

# 5586

1975 DRILLING REPORT

on the POPLAR LAKE PROPERTY

in the OMINECA MINING DIVISION

30 miles southwest of Houston, B.C.

54°N, 127°W, SW

93L/2W

Owned by F. Onucki, C. Critchlow, M. Callaghan

and Utah Mines Ltd.

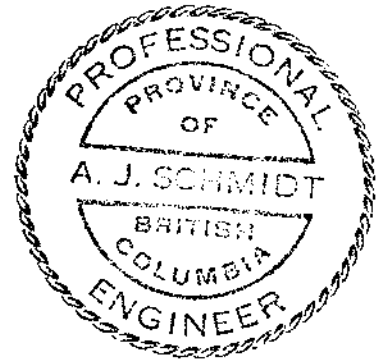
by

A.J. Schmidt, P.Eng.

of Utah Mines Ltd.

1600 - 1050 West Pender Street

Vancouver, B.C.



Work Performed between May 1st and June 20th, 1975

Department of	
Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO. 5586	MAP .....

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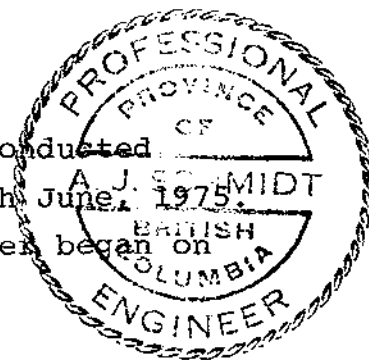
MAPS

- 1 Figure No. 1 - Location Map, 1"=30 miles after page 1
- 2 Figure No. 2 - Drill Hole Location Map, 1:12500 In pocket



## INTRODUCTION

An eleven (11) hole diamond drilling programme was conducted on the Poplar Lake Prospect between 15th May and 20th June, 1975. Mobilization of equipment and personnel from Vancouver began on 1st May, 1975.



An accurate transit survey of all hole collars was made upon completion of the drilling programme.

This report will claim as assessment work the direct diamond drilling costs, necessary camp costs, and, of course, geologic supervision charges related to camp operation and the detailed logging of the drill cores.

Drilling was confined to the following claims:

- Poplar # 5
- Poplar #17
- Poplar #15
- Poplar # 3
- Poplar # 1 Fraction

## LOCATION AND ACCESS

Tagetochlain Lake (local name Poplar) lies approximately thirty (30) miles southwest of Houston, British Columbia. Vehicle access from Houston is along the Morice River, Owen Lake and Tahtsa Reach Forest Service access roads, a distance of about forty-five (45) miles. A rough jeep road extends from the Tahtsa road along the north shore of Poplar Lake, through the Poplar Groups of mineral claims. The last three and one-half (3 1/3) miles of this road was completely re-built by Utah Mines Ltd. during June and July of 1975, and now provides good access to the drill camp.

## DIAMOND DRILLING PROGRAMME

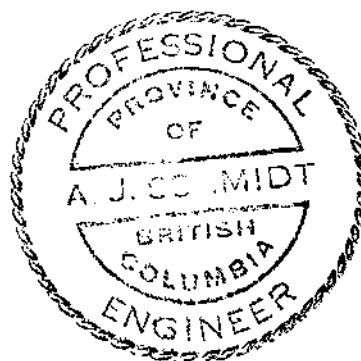
A contract was let to Connors Drilling Ltd. on March 24, 1975 to perform the required diamond drilling. Two (2) Longyear "38" drills are used, each equipped to drill NQ size core. The

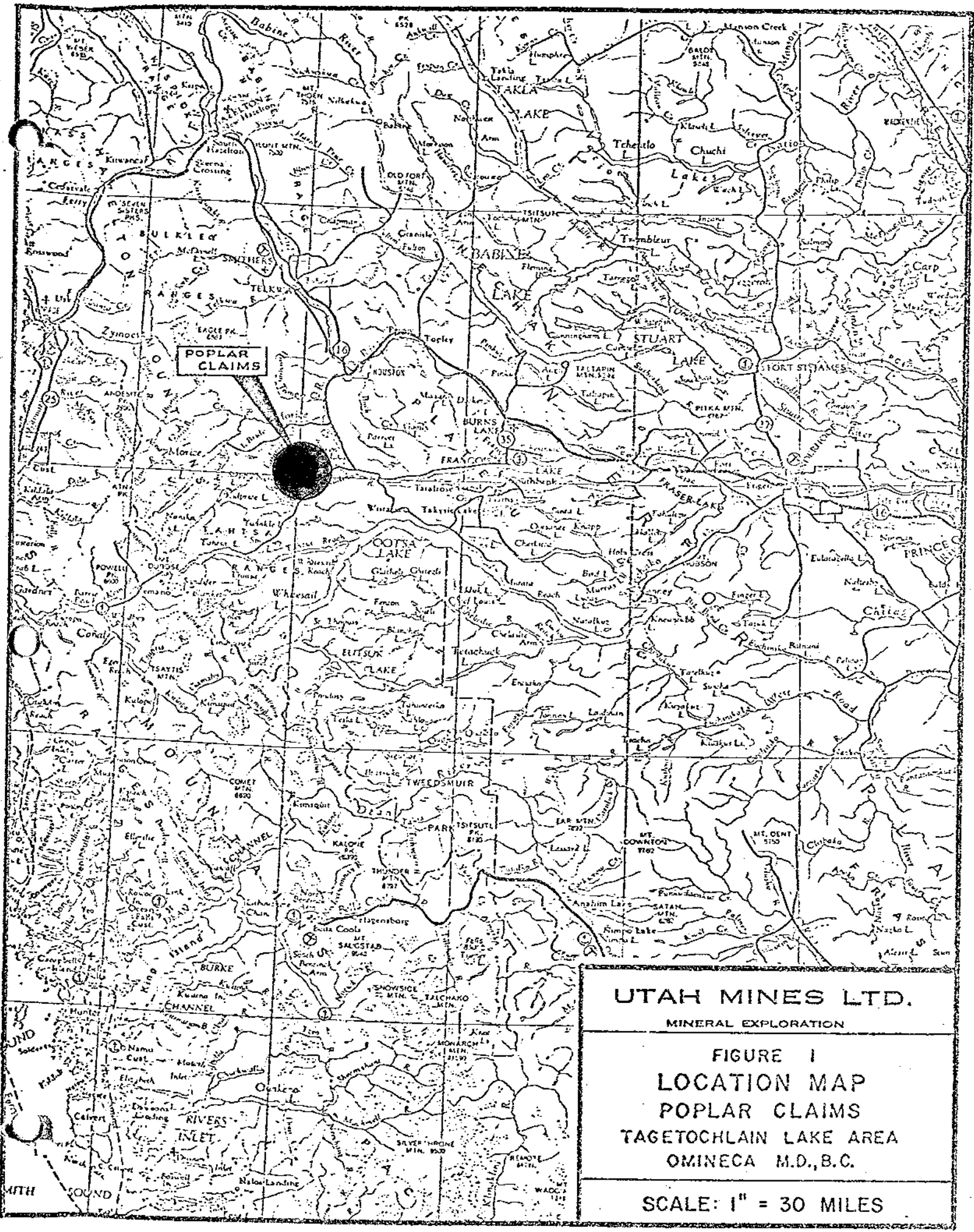
move onto the property commenced May 15th, but as the access road was unnavigatable, the drill rigs and supplies had to be slooped the last 3 1/2 miles. Actual drilling commenced on May 21st, 1975. Both drill rigs were moved during the job by either a John Deere 450 tractor or later by a D-6 bulldozer, on the prepared drill roads. The nine (9) man drill crew constructed their own accommodations on the property during the period May 16 - 19th, but were fed at the Utah dining facility.

Drilling was completed on June 16th, and the move out completed on June 20th, 1975.

All drill cores, including core from the 1974 programme, is presently stored in a sturdy 16 X 28 foot plywood storage building located in the main camp area. All core is stored in wooden core trays and all boxes carefully labelled. All core was logged in detail by a staff geologist, and then split and assayed.

Total footage drilled was 6603 feet (2012.58 metres). Note that all measurements are in metres, including the grid coordinates.





**UTAH MINES LTD.**

MINERAL EXPLORATION

FIGURE 1  
 LOCATION MAP  
 POPLAR CLAIMS  
 TAGETOCHLAIN LAKE AREA  
 OMINECA M.D., B.C.

SCALE: 1" = 30 MILES

DIAMOND DRILL HOLE DATA

The following are the vital statistics for each hole drilled at Poplar during 1975:

Hole No.	Co-ord (m)		Elev. (m)	Date		Angle	Bear- ing	Depth (m)
	N.	E.		Start	Finish			
PC-5	5895.42	11,898.32	906.1	May 21	- 24	-90°	-----	179.22
PC-6	5707.30	11,985.92	887.8	May 21	- 24	-90°	-----	172.52
PC-7	6099.91	11,798.26	907.1	May 25	- 30	-90°	-----	229.21
PC-8	6296.57	11,510.30	919.5	May 26	- 30	-60°	065°	153.0
PC-9	6298.54	11,888.98	912.1	May 30	- June 2	-90°	-----	200.56
PC-10	6304.85	11,693.90	901.8	May 31	- June 4	-90°	-----	191.41
PC-11	6100.06	11,998.74	918.9	June 3	- 6	-90°	-----	188.37
PC-12	6085.40	11,571.48	900.3	June 5	- 10	-60°	065°	230.73
PC-13	6202.98	11,897.01	917.3	June 7	- 9	-90°	-----	160.93
PC-14	6068.96	11,291.91	923.6	June 11	- 14	-90°	-----	153.92
PC-15	5804.35	11,593.84	907.3	June 14	- 16	-90°	-----	152.71

Total footage drilled was 2012.58m (6603 feet).

