

R. W. PHENDLER, P. Eng., GEOLOGICAL CONSULTANT,
EXPLORATION AND MINING
6175 Granville Street, Vancouver, B.C., Canada V6M 3E2

DIAMOND DRILLING REPORT

on

the G.O.D. Claims,

SIMILKAMEEN MINING DIVISION, B.C.

MAP 92 H/8W

49° 26' N, 120° 23' W

of

EXEL EXPLORATIONS LTD. (1973)

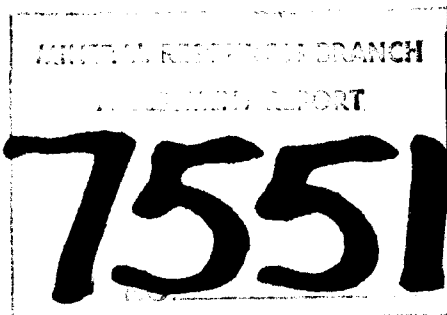
for

NORTHERN LIGHTS RESOURCES, LTD.

by

R.W. PHENDLER, P. ENG. (Consultant and Author)

Date Submitted:



Vancouver, B.C.

TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
DIAMOND DRILLING	3
DRILL HOLE LOG	4
AFFIDAVIT FOR MINERAL CLAIM	5
ASSAY CERTIFICATE	6
CERTIFICATION (QUALIFICATIONS)	7
BIBLIOGRAPHY	8
COST STATEMENT	9
Fig. 1 -INDEX MAP - Scale 1:50,000	10
Fig. 2 -PROPERTY MAP - Scale 1:5,000	11

INTRODUCTION

At the request of Mr. J.K. Newton of Northern Lights Resources Ltd., the writer supervised a diamond drilling program on the G.O.D. claims which are located five miles east of Princeton and 260 kilometers east of Vancouver in south central British Columbia.

The property is located at an elevation of from 750 - 850 meters and consists of one mineral claim of 4 units which extend southward from highway 3 up into the hills, where logging roads traverse the area.

Road access to the drilling area is provided by a good all-weather road which leaves highway 3 about one kilometer east of Princeton (at the R.C.M.P. post) and meanders in a southeasterly direction.

Between 1925 and 1927 the Princeton Mining and Development Company carried out 800 meters of tunnelling and raising from three levels and interesting results in copper over narrow widths were obtained.

In 1972 Dynasty Explorations Ltd. optioned the ground from Arcan Mining and Smelting Ltd. and carried out a geochemical survey under the supervision of Mr. W.D. Thomson.

In 1973 Rio Tinto Explorations Ltd. held an option on the ground but Mr. V. Paulger represented himself as the owner when the writer examined the property (July 9, 1973) for Kalco Valley Mines Ltd. and concluded that the property had the potential of a vein - type copper deposit. The property was known as the Barb property at that time.

In 1975 Mr. W. Timmins, P. Eng. carried out a ground magnetometer survey over a small area near the adits.

The G.O.D. claim, consisting of 4 units was staked by Mr. R. Newton for Mr. K. Newton on September 21, 1976.

On May 25, 1968 Mr. R. Jury, P. Eng. examined the property (then known as the Bonnie claims) for Harold Mines and Explorations Ltd. and concluded that "there was evidence that low grade copper bearing material occurs over a width of 9 meters over a strike length of 180 meters and warranted an expenditure of \$62,000."

Mr. S.F. Kelly, P. Eng. made several visits to the property in 1976 and supervised the drilling of four short diamond drill holes put down near the adits. Results showed interesting copper values.

On April 9, 1977 Mr. E. Amendolagine located a 50 foot long adit about 300 meters southwest of the old adits and his sampling showed encouraging copper and silver values over narrow widths. This zone of mineralization is known as the "B" zone.

The writer prepared a report dated October 1, 1977 recommending a \$25,000 expenditure to carry out diamond drilling on the "B" zone. On August 30, 1978 the writer laid out a diamond drilling program on the "B" vein and logged hole No. 1 on September 17, 1978 at Princeton.

