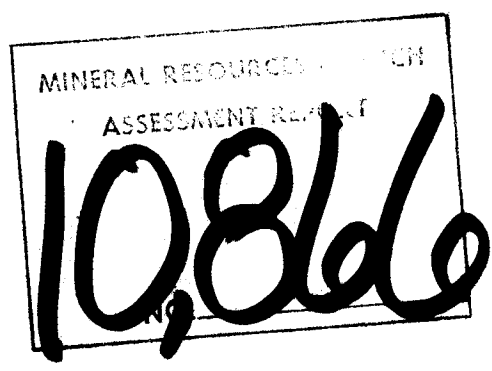


Assessment

GEOLOGICAL REPORT
NIOBY GROUP 1, NIOBY GROUP 2 AND JENTIN 1 & 2
NANAIMO MINING DIVISION
British Columbia

125° 30'W Longitude, 49° 52'N Latitude
Owner: Jentin Resources Ltd.
Operator: Mr. Lewis McCall
Consultant: E. Percy Sheppard, P.Eng.
Author: E. Percy Sheppard, P.Eng.
Date: January 14, 1983

N.T.S. 92F/13E, 14W



*Jentim

Nioby Groups 1 & 2

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Operator	
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Location Map	
Claim Map	Scale: 1:50,000
Fig. 5	" 1:10,000
Geology & Claims	

GEOLOGICAL REPORT
NIOBY GROUP 1, NIOBY GROUP 2 Jentin 1 & 2
Upper Quinsam Lake
Nanaimo M.D.

INTRODUCTION

and Jentin

The Nioby Groups 1 and 2 are located in the Upper Quinsam Lake area, Vancouver Island. ~~The claims were mistakenly referred to as Jentin 1 & 2 in the assessment work filed in December 1982.~~

Each of the ~~Nioby Group~~ claims contains 8, 8, 16, 16 units, for a total of ~~48~~ units. 48

Data for the following report were obtained from the geologic mapping and sampling carried out during the summer of 1982. The author was accompanied by Lewis McCall, prospector and one of the original stakers, and Richard Harling of Campbell River.

Current Owner: Jentin Resources Ltd.

Operator: Lewis McCall

Property: The claims are located 37 km southwest of Campbell River, Vancouver Island. Access is by the Island Highway north of Campbell River, past Camp 8 to the turn-off of the old Argonaut Mine road, proceed 17 km, turn left, thence 5 km to the claims. The area is covered by a network of logging roads which provides access to nearly all parts of the claims.

The claims lie in an area of steep hills and low valleys, 370 to 700 metres above sea level.

The climate is moderate and mining operations can be carried out throughout a normal winter.

cont...

and Jentia

Nioby Groups 1 & 2

Geology: The area was found to be underlain by granodiorite, hornblende, diorite of Jura-Cretaceous age (?) which intrudes Jurassic (TrQ 1) flows and breccias. (See Fig. 5)

The northwest part of Nioby Group 1 is underlain by granodiorite (gr1) which appears to intrude volcanic flows and breccias, and grades to fine-grained argillite, black, silicic. Shearing striking N 70° E cuts across the above formations and carries appreciable amounts of pyrite, chalcopryrite, lead and zinc.

In the southeast corner of Nioby 2, a strong mineralized zone containing zinc blende, pyrite and occasional chalcopryrite has been partly opened up. A steeply dipping N 15°E striking fault passes out of Nioby 2 at the eastern boundary and center line of Nioby 1 and 2.

Numerous occurrences of pyrite, chalcopryrite, lead and zinc sulphides occur throughout the claims.

WORK DONE

The two groups were mapped and partly sampled during the summer of 1982. Results of the work are depicted on Fig. 5.

CONCLUSIONS

The mapping and partial sampling of Nioby 1 and Nioby 2 groups indicated wide-spread sulphide mineralization, probably controlled by the numerous shears found in the rocks.

and Jentia 122

E. P. Sheppard
E. P. Sheppard, P.Eng.
Consulting Geologist

January 14, 1983



C E R T I F I C A T E

I, E. PERCY SHEPPARD, of the City of Vancouver, in the Province of British Columbia, hereby certify THAT:

I am a Consulting Geologist, at #1606-M, 1600 Beach Avenue, Vancouver, B.C., V6G 1Y7;

I am a graduate of Dalhousie University, with a B.Sc. in Geology, and have been active in mining exploration for over forty years;

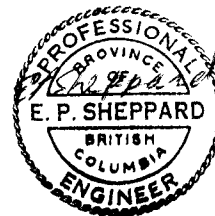
The accompanying report is compiled from data collected by the writer during his work on the property, and a study of pertinent Government reports;

I have no direct or indirect interest in the property covered by this report, nor in the securities of Jentin Resources Ltd., and do not expect to receive any such interest as a result of writing this report;

I am a member of the Professional Engineers Association of British Columbia, the American Institute of Mining Engineers, and a Fellow in the Geological Association of Canada.

