

Received from

012816

Property File

92L 214

Zeballos Dolomite

MEMO TO PETER FISCHL

FROM R.F. KENT

DECEMBER 17, 1989

RE CENTRAL ZEBELLOS DOLOMITE DEPOSIT

ENCLOSED IS SOME OF THE ANALYSIS AND COMMENTS MADE BY OTHERS. UNFORTUNATELY I DO NOT HAVE THE REPORT MADE BY DON TULLY, CONSULTING GEOLOGIST WHO REVIEWED THE CORE DONE WITH AN X-RAY DRILL. HE ALSO COMMENTED ON THE SIXE POTENTIAL WHCI HE SAID WAS SEVERAL MILLION TONS.

538-1708 (SECRET)
~~92-8440~~
~~92-377~~

HOPE THIS HELPS YOUR RESEARCH AND WOULD APPRECIATE A COPY OF THE DOCUMENT WHEN AVAIALBE.

MY ADDRESS IS

#110- 2239 FOLKESTONE WAY,
WEST VANCOUVER, B.C.
V7S 2Y7



852 DERWENT WAY • ANNACIS ISLAND • NEW WESTMINSTER, B.C. V3M 5R1
• PHONE (604) 526-4221 • TELEX 04-351105

Property File 92L214
Zebalus Dolomite

June 22, 1982
SRB:82:96

Mr. R.F. Kent
Compact Resources Inc.
#202-1999 Marine Drive
North Vancouver, BC
V7P 3E9

Dear Mr. Kent:

RE: Our W.O. #382-385

The following will confirm results relayed in telecom for the Dolomite sample evaluated by Econotech:

BRIGHTNESS, TAPPI, ELREPHO		88.1
BRIGHTNESS, ASTM, GE		89.6
CALCIUM CARBONATE,	%	93.0
MAGNESIUM CARBONATE,	%	1.76
SILICA,	%	0.50

I trust the information proves of value. Should you have any questions or if we may be of further assistance please do not hesitate to contact me.

Yours truly,

ECONOTECH SERVICES LIMITED

S.R. (Richard) Briggs
Mechanical Pulp and Paper Quality Supervisor

SRB/jk



Impact Resources
 Suite 1480
 1055 West Hastings Street
 VANCOUVER, B.C.
 V6E 2E9

Date April 28, 1981
 Our Ref 381-241 JRH:81:165
 Your Ref -

Attn: Mr. Dick Kent

SAMPLE DESCRIPTION		TEST		RESULTS	
One (1) Ore Sample, rec'd April 8, '81.					
ASTM No.	Analyses	200 Mesh	Grade 1	Grade 2	Grade 3
			(Paint Grade) L 1% >44 microns	(Filler Grade) L 15% >44 microns	(Coarse or Putty Grade) L 30% >44 microns
D-280	Moisture %	-	0.13	0.13	0.12
See Remarks	Calcium, Ca %	-	24.5	24.5	24.5
	Calcium, calculated as CaCO ₃ %	=	61.2	61.2	61.2
See Remarks	Magnesium, Mg %	-	11.1	11.1	11.1
	Magnesium, calculated as MgCO ₃		38.5	38.5	38.5
D-281	Oil Absorption, pounds/100 pounds pigment	-	20.9	18.2	18.2
E-97	G.E. Brightness (Blue Light Reflectance @ 457 nm)	84.6	-	-	-
D-1208	pH Value	-	9.1	-	-
D-1208	Alkalinity, mg NaOH/gram	-	4.8	-	-

COMMENTS: L = Less than

Analyzed by ASTM Standard Methods except calcium and magnesium which were determined by Atomic Absorption.

*NEW TEST
 ELAPHO BRIGHTNESS*

ECONOTECH SERVICES LIMITED

Per:

J. Hamilton
 Analytical Supervisor

JRH:at

CALCIUM CARBONATE COMPANY LABORATORY

GENERAL OFFICES: FRONT AND BIRN STREETS, QUINCY, ILLINOIS 62301

TELEPHONE 217/224-1100

TWX: 217/224-1703

REPORT OF ANALYSIS

Sample No. OS-2159 Code No. _____ Receiving No. _____
Date Received 8-3-81 Date Produced _____ Date Analyzed 8-4-81
Plant _____ Order No. _____ Car No. _____
Product Dolomite
Origin Vancouver (Via D. Gosnell)
Report To Dick Gosnell
Chemist Alyce: Pat F.

(Crystalline)

NOTE: WHITE ONLY: TEST ON LOW & HIGH ANALYSIS

TEST

RESULT

LOW CRYSTALLINE:

Filter #4 (Green)	91.25	Brightness
Filter #8 (Blue)	90.4	Brightness
325 Mesh	81.0%	Thru
% CaCO ₃ *	87.9	
% MgCO ₃ *	9.5	
Acid Insoluble	2.6%	

*Difficult to get into solution; digested 8 hrs.

