



32D05SE0011 12 PONTIAC

010

Diamond Drilling

Township of PONTIAC

Report No 12

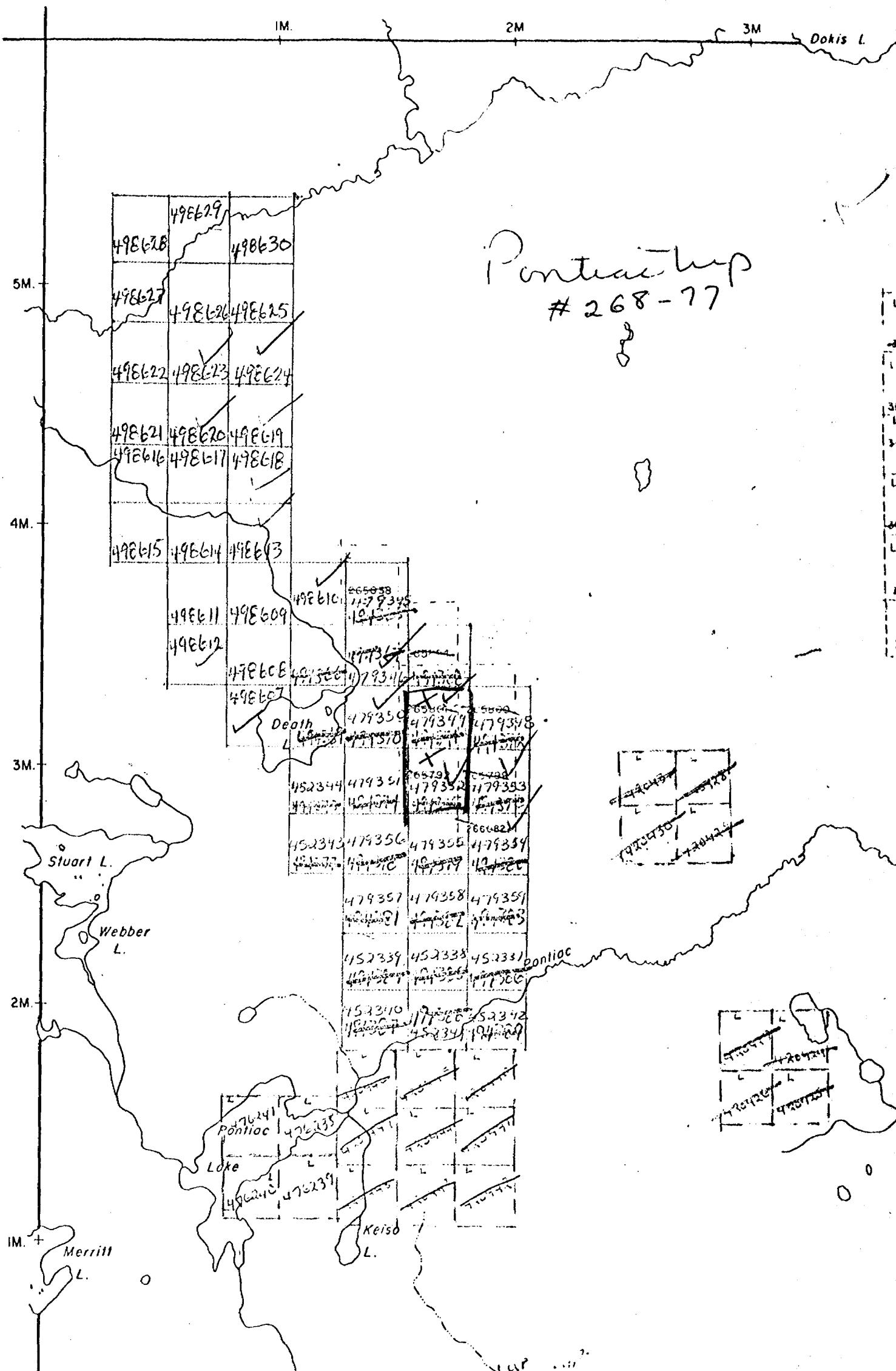
Work performed by: Conwest Exploration Co. Limited

Claim No	Hole No	Footage	Date	Note
L 479349	7701-1	141.0'	Oct/77	(1)
	7701-5	148.0'	Oct/77	(1)
	7701-3	138.0'	Oct/77	(1)
	7701-4	105.0'	Oct/77	(1)
		32		

Notes:

(1) #268-77

DOKIS TWP. M-342



Diamond Drilling Report

PONTIAC PROJECT P. 7701
PONTIAC TOWNSHIP

LARDER LAKE MINING DIVISION
ONTARIO

TORONTO, ONTARIO.
October 30th, 1977.

M. E. Lavery
Conwest Exploration Co. Ltd.
85 Richmond Street West,
Suite 1010,
Toronto, Ontario M5H 2G1

M. E. Lavery



32D05SE0011 12 PONTIAC

010C

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SUMMARY

Conwest Exploration Company Limited completed a limited diamond drilling program on its Pontiac Township, (Ontario) property between September 26 and October 31, 1977. The program was designed to evaluate the potential of a section of rhyolite-andesite contact thought to be favourable for hosting a copper-zinc volcanogenic massive sulphide deposit.

To reveal the character of mineralization along the contact, a total of 679 feet of IEX sized diamond drilling was completed. An 800 foot strike length of the contact was tested by five short holes.

Three northernmost holes intersected anomalous zinc-silver values over very short core lengths of the contact.

INTRODUCTION

The purpose of this report is to outline the results of diamond drilling conducted by Conwest during part of September, October and part of November, 1977, on claims L479349 and L479352 in Pontiac Township, Larder Lake Mining Division, Ontario. The program covered an 800-foot strike length of geologically interesting contact.

This drilling was the third phase of an exploration program initiated in early 1977 to explore a 46 claim group in west central Pontiac Township.

The program is being conducted in association with Ontario M.E.A.P. under Agreement #17.781, Contract #K1-96.

