
**Subject: Gary M. Pearson - White
Limestone Deposit, Port Renfrew, B.C.**

• MINERAL CLAIMS:

GALLEON 50 TENURE #361465

GALLEON 8 TENURE #358261

GALLEON 8-1 TENURE #358262

GALLEON 8-2 TENURE #361598

GALLEON 8-3 TENURE #360704

GALLEON 8-4 TENURE #361599

MINERAL TITLES BRANCH	
Rec'd.	
MAR 18 1999	
L.I.#	_____
File	_____
VANCOUVER, B.C.	

VICTORIA MINING DIVISION

UTM CO-ORDINATES

◆ NTS LOCATION: EDINBURGH DEPOSIT
LAT & LONG

GRANITE MAINLINE

10,393,951E
5,388,406N
10,402,958E
5,390,719N

◆ OWNER: GARY M. PEARSON

◆ OPERATOR: IMPERIAL LIMESTONE CO.

◆ CONSULTANT: THOMAS E. NEWMAN, CPG.

SENIOR GEOLOGIST - GEOTECHNICAL SERVICES DEPT.
HOLNAM, INC.

◆ AUTHOR OF REPORT: THOMAS E. NEWMAN, CPG.

◆ DATE SUBMITTED: FEBRUARY 17TH, 1999

**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

25,877

HOLNAM INC.
4629 N. Overland Trail, Bldg. A
P.O. Box 1468
LaPorte, CO 80535-1468
Phone 970-482-5600
Fax 970-482-5608
Internet: tnewman@holnam.com

HOLNAM

Thomas E. Newman, C.P.G.
Senior Geologist
Geotechnical Services Department

DATE 4-15-98

To: Ed Liebich
Mine Manager
Imperial Limestone Co.
P.O. Box 190
Van Anda, BC
V0N 3K0
Canada

Subject: **Gary M. Pearson White Limestone Deposit - Port Renfrew**

On 4-2-98 Ed Liebich and I surveyed two deposits of white limestone controlled by Mr. Gary M. Pearson, Port Renfrew, BC. Below is a brief summary.

Regional Geology

Vancouver Island is underlain by volcanic rocks of the Middle to Late Jurassic Westcoast Complex. The Complex is composed of batholiths and stocks of granite rocks such as quartz diorite. These volcanic are overlain by lenses of limestone with variable thickness', from 300 to 1800 feet. The limestone belongs to the Late Triassic Quatsino Formation, found throughout Vancouver Island.

Regional Carbonates

The Quatsino Limestone is composed almost exclusively of high-calcium limestone. The limestone is normally dark gray to almost dark blue. In some specialized locations, the limestone has been bleached white by heat. Some members of the Formation can contain magnesium and are dolomitized.

The Quatsino Formation is made up of massive, usually thick beds of limestone, striking in a general north-northwest direction, dipping at various angles to the South. The limestone is locally metamorphosed into marble. Skarn mineralization is associated when the Quatsino carbonates are in contact with volcanic rocks.

Numerous small to large intrusive dikes (dykes) are intruding the volcanic and limestone sequences. The dike and sill complexes are andesitic rock, diabase and monzonites that intrude the volcanic basement rock and

limestone. The intrusives are related and are usually aligned along faults. Associated with these intrusive volcanics are small bodies of mineralized copper ore.

On Vancouver Island, the limestone is being mined and quarried in several locations. Within the vicinity of Port Renfrew, no mining was observed.

Deposit Geology

The deposits are called the Edinburgh and Granite Mainline deposits. The Edinburgh deposit lies along the west side of a mountain ridge. It is located 10,393,951E; 5,388,406N, using UTM coordinates. The Granite Mainline deposit is located on the apex of a ridge. It is located 10,402,958E; 5,390,719N, using UTM coordinates.

The deposits controlled by Gary Pearson is different from the normal Quatsino limestone. The limestone has been metamorphosed and changed into a white crystalline marble. The origin of the marblization is attributed to the occurrence of a close intrusive body. The variation in color from dark gray to white marble is related to different amounts of free carbon and water content in the rock. The free carbon in the Quatsino carbonate was converted to carbon dioxide by heat and dissipated.

