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WORK PROGRAM ON BERNHARDT PROPERTY

APRIL 1, 1998

Prepared for M. GILBERT,R. LAVOIE,J.G. ST. PIERRE

by BARBARA KOWALSKI



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I.O INTRODUCTION

An exploration program was completed for M.Gilbert, R.Lavoie, J.G. St. Pierre, July 25, 1996 to August 6, 1996 on the Bernhardt property. The unpatent mining claims are located in Bernhardt and Morrisette Townships, Northeastern Ontario. The claim numbers worked on during the program are 1219352, 1219358 and 1219355. An excavation program followed by dewatering and obtaining rock samples of the Kinika mine shaft was completed.

I.I LOCATION AND ACCESS

The property is located approximately 10 miles northwest of the Kirkland Lake, Ontario. It is accessible from Trans Canada Highway 11, 14 miles north to Bourkes Road. The property is accessed by a bush road, all terrain vehicles, 3 miles southeast to the claim block.

1.2 TOPOGRAPHY, VEGETATION AND CLIMATE

Typical Archean topography characterizes the property with northwesterly trending ridges separated by lower areas filled with swamp and spruce bogs. Those higher elevated areas are covered with white spruce, balsam, birch and poplar forests with local brush. Maximum relief on the property is 100 feet. The lower elevated areas are covered with black spruce and cedars.

Mild summer and cold winters are characteristic of northern temperature conditions. Abundant and accessible water on the property will provide for all exploration and advanced mining requirements.

I.3 SERVICES

The property lies 10 miles north from the town of Kirkland Lake, Ontario where many services may be obtained for exploration and

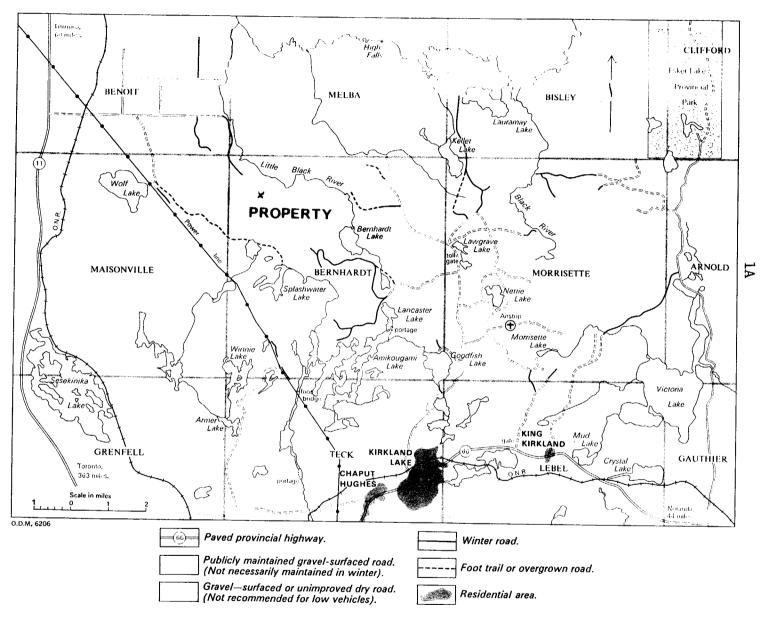


Figure & —Access roads to Bernhardt and Morrisette Townships.

(From Ruperty howell 1970)

advanced work programs.

1.4 CLAIM STATUS

The claims (1219351 to 1219358 (25 units) inclusive) are not contiguous and registerd at the Mining Recorder's Office in Sudbury, Ontario and can be found on the Bernhardt (G-3207) and Mainsonville (G-3669) Townships claim maps. All the claims are in good standing in accordance with the Ontario Mining Act.