PC-5, 6, 7 were on Poplar #5 claim;

PC-8, 10 were on Poplar #17 claim;

PC-9, 13 were on Poplar #15 claim;

PC-11 was on Poplar #1 FR. and

PC-12, 14, 15 were on Poplar #3 claim.

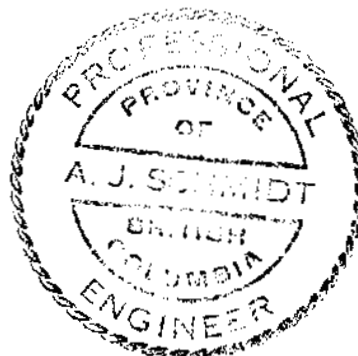
DIAMOND DRILL HOLE LOCATION SURVEY

Upon completion of the drilling programme, each drill hole collar was carefully surveyed by a B.C. Professional Engineer, Mr. John Kerr. His hole location data are incorporated in the Drill Hole location Map.

*A. Schmidt*

A.J.Schmidt, P.Eng.  
Project Geologist

August 8, 1975

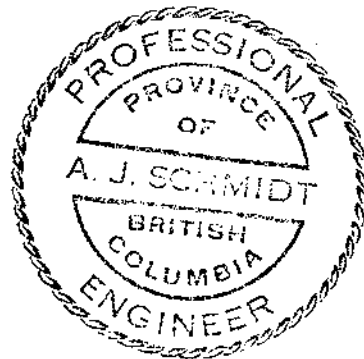


APPENDIX A

Statements of Qualifications

B. Bowen

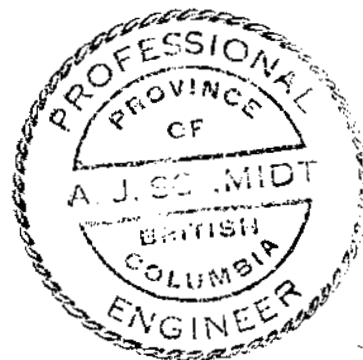
U. Malachowski



The diamond drill core recovered from PC#5 to #15 was carefully logged by either or both of the two geologists who worked on the Poplar property during 1975. They were:

a) B. Bowen, B.A.Sc. - Graduated in Geological Engineering from U.B.C. in 1970. Three seasons under-grad. experience in exploration. Four years experience as field and mine geologist prior to joining Utah in March, 1974. Has worked in B.C., N.W.T., and Australia.

b) U. Malachowski, B.Sc. - Graduated in Geology from U.B.C. in 1969. Three years experience as research and field geologist prior to joining Utah in February, 1972. Has worked mainly in B.C., Alberta, Yukon. One season's experience as under-grad.

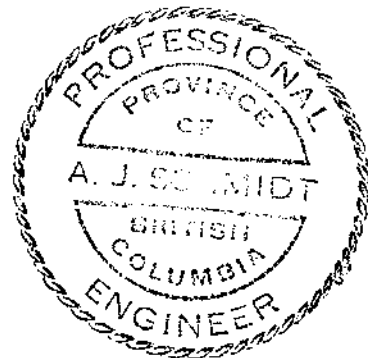




APPENDIX B

1975 Diamond Drilling Contract

*-located in rear pocket.*

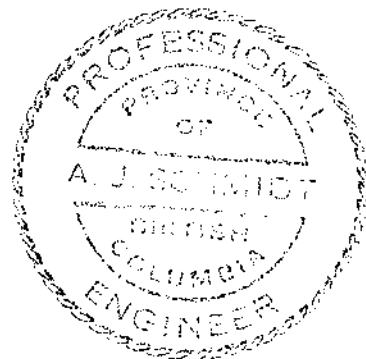


APPENDIX C

Diamond Drill Hole Logs

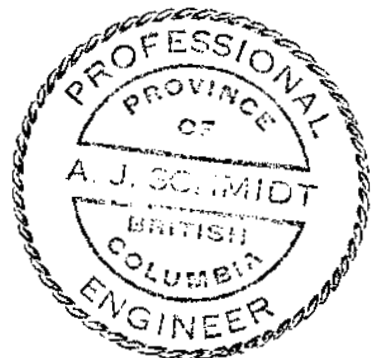
PC # 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15.

*-located in rear pocket.*



APPENDIX D

Invoices of Expenses Incurred

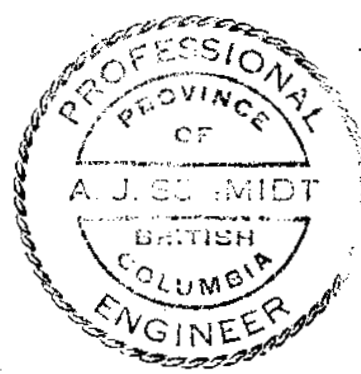


Poplar Lake - 1975

1975 Assessment Report - Drilling, Invoices

Cat Time - Move in & plowing snow		\$ 3,526.50
Sloop Rental - Granges		450.00
Connors Drilling Invoices	\$37,824.09	
	43,550.09	
	3,562.76	
	<u>186.00</u>	
	\$85,122.94	85,122.94
Surveying Drill Holes - Amex -	\$ 200.00	
- Kerr Dawson	<u>383.50</u>	
	\$ 583.50	583.50
Radio Communications - Jack Ross	\$ 296.78	
	<u>256.63</u>	
	\$ 553.41	553.41
Water Supply - D. Tidy Welders		274.60
Hauling Sloop		104.00
Truck Rental - K. Orleski		200.00
Mobilization - Idylwild, Houston	\$ 489.55	
Houston Hotel	<u>221.85</u>	
	\$ 711.40	711.40
Mobilization - Canadian Freightways		1,354.00
Fire Equipment Rental - Eurocan		273.00
Hardware & Supplies - Houston Coop	26.25	
	8.40	
	54.97	
	12.08	
	323.14	
	<u>913.14</u>	
	1,538.34	1,538.34

Groceries - BU Freezer	\$ 367.72	
	597.47	
	91.22	
	<u>448.62</u>	
	\$ 1,505.03	\$ 1,505.03
- Super Valu	1,107.58	
	2,697.89	
	2,184.50	
	<u>526.67</u>	
	\$ 6,516.64	\$ 6,516.64



APPENDIX E

Statement of Expenses Incurred



The following is a true statement of the costs incurred during the 1975 drilling programme at Poplar Lake:

1) Diamond Drilling			
as per Connors Invoices			\$85,122.94
2) Mobilization -			
Bulldozer Rental	\$ 3,526.50		
Sloop Rental	450.00		
Hauling Sloop	104.00		
Truck Rental	200.00		
Hotel Costs	711.40		
Cdn. Freightways	<u>1,354.00</u>		
	\$ 6,345.90	\$ 6,345.90	
3) Food Costs - BU Freezer	\$ 1,505.03		
- Super Value	<u>6,516.64</u>		
	\$ 8,121.67	\$ 8,121.67	
4) Camp Costs - Houston Coop	\$ 1,538.34		
D. Tidy Welders	274.60		
Eurocan	<u>273.00</u>		
	\$ 2,085.94	\$ 2,085.94	
5) Utah Personnel			\$11,325.00
as per attached list			
6) Drill Hole Surveys - Amex	\$ 200.00		
- Kerr Dawson	<u>383.50</u>		
	\$ 583.50	\$ 583.50	
7) Radio Equipment - Jack Ross	\$ 296.78		
	<u>256.63</u>		
	\$ 553.41	\$ 553.41	

8) Vehicle Rentals

1973 GMC "Jimmy" 4 W.D.

May 1st - June 20th

50 days @ \$8.00/day \$ 400.00

1975 GMC Pick-up 4 W.D.

May 1st - June 20th

50 days @ \$8.00/day \$ 400.00

\$ 800.00

\$ 800.00

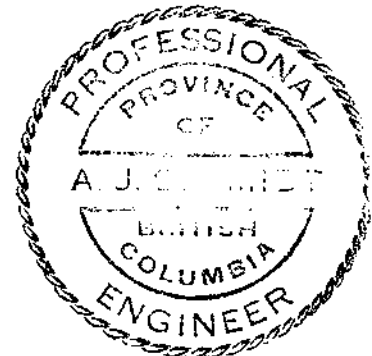
TOTAL

\$114,938.36

Number of feet drilled = 6603 feet.

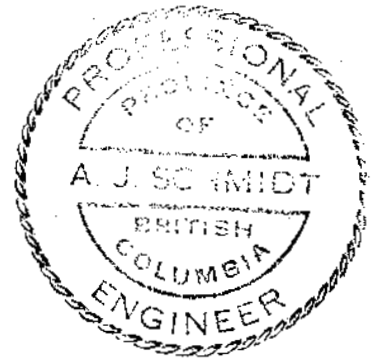
Cost per foot = \$114,938.36/6603

= \$ 17.41, to be used in assessment costs.