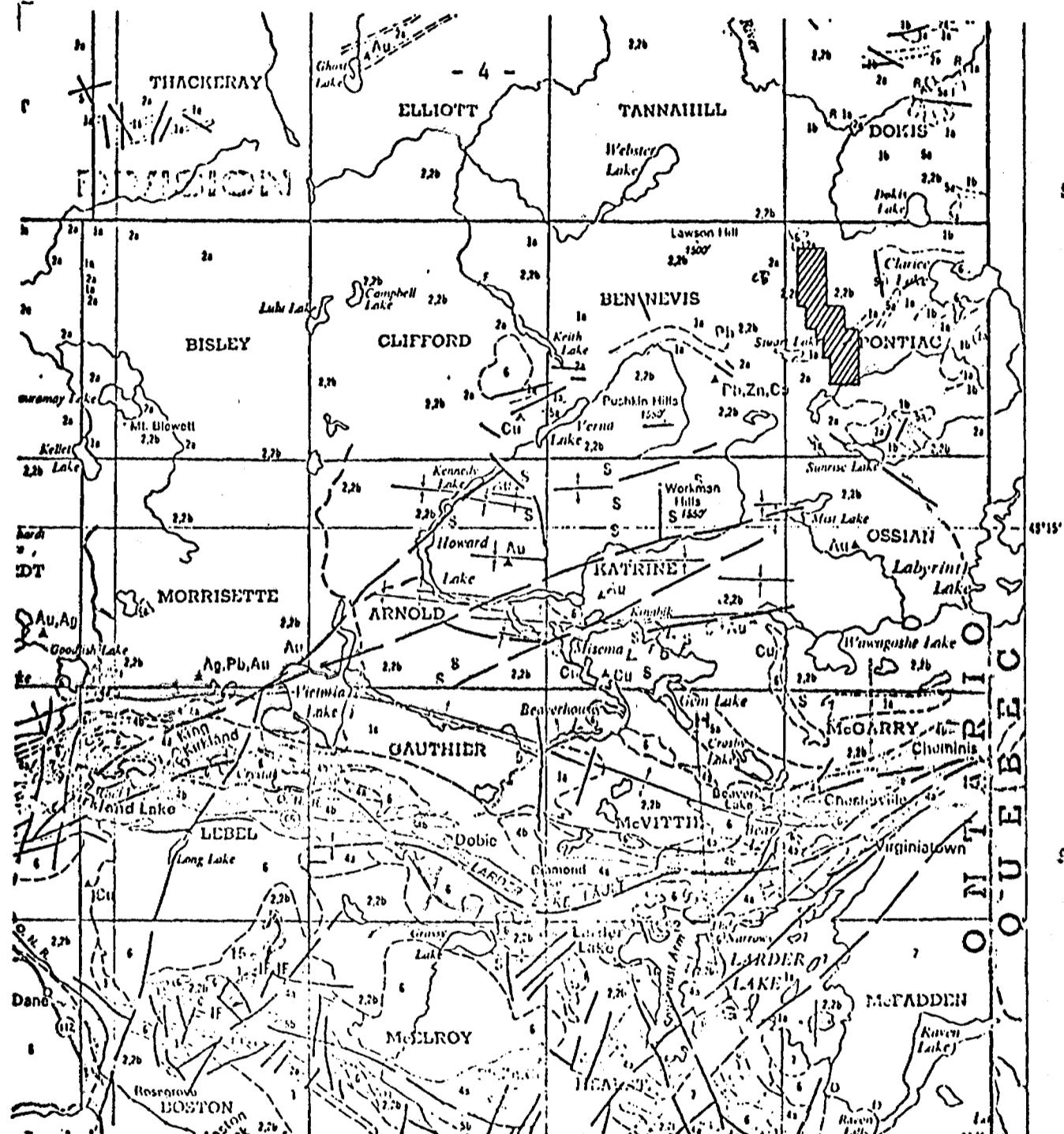
PROPERTY STATUS

The property consists of forty-six (46) claims located in west central Pontiac Township, Ontario. (see location map)

PONTIAC TOWNSHIP

<u>Claim Number</u>	<u>Date Recorded</u>	<u>Assessment Work Credits</u>
L. - 498607	Feb. 4, 1977	-
L. - 498608	Feb. 4, 1977	-
L. - 498609	Feb. 4, 1977	-
L. - 498610	Feb. 4, 1977	-
L. - 498611	Feb. 4, 1977	-
L. - 498612	Feb. 4, 1977	-
L. - 498613	Feb. 4, 1977	-
L. - 498614	Feb. 4, 1977	-
L. - 498615	Feb. 4, 1977	-
L. - 498616	Feb. 4, 1977	-
L. - 498617	Feb. 4, 1977	-
L. - 498618	Feb. 4, 1977	-

- 3 -



Scale 1:253,440 or 1 Inch to 4 Miles

Miles 2 1 0 2 4 6 8 10 12 14 16 18 20 Miles
Metres 5000 0 10 20 30 Kilometres

Location Map

<u>Claim Number</u>	<u>Date Recorded</u>	<u>Assessment Work Credits</u>
L. - 498619	Feb. 4, 1977	-
L. - 498620	Feb. 4, 1977	-
L. - 498621	Feb. 4, 1977	-
L. - 498622	Feb. 4, 1977	-
L. - 498623	Feb. 4, 1977	-
L. - 498624	Feb. 4, 1977	-
L. - 498625	Feb. 4, 1977	-
L. - 498626	Feb. 4, 1977	-
L. - 498627	Feb. 4, 1977	-
L. - 498628	Feb. 4, 1977	-
L. - 498629	Feb. 4, 1977	-
L. - 498630	Feb. 4, 1977	-
L. - 452337	Sept. 8, 1977	-
L. - 452338	Sept. 8, 1977	-
L. - 452339	Sept. 8, 1977	-
L. - 452340	Sept. 8, 1977	-
L. - 452341	Sept. 8, 1977	-
L. - 452342	Sept. 8, 1977	-
L. - 452343	Sept. 8, 1977	-
L. - 452344	Sept. 8, 1977	-
L. - 452345	Sept. 8, 1977	-
L. - 452346	Sept. 8, 1977	-
L. - 452347	Sept. 8, 1977	-
L. - 452348	Sept. 8, 1977	-
L. - 452349	Sept. 8, 1977	-
L. - 452350	Sept. 8, 1977	-
L. - 452351	Sept. 8, 1977	-
L. - 452352	Sept. 8, 1977	-
L. - 452353	Sept. 8, 1977	-
L. - 452354	Sept. 8, 1977	-
L. - 452355	Sept. 8, 1977	-
L. - 452356	Sept. 8, 1977	-
L. - 452357	Sept. 8, 1977	-
L. - 452358	Sept. 8, 1977	-
L. - 452359	Sept. 8, 1977	-