On September 21, 1977 Mr. K. Newton transferred all interest in the G.O.D. claims to Exel Explorations Ltd. (1973) N.P.L., which is a wholly - owned subsidiary of Northern Lights Resources Ltd., operator of the property.

The property is believed to have the potential of yielding limited tonnages of narrow - vein copper - silver mineralization. This mineralization appears to be erratic but the 1976 drilling program on the original adits near Highway 3 gave interesting copper assays, as reported by S.F. Kelly, P. Eng.

Narrow vein copper mining appears to be a thing of the past but with additional contribution from silver values, a well directed small scale mining operation could possibly be successful at the G.O.D. property.

DIAMOND DRILLING

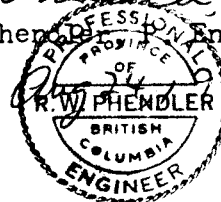
Between September 2 and 13, 1978 a 90.9 meter hole was drilled to intersect the "B" vein about 20 meters below the adit.

One hole was drilled (G.O.D. 78-1) to a depth of 90.9 meters (BQ size) and was logged by the writer on September 17, 1978. Results were discouraging, although vein material was intersected about where expected. No dip tests were taken.

The core is stored at the home of Mr. K. Newton who is associated with Exel Explorations Ltd. and Northern Lights Resources Ltd. at 6017 Larch St., Vancouver.

Respectfully submitted,

R.W. Phendler P. Eng.
R.W. Phendler P. Eng.



Drill Hole Log

COMPANY Northern Lights Resources Ltd.

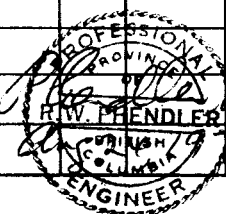
PROPERTY G.O.D. Property, Princeton

Section No.

HOLE No. G.O.D. 78-1

Started Sept. 2, 1978	Bearing S 47° E	Lat.	Collar El. 800 meters	Logged by R.W. Phendler, P. Eng. Sept. 17, 1978
Completed Sept. 13, 1978	Angle from Horizon -45°	Dep.	Bottom. El.	Remarks B Q core
Driller H. Kendrick	Length 90.9 meters	Location	Level	

From	To	Interval	RECOVERY		DESCRIPTION	Sample No.	Meters From-To	Interval	ASSAY									
				%					oz.	Ag								
0.0	1.5	1.5		92	Grey Granite Medium-grained, equigranular													
1.5	20.6	19.1		97	Andesite, Dark green, medium to fine grained, locally tuffaceous, occasional narrow quartz stringer. From 6.7 - 7.3 meters numerous quartz stringers - about 10% - no visible sulphides.													
20.6	23.0	1.4		89	Granitic Dyke - fine grained, pale pink, massive, contacts at 30° to core													
23.0	30.0	7.0		97	Andesite - medium green, tuffaceous, locally banded. At 25.5 meters a 7 cm. aplite dyke.													
30.0	30.3	0.3		96	Dacite Dyke. Pale gray, fine grained, massive, contacts 40° to core.													
30.3	90.9	60.6		95	Andesite - tuffaceous, medium to fine grained gray - green in colour, massive. From 39.7 meters to 40.0 meters small quartz vein - milky white, barren, from 40.9 - 42.4 kaolinized to pale gray - white.													
					From 45.5 to 46.1 mtrs. fractured with minor quartz from 47.0 - 48.5 fractured with 15% quartz stringers from 56.7 - 57.0 - 30% quartz veinlets from 63.3-63.9 - 15% quartz thread veins occasional 0.5 cm quartz vein throughout.	26095	45.5-46.1	0.6	0.01									
						26096	47.0-48.5	1.5	0.11									
						26097	56.7-57.0	0.3	0.01									
						26098	63.3-63.9	0.6	0.05									
90.9					end of hole													



921/81-e

110709 E

Princeton

22

September

76

DO NOT WRITE IN SPACED AREAS

C.W. Longdo

Deputy

Similkameen

Affidavit for Mineral Claim

ROB NEWTON

AGENT FOR

J. KEN NEWTON

6017

LARCH ST.