The limestone at the deposits is essentially similar in mineralogy. The calcium carbonate is generally medium to coarse grained with a micritic texture and partly recrystallized resulting from tectonic activity. Flaky pale-green phyllosilicates are noted on fractures which maybe talc or serpentine. There are also very tiny disseminated dark 'dots' of unknown mineralogy. The chemistries of the deposits have not yet been determined.

Stratigraphy

The extensive recrystallization of the limestone makes it difficult to define the stratigraphy. However, in the Edinburgh deposit, the marble shows some banding that may correspond to the original layering of the limestone. There are two humps or tetons along the upper ridge that represent the edge of the Quatsino Formation. The possible strike is N20°W, with a dip of over 35° to the West.

The stratigraphy of the Granite Mainline deposit appears much flatter. The strike is N10°W, with a dip of less than 15°. This estimate could be incorrect due to the amount of faulting in the area.

Intrusions

Many dikes are recutting the limestone sequence. Their thickness' vary from 3 feet to 30 feet. The dikes are predominantly andestic in composition, with a fine grained texture. The dikes are weathered at the surface but quickly become very hard and brittle at depth. The orientation of the dikes is unknown at this time, but appear to be parallel to the ridges.

The marble at both deposits is in contact with the underlying volcanic rocks that form stocks and batholiths. The volcanic rocks are granitic in origin, ranging from quartz diorite to diorite. The contact is extensive on the Edinburgh deposit.

Minability

Both deposits are held by mineral claims to the Province of British Columbia.

Both deposits have minable reserves. Proven and probable (inferred) tonnage's could not be calculated at this time, but geologic tonnage is in the millions of tons.

The biggest obstacles are the intrusive rocks. Mining would have to differentiate the carbonate rock and there will be large amounts of waste volcanic rock. Another consideration is the steepness of the ridges, this would necessitate numerous benches in order to reduce high wall height.

Overall, with consideration to the topography and the mineralogy, the deposits are minable.

Port Facilities

There is a potential port facility in Port Renfrew, BC. Port Renfrew has applied for Official Community Status, this is equal to a formal town incorporation. If successful, Port Renfrew will have an orderly growth by zoning.

A strip of land, owned by TimberWest Forest Limited, is zoned Industrial. Industrial zoning allows permitting the waterfront from the Ministry of Fisheries and Oceans and Leasing from the Ministry of Environment.

Timber West has been contacted and is interested in discussions to stockpile and load limestone for export.

