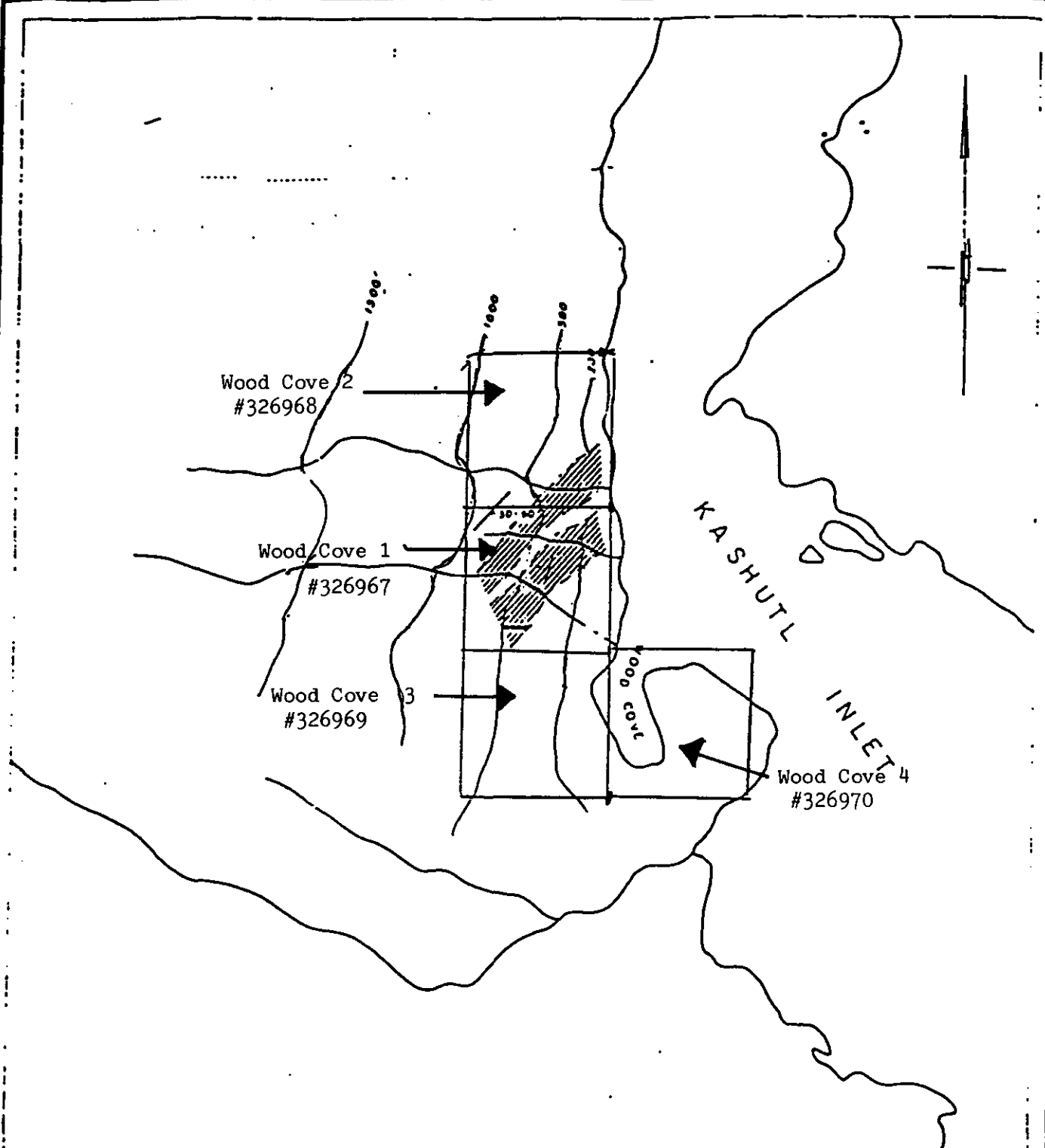
GEOLOGICAL SETTING



NORTHERN VANCOUVER ISLAND

SCALE 1" = 5 miles

Sept 12/95

FIG 2



 MARBLE BEDS
 (Approx locations)
 General attit. of bedding
 30-60

Contours approx.