VANCOUVER B.C.

6017

LARCH ST.

VANCOUVER B.C.

VALID SUBSISTING F.M.C. NO.

140400

VALID SUBSISTING F.M.C. NO.

125968

MAKE OATH AND SAY: I COMMENCED LOCATING THE

G.O.D.

MINERAL CLAIM

ON THE 21 DAY OF SEPT. 1976 AT 6:15 AM. AND COMPLETED THE LOCATION

ON THE 21 DAY OF SEPT. 1976 AT 8:00 PM. CONSISTING OF

2 UNIT LENGTHS SOUTH AND 2 UNIT LENGTHS EAST AND I HAVE IMPRESSED ALL THE REQUIRED INFORMATION

ON METAL TAGS NO. 34197 WHICH HAS BEEN SECURELY FASTENED TO THE POSTS AS REQUIRED UNDER THE REGULATIONS

IDENTIFICATION POST(S) NOT PLACED WERE 1 SOUTH, 2 SOUTH 1 EAST, 2 EAST 1 SOUTH.

CHECK APPLICABLE SQUARE THE LEGAL CORNER POST IS SITUATED 250 METRES SOUTH OF THE SIMILKAMEEN RIVER AND 6000 METRE NORTH OF THE WEST END OF LORNE LAKE.

BEARING AND DISTANCE TO TRUE POSITION OF LEGAL CORNER POST FROM THE WITNESS POST BEARING AND DISTANCE FROM IDENTIFICATION POST TO WITNESS POST

I HAVE COMPLIED WITH ALL THE TERMS OF THE MINERAL ACT AND REGULATIONS PERTAINING TO THE STAKING OF MINERAL CLAIMS AND HAVE ATTACHED A PLAN, ACCEPTABLE TO THE MINING RECORDER, OF THE LOCATION

SWORN AND SUBSCRIBED TO AT

THIS DAY OF 19 BEFORE ME

[Signature]

110709 20 00

* THIS AFFIDAVIT MAY BE TAKEN BY A PERSON EMPOWERED TO TAKE AFFIDAVITS BY THE EVIDENCE ACT OF BRITISH COLUMBIA

Table with columns: SURVEY PENDING, DATE OF CLAIM, WORK UNIT, CREDIT, TRANSFERRED TO OTHER ASSIGNMENTS. Includes entries for 2391/394 and 2395/402.

COPY

To Northern Lights Res. Ltd.,
6017 Larch Street,
Vancouver, B. C.

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
6455 Laurel Street * Burnaby, B.C. V5B 3B4

Telephone: 299-5242

File No. 8860
Type of Samples Rock & Cores
Disposition _____

ASSAY CERTIFICATE

No.	Sample	Cu %	Ag oz/ton					No.
1	22854 R	5.38	21.80					1
2								2
3	26095 C		.01					3
4	26096		.11					4
5	26097		.01					5
6	26098 C		.05					6
7								7
8								8
9								9
10								10
11								11
12								12
13								13
14								14
15								15
16								16
17								17
18								18
19								19
20								20

All reports are the confidential property of clients.

DATE SAMPLES RECEIVED Sept. 25, 1978

DATE REPORTS MAILED Sept. 30, 1978

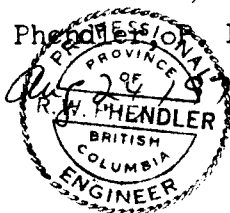
ASSAYER Dean Toye

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

CERTIFICATION

I, R.W. Phendler, of the City of Vancouver, in the Province of British Columbia, hereby certify as follows:

- 1) That I am a registered member of the Association of Professional Engineers in the Province of British Columbia - No. 4421 - 1963.
- 2) That I have received a Bachelor of Science degree in Geology from McGill University, Montreal.
- 3) That I have practiced my profession as mine, exploration and consultant continuously for the past 24 years in Canada, the U.S.A., Mexico, Colombia, Peru and Chile.
- 4) That I have not received nor do I expect to receive any interest directly or indirectly in the G.O.D. property nor do I hold or expect to hold, directly or indirectly, any shares of Exel Explorations Ltd. or Northern Lights Resources Ltd.
- 5) That the information contained in this report was compiled as a result of my examination of the G.O.D. Property on July 9, 1973 and August 30, 1978.