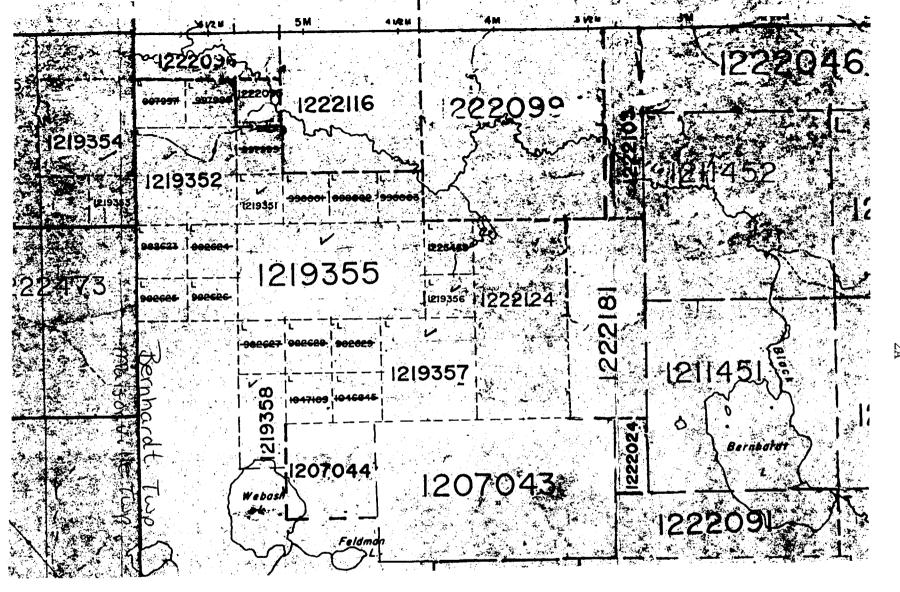
1.5 PREVIOUS WORK

Various exploration programs were completed on the property. The programs are summarized below, but the documents are located in the assessment files of the Ministry of Northern Development and Mines office in Kirkland Lake, Ontario.

The first recorded work on the claims was completed in 1922 by Challenger and Height of Land Niagara Falls Syndicate (later to be known as Kinika Gold Mines) in the nortwest corner of Bernhardt Township. During this time, stripping, trenching and sampling of quartz veins was carried out, with a recommendation to investigate the Cabin Vein. One mile to the southeast from the Cabin Vein, trenches, pits were sampled and assayed with results from 0.05 to 0.40 oz. Au/ton.

In 1924 and 1925, a 50 foot shaft was sunk by Ontario Gold Veins Limited on the Cabin Vein and a cross cut driven for 14 feet exposed an 8 foot vein. Samples were taken from the walls of the shaft. Results of the samples returned between 0.01 to 0.40 oz. Au/ton. A second 50 foot shaft was sunk during this time on the Jumbo Vein, located 7,300 feet on strike to the east from the Cabin Vein.

In 1937, Kinika Gold Mines, dewatered and reopened the Cabin Vein shaft. Coarse-visible gold was reported and samples were taken from the walls of shaft and returned an average of 0.16 oz. Au/ton over 15.0



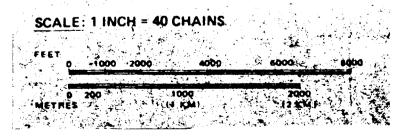


FIGURE 2: BLUE MOUNTAIN PROPERTY (FROM MNDM CLAIM MAPS BERNHARDT AND MAISONVILLE)

LOOKING NORTH

99E 100E 74-1(N.A.) • × 74-3(0.30/4.5') *89-9(N.A.) 74-2(0.11/0.3') **•74-2(0.24/3.2')** 74-7(0.15/6.2') 50 -74-8(0.08/5.4') •74-2(0.03/5.0°) .89-1(N.A.) 74-4(NIL) •74-6(0.02/6.0') 74-7(0.04/6.5')* *89-2(N.A.) 100-

LEGEND

N.A. = NO ASSAY

X = KINIKA SHAFT

74-1 = DIAMOND DRILL HOLES

0.3/5.0'=0.3 OUNCES Au PER TON ACROSS 5.0 FEET

FROM BEAUMONT RESOURCES LIMITED AND UTAH MINES LIMITED

SCALE: 2.5CM=50M

0 50 100 150 metres

FIGURE 3:

BLUE MOUNTAIN PROPERTY

KINIKA ZONE

LONGITUDINAL SECTION BERNHARDT TOWNSHIP

TIMISKAMING DISTRICT

KIRKLAND LAKE, ONTARIO

B. KOWALSKI

AUGUST 11,1996

feet.

In 1966, a government geological mapping program was undertaken on the property.

In 1972, Ajax Minerals Limited completed a small trenching program around the Cabin Vein.

In 1974, Consolidated Beaumont Resources Limted completed a magnetometer, VLF-EM and a 8 hole diamond drill program for a total of 2,860 feet. Results from the better diamond drill holes were reported for a length of 250 feet as follows:

DDH 74-2 3.2 feet of 0.24 oz. Au/ton DDH 74-3 4.5 feet of 0.30 oz. Au/ton DDH 74-7 6.2 feet of 0.14 oz. Au/ton 6.5 feet of 0.04 oz. Au/ton DDH 74-8 5.4 feet of 0.08 oz. Au/ton

At this time the claims were allowed to lapse.

In 1980, Don McKinnon optioned the claims to Cedar Ridge Explorations Ltd. completed a magnetometer and VLF-EM geophysical program with nominal backhoe program. The report was written by David Bell.

In 1981, an airborne magnetometer and VLF-EM geophysical program was completed by the Ontario Geological Survey.

In 1984, Carl Forbes completed a reconnaissance magnetometer program on certain parts of the claim block. In 1985, he optioned the property to Premier Explorations Inc.who completed a bulldozer, trenching, sampling, blasting and mapping program on the property. The principal work was completed over the Jumbo Vein shaft, with limited work done around the Cabin and Toast Veins.