HIGH CRYSTALLINE:

Filter #4 (Green)	92.1	Brightness
Filter #8 (Blue)	90.8	Brightness
325 Mesh	82.0%	Thru
% CaCO ₃	61.95	
% MgCO ₃	37.35	
Acid Insoluble	.78%	

DATE: 8-13-81 (Rec'd for typing 8-12)

CALCIUM CARBONATE CC.

Copies To Bob Shackleton

D. Lamm

1. Econotech letter dated June 22, 1982

RE. Our W.O. * 382-385

This is very good clean limestone and suitable for the paper industry.

2. Calcium Carbonate Company Laboratory

Report of Analysis 8-1-81

Low Crystalline

The product is not as good as the sample evaluated by Econotech reported in their letter of June 22, 1982. However, it is still suitable for the paper industry.

High Crystalline

This is not lime but is Dolomite. It is not suitable for the paper industry. It could be used in the steel industry or for water purification.

It is surprising that the low and high Crystalline products are so fine. The question is were these samples crushed to fines or as received from the mine deposits? They appear to be too fine to be processed in shaft kilns. They might be used in rotary kilns but there would be dust problems and material losses. They could be used in a fluidized bed but this use would require investment and high energy costs.

DR FRANK

GREAT LAKE CARBON

DON TULLY ENGINEERING LTD.
SUITE 1205, 555-13TH STREET
WEST VANCOUVER, BRITISH COLUMBIA
V7T 2N8

0403 R3

AG 1/2 R

January 4, 1990

Did you receive this information?

FILE NO:

Mr. Peter Fischl, B. Sc.
B. C. Ministry of Energy, Mines and
Petroleum Resources

3rd Floor
756 Fort Street
Victoria, B. C.
V8W 3A3

ENERGY, MINES AND
PETROLEUM RESOURCES
MAR 28 1990
MINISTER'S OFFICE

Dear Sir :

Re : Your telephone request Jan. 2/90
Industrial Minerals
R. F. Kent re Central Zeballos Mine

Mr. Kent commissioned me to log the core of five diamond drill holes drilled near the portal of the 9th (Main Crosscut) Level of the former Central Zeballos Mine late in March, 1982. The logs of these holes are attached herewith and summarized as follows -

<u>D.D.Hole #</u>	<u>Direction</u>	<u>Dip</u>	<u>Depth</u>
1-9-82	Southerly	+5°	36.28m
2-9-82	"	+5°	22.87m
3-9-82	"	+5°	18.29m
4-9-82	"	+5°	12.20m
5-9-82	"	+5°	38.72m
Total			128.36m

The core diameter is 18mm and was drilled during the period of February - March, 1982 and stored at the portal of the 9th (Main Crosscut) Level for logging. I believe it was later stored at 7280 Stirling Avenue, Vancouver, B. C. The direction of these holes is not known since the numbers of the drill was not marked at the collar locations on the walls of the crosscut but suffice it to say the direction of the holes was southerly across the trend of the dolomitic limestone horizon. The core recovery ranged between 44.6% and 100%.

The core showed ^{ING} whitish dolomitic limestone (dolostone) was intersected in each of the drill holes. This rock frequently carried small inclusions of chloritic matrix. Mafic and felsic dykes were noted in the recovered core sections.

I am not aware of any analyses of these cores.

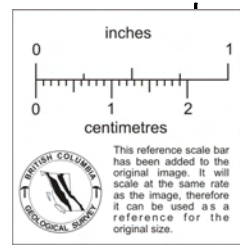
Encl.

Yours truly,
Donald W. Tully, P. Eng.

Donald W. Tully

FIG. 2
ZEBALLOS MINING CAMP, AREAL GEOLOGY

BRITISH COLUMBIA DEPARTMENT OF MINES
 VICTORIA B.C.