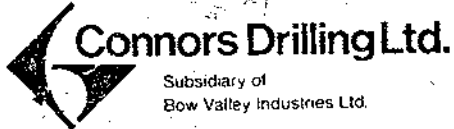


Poplar 1975 Drilling Costs - May 1st - June 30th



Utah Personnel:

B. Bowen, Geologist May & June @ \$1400/month	\$ 2,800.00
U. Malachowski, Geologist May & June @ \$1100/month	\$ 2,200.00
M. Sheldon, Cook May 10 - June 20th 40 days @ \$40/day	\$ 1,600.00
Bill Johnston, 1st Aid Attendent May 7 - 27 20 days @ \$35/day	\$ 700.00
Pat Mulrooney, 1st Aid Attendent June 1 - 20th 20 days @ \$40/day	\$ 800.00
Steve Garner, Core Splitter May 1 - June 20th 40 days @ \$27.50/day	\$ 1,100.00
Ken Orleski, Camp Construction May 1 - 15 15 days @ \$40/day	\$ 600.00
Ingo Jackish, Camp Construction May 1st - 15 15 days @ \$35/day	\$ 525.00
George Norman, Geologist May @ \$1,000/month	\$ 1,000.00
	<u>\$11,325.00</u>



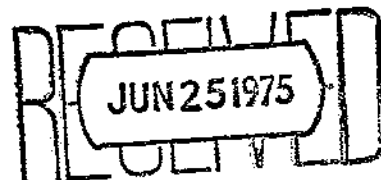
201 - 1201 WEST PENDER STREET, VANCOUVER, B.C. CANADA V6E 2V2  
AREA CODE 604/683 - 2222

Job 21-520

Utah Mines Ltd.  
1600, 1050 West Pender Street  
Vancouver, B. C.  
V6E 3S7

INVOICE NO: 5889  
DATE: June 24, 1975

SURFACE DIAMOND DRILLING  
HOUSTON, B. C.  
JUNE 1 - 15, 1975



FOOTAGE FEE

D.D. Hole #	Start Depth	End Depth	Length	Rate	Amount
PC-9	328	500'	172'	@ 10.25	1,763.00
	500	658	158'	@ 11.00	1,738.00
-11	0	68	68'	@ 9.75	663.00
	68	500	432'	@ 10.25	4,428.00
	500	618	118'	@ 11.00	1,298.00
-13	0	90	90'	@ 9.75	877.50
	90	500	410'	@ 10.25	4,202.50
	500	528	28'	@ 11.00	308.00
-10	42	81	39'	@ 9.75	380.25
	81	500	419'	@ 10.25	4,294.75
	500	628	128'	@ 11.00	1,408.00
-12	0	17	17'	@ 9.75	165.75
	17	500	483'	@ 10.25	4,950.75
	500	757	257'	@ 11.00	2,827.00
-14	0	36	36'	@ 9.75	351.00
	36	500	464'	@ 10.25	4,756.00
	500	505	5'	@ 11.00	55.00
-15	0	12	12'	@ 9.75	117.00
	12	500	488'	@ 10.25	5,002.00
	500	501	1'	@ 11.00	11.00
			<u>3,825'</u>		<u>39,596.50</u>

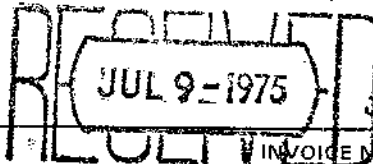




# Connors Drilling Ltd.

Subsidiary of  
Bow Valley Industries Ltd.

5  
207 - 1201 WEST PENDER STREET, VANCOUVER, B.C. CANADA V6E 2V2  
AREA CODE 604/683 - 2222



Job 21-520

UTAH MINES LTD.  
1600, 1050 WEST PENDER STREET  
VANCOUVER, B. C. V6E 3S7

INVOICE NO: 5934  
DATE: July 8, 1975

SURFACE DIAMOND DRILLING  
HOUSTON, B. C.  
JUNE 16 - 20, 1975

*This was  
O.K'd by  
Mr. Schmidt.  
Set in  
to pay  
July 10/75*

### FIELD COST WORK

DATE	MAN HRS.	DRILL HRS.	REMARKS	
June 17/75	60	10	6 men moving equipment	
18	60	10	6 " " "	
19	60	10	6 " " "	
20	30	-0-	3 " " "	
	<u>210</u>	<u>30</u>		
<b>CREDIT PC-6 -</b>				
PC-8 move	-20	-10		
	<u>190</u>	<u>20</u>		
Total man hours	190 @ 12.50			2,375.00
Total drill hours	20 @ 10.00			<u>200.00</u>
				2,575.00

### TRACTOR FUEL CHARGES

40 Fuel hours @ 4.00 160.00

### FUEL LEFT FOR UTAH

15 45 gal. drums Diesel Fuel	675 gal. @ .576	388.80
3 45 gal. drums Gasoline	135 gal. @ .696	93.96
18 Empty drums	@ 15.00	270.00
Fuel delivery charges		<u>75.00</u>
		827.76
		<u>3,562.76</u>

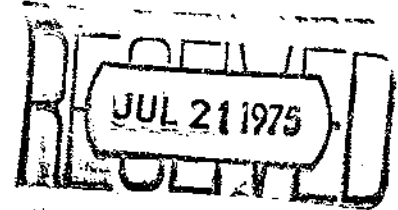
*Set in for Part July 21/75*

UTAH MINES LTD.  
1600, 1050 West Pender Street  
Vancouver, B. C.  
V6E 3S7

Job 21-520  
INVOICE NO: 5953  
DATE: July 18, 1975

*Drill*

SURFACE DIAMOND DRILLING  
HOUSTON, B. C.  
JULY 1 - 15, 1975



FREIGHT CHARGES ON TRACTOR

Bulkley Valley Transport, Inv. #1808 (copy attached)	180.00
" " " " 1776 " "	<u>192.00</u>
	372.00

Utah share 50%

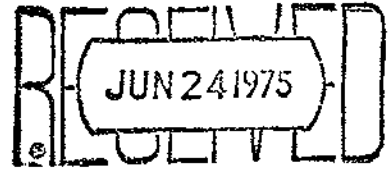
186.00



# KERR, DAWSON & ASSOCIATES. LTD.

9 - 219 Victoria Street  
Kamloops, B.C.

INVOICE # 157



03959-1

*Drilling*

INVOICE TO: Utah Mines Ltd.,  
#1600 - 1050 W. Pender Street,  
VANCOUVER, B. C.

PROJ. # 106  
DATE: June 23rd, 1975

FOR: Surveying Drill Holes  
Tagetochlain Lake, B. C.

*OK/ASS.*

J. R. Kerr, P. Eng.

3 days at \$125.00/day -----

\$ 375.00

Expenses - Photocopies -----

8.50

TOTAL HEREIN -----

\$ 383.50

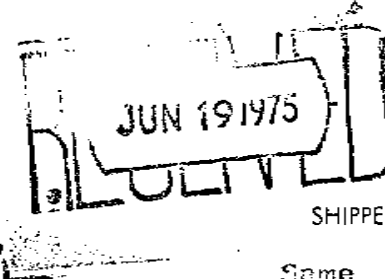
UTAH MINES LTD. -- EXPLORATION DEPT.					
DISTRIBUTION					
Location	Major	Minor	Ac.	E.p.	Amount
00		0	0	0	383.50
00		0	0	0	
00		0	0	0	
00		0	0	0	
00		0	0	0	
Date Received			Invoice Amount		383.50
Ext. & Prices			Discount		
Approved by			Amount Payable		
			Check No.		

*Thank you  
John Kerr*

NO. T-111

DATE June 2/75

YOUR ORDER NO.



SOLD TO . Utah Mines Ltd., *Pender*  
 1600 - 1050 West ~~Lockings~~ St.,  
 Vancouver, B.C. V6E 3S7

SHIPPED TO

Same

*Drill camp*

OUR ORDER NO. 21678		SALESMAN JH Ross	TERMS net 30 days	F.O.B.	DATE SHIPPED May 27/75	SHIPPED VIA parcel post	
QUANTITY ORDERED	QUANTITY SHIPPED	STOCK NUMBER/DESCRIPTION			UNIT PRICE	UNIT	AMOUNT
		<u>Polar Lake Stn. SM601</u>					
	(1)	Overhaul & repair as required.					
	(2)	Install new channels as required					
	(3)	Connect up appropriate antenna outputs					
	(4)	Provide antennas as necessary.					
		<u>Materials:</u>					
		2 only coil kit					\$ 53.00
		3 " crystals (Alpine & VLS)					47.52
		6PH6; 6DE6; 6EJ6; 145MR; 12AX7					27.85
							\$128.37
		S.S.T.					6.81
							\$134.78
		<u>Labor:</u>					162.00
		Total					\$296.78



## INVOICE

**jack ross** ELECTRONICS LTD.

5185 - 57A STREET, BILTA, B.C.  
TELEPHONE 946-4634

*Drill camp*

NO. A-637

DATE June 2/75

YOUR  
ORDER NO.