LOCATION AND ACCESS

The claims are accessible in winter by ski-equipped aircraft to either Death Lake or Stewart Lake or by drill road north from Sunrise Lake on the Pontiac-Ossian Township line. In summer, float-equipped aircraft to Pontiac Lake or muskeg tractor along the drill road from Sunrise Lake provide access.

- 5 -

The nearest fixed-wing base is located in LaSarre, Quebec a distance of approximately 40 miles to the northeast. A gravel road straddling the Quebec-Ontario boundary running north from Kearns provides access to Sunrise Lake.

PREVIOUS WORK

Ontario Division of Mines assessment files reveal two previous exploration programs over land included in the Conwest claim block:

1956 - P.F. Roche

Three drill holes totalling 240 feet to test a mineralized showing 2,000 feet to the southeast of Death Lake.

1970
1973 - Amax Exploration

(a) Airborne EM survey utilizing HEM 701 on E-W and N-S lines covering all of Pontiac Township.

(b) Geological mapping on E-W lines at 400-foot intervals covering all of the present grid.

(c) Bedrock geochemical survey covering all of the present grid.

(d) Battery IP survey covering an area 4,000 feet x 2,000 feet southeast of Death Lake.

(e) Three diamond drill holes totalling 884 feet to test IP anomalies. Nothing worthy of further drilling noted.

GEOLOGY

The property is underlain by meta-volcanic rocks of Archean age. They are correlated on a stratigraphic and structural basis with the Blake River series of the Abitibi sub-province.

In the immediate vicinity of the drilling, a sequence of rhyolite and andesite flows cut by diorite intrusives is exposed. The rhyolite-andesite contact runs roughly parallel to the base line with dips varying from 45° to 55° west.

From the drilling, it is noted that the interesting contact is between andesitic flows and rhyolitic tuffs. The latter grades from a tuff on the top into a lapilli tuff down section.

Of the five holes drilled to evaluate the contact, the three northernmost holes are most intriguing. Anomalous zinc-silver values over widths from 1.5 feet to 6.4 feet occur at/or extremely near the contact.

The first hole, D.D.H. 7701-1, is the most interesting on a geological basis. The contact zone carried 1.5% Zn and .08 oz/ton silver over 1.5 feet in a highly sericitized and pyritized tuff. The tuff grades downward over a very short core length into a lapilli tuff with chloritic matrix. The latter increases down section becoming the dominate matrix material from 88.9 feet.

The significance of the chlorite is questionable at the present time due to lack of data, but it may relate genetically to the anomalous mineralization stratigraphically above.

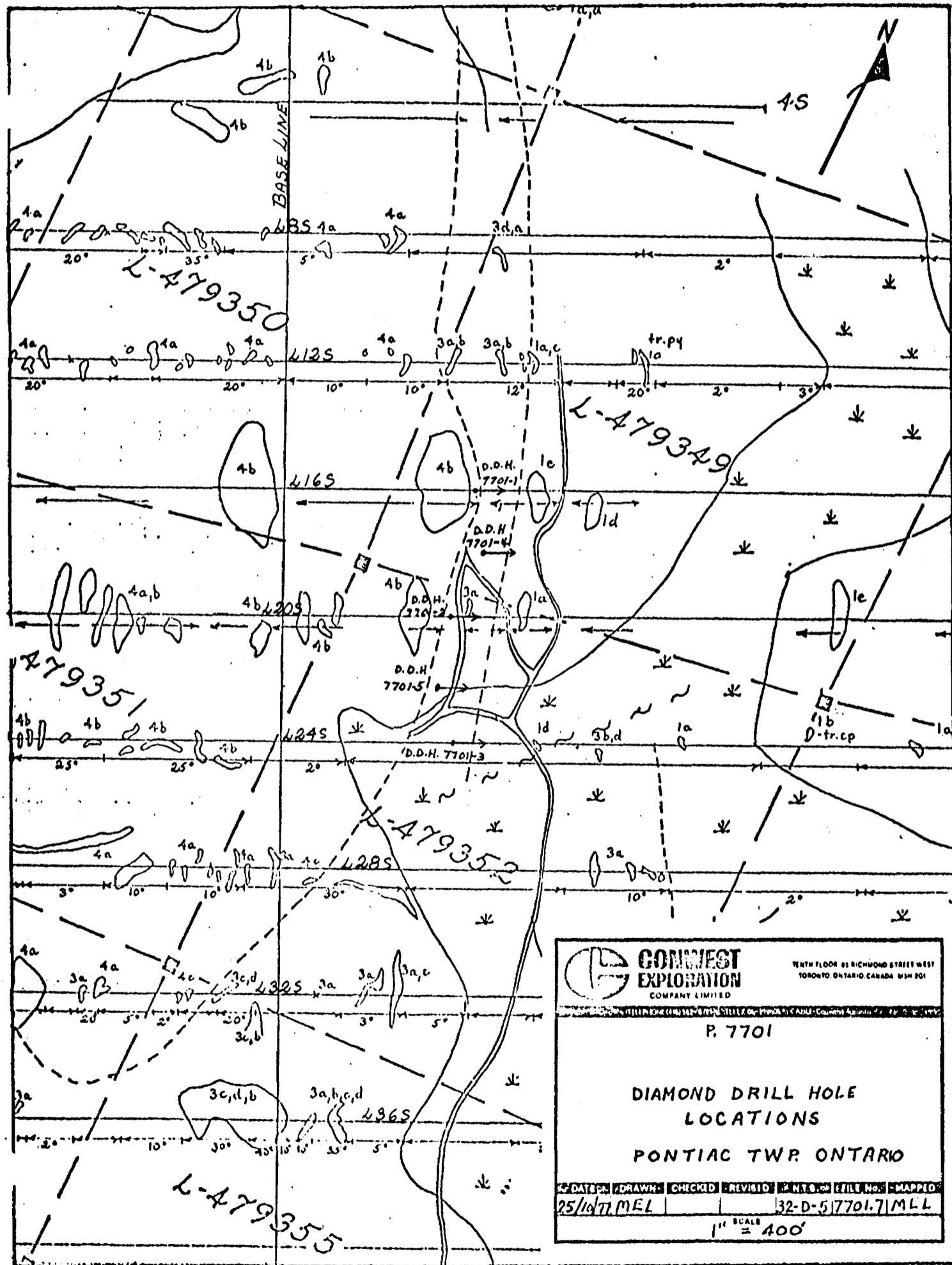
The southernmost hole, D.D.H. 7701-3 reveals a significant section of tuff with anomalous silver but no significant base metal values. A slightly magnetic gabbro containing feldspar phenocrysts was intersected at the bottom of this hole.

