

180-4399-#8299

DRILLING REPORT

BAV M.C.'s

KALUM LAKE

TERRACE, B. C.

Sub-Mining Recorder

RECEIVED

JUN 26, 80

M.R. # _____ \$ _____
TERRACE, B. C.

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TITLE PAGE

Report on diamond drilling on BAV Mineral Claims #'s 1-4 inclusive situate approximately 21 miles North of Terrace, BC, on the West shore of Kitsumkalum Lake.

Skeena Mining Division

NTS 103I 10/W 128° 45' 54° 45'

Owners of Claims	R.H. Bates and John Apolczer, et al.
Operators	Owners
Author of report	R.H. Bates / Authors signature <i>Richard Bates</i>
Qualifications	30 years field experience including geological mapping, geophysical surveys (Magnetometer, EM, SP, IP, Geochemical and resistivity. For major companies and as self employed explorationist. Including also operation of diamond drills, percussion drills, underground and surface drilling and blasting, property evaluation, and President & general manager of public exploration company (Kleanza Mines Ltd. (npl) & Kendal Mining & Exploration Company Ltd (npl) 1965 to 1974. In addition, maintenance of exploration office in Terrace for years 1964 to present. President of Northern BC Chamber of Mines, 1969 to 1973 .

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INTRODUCTION AND HISTORY OF PROPERTY

Early history of this mineral occurrence begins about 1920 when the main quartz vein was discovered . In 1922 the Portland Mining Company was formed. Attempts were made to sink a shaft in 'running' gravel. In 1925, Kalum Lake Mines company was formed. A new vertical shaft was begun and succesively deepened through various financings. The vein which had outcropped at less than one inch width on surface, was found to be one foot in width and "a strong lead" at a depth of some 65 feet. A drift was driven for 210 feet along a contact of carbonaceous shales and argillites to the North and intrusives to the South, From this drift, which began from the bottom of the shaft, 20 feet of crosscut was made. These workings returned ore samples assaying as high as 6.25 ounces of Gold and 10 ounces of Silver per ton. The current work has returned assays from the dump from the workings which verify the earlier assays. Today, the aforesaid workings are caved and flooded.

The drill hole was sunk to 374 feet depth at minus 40 degrees to the North. Its purpose is to test a recently discovered zone of silicification lying adjacent to the known mineralized structure and described workings. The hole did not intersect the main vein as caving at 374 feet made continuation impossible. The intrusive rock was found to be extremely hard and diamond wear was high.

Details and costs of drilling

Equipment employed Longyear '24 2 cyl. drill/ screw head
 D7 caterpillar tractor
 AQ/WL rods/bits
 4x4 truck for personel transportation
 Dodge Power wagon /hauling equipment
 and storage/lock-up

Eleven, grade "AA" step bits were used	\$ 2,161.50
Supplies	24.18
Reamers AQ	385.15
Pump rental	330.15
Assays	237.50
Bulldozing	1,130.82
Transportation (Vehicle rental)	1,494.50
Misc. equipment rentals	50.00
Grout, cement, mud, fuel, oil, gasoline, rod grease	1,412.70
Labour J. Apolczer July 1st to 31st incl.	900.03
R. Bates July 1st to 31st incl.	900.04
Core boxes	120.00
Casing bits	261.50
All rentals and equipment use is for July 1st to 31st 1980	
Total costs	\$ 9,408.07

Depth of hole 374 feet or 114 metres
Attitude & Direction -40 degrees to the North (astronomic)
Location of core storage is on the BAV Mineral Claims, hereto.

BAV NO. 1

BAV NO. 2

14
ACCESS ROAD

(PROPOSED DDH)

APPROX. CLAIM LINE

APPROX. E.M.V. TRACE

SOIL SAMPLE

ASTRONOMIC

BURN AREA

TRENCH "C" (3)

OPEN CUT "A" (1)

TRENCH - OPEN CUT "B" (3)