KASHUTL INLET LIMESTONE 92 L/3 W		
LIMESTONE EXPOSURES		
SCALE 1" = 500 m.	Sept 12/95	Fig. 3

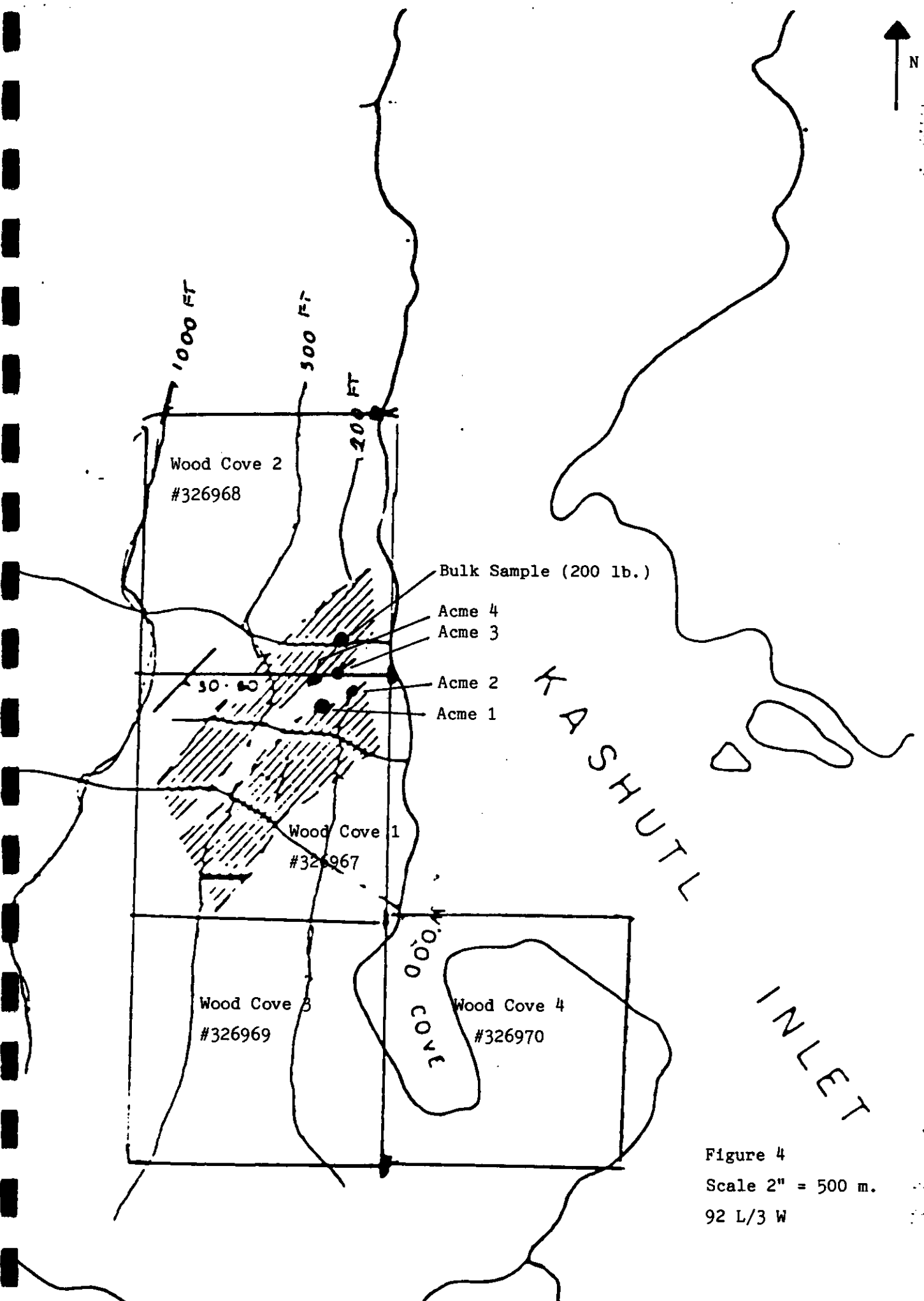


Figure 4
 Scale 2" = 500 m.
 92 L/3 W

MINFILE MAP 092L & 102I

ALERT BAY and CAPE SCOTT

MINERAL OCCURRENCE MAP

Figure 5
 Sept 12/95

Scale 1:250 000



This project is a contribution to the Canada/British Columbia Mineral Development Agreement 1985-1990.