DATED AT VANCOUVER, B.C., this 14th day of January 1983.

E. P. Sheppard
E. Percy Sheppard, P.Eng.



Nioby Group 1 & 2

ASSESSMENT WORK COSTS - as filed by
George McCall, Treasurer, Jentin Resources Ltd.:-

Nioby Groups 1 & 2:

Mapping, sampling -

6 days, 48 hrs @ \$30/hr ...\$1,440

Travel 200

\$1,640

E.P. Sheppard



Jentin Group 1 & 2

ASSESSMENT WORK COSTS - as filed by
George McCall, Treasurer, Jentin Resources Ltd.:-

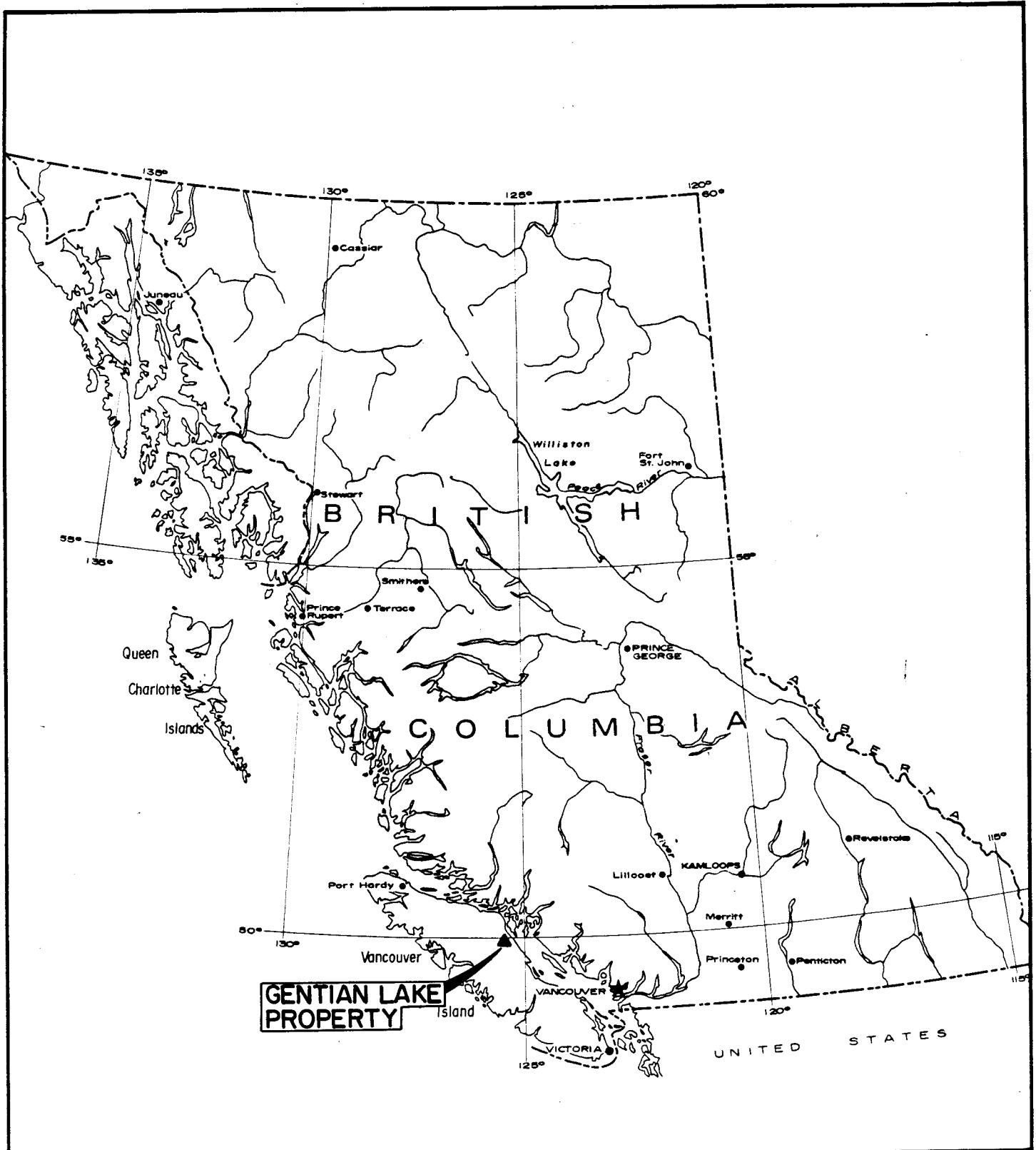
Jentin Groups 1 & 2

Mapping, sampling-
12 days, 96 hrs @ \$37/hr....\$3,552
Rick Harling
12 days, 96 hrs @ \$13/hr....\$1,248
Lewis McCall
12 days, 96 hrs @ \$20/hr....\$1,920
\$6,720