R.W. Phendler P. Eng.
R.W. Phendler P. Eng.


BIBLIOGRAPHY

- 1) J.C. Haas - "Engineers Report - Princeton Mining and Development Company" - July 27, 1927.
- 2) R.G. Jury, P. Eng. - "Bonnie Copper Claims, Princeton B.C." - May 15, 1969.
- 3) W.D. Thomson - "Geochemical Survey of the Ike and D'Arcy claim groups, Similkameen Mining Division, B.C." - September 7, 1972.
- 4) R.W. Phendler, P. Eng. - "Interim Report on the Barb claims, Princeton area, B.C." - July 16, 1973.
- 5) R.G. Jury, P. Eng. - "Exel Explorations Ltd. Copper - Silver Property, Princeton, B.C." - January 6, 1976.
- 6) S.F. Kelly, P. Eng. - "Recommendations concerning the G.O.D. group of claims in the Similkameen Mining Division, B.C." - October 12, 1976.
- 7) E. Amendolagine, P. Eng. - "Progress Report on G.O.D. claims - Drilling and Surface Exploration Program, Princeton, B.C. Property". - May 9, 1977.
- 8) S.F. Kelly - "Supplemento to the report on the G.O.D. Group of claims of October 12, 1976" - June 1, 1977.
- 9) Phendler, R.W. - "Report on the G.O.D. Copper-Silver prospect, Princeton area, B.C. " - October 1, 1977.

COST STATEMENT

INVOICE

Sept. 25th, 1988

In account with:
Northern Lights Resources Ltd.
1830 - 700 West Georgia Street.
Vancouver, B. C.

TO; Diamond Drilling on Princeton Property under the direction
of Mr. Ken Newton.

Expenses incurred and paid for by G.H. Kendrick on behalf
of Northern Lights Resources Ltd.

1 - AXWL bit and 1 - AXWL reaming shell	\$ 505.59
4 - AQ Bits @ \$260.00	1040.00
1 - AQ Reaming shell, (used) estimated	100.00
2 - AW Casing shoes/ @ \$80.00 ea.	160.00
	<u>\$1805.59</u>
Less credit \$105.00 On 4 bits	420.00
	<u>\$1385.59</u>

Lumber - Huff Bros	\$13.69
Bus Express	3.40
Ewart Hardware	8.40
Imperial Oil	12.50
Arnold's Truck 4 days	140.00
Paid Jack Aiken, Driller	700.00
Paid Steve McCrea, Driller	150.00
" ED. Neufeld	200.00
Cash to Ken Newton	240.00
	<u>\$1467.99</u>

\$1385.59
1467.99
<u>\$2853.58</u>

Total this invoice - - - - -

There is a balance due to J. Aiken of	\$102.40
and his son (hired by Newton)	247.50
Steve McCrea - - - - -	350.00
Labour payable - - - - -	<u>\$699.90</u>