Province of British Columbia
 Ministry of Energy, Mines and Petroleum Resources



Energy, Mines and Resources Canada
 Énergie, Mines et Ressources Canada

DATE REVISED: JUNE 1989
 DATE UPDATED: MAY 1993

TOTAL NUMBER OF OCCURRENCES: 344
 : 350

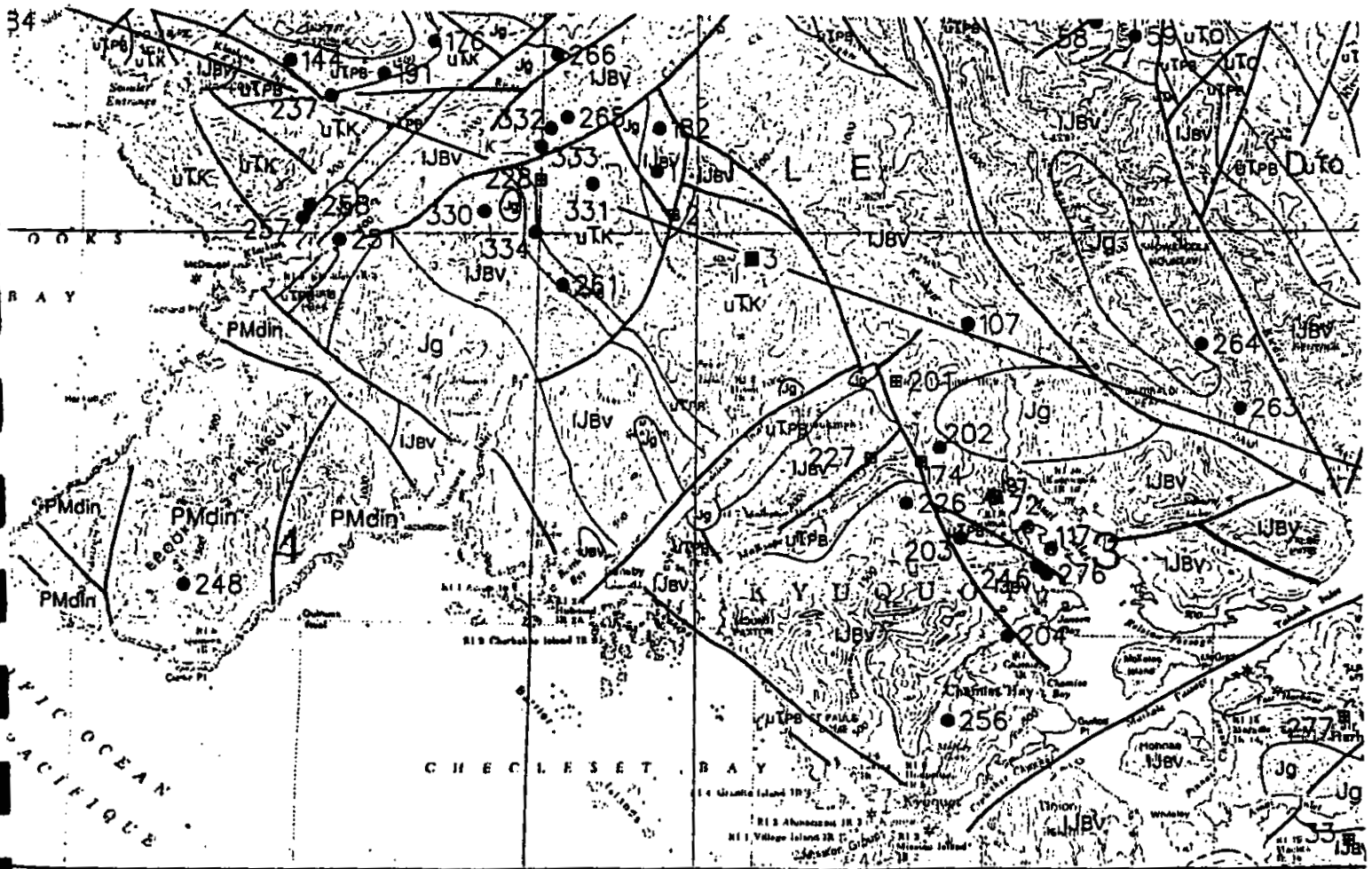
LEGEND

- STATUS**
- Producer
 - Past Producer
 - Developed Prospect
 - Prospect
 - Showing

#187

INDEX

102O	102P	92M	92N
PAC.			92K
OCEAN	92E	92F	





ORIGINAL SAMPLE
CaCO₃

TABLE 1



IGNITION SAMPLE
CaO



DECREPITATION TESTING

CONTINENTAL LIME INC.



August 23, 1995

Mr. David Heyman
6488 Telford Street
Burnaby, British Columbia
V5H 2Z2 Canada

Dear Mr. Heyman:

The Continental Lime Inc. Central Laboratory conducted an ICP assay of the limestone sample from your Kashutl Inlet property. The geochemical results show that the Kashutl Inlet stone is high calcium limestone: 54.88% CaO; 0.38% MgO; and 0.45% SiO₂.

Physical decrepitation analysis was also conducted at the CLI Central Laboratory. Unfortunately, the calcined stone did not pass the decrepitation test. The attached photographs show the stone before calcining, after calcining, and after decrepitation testing. You can see that the lime disintegrated into fine powder. In addition, the pinkish to brownish hue is also detrimental.

If I may be of further assistance in this matter, please don't hesitate to call me. I would like to thank you on behalf of Continental Lime Inc. in your submittal. Continental Lime Inc. looks forward to any high calcium limestone prospect you wish to submit in the future.

Sincerely yours,

A handwritten signature in cursive script that reads "Stanley T. Krukowski".

Stanley T. Krukowski
Geologist