SOLD TO • Utah Mines Ltd., *Penler*  
1600 - 1050 West ~~Hastings~~ St.,  
Vancouver, B.C. V6E 3S7

SHIPPED TO

Same

RECEIVED  
JUN 19 1975

OUR ORDER NO.	SALESMAN	TERMS	F.O.B.	DATE SHIPPED	SHIPPED VIA	AMOUNT	
21678 52	JH Ross	net 30 days		May 27/75	parcel post		
QUANTITY ORDERED	QUANTITY SHIPPED	STOCK NUMBER/DESCRIPTION			UNIT PRICE	UNIT	AMOUNT
3	only	<u>Heavy Duty Antennas for Poplar Lake Stn</u> STA-130 H.D. antennas @ \$81.47 ea. (1) 2768, (2) 6972/6790, (3) 9462. S.S.T. Total					\$244.41 12.22 <hr/> \$256.63



B & E ENTERPRISES LTD.

GENERAL FREIGHT

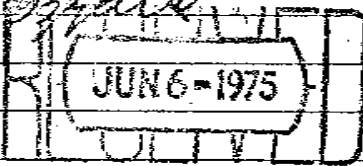
BOX 2, HOUSTON, B.C., PHONE 648-7742

OUR NUMBER	61603
DATE	Apr 30/75
CUSTOMER'S ORDER	
SALESMAN	
TERMS	
F. O. B.	

*A. Will*

SOLD TO *Utah Mines Ltd*  
*1050 W Pender St*  
 SHIPPED TO *Vancouver*  
 ADDRESS \_\_\_\_\_ VIA \_\_\_\_\_

INVOICE

<i>hauling sheep from Am. thru</i>			
<i>to Poplar Lake &amp; back</i>			
<i>rate at 13<sup>00</sup> per ton</i>			<i>1044<sup>00</sup></i>
<i>Call Credit</i>			
			



*Drill camp*

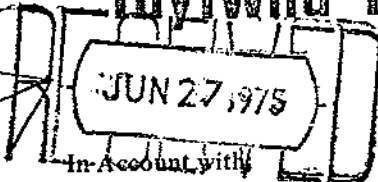
**STATEMENT**

**Idylwild Inn Ltd.**

*Poplar*

NN  
3  
C.  
6

NOTE  
DATE  
RECEIVED



P.O. Box 93 - Houston, B.C.  
Phone 845-2296

*UTAH MINES Ltd.*  
*505 WEST-1ST.*  
*VANCOUVER*  
*Re Eight Men MAY 4<sup>th</sup> to 10<sup>th</sup> day*

Date	Days	Rates	Total	Phone	TOTAL
Balance Owing ( Previous Month )					
<i>J. Jackush</i>	<i>4</i>	<i>8.<sup>00</sup></i>	<i>32.<sup>00</sup></i>		<i>32.<sup>00</sup></i>
<i>K. Erdoski</i>	<i>4</i>	<i>8.<sup>00</sup></i>	<i>32.<sup>00</sup></i>		<i>32.<sup>00</sup></i>
<i>T. Buckley</i>	<i>5</i>	<i>8.<sup>00</sup></i>	<i>40.<sup>00</sup></i>		<i>40.<sup>00</sup></i>
<i>W. Leel</i>	<i>5</i>	<i>8.<sup>00</sup></i>	<i>40.<sup>00</sup></i>		<i>40.<sup>00</sup></i>
<i>W. Johnson</i>	<i>3</i>	<i>11.<sup>00</sup></i>	<i>33.<sup>00</sup></i>		<i>33.<sup>00</sup></i>
<i>H. Penner</i>	<i>3</i>	<i>8.<sup>00</sup></i>	<i>24.<sup>00</sup></i>		<i>24.<sup>00</sup></i>
<i>Andrew Duran</i>	<i>5</i>	<i>8.<sup>00</sup></i>	<i>40.<sup>00</sup></i>		<i>40.<sup>00</sup></i>
<i>Meats</i>			<i>171.<sup>00</sup></i>		<i>171.<sup>00</sup></i>
<i>Telephone</i>			<i>+</i>	<i>1720</i>	<i>1720</i>
<i>Tax</i>	<i>5%</i>				<i>1435</i>
<i>Other</i>	<i>Geo. Merman</i>	<i>46.<sup>00</sup></i>			<i>46.<sup>00</sup></i>
<i>June 24/75</i>					
<b>TOTAL</b>					<b>489.55</b>

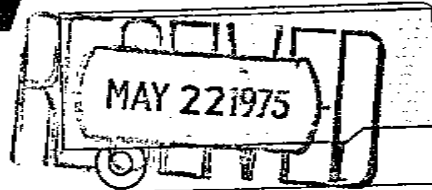
H&W Press & Stationery Ltd.

*mgr.*





COPY



BILLED AT  
**VANCOUVER**

MENTION THIS NUMBER WHEN REMITTING  
**PRO NO. 090- 577538**

EQUIP. NO. **59-133 BT** C.F. BILLING DATE **5 1 75**

9

CHARGES SUBJECT TO TARIFFS  
IN EFFECT AT DATE OF BILLING

CONSIGNEE <b>UTAH MINES LTD</b>		STREET ADDRESS <b>EXPLORATION DEPT</b>		DESTINATION <b>HOUSTON BC</b>		DEST. CODE <b>28</b>		
SHIPPER <b>UTAH MINES LTD</b>		STREET ADDRESS <b>EXPLORATION DEPT</b>		ORIGIN (IF OTHER THAN BILLING POINT) <b>1418 CROWN ST NORTH VAN</b>		ORIGIN CODE <b>90</b>		
ROUTE (CARRIERS' NAMES, INTERCHANGE POINTS, PRO NOS. AND BILLING DATES)				SHIPPER'S NO. <b>NS</b>	C.F. REVENUE <b>1284.00 1354.00</b>	ADVANCE OR BEYOND		
NO. PCS.	DESCRIPTION OF ARTICLES AND MARKS			WEIGHT	RATE	FREIGHT	C.O.D.	TOTAL CHARGES
1	<b>40' TRLR CAMP EQPT</b> <b>FULLTRLR AS 4CM</b>  <b>2 HRS @ 35<sup>00</sup> PER HR *</b> <b>RATED TO HSTN ONLY</b>  <b>RATE - \$35.00 /HR BYD HOUSTON TO BRADINA MINE SITE</b>  <b>CALL - KEN ORLESKI AT IDLEWIND MOTEL</b> <b>845-2296</b>			37550	321	1284.00		<b>1284.00</b> <b>70.00</b> <hr/> <b>1354.00</b>
					* 1 HR BRADINA TO CAMPSITE		1 HR RETURN	

CLAIMS WILL BE GOVERNED BY THE CONDITIONS ON THE BILL OF LADING CONTRACT

DATE OF DELIVERY	TIME OF DEL.	D.S. INITIALS	RECEIVED ABOVE DESCRIBED IN GOOD ORDER EXCEPT AS NOTED. VISIBLE DAMAGE OR SHORTAGE MUST BE NOTED ON DELIVERY.	PERSON RECEIVING GOODS SHALL SIGN HIS NAME IN FULL IN SPACE PROVIDED.
	A.M. P.M.			<b>B</b>

AM  
RE  
CY  
N  
TA  
S  
2



**EUROCAN PULP & PAPER CO. LTD.**

**DEBIT NOTE**

**JUL 1-1975**

TO: **Utah Mines Ltd  
Suite 1600  
1050 W. Pender Street  
Vancouver, B.C.**

DEBIT NOTE NO. **172**  
DATE **June 24, 1975**

INVOICE No.  
PURCHASE ORDER No.

WE HAVE DEBITED YOUR ACCOUNT AS SHOWN:

**Equipment Rented For June  
Your P.O. # 3734**

**June 5 to June 30 = 26 Days**

**26 Days of rental of Wajax/nemp  
1500 ft. 1½" fire hose and a  
1500 gals water tank morented  
on whells  
@ \$10/day  
5% Sales Tax**

*drill camp*

**\$260.00  
13.00**

**\$273.00**

DEBITS		CREDITS	
CODE	AMOUNT	CODE	AMOUNT
703-480-900	273.00	798-302-499	260.00
		Sales Tax	13.00

ADDRESSEE





"Organized  
for  
Savings



not  
for  
profit

# HOUSTON CO-OP MARKETING ASSOCIATION

GROWERS AND WHOLESALERS OF FARM PRODUCE  
P.O. BOX 94 PHONE MANAGER 845-2454 : OFFICE 845-2303 FARM SUPPLIES  
ACCOUNTS PAYABLE WHEN RENDERED, 1% CHARGED ON OVERDUE ACCOUNTS. FARM EQUIPMENT

FEEDS & SEEDS  
FOR ALL NEEDS

Houston, B.C. May 8 1975

MEMBER'S NO.

Sold to W. L. ...

MONTHLY CHG.

LISTING

REVOLVING CR.

BUDGET

Address \_\_\_\_\_

**RECEIVED**  
MAY 26 1975

*drill copy*

PCS.	DESCRIPTION	PRICE	AMOUNT
400-1/2	1/2 lb. ...	9.12	4.90
1	lb. gloves		4.35
			52.35
			2.62
			54.97

*3683*  
*charges*  
*per ...*

Rec'd Pay't \_\_\_\_\_

PROV.  
SALES TAX

Rec'd Goods \_\_\_\_\_

TOTAL

No. 41573

MEMBER'S COPY

FORM L-503

FLATPAK 1000 BUSINESS FORMS



"Organized  
for  
Savings



not  
for  
Profit

# HOUSTON CO-OP MARKETING ASSOCIATION

GROWERS AND WHOLESALERS OF FARM PRODUCE  
P.O. BOX 94 PHONE MANAGER 845-2454 ; OFFICE 845-2303  
ACCOUNTS PAYABLE WHEN RENDERED. 1 1/2% CHARGED ON OVERDUE ACCOUNTS.