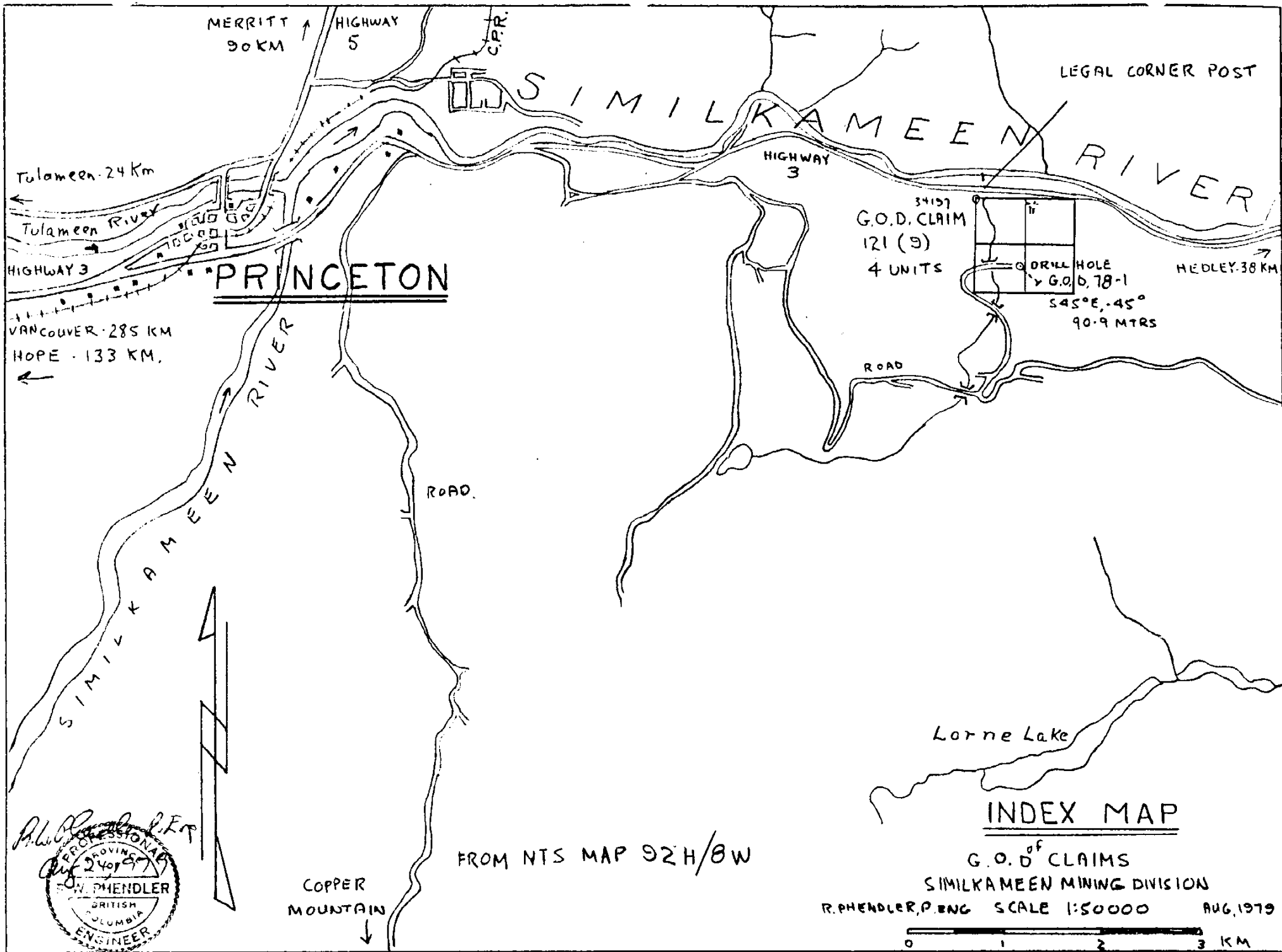
I have made these payments on behalf of Northern Lights
under instructions of Ken. Newton.

Signed:

G. H. Kendrick
.....
G. H. Kendrick

2853.58
699.90
\$3553.48

*Paul
Zull*



SIMILKAMEEN RIVER

PRINCETON 7 KM

HIGHWAY 3

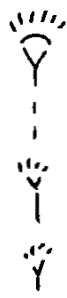
HEDLEY 40 KM

LEGAL CORNER POST #34197

CREEK

DIRT ROAD

PRINCETON 12 KM



B" VEIN

DIAMOND DRILLHOLE G.O.D 78-1
S45°E, -45°, 90.9 METERS