Vancouver Petrographics Ltd.

JAMES VINNELL, Manager

JOHN G. PAYNE, Ph.D. Geologist

CRAIG LEITCH, Ph.D. Geologist

JEFF HARRIS, Ph.D. Geologist

KEN E. NORTHCOTE, Ph.D. Geologist

P.O. BOX 39

8080 GLOVER ROAD,

FORT LANGLEY, B.C.

VOX 1J0

PHONE (604) 888-1323

FAX. (604) 888-3642

PETROGRAPHIC REPORT ON ONE THIN SECTION OF MARBLE

Report for: Dave Heyman
6488 Telford Street
Vancouver, B.C.
V5H 2Z2.

Invoice CL-26-95
Job # 950359
June 29, 1995.

Sample submitted is a light grey marble that reacts vigorously to cold dilute HCl. The rock is not magnetic; very rare cubic pyrite to 0.5 mm diameter is visible in the polished slab. Several darker grey (healed) fracture zones cross the slab, and there is also one open fracture (that would be detrimental to quality if the rock were to be used as a building stone). In thin section, the modal mineralogy is approximately as follows:

Carbonate (calcite)	99%
Opaque	<1%
?Chlorite	tr

The slide consists entirely of calcite as coarse subhedral crystals up to about 0.5 cm (5 mm) in diameter, crossed in places by zones of recrystallization. In these zones, the calcite is recrystallized to smaller anhedral crystals of less than 0.5 mm diameter. Traces of ?chlorite are found as very fine (0.05 mm, or 50 micron) diameter flakes or rosettes along these zones.

Along both the recrystallized zones and randomly scattered are fine opaques of 5-25 micron diameter. Some of these may be pyrite, as seen in the polished slab, but without a polished surface on the thin section it is not possible to identify them with certainty. The darker grey colour in hand specimen along these zones is possibly due to traces of carbon as submicroscopic particles.