FEEDS & SEEDS  
FOR ALL NEEDS

FARM SUPPLIES  
FARM EQUIPMENT

Houston, B.C., May 15 1977

Sold to: Uta Kline

Address

MAY 26 1977

MEMBER'S NO

MONTHLY CHG.

DATING

RECEIVING CR.

CREDIT

PCS.	DESCRIPTION	FEET	PRICE	AMOUNT
3	rolls 12 1/2 ga black wire		32.00	96.00
3	lbs fence staples		0.45	1.35
1	grass seed			10.50
2	-50 white down		54.00	54.00
2	-50 bronze		80.00	80.00
2	-50 Pennington		65.00	65.00
	Subtotal			306.85
	Exc Tax			15.34
2	-lbs staples large		0.45	3.22
	George Norman			14.00
	PO 3682			323.14
				0.50
				323.14

Rec'd Pay's

Rec'd Goods

PROV  
SALES TAX

TOTAL

No. 41941

FORM L-503

FLATPANT MOORE BUSINESS FORMS

MEMBER'S COPY

drill camp

"Organized  
for  
Savings



not  
for  
Profit"

# HOUSTON CO-OP MARKETING ASSOCIATION

GROWERS AND WHOLESALERS OF FARM PRODUCE  
P.O. BOX 94 PHONE MANAGER 845-2454 ; OFFICE 845-2303

FARM SUPPLIES  
FARM EQUIPMENT

FEEDS & SEEDS  
FOR ALL NEEDS

Houston, B.C., May 5 1975

MEMBER'S NO

Sold to Wood Pine Sta.  
Address \_\_\_\_\_

- MONTHLY CHG.
- DATING
- REVOLVING CR.
- BUDGET

PCS.	DESCRIPTION	FEET	PRICE	AMOUNT
	12 x 100# propane tank		6.25	750.00
	12 x 100# propane		12.50	1500.00
				870.00
		car		43.50
				913.50
	<i>Chg.</i>			
	<u>Kew Orleans</u>			

RECEIVED  
MAY 12 1975

Rec'd Pay't \_\_\_\_\_  
Rec'd Goods \_\_\_\_\_

PROV. SALES TAX	
TOTAL	

No. 41373

FORM L-503

FLATPAKIT NOOPE BUSINESS FORMS

MEMBER'S COPY

**B. V. FREEZER MEAT SUPPLY  
BOX 341, SMITHERS, B.C.**

ORDER NO. \_\_\_\_\_ DATE 22 May 1975  
 SOLD TO Utah Mines Ltd.  
 ADDRESS Smiths Bldg - 1050 W Pender Street  
 SHIP TO Pepler Lake Winnipeg  
 ADDRESS \_\_\_\_\_

WHEN SHIP	HOW SHIP	TERMS	BUYER	SALESMAN
		<u>8 day's</u>		
<u>1 Side Beef A1</u>		<u>317 Lbs @ \$1.16</u>	<u>#36772</u>	
<u>Cost - wrapped &amp; frozen</u>				
<u>17 day's aged</u>				

**RECEIVED  
MAY 26 1975**

*A. Schilt*

*Drill comp*

UTAH MINES LTD. - EXPLORATION DEPT.					
<i>Pepler Lake</i> DISTRIBUTION					
Location	Major	Minor	Act.	Exp.	Amount
<u>30 00</u>	<u>LD00</u>	<u>288 0</u>	<u>40</u>	<u>20</u>	<u>36772</u>
<u>00</u>		<u>0</u>	<u>0</u>	<u>0</u>	
<u>00</u>		<u>0</u>	<u>0</u>	<u>0</u>	
<u>00</u>		<u>0</u>	<u>0</u>	<u>0</u>	
<u>00</u>		<u>0</u>	<u>0</u>	<u>0</u>	

Date Received	Invoice Amount	<u>36772</u>
Ext. & Prices	Discount	
Approved by	Amount Payable	
	Check No.	

**14211**

SIGNATURE



*Drill copy*

B. V. FREEZER MEAT SUPPLY  
BOX 641, SMITHERS, B.C.

DATE *May 12 1952*

M *Wink Mine*

ACCT. FWD.

*Paper Sales*

1	3 Turkey's	37 <sup>3</sup> lbs	2	35.34
2	Cottage Rolls	10 <sup>6</sup> lbs	4	26.11
3	Meek Chicken	7 <sup>5</sup> lbs	4	24.00
4	Fresh Pork	8 <sup>1</sup> 1/2 lbs	4	9.32
5	Roll Ham	9 <sup>5</sup> 1/2 lbs	4	12.05
6				\$ 91.22
7				
8				
9				
10	<i>Per</i>			
11	<i>T. Myrelock</i>			
12				
13				
14				
15	21			





(London)  
 Super Valu # *7* P.O. Box # *2039* Vancouver V6B 3S1  
 Cheque To *06253-7* May 28th 1975

Date	Invoice Number	Amount
May 7	48524	6470
" 7	48525	752.22
" 8	48655	290.66
Total		\$ 1107.58

UTAH MINES LTD. -- EXPLORATION DEPT.					
DISTRIBUTION					
Location	Major	Minor	Act.	Exp.	Amount
30 00	4000	288 0	4 0	2 0	1107.58
00		0	0	0	
00		0	0	0	
00		0	0	0	
00		0	0	0	
Date Received			Invoice Amount		1107.58
Ext. & Prices			Discount		
Approved by			Amount Payable		
<i>[Signature]</i>			Check No.		

P.O. Box 310  
Smithers, B.C.  
VOJ 2N0

May 31 1975

M. Utah Mines Ltd.

510 - West Hastings St  
Vancouver B.C.

**GOODACRES' STORES LTD.**

029698

GROCERIES - MEATS - PRODUCE

FROZEN FOODS

THANKS FOR CALLING

CALL AGAIN JUN 17 1975

May 9	Poplar Lake	18119	✓	#5683
	Poplar Lake	126244	✓	#5836
10	✓	8074	✓	#5752
	meat	15335	✓	#5122
13	groc Paid	71038		#43
15		8455	✓	#5837
20	groc 18357	18687	X	#5689
	meat	18335	✓	#5712
21	Lam	2184	✓	#5753
22	groc	1989	✓	#5774
27	meat	2780	✓	#5725
	groc	49887	✓	#5715
	Dr Balance	271127		
	less paid invoice at enoug	1338		
	02969-6			
	Total	269789		
	Drill Camp			

Pay →

Goodacres' Stores Ltd.

May 28th 1975

(Super Valu)

02969-6

P.O. Box # 310

Smithers, B.C.

Date

Invoice No.

Amount

May 13/75	43		10.38
May 9/75	5828		92.85
"	5829		193.64
"	5830		123.75
"	5831		43.10
"	5832		103.97
"	5833		81.61
"	5834		167.03
"	5835		374.74
"	5836		81.75
9/75	5683		181.19
May 10/75	5752		80.74
May 10/75	5702		153.35
May 15/75	5837		84.55
May 20/75	5689	Corrected Invoice	144.10
May 20/75	5690		42.77
May 20/75	5712		183.25
May 22/75	5754		19.89
May 21/75	5753		21.84

Drill Camp

UTAH MINES LTD. - EXPLORATION DEPT.					
5753 DISTRIBUTION					
Location	Major	Minor	Act.	Exp.	Amount
30 00	4000	288 0	40	20	2,184.50
00		0	0	0	
00		0	0	0	
00		0	0	0	
00		0	0	0	
Date Received			Invoice Amount		2,184.50
Ext. & Prices			Discount		
Approved by			Amount Payable		
			Check No.		

Total

2,184.50

02969-6

Goodacres' Stores Ltd.,

P. O. Box #310 Smithers, B. C.

June 5th 1975

Date	Invoice No.	Amount
May 27.	5758	\$ 305.53
" 27	5757	193.34
" 27	5725	27.80
		<hr/>
		\$ 526.67

*Drill Camp*

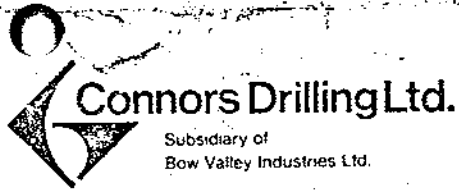
UTAH MINES LTD. -- EXPLORATION DEPT.					
DISTRIBUTION					
Location	Major	Minor	Act.	Exp.	Amount
30 00	4000	288 0	4 0	2 0	526.67
00		0	0	0	
00		0	0	0	
00		0	0	0	
00		0	0	0	
Date Received			Invoice Amount		
Ext. & Prices			Discount		
Approved by			Amount Payable		
<i>[Signature]</i>			Check No.		