The fifth hole, D.D.H. 7701-5 indicates a facies discontinuity along the contact. No rhyolite tuff is noted. Instead, only a section of diorite, intermediate volcanic and a rhyolite feldspar porphyry is revealed. This discontinuity may relate to the presence of a paleo-topographic high, or possibly a faulted section or even a rhyolite intrusion which has altered the overlying rocks.

The diorite present in the claim block was intersected in two holes and with data supplied from previous drilling is thought to be a flat lying sill concordant or semi-concordant with the surrounding rocks.

APPENDIX I

Diamond Drill Hole Locations (1"=400')



**CONNECT
EXPLORATION
COMPANY LIMITED**

TENTH FLOOR 63 RICHMOND STREET WEST
TORONTO, ONTARIO, CANADA N1W 5G1

P. 7701

DIAMOND DRILL HOLE LOCATIONS

PONTIAC TWP. ONTARIO

14-DATES DRAWN CHECKED REVISED INSTR. FILE NO. MAPPED
25/10/77 MEL | 32-D-517701.7 MLL

1" SCALE = 400'

APPENDIX II

Drill Logs

DIAMOND DRILL HOLE RECORD

DRILLED BY Ferguson Mining Services, Matachewan, Ontario
MOLE No D.D.H. 7701 - 1 LENGTH 141'
LOCATION Pontiac Township DIP - 60°
GRID LATITUDE 16 S DEPARTURE 6 + 10 E
ELEVATION AZIMUTH 65°
MOLE STARTED October 8th, 1977 COMPLETED October 14th, 1977

ACID & OR TRO-PARI TESTS

FILE NO. 7701.7
PROPERTY P. 7701
HOLE NO. 7701-1 SHEET NO. 1 of 3
CORE SIZE IEX
% CORE RECOVERY 99%
LOGGED BY M. E. Lavery

DIAMOND DRILL HOLE RECORD

DRILLED BY Ferguson Mining Services Matachewan, Ontario
 HOLE No D.D.H. 7701-2 LENGTH 147'
 LOCATION Pontiac Township DIP -55°
 GRID LATITUDE 20 S DEPARTURE 5 + 40 E
 ELEVATION AZIMUTH 65°
 HOLE STARTED October 15th, 1977 COMPLETED October 17th, 1977

ACID & CR TRO-PARI TEST

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

FILE NO. 7701-7
PROPERTY P. 7701
HOLE NO. 7701-2 SHEET NO. 1 OF 3
CORE SIZE IEX
% CORE RECOVERY 99%
LOGGED BY N.E. Lavery

DIAMOND DRILL HOLE RECORD

DRILLED BY Ferguson Mining Services, Matachewan, Ontario
 HOLE No. D.D.H. 7701 - 5 LENGTH 148 feet
 LOCATION Pontiac Township DIP -600
 GRID LATITUDE 22 + 30 S DEPARTURE 4 + 90°
 ELEVATION AZIMUTH 65°
 HOLE STARTED October 24th, 1977 COMPLETED October 29th, 1977

ACID & OR TRO-PARI TESTS

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

FILE NO. 7701.7
PROPERTY P. 7701
HOLE NO. 7701-5 SHEET NO. 1 OF. 2
CORE SIZE 1EX
% CORE RECOVERY 94
LOGGED BY M. E. Lavery

DIAMOND DRILL HOLE RECORD

DRILLED BY Ferguson Mining Services, Matachewan, Ontario
 HOLE No D.D.H. 7701-3 LENGTH 138'
 LOCATION Pontiac Township DIP -50°
 GRID LATITUDE 24 S DEPARTURE 5 + 50 E
 ELEVATION AZIMUTH 65°
 HOLE STARTED October 18th, 1977 COMPLETED October 20th, 1977

ACID & OR TRO-PARI TESTS

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

FILE NO. 7701-7
PROPERTY P. 7701
HOLE NO. 7701-3 SHEET NO. 1 of 3
CORE SIZE TEX
% CORE RECOVERY 99%
LOGGED BY M. E. Lavery

DIAMOND DRILL HOLE RECORD

DRILLED BY Ferguson Mining Services, Natachewan, Ontario
 HOLE No D.D.E. 7701-4 LENGTH 105 feet
 LOCATION Pontiac Township DIP -55°
 GRID LATITUDE 18 + 05S DEPARTURE 6 + 45E
 ELEVATION AZIMUTH 65°
 HOLE STARTED October 22nd, 1977 COMPLETED October 23rd, 1977

ACID &/OR TRO-PARI TESTS

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

FILE NO. 7701-7
PROPERTY P. 7701
HOLE NO. 7701-4 SHEET NO. 1 OF 2
CORE SIZE IEX
% CORE RECOVERY 98%
LOGGED BY M. E. Lavery

APPENDIX III

Cross Sections (1"=40')