Contacts

**Gary M. Pearson
Gen. Del. - 70 Wickaninnish
Port Renfrew, BC V0S 1K0
250-647-5460**

**Gordon Littlejohn
TimberWest Timber Ltd.
P.O. Box 11101
Vancouver, BC V6E 3P3
604-654-4614
FAX 604-654-4631**

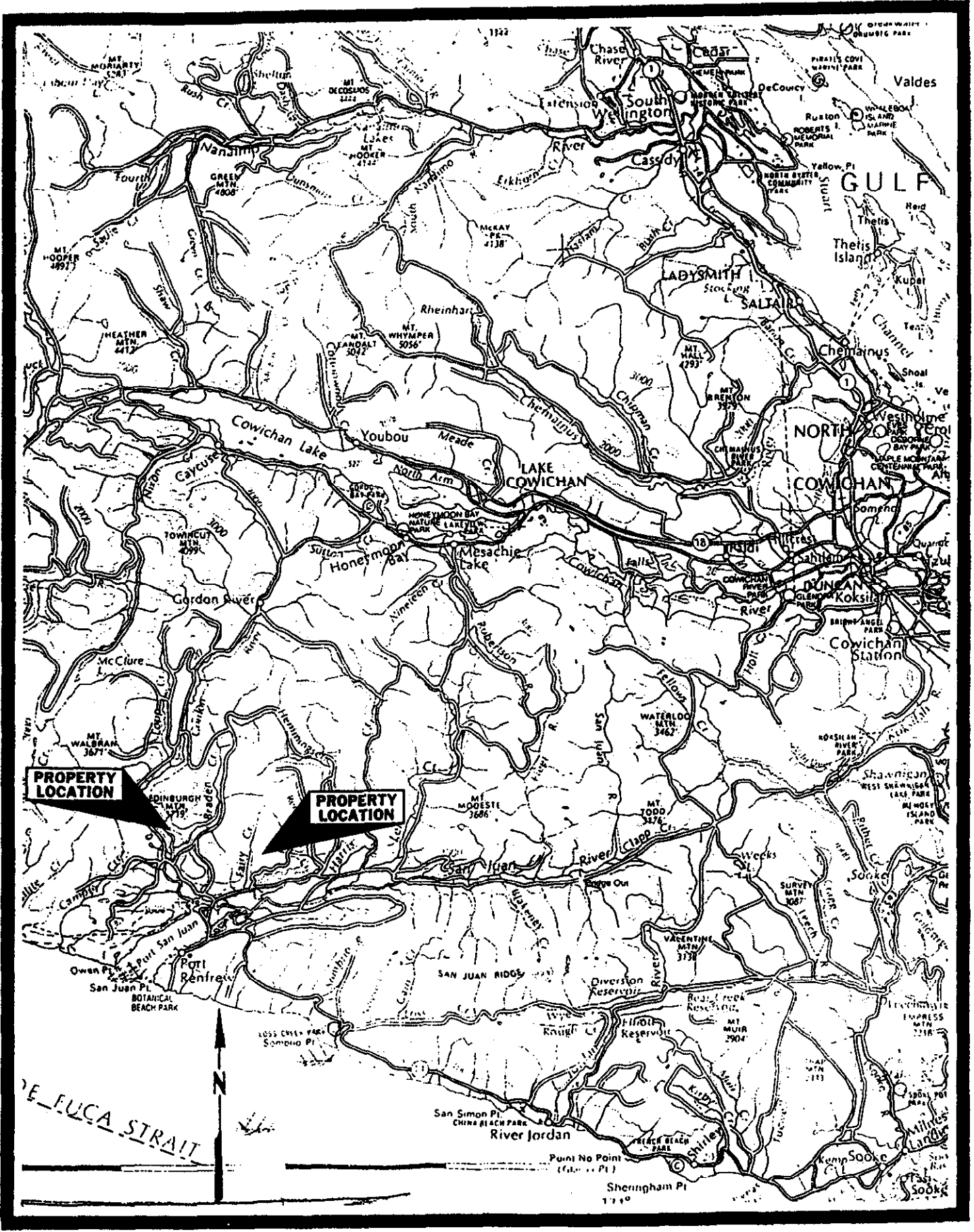