In 1986, Longbow Lake Exploration Syndicate, completed a basal till sampling program in the vicinity of the Cabin, Jumbo and Toast Veins. Results of the program were reported as follows:

Cabin Vein 0.005 and 0.035 oz. Au/ton Jumbo Vein 0.002 and 0.08 oz. Au/ton Toast Vein 0.002 oz. Au/ton

In 1988, Utah Mines Limited, completed a geological mapping program accompanied with a I.P., magnetometer and VLF-EM surveys. A diamond drill hole program consisting of 9 holes was also completed on the property. The assays from the program were not reported.

The claims were allowed to lapse and are staked by the current claim holder.

1.6 REGIONAL AND PROPERTY GEOLOGY

The geology of the area is best described in a report by Rupert and Lovell (1970) as follows: "All bedrock in Bernhardt and Morrisette Townships is Archean. As in adjacent areas, the oldest rocks recognized are mafic metavolcanics, which are followed by more felsic metavolcanics. These extrusive rocks are intruded by mafic igneous rocks and subsequently by grantitic stocks with many related dike and apophyses. A few dikes related structurally and petrographically to the Matachewan dike swarm are present." Structurally, the Winnie Lake and Lebel stocks have important effects on folding over the property area. "To the northeast of both stocks, broad folds generally trend north-northwest, but between the stocks, the strata are crumpled into less regular folds, the axes of which trend approximately perpendicular to radial lines from the centres of the stocks. Consequently, this region contains a number of small folds which die out along their axial trend" (Rupert and Lovell, 1970). The resulting structure lying in the property area is a northwest anticline. The faults that occur in the property area are north-striking lineaments. The principal mineralization found on the property is pyrite with minor chalcopyrite. The sulphides occur as finedisseminations principally in close vicinity to quartz-fissure veins and quartz-carbonate veins.

2.0 CURRENT WORK PROGRAM

The Kinka Shaft was completely dewatered and resampled. The results are shown in Figure 4 and all the assay certificates of the program are provided in Appendix 1. Best assays obtained was 0.05 oz. Au/ton across 6.0 feet on the east wall and 0.072 oz. Au/ton across 1.5 feet on the west wall.

An excavation program was carried out over several areas of the claim block and sampling results are shown in Figure 5. The mafic metavolcanics near the Kinika Shaft are pillowed, brecciated and altered with quartz, carbonate, epidote and potassium feldspar. Mineralization found only at the shaft site, include, fine-grained pyrite, chalcopyrite, galena, argentite and visible gold. The best assay obtained from the grab samples was 0.08 oz. Au/ton.

The geology in the vicinity of the Jumbo Shaft consist principally of pillowed mafic metavolcanics with 30% coarse-grained pyrite. Results from the sampling are shown on Figure 6.

The Toast Vein occurs within a tuffaceous unit with a strike and dip of 090/88N.

Other areas excavated include a diabase dike where, coarse-grained pyrite, pyrrhotite and chalcopyrite were found.

Grab samples were obtained from the Webash Lake area. The best assay from the samples was 0.049 oz. Au/ton.

EQUIPMENT USED

Mobilization and Demobilization dates: July 25th,26th and Aug.6th.