S 65 W

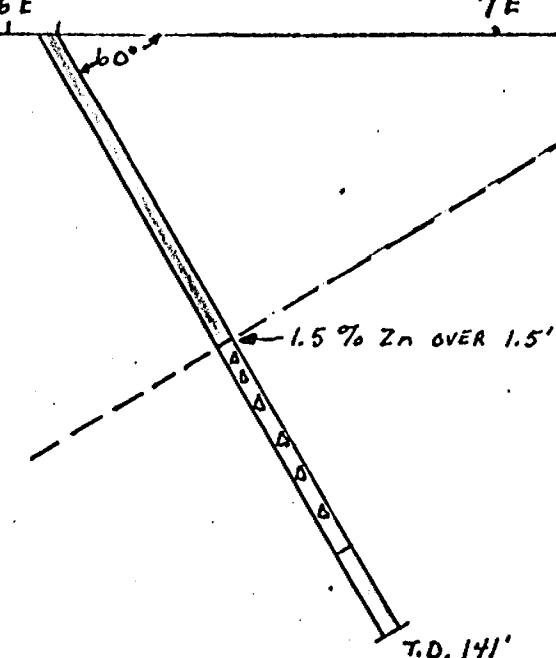
6E

7E

N 65 E

8E

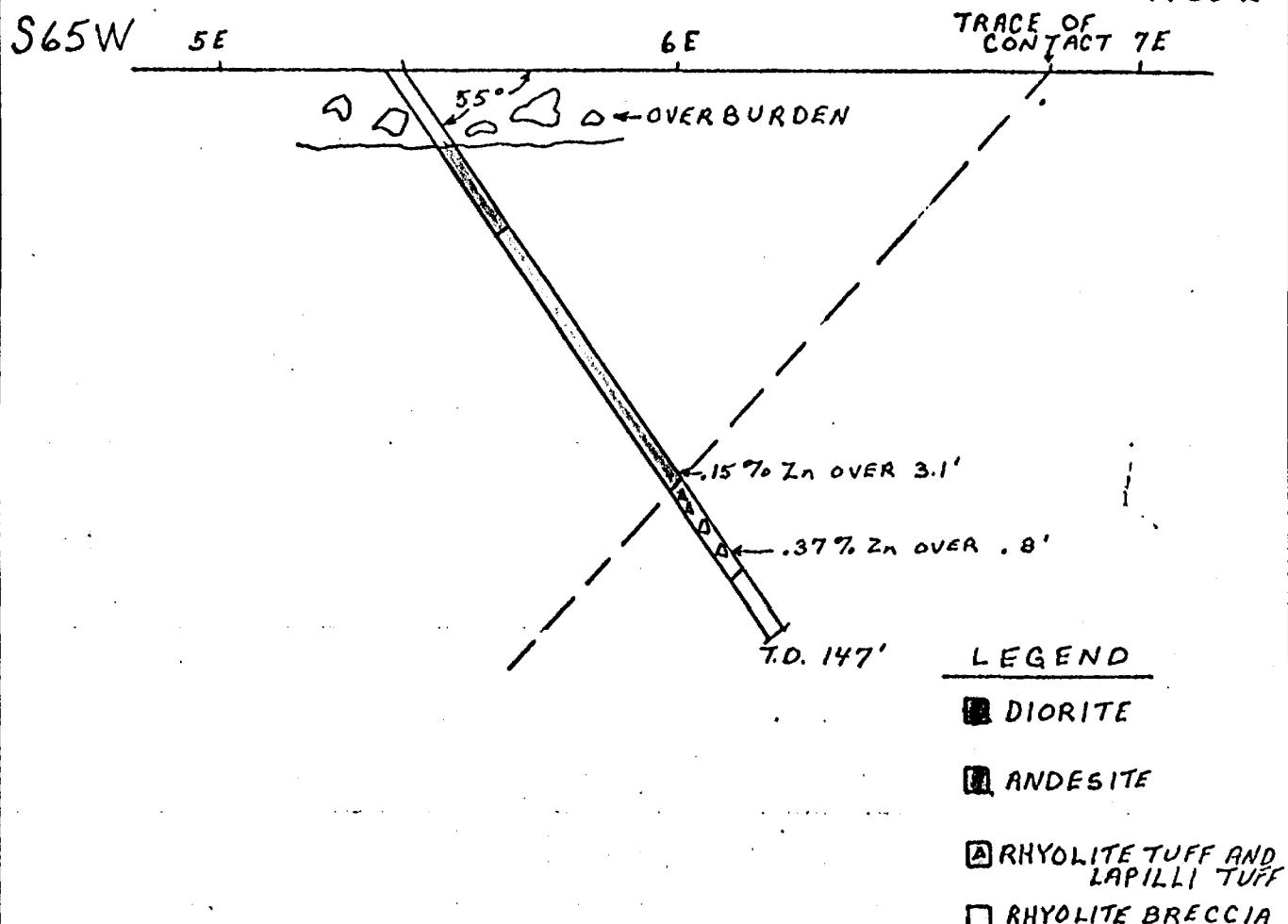
TRACE OF
CONTACT



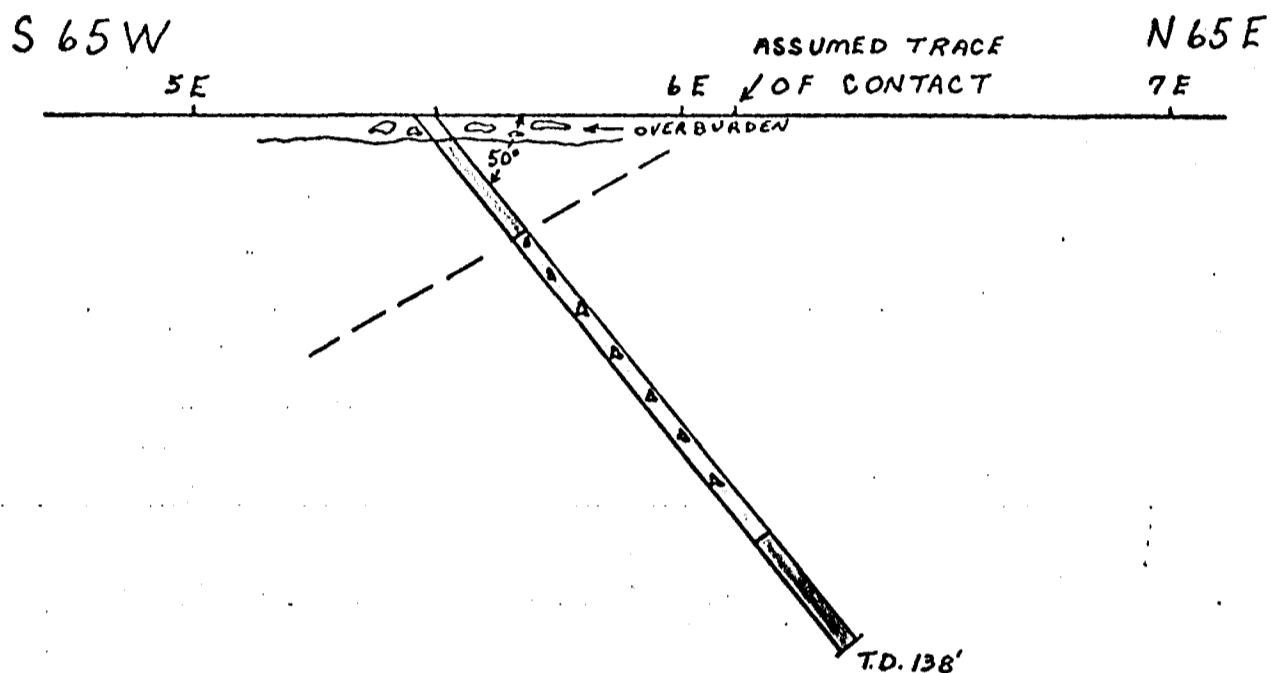
LEGEND

- ANDESITE
- RHYOLITE TUFF AND LAPILLI TUFF
- RHYOLITE CRACKLE BRECCIA

	CONWEST EXPLORATION COMPANY LIMITED	YOUTH FLOOR 65 RICHMOND STREET WEST TORONTO, ONTARIO CANADA M5H 2G1
P. 7701		
DIAMOND DRILL HOLE D.D.H 7701-1 CROSS SECTION LINE 165 PONTIAC TWP. ONTARIO		
DRAWN BY: MEL	CHECKED BY: MEL	REvised BY: MEL
22/10/77		32-D-5 7701.1 MEL
1" = 40'		



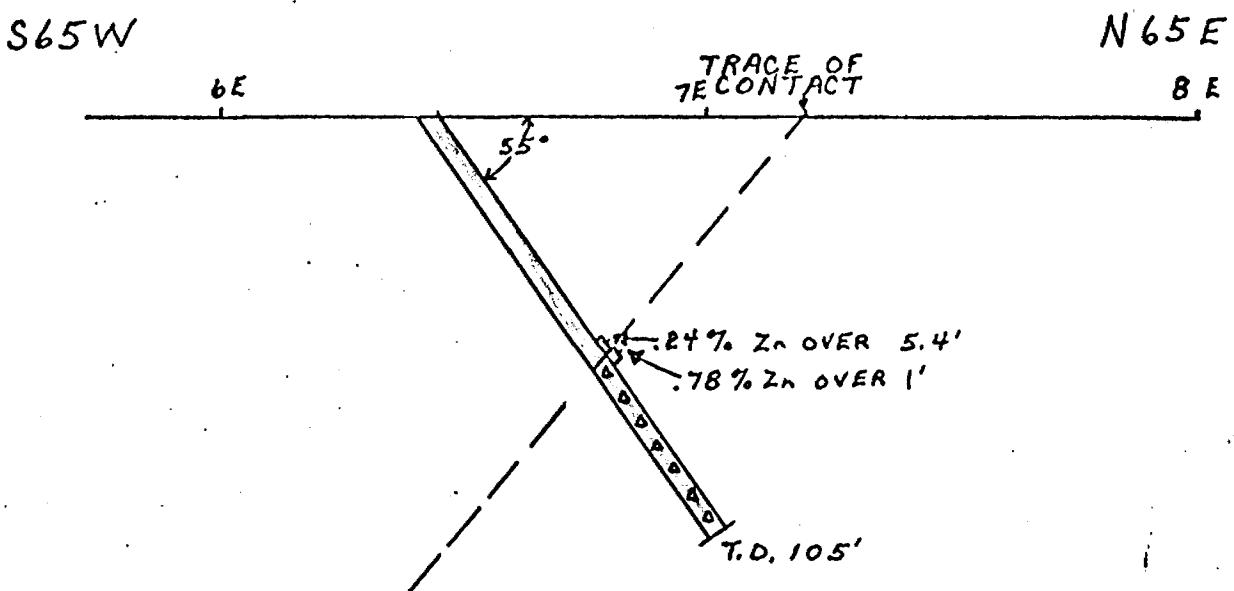
 COMINCO EXPLORATION COMPANY LIMITED <small>TENTH FLOOR 33 RICHMOND STREET WEST TORONTO, ONTARIO CANADA M5H 1G1</small>	
P.7701	
DIAMOND DRILL HOLE D.D.H. 7701-2 CROSS SECTION LINE 20S PONTIAC TWP. ONTARIO	
DRAWN BY: <input type="checkbox"/> CHECKED: <input type="checkbox"/> REVISED: <input type="checkbox"/> FILED: <input type="checkbox"/> MAPPED: <input type="checkbox"/> 29/10/71 MEL 32-D-5 7701.7 MEL	
SCALE 1" = 40'	



LEGEND

- ANDESITE
- ▲ RHYOLITE TUFF AND LAPILLI TUFF
- GABBRO

GOWWEST EXPLORATION COMPANY LIMITED		TWENTH FLOOR 23 RICHMOND STREET WEST TORONTO, ONTARIO CANADA M5H 1E1	
P. 7701			
DIAMOND DRILL HOLE			
D.D.H. 7701-3			
CROSS SECTION LINE 245			
PONTIAC TWP. ONTARIO			
DATE DRAWN	DRAWN BY	CHEKED	REVISIED
24/10/77	MIEL		32-D-5 7701-3 MIEL
<i>1" = 40'</i>			