Sincerely,



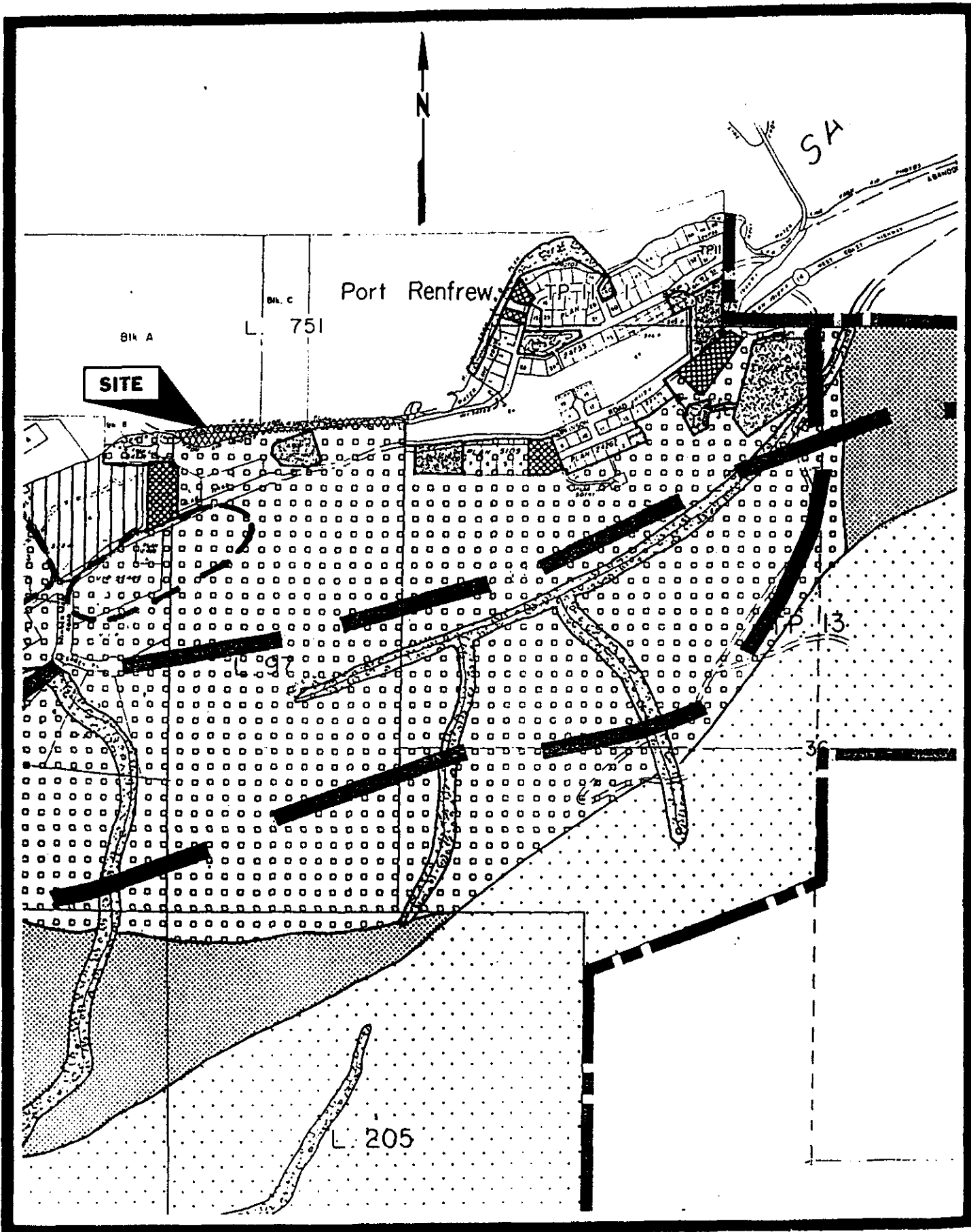
Tom Newman, CPG #7222

cc: Gary M. Pearson, Pearson Charters
Steve Eckhart, J.A. Jack and Sons

Attachments: 5 Maps




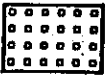
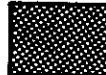