Muskeg Bombadier WS48....\$150/hr x 10 days...12hrs/day

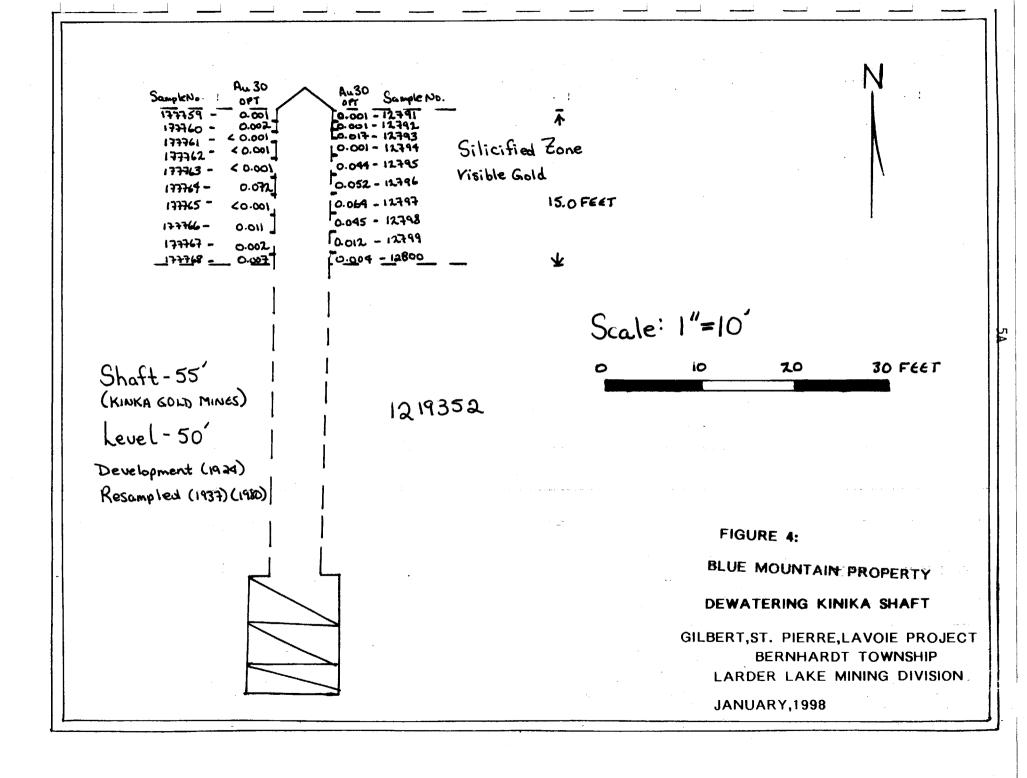
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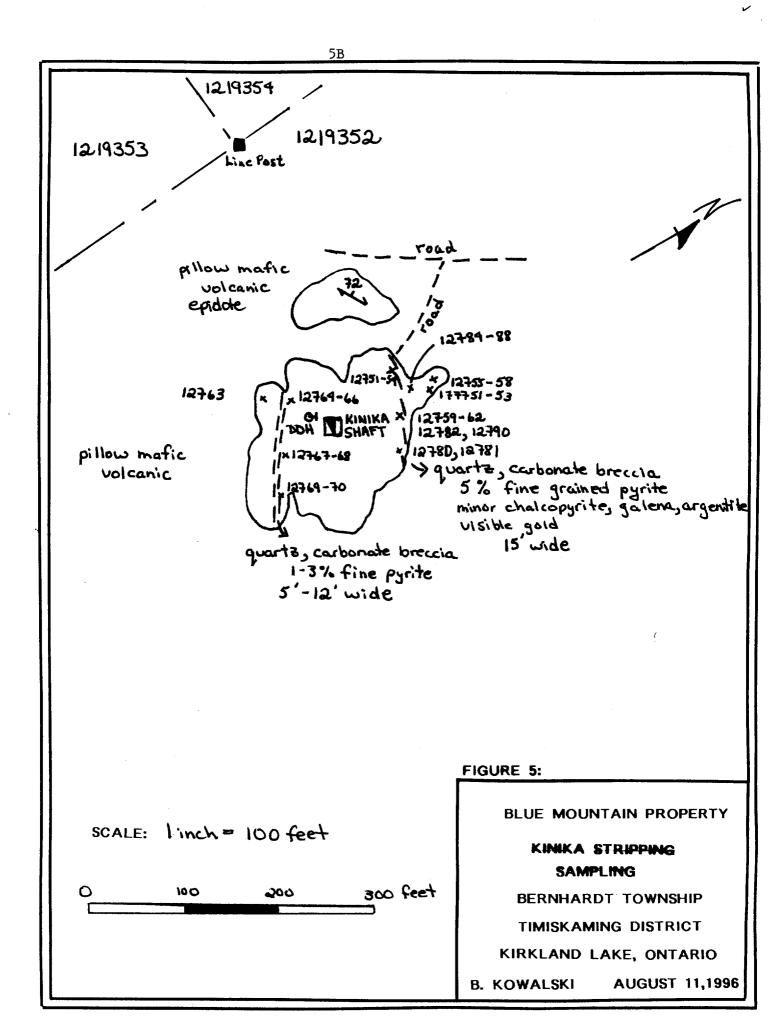
Bombi.....\$50/hr x 10 days.....6hrs/day