E. P. Sheppard

E. P. Sheppard, P. Eng.
Consulting Geologist

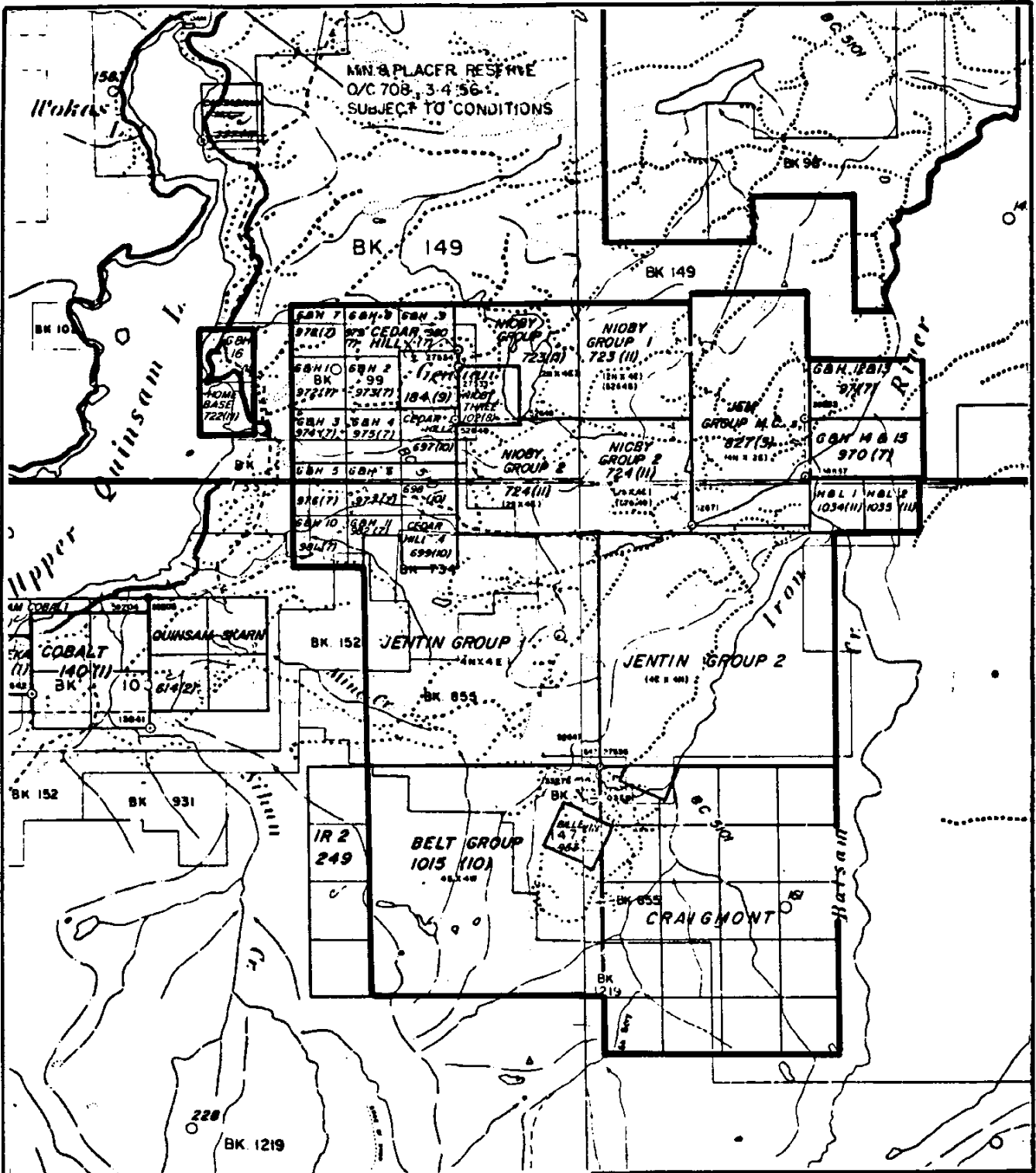
E.P. Sheppard



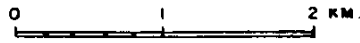
JENTIN RESOURCES LTD.
GENTIAN LAKE PROPERTY
LOCATION MAP
 UPPER QUINSAM LAKE
 NANAIMO MD. - NTS 92 F/13E, 14W

SCALE
 Km. 100 50 0 100 200 300 400 Km.
 Miles 100 50 0 100 200 Miles

JAN. 1982 E.P. SHEPPARD **FIGURE 1**



JENTIN RESOURCES LTD.
 GENTIAN LAKE PROPERTY
CLAIM MAP
 UPPER QUINSAM LAKE
 NANAIMO M.D. — NTS 92F/13E, 14W
 SCALE 1:50,000



E.P. SHEPPARD
 JAN. 1982

FIGURE 2



General Testing Laboratories

A Division of SGS Supervision Services Inc.

1001 EAST PENDER ST., VANCOUVER, B.C., CANADA, V6A 1W2
 PHONE (604) 254-1647 TELEX 04-507514 CABLE: SUPERVISE

TO:
 JENTIN RESOURCES LTD.
 c/o Mr. P. Sheppard, P. Eng.
 4140 Discovery Drive
 Campbell River, B.C.

CERTIFICATE OF ASSAY

No.: 8112-2157 DATE: January 4, 92

We hereby certify that the following are the results of assays on: **Rock Geochem**

MARKED	GOLD	SILVER	Copper	Lead	Zinc	Molybdenum	xxx	xxx
	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)		
13756 A	0.03	0.93	47	-	-	-		
13757 A	0.02	0.66	-	-	-	-		
13759 A	0.03	0.66	-	-	-	-		
13761 A	0.02	0.53	-	-	-	-		
13762 A	0.03	0.53	-	-	-	-		
13763 A	0.02	0.66	-	-	-	-		
13764 A	0.02	0.53	-	-	-	-		
13765 A	0.02	0.4	-	-	-	-		
13766 A	0.03	0.66	58	-	-	-		
13767 A	0.02	0.53	-	-	-	-		
13768 A	0.02	0.66	-	-	-	-		
13769 A	0.03	0.8	-	-	-	-		
13770 A	0.05	17.3	> 1000	> 1000	> 1000	2		
13771 A	0.05	163	> 1000	56	> 1000	-		
13772 A	0.03	0.8	-	-	-	-		
13773 A	0.03	0.8	-	-	-	-		