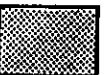

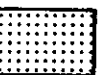







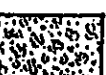

PEARSON PROSPECTS



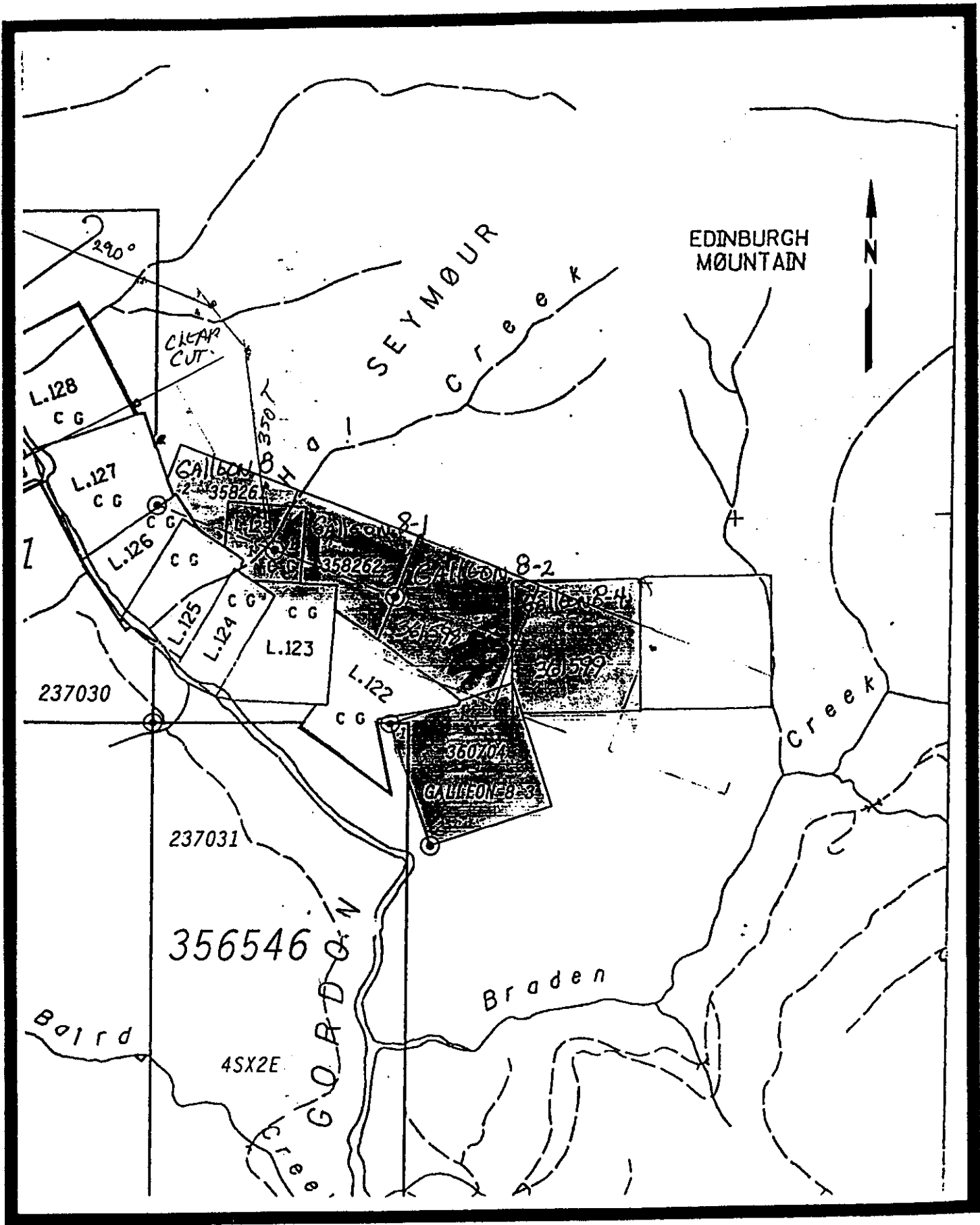
PORT RENFREW ZONING MAP-2



Scale:- 1:10,000

al 1	R-1		Commercial	
al 2	R-2		- General	C-1 
al 3	R-3		- Marine	CM 
al 4	R-4		- Tourist/ Recreational	CT 
idential 1	RR-1		- Potential	
e	RM-1		Industrial	M 
t	RM-2			
me Park	RM-3		Community Service	P-1 
			Park & Open Space	P-2 
			Agricultural Land Reserve	

Map 2



EDINBURGH CLAIM GROUP

From: Douglas Mittelberg
To: Quincy.qipo.sejse
Date: 5/13/98 2:37pm
Subject: E-136

Here is the chemistry results you requested. Results were obtained by titration method.

97.99% - CaCO₃
1.49% - MgCO₃
0.8% - Acid Insoluble

CC: hbrqb,hbjfl,hbcej

From: Douglas Mittelberg
To: Quincy.qipo.sejse
Date: 5/12/98 9:26am
Subject: Vancouver Island

Here's the color results for the sample taken at Port Renfren, Vancouver Island. It is labeled as E-136.

85%-200, X- 90.91 Y- 92.72 Z- 106.65 L- 97.11 a- 0.01 b- 1.71

CC: hbrqb,hbjfl,hbcej

HEAD OFFICE
5427 OHIO AVENUE SOUTH
PO BOX 80786
SEATTLE, WASHINGTON 98108
PHONE 762-7622

Imperial Limestone Co. Ltd.

VANANDA, B. C.

COMMERCIAL & INDUSTRIAL LIMESTONE
WHITE STUCCO CHIPS
WHITE SAND - WHITING



HIGH CALCIUM LIMESTONE
CALCIUM CARBONATE - MIN. 97%
MAGNESIUM CARBONATE - MAX. 2%

June 22, 1998

Mr. Gary Pearson
General Delivery
Port Renfrew, B. C.
V0S 1K0

Dear Gary:

I apologize for the delay, but here are the results of the tests performed on the samples you sent to us. As you can see, the chemistry, 97.99% calcium carbonate, is good. The brightness, 92.7 on the Hunter Y is very acceptable for our needs.

If this deposit is ever in production, we would be interested in looking further into the possibilities of using it as a source of our white rock supply.

Sincerely,

A handwritten signature in cursive script that reads 'Steve Eckhart'.

J. S. Eckhart
IMPERIAL LIMESTONE CO., LTD.
J. A. JACK & SONS, INC.