7 05 100 apple June 6 534	29 48
7 05 100 apple June 5 515 16 50	29 48
TOTAL	305 53

No 5758

*B. H. Bowen*

SES-MOORE PRINT



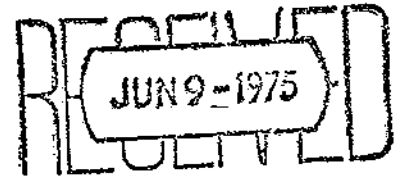
207<sup>5</sup> - 1201 WEST PENDER STREET, VANCOUVER, B.C. CANADA V6E 2V2  
AREA CODE 604/683 - 2222

Job 1-520

Utah Mines Ltd.  
1600, 1050 West Pender St.  
Vancouver, B. C. V6E 3S7

INVOICE NO: 5850  
DATE: June 5, 1975

SURFACE DIAMOND DRILLING  
HOUSTON, B. C.  
May 16 - 31, 1975



Mobilization - Demobilization (Lump sum) 2,500.00

Footage Fee

D.D. Hole #	PC-5	0 - 78'	78 @ 9.75	760.50	
		78 - 500'	422 @ 10.25	4,325.50	
		500 - 588'	88 @ 11.00	968.00	
	PC-7	0 - 82'	82 @ 9.75	799.50	
		82 - 500'	418 @ 10.25	4,284.50	
		500 - 752'	252 @ 11.00	2,772.00	
	PC-9	0 - 95'	95 @ 9.75	926.25	
		95 - 328'	233 @ 10.25	2,388.25	
	PC-6	0 - 61'	61 @ 9.75	594.75	
		61 - 500'	439 @ 10.25	4,499.75	
		500 - 566'	66 @ 11.00	726.00	
	PC-8	0 - 66'	66 @ 9.75	643.50	
		66 - 500'	434 @ 10.25	4,448.50	
		500 - 502'	2 @ 11.00	22.00	
	PC-10	0 - 42'	42 @ 9.75	409.50	28,568.50
			<u>2,778'</u>		

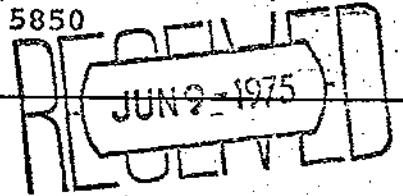
5850

15 Suite 205 - 1201 West Pender Street  
Vancouver, B.C. V6E 2V2

Mines Ltd.  
1050 West Pender St.  
Vancouver, B. C.  
E 3S7

DATE June 5, 1975

INVOICE NO. 5850



- 2 -

FIELD COST WORK

Date	Shift	Hole #	Man Hrs.	Drill Hrs.	Remarks
May 15/75	Day		25	5	Moving in to drill site
16	"		30	10	" " " "
17	"		30	10	" " " "
18	"		5	-	" " " "
24	"	PC-5	9	4½	Engineer delay
"	"	PC-6	6	3	" "
"	Night	PC-8	8	4	Move beyond 200 metres
25	Day	"	20	10	" " " "
"	Night	"	20	10	" " " "
26	Day	"	20	10	" " " "
30	Night	PC-10	10	5	" " " "
			<u>183</u>	<u>71½</u>	

Total man hours	183 @ 12.50	2,287.50	
Total drill hours	71½ @ 10.00	<u>715.00</u>	3,002.50

TRACTOR HOURS BUILDING ROAD & DRILL SITES

9 man hours	@ 12.50	112.50	
9 tractor hours	@ 10.00	<u>90.00</u>	202.50

DRILLING MUD CONSUMED

41 50# bags Quick Gel Mud @ 4.95	202.95	
5% tax	<u>10.15</u>	213.10

TIME SPENT MIXING MUD

Date	Hole #	Man hrs.	Drill Hrs.
May 25/75	PC-7	6	3
30	PC-9	<u>2</u>	<u>1</u>
		8	4

Total man hours	8 @ 12.50	100.00	
Total drill hours	4 @ 10.00	<u>40.00</u>	140.00



# Connors Drilling Ltd.

Subsidiary of  
Bow Valley Industries Ltd.

155 Suite 205 - 1201 West Pender Street  
Vancouver, B.C. V6E 2V2

To • Utah Mines Ltd.  
• 1600, 1050 West Pender St.  
• Vancouver, B. C.  
• V6E 3S7

DATE June 5, 1975  
INVOICE NO. 5850

- 3 -

RECEIVED  
JUN 9 - 1975

### SUPPLIES LEFT IN HOLE #PC-7

8 pcs. NW - 10' Casing	@ 73.50	588.00	
1 pc. NW - 2' "		17.85	
1 NW casing shoe #J4ZW-228		170.35	
(Hole #PC-6)			
2 pcs. NW - 10' casing	@ 73.50	147.00	
1 NW Shoe #J5ZW-102 (50%)	@ 204.06	102.03	
		<u>1,025.23</u>	
5% Tax		51.26	
			<u>1,076.49</u>

### CORE BOXES SUPPLIED

500 NQ core boxes @ 3.50		1,750.00	
20 BQ Core boxes @ 3.50		70.00	
200 Core box lids @ 1.00		200.00	
		<u>2,020.00</u>	
5% Tax		101.00	
			<u>2,121.00</u>
			<u>37,824.09</u>



JOB. NO.	INVOICE NO.	MO.	DAY	YEAR	INVOIC	AMOUNT	DISCOUNT	NET AMOUNT
825	030430CKR	06	04	75		450.00	.00	450.00
TOTALS						450.00	.00	450.00

*Move in  
Drill Camp.*

INQUIRIES: UTAH MINES LTD.      EXPLORATION DEPT  
 1050 WEST PENDER ST      VANCOUVER, B C      V6E 3(604) 683-6921

UTAH MINES LTD.  
 510 WEST HASTINGS STREET - VANCOUVER, B. C.

015735      015735

HASTINGS & GRANVILLE BRANCH  
 CANADIAN IMPERIAL BANK OF COMMERCE  
 VANCOUVER, B. C. CANADA

VENDOR NO.      DATE OF CHECK  
 030430      06-16-75

DOLLARS	CENTS
*****450.00	

\*\*\*\*\*  
 GRANGES EXPLORATION AB  
 1060-1055 W. HASTINGS ST.  
 VANCOUVER B.C.

UTAH MINES LTD.  
 GENERAL ACCOUNT

NOT NEGOTIABLE

⑆0⑆5735⑆ ⑆000⑆0⑆0⑆0⑆0⑆ 92⑆03⑆1⑆7⑆⑆

REQUEST FOR CHECK

030430

NO

PAYABLE TO GRANGES Exploration AB DATE JUNE 4th 1975  
\$1060 - 1055 West Hartings Street Vancouver, B.C.

DRAW CHECK ON \_\_\_\_\_

BANK \_\_\_\_\_

ITEM	ACCOUNT AFFECTED	AMOUNT
FOR RENTAL OF STEEL SLOOP FOR 4 1/2 WEEKS @ \$100.00 PER WEEK		450.00
Change to Reflac		
3000 for 2880 / 070 / 150.00		
<input type="checkbox"/> MAIL <input type="checkbox"/> WILL CALL <input type="checkbox"/> WAITING <input type="checkbox"/>	PREPARED BY <u>Pet Dmanu</u>	APPROVED BY <u>M. K. [Signature]</u>
DELIVER TO _____	CHECK NO. _____	

Move-in  
Drill

Folio \_\_\_\_\_ Statement  
May 1975

M. Utah Woods Ltd.  
 1100 - 1150 W. Pioneer  
 Provo, Utah

In Acc't With \_\_\_\_\_

Terms \_\_\_\_\_ 105 1/2

April	17	10 hrs			
	30	8 1/2 hrs			
May	5	9 hrs			
	6	9 hrs			
	7	11 1/2 hrs			
	8	8 1/2 hrs			
	9	8 hrs			
	15	10 hrs			
	16	14 hrs			
	17	10 hrs			
		99 1/2 hrs @ 33 <sup>00</sup>			3250 50
April		Netco Cat rental			60 00
		Loaded 108 x 2 mags.			216 00
		Shoes & baskets			3526 50

PAID  
 JUN 2 - 1975



HOLE NO.: PC-5

PROJECT: POPLAR

PAGE NO.: 2 OF 11

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: May 21, 1975

REF. TO CLAIM CORNER: Poplar #5

COORDINATES: 5900 N. 11,900 E.

DATE FINISHED: May 24, 1975

SCALE: 1cm = 1m

INCLINATION: -70°

BEARING:

TOTAL DEPTH: 179.22

LOGGED BY: U3M

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 93.4%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SERPICITE	SILICA	ARGILLIC	PROPYLITIC											
35								<p>✓ 35.7 - hem? vnt with moly</p> <p>at 35.7 hem? vnt (black, hard ≈ 6 non-magnetic, may have brownish streak) with moly flakes.</p>			35.7	100%		35.5	
								<p>✓ 37.04 - moly vnt 1/6" thick</p> <p>at 34.3, a few very small specks of cov noted</p>			37.0	87%		29205	84.7%
											38.1	90%		59.5	
											39.0	100%			
											40.5	60%		29206	74%
											42.1	93%		41.5	
											43.6	93%		29207	81.0%
											44.8	77%		44.5	
											46.3	60%		29209	70.9%
											48.0	83%		47.5	
											49.2	71%		29210	71.3%
50															

23.5 - 179.22 FELD PORPH

NQWL

5%

8%

HOLE NO.: **PC-5**  
 COLLAR ELEV.:                      GROUND ELEV.:  
 COORDINATES: **5900 N. 11,900 E.**  
 INCLINATION: **-90°**                      BEARING:

PROJECT: **POPLAR**  
 DATE STARTED: **May 21, 1975**  
 DATE FINISHED: **May 24, 1975**  
 TOTAL DEPTH: **179.22 m**

PAGE NO.: **3 of 11**  
 REF. TO CLAIM CORNER: **Poplar #5**  
 SCALE: **1cm = 1m**  
 LOGGED BY: **UGM**