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

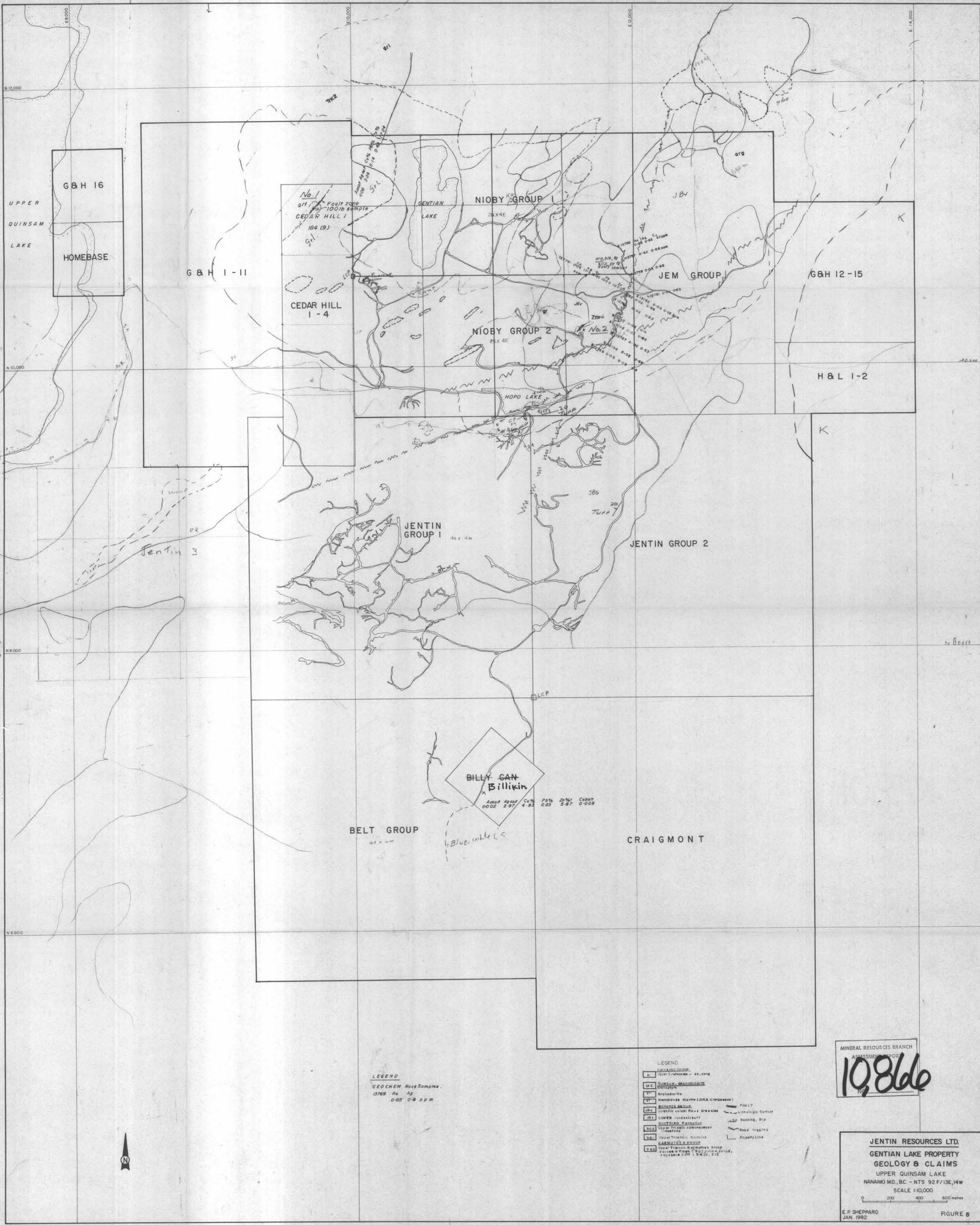
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Le Tong

PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association
 REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society
 OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade



UPPER
QUINSAM
LAKE

G & H 16

HOMEBASE

G & H 1-11

No. 1
Fault zone
10010 sample
CEDAR HILL 1
184 (9)
Gil

CEDAR HILL
1-4

GENTIAN
LAKE

NIOPY GROUP 1

NIOPY GROUP 2

JEM GROUP 1

G & H 12-15

H & L 1-2

JENTIN
GROUP 1

JENTIN GROUP 2

Jentin 3

BILLY CAN
Billikin

Auozt Agozt Cu% Pb% Zn% Cobalt
0002 2.97 4.93 0.23 9.97 0.009

BELT GROUP

CRAIGMONT

LEGEND
GEOCHEM Rock Samples
13769 Au Ag
0-03 0-8 ppm

LEGEND
NANAIMO GROUP
K Upper Cratonic - ss, cong
M2 QUILTING MANOUILITE
M1 Gneiss
M3 Hornblende gneiss (JUNA Chertaceous)
BONanza GROUP
J1 Juvvetic volcan. flows Breccias
J2 Lower Juvvetic
QUILTING Formation
Q1 Upper Triassic calcareous
Q2 Lower
KARLUK GROUP
K1 Upper Triassic Karluks Group
K2 Lower Triassic
K3 Lower Triassic

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,866

JENTIN RESOURCES LTD.
GENTIAN LAKE PROPERTY
GEOLOGY & CLAIMS
UPPER QUINSAM LAKE
NANAIMO MD, BC - NTS 92 F/13E, 14W
SCALE 1:10,000
0 200 400 600 metres
E.P. SHEPPARD
JAN. 1982

FIGURE 5