-Operator \$100/day...6hrs/day

Bulldozer D4D-LGP...\$55/hr x 10 days....12 hrs/day

-Operator \$100/day....12hrs/day





matic Volcanic 177756 JUMBO مة المس SHAFT mafic Volcanic 30% pyrite

SCALE: linch = 25 feet

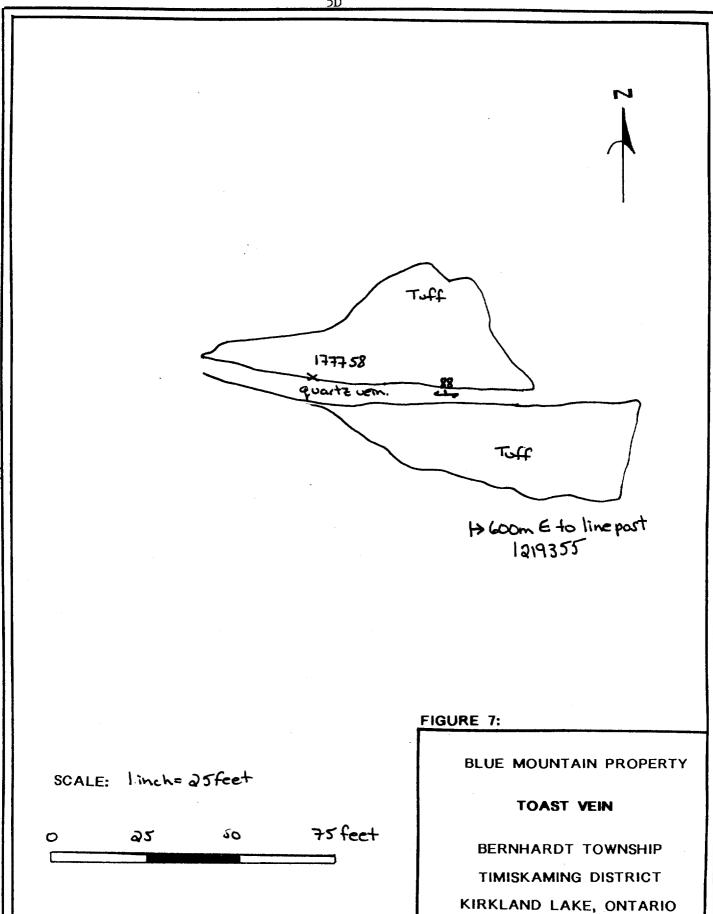
75 feet 50 25 0

FIGURE 6:

BLUE MOUNTAIN PROPERTY

JUMBO SHAFT

BERNHARDT TOWNSHIP TIMISKAMING DISTRICT KIRKLAND LAKE, ONTARIO AUGUST 11,1996 **B. KOWALSKI**



AUGUST 11,1996

B. KOWALSKI

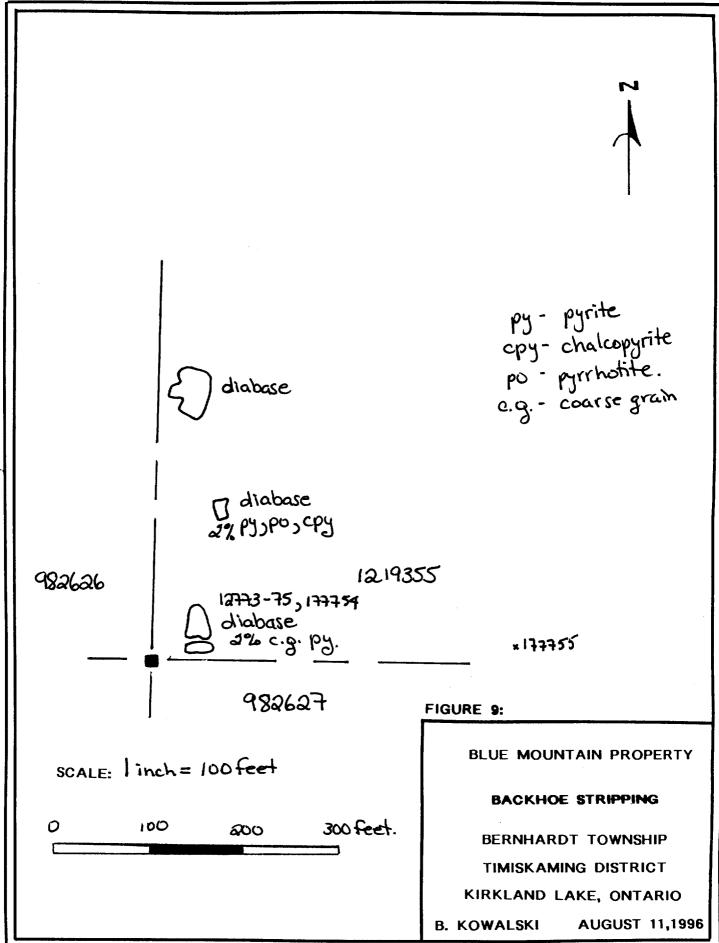
5E 982624 1219355 982626 12771-sample number quartz ventets

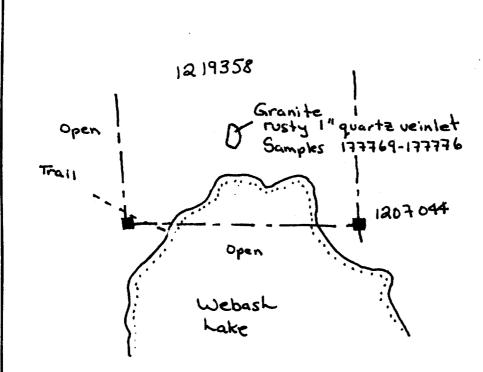
3% f.g. - C.g. py

1 % cpy c.g. - coarsegrain
py - pyrite
cpy - chalcopyrite 12772 FIGURE 8: **BLUE MOUNTAIN PROPERTY** SCALE: linch = 100 feet **BACKHOE STRIPPING** 300 feet. 0 100 200 BERNHARDT TOWNSHIP TIMISKAMING DISTRICT KIRKLAND LAKE, ONTARIO