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SEPIKITE	SILICA	ARGILLIC	PROPYLITIC											
50	↑	↑	↑	↑	↑		<b>23.5 - 179.22 FELD PORPH</b>	<b>93.4%</b>	<b>8%</b>	<b>NGWL</b>	51.5	67%	50.5		
											52.7	83%	29211	72.2%	
											54.0	75%	53.5		
55											55.2	98%	29213	91.5%	
											56.9	92%	56.5		
											57.8	89%	29214	67.0%	
											59.1	42%	59.5		
60											60.4	77%	29215	74.3%	
											61.3	67%			
											62.2	75%	63.5		
											63.3	86%	29216	80.6%	
												85%			
65	↓	↓	↓	↓	↓										

30%  
 40%  
 20%  
 Tr  
 Strong

HOLE NO.: PC-5  
 COLLAR ELEV.:  
 COORDINATES: 5900 N. 11,900 E.  
 INCLINATION: -90° BEARING:

PROJECT: POPLAR  
 DATE STARTED: May 21, 1975  
 DATE FINISHED: May 24, 1975  
 TOTAL DEPTH: 179.22 m

PAGE NO.: 4 OF 11  
 REF. TO CLAIM CORNER: Poplar #5  
 SCALE: 1cm = 1m  
 LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 93.4%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	M.F.
	SERICITE	SILICA	ARGILLIC	PROPYLITIC												
65								at 64.01, feld although heavily altered by sericite, are starting to turn a pink colour; at 65.53 end of pink colour.			65.1					
	30%	40%			Strong						66.5	50%		29217	18.7%	0
								at 70.41 rock changes, med grey to brown grey; dense; phenos still present white to pale green, numerous gypsum vnlts 1/16" - 1/8" wide; occ gtz vnlts - gtz mainly pervasive			69.5	3%				
70								~ tube didn't lock ~ 70.4, 1/4" pyr-gtz vnlts with tr cpy ~ gyps vnlts			70.3	77%		29218	60.7%	0
											72.5	98%				
											75.6	100%		29219	99.3%	0
75	20%	50%	20%		Weak						78.6	100%		29220	100%	0
80														29221	100%	0









HOLE NO.: PC-5

PROJECT: POPLAR

PAGE NO.: 8 of 11

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: May 21, 1975

REF. TO CLAIM CORNER: Poplar #5

COORDINATES: 5900 N. 11,900 E.

DATE FINISHED: May 24, 1975

SCALE: 1 cm = 1 m

INCLINATION: -90° BEARING:

TOTAL DEPTH: 179.22

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 93.4%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SERICITE	SILICA	ARGILLIC	PROPYLITIC											
125	20%	50%	20%	T	Weak		23.5 - 179.22 FELD PORPH								
							127.41, fr. mas. in pyr unit.				127.4	99%		29263	128.5
							from 132.89 - 134.11 rock pale green again as described at 96.32 - 99.67				130.5	100%		29264	131.5
							at 137.16, 2-3" wide annealed by carb-sil; contains small ang frags of country rock in white matrix				133.5	98%		29265	134.5
							134.27, 1" qtz unit				136.6	98%		29266	137.5
							137.16				139.6	98%		29267	
														99.2%	







HOLE NO.: **PC-6**  
 COLLAR ELEV.:                      GROUND ELEV.:  
 COORDINATES: **5700 N. 12,000 E.**  
 INCLINATION: **-90°**              BEARING:

PROJECT: **POPLAR**  
 DATE STARTED: **May 21, 1975**  
 DATE FINISHED: **May 24, 1975**  
 TOTAL DEPTH: **172.52 m**

PAGE NO.: **1 of 11**  
 REF. TO CLAIM CORNER: **Poplar #5**  
 SCALE: **1cm = 1m**  
 LOGGED BY: **UGM**

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY SAMP INT
0														
61							<b>STICKUP</b>							
18.6	↑ SERICITE	↑ SILICA	↑ ARGILLIC	↑ PROPYLITE										
20	↑ 10%	↑ 40%					<b>18.6 - 144.63 FELDSPAR PORPHYRY</b> white, c.g. feld phenos totally sericitized in a light grey silica-sericite matrix; occ pale green phenos, av. diam of feld 2mm cut by carbonate vults and aragonite?; at 23.8 white, hexagonal xls, soft #3-4; minor magnetite (tr); tr moly; occ fract rusty to 20.72 m; pyr dominantly dissem; occ rock cut by dark zone - probably an altered shear (1/4 - 1/2" wide)  occ patches of replaced mineral most likely mafic filled with c.g. sericite and/or streaks of magnetite  <i>1/2" pyr vult with gouge</i>  <i>23.8, xlline aragonite? vult 2.5" to CA</i>							
20.7										18.6	45%		29651	18.6
23.2										20.7	89%		29652	21.6
28										23.2	94%		29653	24.6
30										28.6	94%		29654	28.6
										25.7	100%		29655	27.6
										25.7	97%		29656	30.6













HOLE NO.: PC-6

PROJECT: POPLAR

PAGE NO.: 7 of 11

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: May 21, 1975

REF. TO CLAIM CORNER:

Poplar #5

COORDINATES: 5700

N. 12,000 E.

DATE FINISHED: May 24, 1975

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 172.52

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.
	SERICITE	SILICA	ARGILLIC	HYDROTHERMAL											
107	↑	↑	↑	↑	Moderate		18.6-144.63 FELD PORPH	91.3%		107.3	99%			29231	98.6%
110							110.8-110.95 altered dyke? - pale green matrix, fairly hard with white and pale green feld phenos that are altered to clay sericite; dyke also has pink matrix occ.			103	98%			29232	95.2%
115	10%	40%	30%	7%	Weak					113.4	91%			29233	93.1%
										116.7	98%			29234	97.1%
120										119.8	102%			29235	100.6%
										120.6					

~110.8-110.95 dyke?

CPY

5%

NGWL

HOLE NO.: PC-6

COLLAR ELEV.:

COORDINATES: 5700

INCLINATION: -90°

GROUND ELEV.:

N. 12,000 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: May 21, 1975

DATE FINISHED: May 24, 1975

TOTAL DEPTH: 172.52

PAGE NO.: 8 of 11

REF. TO CLAIM CORNER: Poplar #5

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE		% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERICITE	SILICA	MAGNETIC	PROPYLITIC				FRACTURING	91.3%						
122	↑	↑	↑	↑	↑		19.6 - 144.63 FELD PORPH				123.8				
125											126.2	91%		29236	91.1%
130	10%	40%	30%	Tr	Weak		133.35 - 133.81 dyke? appears to be same as surrounding rock only different colour; grades from 2" of pink matrix to pale green matrix with white sericitized feld phenos, completely replaced biotite phenos and pale green phenos; less gyps vning through here; and feld phenos a little ragged.				129.2	98%		29237	98.0%
											132.3	98%		29238	98.0%
											135.3	98%		29239	97.0%
135												88%		29240	



HOLE NO.: **PC-6**  
 COLLAR ELEV.: \_\_\_\_\_ GROUND ELEV.: \_\_\_\_\_  
 COORDINATES: **5700 N. 12,000 E.**  
 INCLINATION: **-90°** BEARING: \_\_\_\_\_

PROJECT: **POPLAR**  
 DATE STARTED: **May 21, 1975**  
 DATE FINISHED: **May 24, 1975**  
 TOTAL DEPTH: **172.52**

PAGE NO.: **10 OF 11**  
 REF. TO CLAIM CORNER: **Poplar #5**  
 SCALE: **1 cm = 1 m**  
 LOGGED BY: **UGM**

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	M.F.								
	SERPENTINE	SILICA	ARGILLIC	PROPYLLITIC																				
152							<b>144.63 - 172.52 TUFF</b>	<b>91.3%</b>																
																152.7	53%	46%						
																153.3	53%	46%						
																154.5	17%	17%						
155																155.1	77%	59%				29246	46.3%	
																155.8	77%	59%						
																156.4	81%	59%						
																157.3	83%	51%						
																157.9	83%	51%				29247	93.2%	
																	100%	100%						
160	40%	50%			Very Strong																			
																160.0								
																	80%	80%				29248	82.7%	
																163.1								
																164.0	103%	103%						
								103%	103%				29249	100.7%										
165																								
							166.4																	
													29250											











HOLE NO.: PC-7

COLLAR ELEV.:

COORDINATES: 6100

INCLINATION: -90°

GROUND ELEV.:

N. 11,800 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: May 25, 1975

DATE FINISHED: May 30, 1975

TOTAL DEPTH: 229.21 m

PAGE NO.: 4 of 14

REF. TO CLAIM CORNER: Poplar #5

SCALE: 1 cm: 1 m

LOGGED BY: UGM

SECTION	ALTERATION				MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SERICITE	SILICA	ARGILLIC	BIOTITE										
68								95.1%						
70				8%			85 - 229.21 FELD PORPH			68.1				
					Very Strong		from 69.04 - 71.32 as at 58.22; cov. still on			69.0	69%		29320	89.7%
							fracts, moly + cpy; rock grades into black						70	
							biotite-rich rock; porphyritic texture			71.2	97%		29321	89.7%
							still absent			72.2	100%		29322	98.7%
													73	
													29323	
75	20%	60%		10%			from 78.64 - 83.82 as at 58.22; much moly			75.3			76	97.4%
					Moderate		through here						29324	92.0%
							~ 76.05 moly-cpy pyr in						77	
							carb-qtz vein			78.0	89%		29325	
													78	
													29326	
80										81.1	98%		79	93.2%
													29327	
													80	
										82.1	82%		29328	
													81	
													29329	
													82	
													29330	

HOLE NO.: PC-7

COLLAR ELEV.:

COORDINATES: 6100 N. 11,800 E.