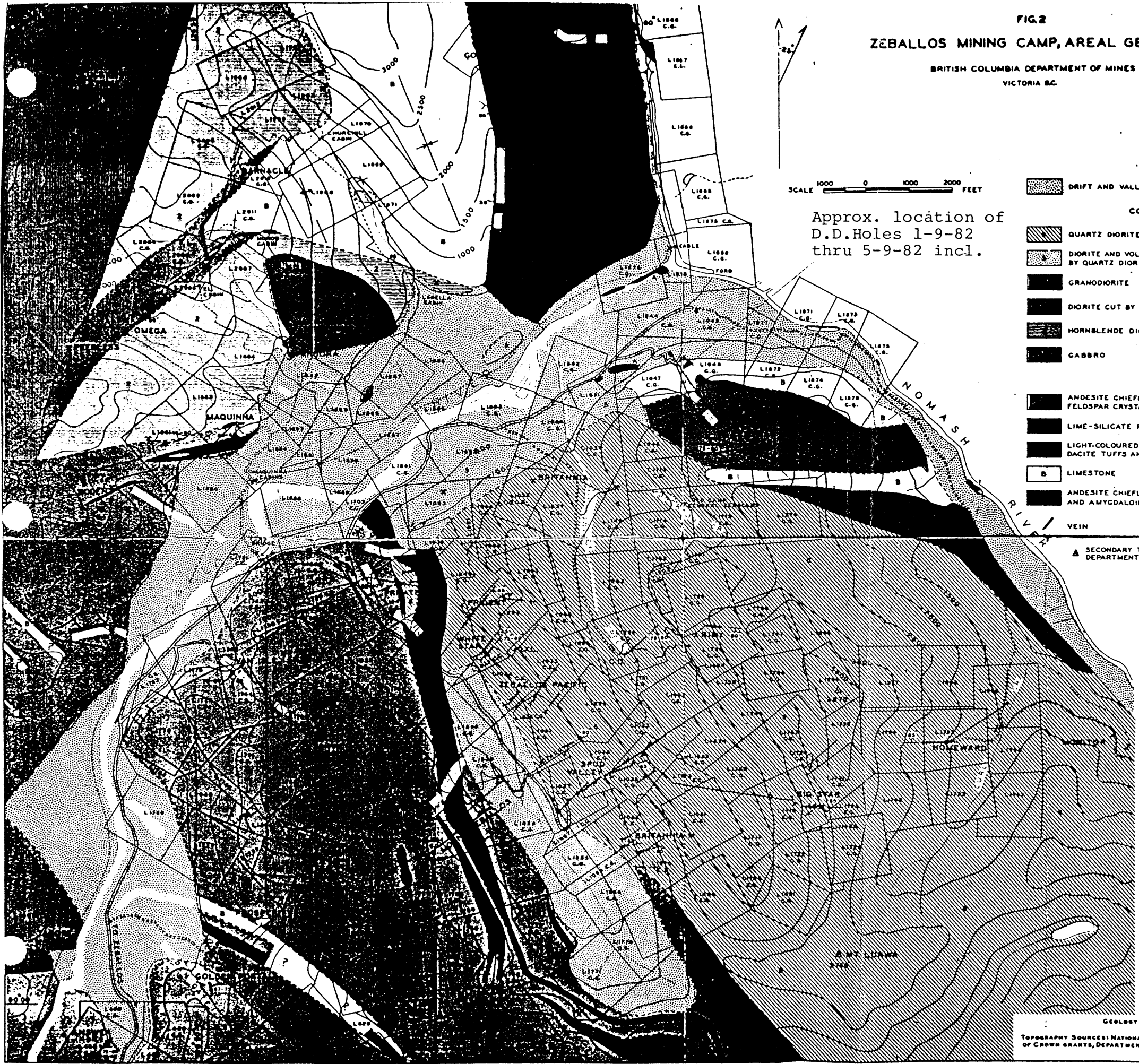


LEGEND

- DRIFT AND VALLEY-FILL
- COAST INTRUSIVES**
- QUARTZ DIORITE
- DIORITE AND VOLCANICS BRECCIATED AND CEMENTED BY QUARTZ DIORITE
- GRANODIORITE
- DIORITE CUT BY MANY GRANODIORITE DYKES
- HORNBLENDE DIORITE
- GABBRO
- INTRUDED ROCKS**
- ANDESITE CHIEFLY PYROCLASTICS (DARK GREEN, HORNBLENDE FELDSPAR CRYSTAL TUFFS AND VOLCANIC BRECCIA), SOME LAVA
- LIME-SILICATE ROCKS
- LIGHT-COLOURED VOLCANICS (FELDSPAR CRYSTAL TUFFS AND DACITE TUFFS AND FLOWS)
- LIMESTONE
- ANDESITE CHIEFLY DARK GREEN LAVA (FINE-GRAINED AND AMYGDALOIDAL PHASES)
- VEIN
- REPLACEMENT BODY
- SECONDARY TRIANGULATION STATION, TOPOGRAPHIC SURVEYS, DEPARTMENT OF LANDS, BRITISH COLUMBIA.
- PROSPECT
- ADIT
- GEOLOGICAL CONTACT DEFINED
- GEOLOGICAL CONTACT INFERRED
- MOTOR ROAD
- TRACTOR ROAD
- PACK-HORSE TRAIL
- FOOT-TRAIL
- SURFACE TRAM
- AERIAL TRAM
- SWAMP

SCALE 1000 0 1000 2000 FEET

Approx. location of
 D.D.Holes 1-9-82
 thru 5-9-82 incl.



NOTE:

DYKES HAVE NOT BEEN SHOWN.

GEOLOGY BY JOHN S. STEVENSON, 1947.

TOPOGRAPHY SOURCES: NATIONAL TOPOGRAPHIC SHEET 927, OFFICIAL SURVEYS OF CROWN GRANTS, DEPARTMENT OF LANDS, VICTORIA, AND JOHN S. STEVENSON.