AUGUST 11,1996

B. KOWALSKI





SCALE: 2.5cm = 150metres

0 150

300 450 metres

FIGURE 10:

BLUE MOUNTAIN PROPERTY

Webash Granite

BERNHARDT TOWNSHIP
TIMISKAMING DISTRICT
KIRKLAND LAKE, ONTARIO

B. KOWALSKI AUGUST 11,1996

Bulldozer-Backhoe -Liebherr Model.....\$60/hr x 10 days.....12 hrs/day
-Operator \$100/day....12 hrs/day
Sloup.......\$15/day x 10 days
Two generators \$50/day x 10 days.....24 hrs/day
Compressor...\$45/day x 10 days
Wajax..\$35/day 1 gas operated and 3 electric operated
Ventillation hose....\$30/day x 5 days
Four ladders.....\$40 each x 4
Fan.......\$10/day x 5 days
Plugger....\$35/day x 10 days....7 hrs/day
Shovels, axes, hammers......\$25/day x 10 days
Chainsaws (3) x \$15/day x 10 days

Names and Addresses of Companies that worked on the claim block:

Forage Val d'Or, 400 des Distributeurs, Val d'Or, Quebec Ladel Exploration Inc., 4229 Ch. Blanchette, Sullivan, Quebec Machinere St. Pierre, 3405 Ch. Sullivan, Sullivan, Quebec Morning Dew Exploration Ltd., 49 Morning Dew Dr., Brantford, Ont.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Successful results were obtained from the program. A 1,000 foot diamond drill program is recommended to proceed in close vicinity to the previous drilling completed near the Kinika Shaft. The purpose of the program would be to extend the lateral and vertical depth of the various gold lenses encountered from previous workers.

4.0 AUTHOR'S QUALIFICATIONS

I, Barbara Kowalski, am a graduate from McMaster University in 1983 with a Bachelor of Science degree and 1994 from Lakehead University with a Master of Science degree in Geology. I have been actively employed since 1983 and am responsible and am the author of this report.

Barbara Kowalski Geologist, M.Sc.

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Taylor, R.F., Kinika Gold Mines Limited, Benoit, Melba, Maisonville, and Bernhardt Townships, Larger Lake Mining Divison, Ontario. Unpublished report, September 13, 1937.

Webb, J.B., Ontario Gold Veins Limited, Bernhardt and Maisonville Townships, Larder Lake Mining Division, Ontario. Unpublished report, April 26, 1937.

Weidner, S.O., Utah Mines Limited and Glencairn Explorations Ltd. Blue Mountain Property, Bernhardt and Maisonville Townships.

APPENDIX I: ASSAY CERTIFICATES

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Certificat D'Analyse Assay Lab Report

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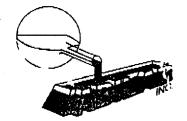
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ITS Intertek Testing Services Chimitec Bondar Clegg

Certificat D'Analyse Assay Lab Report

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ABILAB INC.

1905, 3e Avenue, Val-d'Or (Québec) J9P 4N7 Tél.: (819) 874-4723 Fax: (819) 874-0625

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Declaration of Assessment Work Performed on Mining Land

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absection 65(2) and 65(3) of the Mining Act. Under section 6 of the Mining Act, this nent work and correspond with the mining land holder. Questions about this collection ment and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 685.

Instructions: - For work performed	on Crown Lands before recording a claim, us	e form 0240.
- Please type or print	in ink.	.18361
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4. Certification by Recorded II. (Print Name) this Declaration of Assessment W completion and, to the best of my Signature of Recorded Holder or Age	ork having caused the work to be performed or knowledge, the annexed report is true.	personal knowledge of the facts set forth in witnessed the same during or after its $\frac{\text{Date}}{\Delta c} = \frac{1}{2} \frac{100 \text{M}}{2}$
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RECEIVED APR 0 6 1998 A.M. /1.25 NAM. 1. Recorded holders continued

w9880.00229 2.18361

Mean-Guy st. Pierre Client No. 302739 571 Ch de la Baie Dorée Telephone No. 8198249256 Val d'or, Quebec

Barbara Kowalski 19 Morning Daw Dr. Brantford, Ontano N3R3Pl Client No. 153849. Telephone No. 8198252066.

	•	2.	1000	301 W9880.00229				
work to minin colum	g Claim Number. Or if vas done on other eligible g land, show in this n the location number ited on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of wor to be distributed at a future date		
• g	TB 7827	16 ha	\$26,825	NA	\$24,000	\$2,825		
•g	1234567	12	0	\$24,000	0	0		
eg	1234568	2	\$ 8,892	\$ 4,000	0	\$4,892		
l	1219352	4	39.671.	9.486	30.185	0		
2	1919355	8	10.000	16,920	0			
)	1219358	Q	3,200	3,200	0	0		
,	1219351	1	0	2,115	0			
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GEOSCIENCE ASSESSMENT



Statement of Costs for Assessment Credit

Transaction Number (office use)
W9880.00229

Personal Information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 685.