COMPLETED DDH
AQ/WL 114m. - 40°

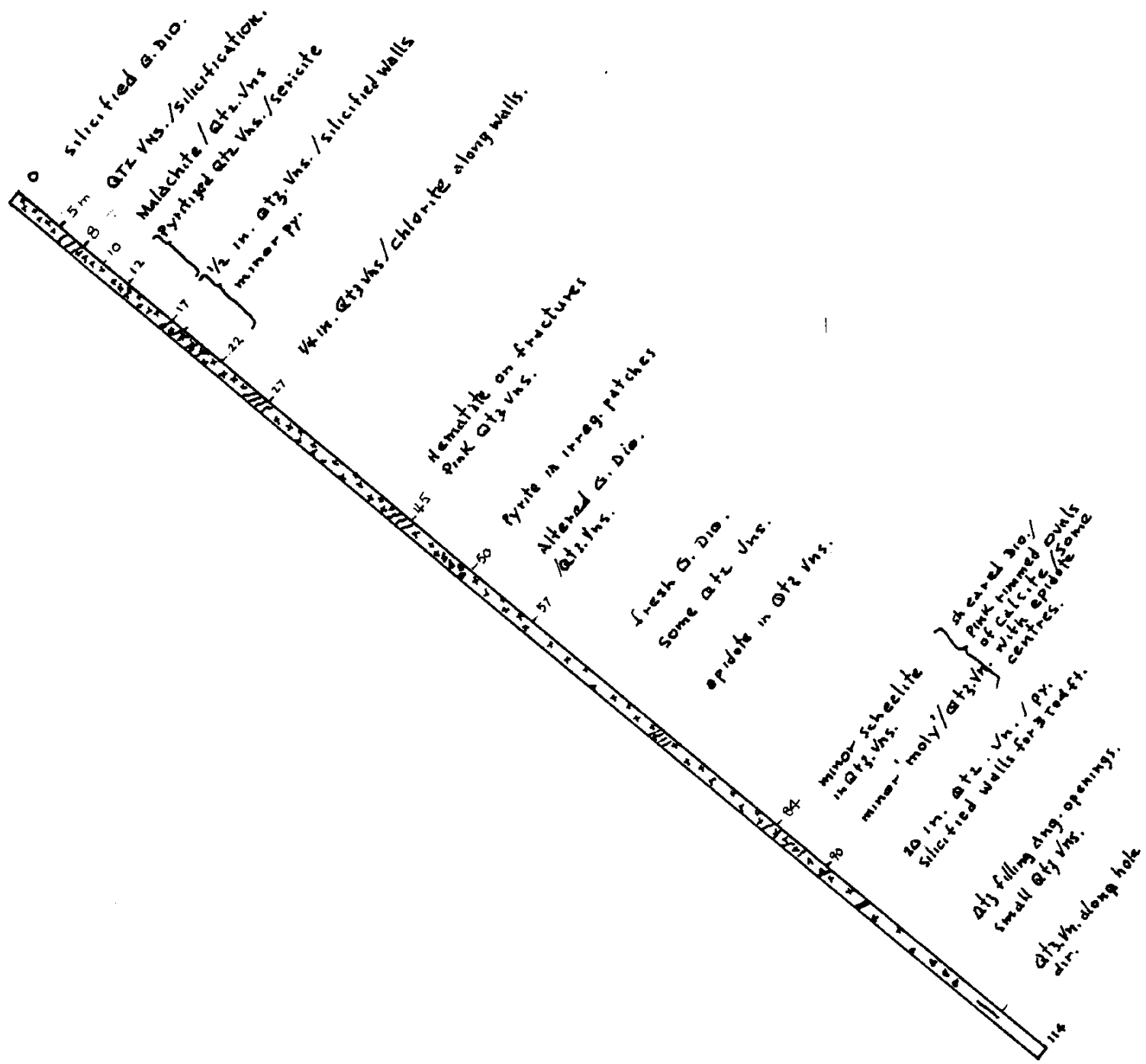
OLD SHAFT

RAIL

TRENCH

BAV M.C.'S WORKINGS

SCALE 1:1000 R.N. DATES



Log of core from DDH # BAV 1
 -40° North (Astronomic)
 114 m. depth

To: Crystal Mines

REPORT NO. A29 - 1190

PAGE No. 1

BONDAR-CLEGG & COMPANY LTD.

DATE: October 15, 1979

P. O. Box 580
Terrace, B.C. V8G 4B5

CERTIFICATE OF ASSAY

Samples submitted: October 1, 1979
Results completed: October 15, 1979

I hereby certify that the following are the results of assays made by us upon the herein described core samples.

MARKED	GOLD		SILVER		Percent	Percent	Percent	Percent	Percent	Percent	Percent
	Ounces per Ton	Grams per Metric Ton	Ounces per Ton	Grams per Metric Ton							
11851 - 0 - 25 FT.	<0.002		0.02								
11852 - 25 - 51 "	<0.002		0.03								
11854 51 - 74	0.002		0.04								
11855 74 - 100	<0.002		0.02								
11856 100 - 123	<0.002		0.05								
11857 123 - 127' 10"	<0.002		0.05								
11858 127' 10" - 148' 6"	<0.002		0.02								
11859 148' 6" - 157'	<0.002		0.03								
11860 157 - 179' 6"	<0.002		0.02								
11861 179' 6" - 202' 4"	<0.002		0.02								
11862 202' 4" - 215'	<0.002		0.02								
11863 215' - 246'	<0.002		0.07								
11864 246' - 264'	<0.002		0.08								
11865 264' - 268' 7"	<0.002		0.03								
11866 268' 7" - 282'	<0.002		0.02								
11867 282' - 292'	<0.002		0.06								
11868 292' - 297'	<0.002		0.02								
11869 297' - 306'	<0.002		0.02								
11870 306' - 308' 3"	0.011		0.07								
11871 308' 3" - 312'	<0.002		0.02								
11872 312' - 324'	<0.002		0.02								
11873 324' - 334'	<0.002		0.02								
11874 334' - 343'	<0.002		0.02								
11875 343' - 354'	<0.002		0.02								
11876 354' - 364'	<0.002		0.02								
364' - 374'											

NOT ASSAYED - NO RECOVERY OF CORE OR SLUDGE

NOTE:
Rejects retained three weeks
Pulps retained three months
unless otherwise arranged.


Registered Assayer, Province of British Columbia