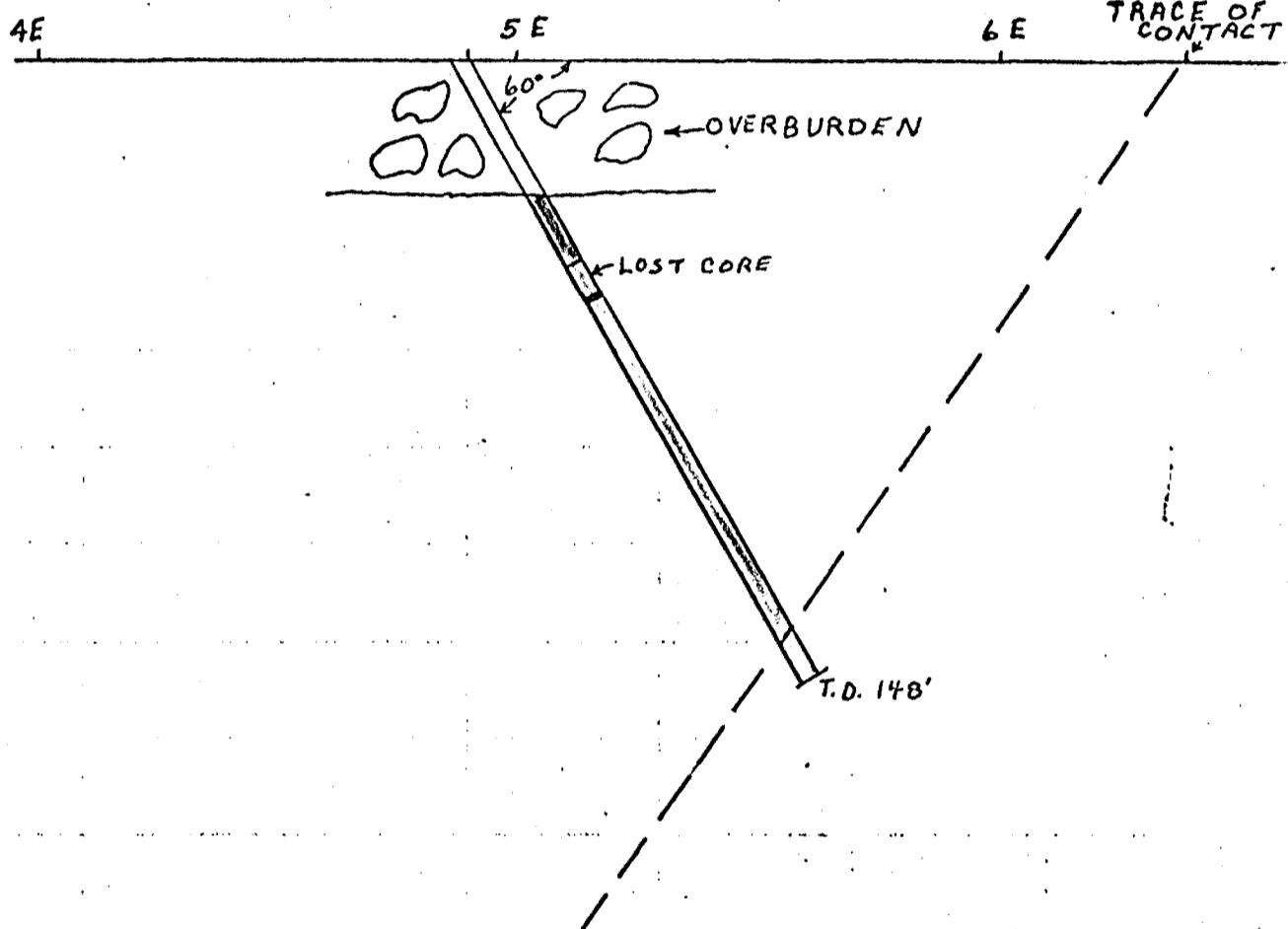
LEGEND

- ANDESITE
- RHYOLITE TUFF AND LAPILLI TUFF

 CONNECT EXPLORATION COMPANY LIMITED		NINTH FLOOR 15 RICHMOND STREET WEST TORONTO, ONTARIO, CANADA M5H 1J1	
P. 7701			
DIAMOND DRILL HOLE D.D.H. 7701-4 CROSS SECTION LINE 18+05S PONTIAC TWP. ONTARIO			
DRAWING FORWARDED FOR CHECK OR REVIEW BY: G. NAYLOR, P.Eng., M.A.Sc. 24/10/1971 MEL		32-D-5 7701-7 ML-L	
1" = 40'			

S 65 W

N 65 E



LEGEND

- DIORITE
- INTERMEDIATE VOLCANIC
- RHYOLITE FELDSPAR PORPHYRY

NINTH FLOOR, 55 RICHMOND STREET WEST TORONTO, ONTARIO, CANADA M5H 1E1	
P. 7701	
DIAMOND DRILL HOLE	
D.D.H. 7701-5	
CROSS SECTION LINE 22+305	
PONTIAC TWP. ONTARIO	
DRAWING CHECKED BY [Signature]	PRINTED BY [Signature]
25/10/77 MEL	132-D-5 7701.7 MEL
1" = 40'	

APPENDIX IV

Longitudinal Section (1"=100')

165

205

245

ft.	Cu %	Zn %	Ag oz./T.	Au oz./T.
5.4 1	.008 .014	.247 .78	.01	—

ft.	Cu %	Zn %	Ag oz./T.	Au oz./T.
1.5	.08	1.568	.08	—

ft.	Cu %	Zn %	Ag oz./T.	Au oz./T.
3 5	.008 .013	.016 .015	.044 .047	—

ft.	Cu %	Zn %	Ag oz./T.	Au oz./T.
2.4	.0116	.024	.04	—

DID NOT INTERSECT
RYOLITE TUFF-ANDESITE
CONTACT

ft.	Cu %	Zn %	Ag oz./T.	Au oz./T.
5	.027 .006	.051 .005	.13	.04

LEGEND

○ 1977 CONWEST DRILLING

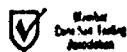
△ 1973 AMAX DRILLING

 CONWEST EXPLORATION COMPANY LIMITED		10TH FLOOR 48 PICHINCHO STREET WEST TORONTO ONTARIO CANADA M5H 1E4
P. 7701 LONGITUDINAL SECTION OF DIAMOND DRILL PIERCE POINTS IN THE PLANE OF THE RYOLITE TUFF-ANDESITE CONTACT PONTIAC TWP. ONTARIO		
30/07/77 EEL	32-D-5 7701.7 MEL	SCALE 1" = 100'

APPENDIX V

Assay Sheets

WM. GERRIE, M.A., P.ENG.
D. KERR-LAWSON, B.A., PH.D., P.ENG.