Physical Dourate Trip	Units of work Depending on the type of work, list the number of hours/day worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cos
lusker/Bulldozer/Backhoe+	· Whilday	1,273	31,800
Backhie Stripping	1		1
Operators	12 hr/day	120	3,000
ombi	6 hr lday	120	3,000
Operator	6 hrlday	40	1000
Seologist			3,350
Assay	lod samples.	34.6.	866.
Associated Costs (e.g. suppli	es, mobilization and demobilization).		
nob + Demob. T	ire this	120	3,000
	radders Fan: Plager, Shouls, Chair and	147	3.675
	, , , , ,		1
	ortation Costs		
Trucks 30°/6m = 560 k	(m	33.6.	840
Food and	Lodging Costs		
4 ne-de y \$45/dayx i	310.5	93.6.	2340
The context in the co	321443	10, 6.	14,5 10.
	Total V	alue of Assessment Work	52,87
Calculations of Filing Discounts:			
. If work is filed after two years and	formance is claimed at 100% of the above To up to five years after performance, it can only situation applies to your claims, use the calc	y be claimed at 50% of the 1	
TOTAL VALUE OF ASSESSMENT W	/ORK x 0.50 =	Total \$ value of	worked claimed
	pible for credit. If to verify expenditures claimed in this statem ection/clarification. If verification and/or corre		

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12-30.
APR 0 5 1998

Tracorded holder, age

Certification verifying costs:

Declaration of Work form as

Signature Carally April

I am authorized to make this certification.

, do hereby certify, that the amounts shown are as accurate as may reasonably

position with signing authority)

GEOSCIENCE ASSESSMENT OFFICE

be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines

June 17, 1998

BARBARA SYLVIA KOWALSKI 49 MORNING DEW DR. BRANTFORD, ONTARIO N3R-3P1



Geoscience Assessment Office 933 Ramsey Lake Road 6th Floor Sudbury, Ontario P3E 6B5

Telephone: (888) 415-9846 Fax: (705) 670-5881

Visit our website at: www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.18361

Status

Subject: Transaction Number(s):

W9880.00229 Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at jeromel2@epo.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

ORIGINAL SIGNED BY

Blair Kite

Supervisor, Geoscience Assessment Office

Mining Lands Section

Work Report Assessment Results

Submission Number:

2.18361

Date Correspondence Sent: June 17, 1998

Assessor:Lucille Jerome

Transaction Number First Claim

Number

Township(s) / Area(s)

Status

Approval Date

W9880.00229

1219352

BERNHARDT

Approval

June 16, 1998

Section:

17 Assays ASSAY

10 Physical PSTRIP

10 Physical PDEWAT

Correspondence to:

Resident Geologist Kirkland Lake, ON

Assessment Files Library

Sudbury, ON

Recorded Holder(s) and/or Agent(s):

BARBARA SYLVIA KOWALSKI

BRANTFORD, ONTARIO

MARIO JOSEPH CLAUDE GILBERT

VAL D'OR, QUEBEC

RICHARD ROLLAND LAVOIE

SULLIVAN, QUEBEC

JEAN-GUY ST.PIERRE VAL D'OR, QUEBEC

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY

S.R.O. - SURFACE RIGHTS ONLY

M.+ S. - MINING AND SURFACE RIGHTS

DATE OF ISSUE

MIN \$ 3 1946

PROVINCIAL RECORDIN OFFICE SUDBURY

SAND and GRAVEL

MNR. GRAVEL RESERVE FILE 188522

+ PENDING APPLICATION (SURFACE RIGHTS) UNDER PUBLIC LANDS ACT

> THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MIN-ING CLAIMS SHOULD CON-SULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOP-MENT AND MINES, FOR AD-DITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