Craig H.B. Leitch, Ph.D., P.Eng.
(604) 921-8780



GEOCHEMICAL ANALYSIS CERTIFICATE



David Heyman File # 95-1869

6488 Telford St., Burnaby BC V5H 2Z2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
1	1	7	10	18	.3	4	2	484	.16	15	<5	<2	<2	167	<.2	<2	2	3	39.74	.004	<1	2	.20	5	<.01	6	.06	.01	.01	<2
2	<1	27	6	94	<.3	15	15	1286	7.85	8	<5	<2	<2	11	.2	4	<2	246	1.10	.089	4	7	1.77	14	.57	<3	1.45	.08	.02	<2
3	1	5	7	29	.3	5	3	684	.28	16	<5	<2	<2	86	.3	<2	<2	7	40.37	.007	<1	2	.10	30	<.01	7	.06	.01	.01	<2
4	1	4	13	94	<.3	6	<1	1088	4.18	5	<5	<2	<2	6	.3	2	<2	6	.63	.054	7	5	1.07	11	.22	<3	1.04	.08	.05	<2
RE 4	1	5	12	93	<.3	6	<1	1052	4.18	<2	<5	<2	<2	6	.3	2	<2	6	.59	.054	8	4	1.05	11	.22	<3	1.04	.08	.04	<2
STANDARD C	20	57	37	127	7.2	71	32	1081	4.23	43	20	6	37	57	17.7	18	22	62	.60	.095	41	58	.92	186	.09	29	1.81	.06	.16	10

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO₃-H₂O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.

THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.

ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB

- SAMPLE TYPE: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 19 1995 DATE REPORT MAILED: *June 26/95* SIGNED BY: *C. Leong* TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

TABLE 3

Telephone: (604) 888-3848



Fax: (604) 888-5671

IMASCO MINERALS INC.

19287 - 98A Avenue, Surrey, B.C., Canada V4N 4C8

September 12, 1995

Mr. Dave Heyman
Suite 320
145 Chadwick Court
Quayside Plaza / Lonsdale Quay
North Vancouver, B.C.
V7M 3K1

Re: Kasbutl Inlet Limestone

The samples that you provided were tested for dry brightness on August 15, 1995 at our lab facility in Vancouver. The sample material was ground to a 200 mesh equivalent sizing for the test. The results are as follows;

Dry Brightness	83.6 %
Red Index	-0.50
Yellow Index	+1.95

These results indicate a brightness less than required for our purposes. However, the mineral and other analysis that you provided indicated promising qualities.

Please keep me informed of your progress.

Sincerely,

David Sacks
President

APPENDIX A

STATEMENT OF EXPLORATION COSTS

Labour	3 days @ \$175/Diem	\$ 525.00
Transportation	Vehicle (4 WD) 4 days @\$100	\$ 400.00
	Miles @ \$0.20/km. x 1,020 km.	\$ 204.00
	Fuel & Oil	\$ 250.00
	B.C. Ferries	\$ 112.00
	16" Boat @ \$50/Diem x 2 days	\$ 100.00
	Water Taxi - 1 day	\$ 200.00
	Meals	4 days @ \$45
Assays	Miscellaneous	\$ 620.00
	Geological Supplies	\$ 97.60
Report	Preparation	\$ 450.00
TOTAL		\$3,138.60

APPENDIX B

CERTIFICATE OF QUALIFICATIONS

I, David A. Heyman of 6488 Telford Street, Burnaby, B.C., do hereby declare that:

- 1) I am a graduate of Merritt Secondary School, Merritt, B.C., 1972.
- 2) Since 1973, I have been continuously employed in the mineral industry as a Diamond Driller, Prospector and Equipment Operator.
- 3) I hold a WCB Blaster's Certificate and have worked as a Soil Sampler, Rock Sampler, Linecutter, Geologist and Geophysical Assistant.
- 4) I have personally conducted the sampling and work that is outlined in this report.



David A. Heyman

September 12, 1995