TELEPHONE 705-642-3244
P.O. BOX 10

Swastika, Ont., P0K 1T0, Oct. 27, 1977. 19.....

SWASTIKA LABORATORIES LIMITED

Certificate of Analysis

No. 46917.....

We have assayed Nine samples of split core.

Received Oct. 25, 1977 and submitted by Comwest Exploration Company Limited.

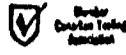
with the following results:

Sample No.	Gold Ozs/ton	Silver Ozs/ton	Copper ppm	Zinc ppm
3487	Nil	Nil	60	114
3488	Nil	0.01	72	108
3489	Nil	0.015	46	160
- 3490	Nil	Trace	58	1580
- 3491	Nil	0.03	104	3700
3492	Nil	0.12	82	220
3493	Nil	0.03	100	118
3494	Nil	Nil	102	20
3495	Nil	Trace	125	28

SWASTIKA LABORATORIES LIMITED,

per: D. C. Deau - *[Signature]*

WM. GERRIE, M.A., P.ENG.
D. KERR-LAWSON, B.A., PH.D., P.ENG.



TELEPHONE 705-642-3244
P.O. BOX 10

Oct. 24, 1977
Swastika, Ont., P0K 1T0, 19.....

SWASTIKA LABORATORIES LIMITED

Certificate of Analysis

No. 4502

We have assayed fourteen samples of split core
Received Oct. 21, 1977 and submitted by Comwest Exploration Company Limited.

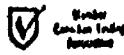
with the following results:

Sample No.	Gold Ozs/ton	Silver Ozs/ton	Copper ppm	Zinc ppm
3484	0.002	0.03	860	44
3485	0.002	0.03	540	62
3486	Nil	0.19	180	114
3890	Nil	0.03	120	110
3891	Nil	Nil	78	104
3892	Nil	Nil	43	138
3893	Nil	0.02	126	540
3894	Nil	0.08	800	15680
3895	Nil	Nil	60	266
3896	Nil	Nil	42	546
3897	Nil	Nil	92	204
3898	Nil	0.07	120	452
3899	Nil	0.04	116	248
3900	Nil	0.14	268	134

SWASTIKA LABORATORIES LIMITED,

per: E. C. Deen

WM. GERRIE, M.A., P.ENG.
D. KERR-LAWSON, B.A., PH.D., P.ENG.



TELEPHONE 705-642-3344
P.O. BOX 10

Swastika, Ont., P0K 1T0, Nov. 7, 1977.....19.....

SWASTIKA LABORATORIES LIMITED

Certificate of Analysis

No. 46941

We have assayed nine samples of split core, whole core, ore & sludge

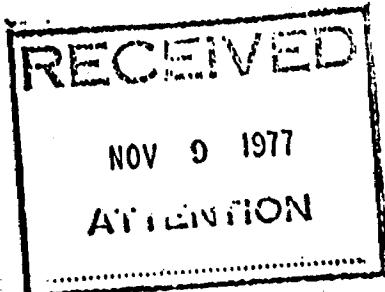
Received Nov. 3, 1977 and submitted by Conwest Exploration Company Limited.

Attention: M. E. Lavery, Esq. with the following results:

Sample No.	Gold Ozs/ton	Silver Ozs/ton	Copper ppm	Zinc ppm
3496	Nil	Nil	86	2470
3497	Nil	0.01	142	7800
3498	Nil	Trace	128	42
3499	Nil	Nil	276	60

SWASTIKA LABORATORIES LIMITED,

per: J.C. Dunn - Swastika



In accordance with long established North American custom unless it is specifically stated otherwise gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

W 77 08 346



ONTARIO

A separate form is required for each type of work to be recorded.

THE MINING ACT REPORT OF WORK

To the Recorder of Larder Lake Mining Division
 I, Conwest Exploration Company Limited A-20187
 name of Recorded Holder Miner's Licence
 85 Richmond Street West, Toronto, Ontario, M5H 2G1
 Post Office Address do hereby report the performance of 679 days of Diamond Drilling
 type of work
 not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
L-498607	60	L-498620	40	L-479352	40
L-498610	40	L-498623	40	L-479353	40
L-498612	60	L-498624	40	L-479354	40
L-498613	40	L-479346	40
L-498618	40	L-479349	79
L-498619	40	L-479350	40

All the work was performed on Mining Claim (s) L-479349 and L-479352
 (In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment.

For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.

For Compressed Air or Other Power Driven or Mechanical Equipment

Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.

For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.

With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.

For Geophysical, Geological, Geochemical Surveys and Expenditure Credits - the name of author of report. Covering dates of survey (linecutting & office). Type of instrument used. Total amount of expenditure. Technical reports, maps, expenditure breakdown, receipts must be filed in duplicate with the Minister within 60 days of recording.

For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

See attached report which includes drill logs, location map and specifics

Date December , 1977

Signature of Recorded Holder or Agent

The Mining Act
Certificate Verifying Report of Work

Thomas E. Warren

I,
..... 85 Richmond Street West, Suite 1010, Toronto, Ontario, M5H 2G1
..... (Post Office Address)

hereby certify:

1. That I have a personal and intimate knowledge of the facts set forth in the report of work annexed here-to, having performed the work or witnessed same during and/or after its completion.
2. That the annexed report is true.

Dated December 17 1977 Signature