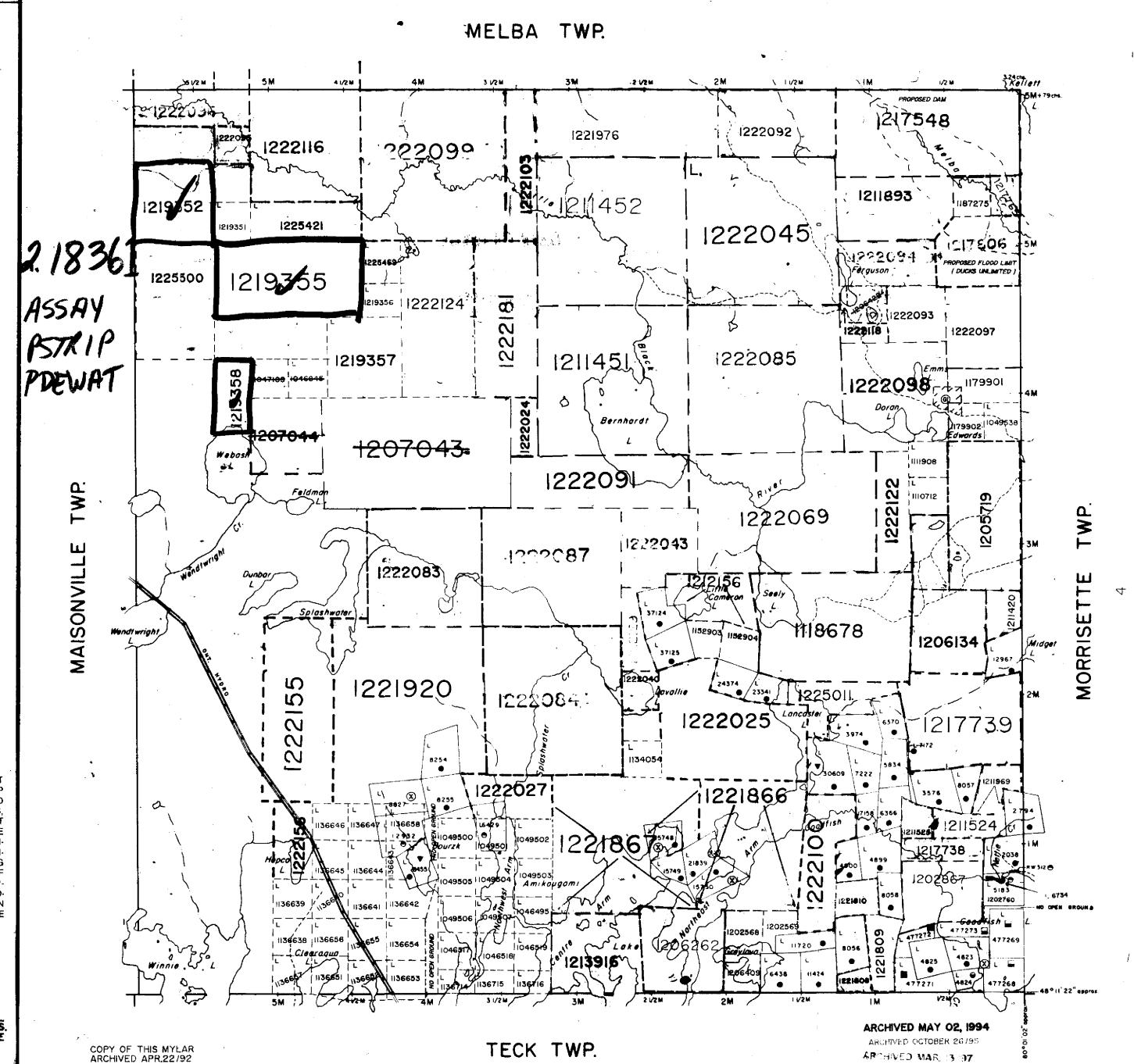
NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE _____

TIMISKAMING MANAGEMENT UNIT

AND MAY BE SUBJECT TO FORESTRY OPERATIONS.
THE MNR UNIT FORESTER FOR THIS AREA CAN BE
CONTACTED AT: P.O. BOX 129 SWASTIKA, ONT.

POK ITO 705-642-3222



LEGEND

HIGHWAY AND ROUTE No. OTHER ROADS TRAILS SURVEYED LINES TOWNSHIPS, BASE LINES, ETC LOTS, MINING CLAIMS, PARCELS, ETC. LOT LINES PARCEL BOUNDARY MINING CLAIMS ETC RAILWAY AND RIGHT OF WAT UTILITY LINES NON-PERENNIAL STREAM FLOODING OR FLOODING RIGHTS SUBDIVISION OF COMPOSITE PLAN RESERVATIONS **ORIGINAL SHORELINE** MARSH OR MUSKEG CELTICE) MINES TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	⊖
LEASE, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	🖪
" , MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	T
ORDER-IN-COUNCIL	ос
RESERVATION	
CANCELLED	&
SAND & GRAVEL	

SCALE: 1 INCH = 40 CHAINS

CIRCULATED FEB, 26, 1990

TOWNSHIP

BERNHARDT

M.N.R. ADMINISTRATIVE DISTRICT

KIRKLAND LAKE MINING DIVISION

LARDER LAKE

TIMISKAMING



ARCHIVED MAR, 13/97

Ministry of Natural 'Resources Branch

LAND TITLES / REGISTRY DIVISION

Management

Land

Date JANUARY 1985

Number G-3207



42A06SE2003 2.18361 BERNHARDT