INCLINATION: -90° BEARING:

PROJECT: POPLAR

DATE STARTED: May 25, 1975

DATE FINISHED: May 30, 1975

TOTAL DEPTH: 229.21 m

PAGE NO.: 5 of 14

REF. TO CLAIM CORNER: Poplar #5

SCALE: 1 cm = 1 m

LOGGED BY: UGM

SECTION	ALTERATION				MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	
	SERICITE	SILICA	ARGILLIC	BIOTITE											FRACTURING
83	↑	↑	↑	↑			25-229.21 FELD PORPH	95.1%							
83.82							83.82 much moly on fract			83.8			85	29325	89.2%
85							moly in vert qtz vrn			85.0	100%		85	29326	89.4%
							86.41 moly in 1/2 qtz vrn			87.8	94%		88	29327	95.7%
90							89.0 black spec hem on fract			89.8	87%	100%	91	29328	76.2%
										92.8	98%		94	29329	97.3%
88										93.9	38%				
										95.4	103%				
										96.9	92%				

at 91.14 porphyritic texture appears, gradational from above rock; white totally sericitized feld phenos in buff silica-ser matrix with no biotite to white totally sericitized feld phenos in dark grey to brown matrix of silica-ser-biotite; also ragged biotite phenos; tr k-spar alteration along vns and fract; moly throughout dissem + on fract - also cpy

5%

NGWL



HOLE NO.: PC-7

COLLAR ELEV.:

COORDINATES: 6100

INCLINATION: -90°

GROUND ELEV.:  
N. 11,800 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: May 25, 1975

DATE FINISHED: May 30, 1975

TOTAL DEPTH: 229.21 m

PAGE NO.: 7 OF 14

REF. TO CLAIM CORNER: Poplar #5

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	M
	SERICITE	SILICA	ARGILLIC	BIOTITE												
113									95.1%							
115	15%		10%	2%	Weak			25 - 229.21 FELD PORPH			97%		29335	96.7%	0	
								at 124.51, porphyritic text disappears; rock dark grey to almost black; K-spar alteration much more prevalent occurring along some fract's as a solvage			99%		29336	98.9%	0	
120	10%	60%	20%	5%	Mod.			~119.18, sp in gyps vnt			95%		29337	95.4%	0	
					Weak			~121.92, K-spar along fract		5%			29338	96.8%	0	
125	10%	70%	10%								97%		29339	98.7%	0	
													29340		0	
													29341		0	
													29342		0	
													29343		0	
													29344		0	
													29345		0	
													29346		0	
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													29380		0	
													29381		0	
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													29396		0	
													29397		0	
													29398		0	
													29399		0	
													29400		0	

5%  
127.4  
124.4  
118.3  
115.2

127

124

118

115

112

109

106

103

100

97

94

91

88

85

82

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MOLE NO.: PC-7

COLLAR ELEV.:

COORDINATES: 6100

INCLINATION: -90°

GROUND ELEV.:  
N. 11,800 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: May 25, 1975

DATE FINISHED: May 30, 1975

TOTAL DEPTH: 229.21 m

PAGE NO.: 8 of 14

REF. TO CLAIM CORNER: Poplar #5

SCALE: 1 cm = 1 m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY/HOLE 95.1%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP INT.	
	SERICITE	SILICA	ARGILLIC	BIOTITE												
120	10%	70%						25 - 229.21 FELD PORPHY				100%		130	29340	99.9%
120	10%	40%	30%					from 130.15 - 132.89 porphyritic again			130.5	89%		130	29341	92.0%
135	10%	70%			Weak			at 138.38 - 138.68, unit of gyps and gyps-carb?; white on bottom half - may be a combination of calcite and gyps with purple gypsum pockets that appear like bx'd frags; this is overlain by an almost translucent pure gyps band with the same purple xln gyps pockets; the contact between both is at 90° and very sharp and clear; moly in both.			132.6	98%		133	29342	97.9%
135	10%	70%			Weak			→ 136.25 opy unit 1/6" thick → 136.55 k-spar vning → 137.32 - 1/8" clots of cpy in core			135.6	97%		136	29343	99.4%
140	10%	70%			Weak			→ 138.39			136.6	100%		139	29344	96.8%
140	10%	70%			Weak			k-spar vning very strong			139.6	96%		142	29344	96.8%
140	10%	70%			Weak						142.7					

HOLE NO.: PC-7

COLLAR ELEV.:

COORDINATES: 6100

INCLINATION: -90°

GROUND ELEV.:

N. 11,800 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: May 25, 1975

DATE FINISHED: May 30, 1975

TOTAL DEPTH: 229.21 m

PAGE NO.: 7 of 14

REF. TO CLAIM CORNER: Poplar #5

SCALE: 1 cm = 1 m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 95.1%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SERICITE	SILICA	ARGILLIC	BIOTITE										
143	↑	↑	↑	↑	↑		biotite becoming increasingly coarse grained; flakes visible with naked eye.  25 - 229.21 FELD PORPH							
145	↑	↑	↑	↑	↑			144.5		136%			29345	120.7%
	↑	↑	↑	↑	↑			145.7		100%			29346	98.5%
	↑	↑	↑	↑	↑			148.7		98%			29347	97.8%
150	↑	↑	↑	↑	↑			149.7		100%			29348	97.5%
	↑	↑	↑	↑	↑			151.8		96%			29349	99.5%
	↑	↑	↑	↑	↑			154.8		98%			29350	97.5%
	↑	↑	↑	↑	↑			157.9		100%			29351	99.5%
155	↑	↑	↑	↑	↑									

153.16, 1/2 cm qtz moly vnt

153.47, 1cm vuggy qtz vnt

154.38, 1.2 cm massive \*  
opt vnt

154.53, 1mm cpq vnt

## DESCRIPTIVE GEOLOGY

25 - 229.21 FELD PORPH

5%

NQWL

HOLE NO.: PC-7

COLLAR ELEV.:

GROUND ELEV.:

PROJECT: POPLAR

DATE STARTED: May 25, 1975

PAGE NO.: 10 of 14

COORDINATES: 6100 N. 11,800 E.

DATE FINISHED: May 30, 1975

REF. TO CLAIM CORNER: Poplar # 5

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 229.21 m

SCALE: 1 cm = 1 m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.	M
	SERICITE	SILICA	ARGILLIC	BIOTITE												
158									95.1%							
160								25 - 229.21 FELD PORPH				100%		160 29350	100.0%	0
165	10%	70%	10%	Weak						5%		100%	163 29351	100.0%	0	
												102%	164 29352	101.3%	0	
												101%	166 29353	101.3%	0	
												101%	169 29354	100.4%	0	
170												100%	172 29354	100.4%	0	





HOLE NO.: PC-7

COLLAR ELV.:

COORDINATES: 6100

INCLINATION: -90°

GROUND ELEV.:  
N. 11,800 E.  
BEARING:

PROJECT: POPLAR

DATE STARTED: May 25, 1975

DATE FINISHED: May 30, 1975

TOTAL DEPTH: 229.21 m

PAGE NO.: 13 OF 14

REF. TO CLAIM CORNER: Poplar #5

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y
	SERICITE	SILICA	ARGILLIC	BIOTITE											
203								at 203.3 a few qtz eyes noted, one of which was 1 cm	95.1%						
205								at 210.16 - hodge podge of rock from 197.21, 197.97 plus a green, grey very siliceous rock, massive				105%		205-29365	103.1%
210	30%	60%			Weak			at 215.49 - cpy seems to have a very pink rim - may be bornite - too pink for pyr; also chalcocite? coating cpy				103%		208-29366	103.4%
215								at 214.43 2 x 1/4 cm glob of cpy				100%		209-29367	100.6%
								at 217.02 1cm glob cpy				100%		211-29368	100.0%
								at 217.02 x 1/4 gyps vein				100%		214-29369	90.8%
												100%		217-29370	99%

NGWL

HOLE NO.: *PC-7*PROJECT: *POPLAR*PAGE NO.: *4 of 14*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: *May 25, 1975*REF. TO CLAIM CORNER: *Poplar #5*COORDINATES: *6160*N. *11,800* E.DATE FINISHED: *May 30, 1975*SCALE: *1cm: 1m*INCLINATION: *-90°*

BEARING:

TOTAL DEPTH: *229.21 m*LOGGED BY: *UGM*

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE <i>95.1%</i>	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERICITE	SILICA	ARGILLIC	BIOTITE											
218								<i>~ 1/4 cm glob of cpy</i>							
	<i>30%</i>	<i>60%</i>						<i>from 218.85 - 219.46 qtz eyes? or qtz frags?</i>			<i>218.9</i>			<i>29370</i>	<i>98.3%</i>
220										<i>5%</i>				<i>220</i>	
	<i>40%</i>	<i>50%</i>						<i>222.05 - 222.66 DYKE</i>			<i>221.9</i>	<i>97%</i>		<i>29371</i>	<i>97.0%</i>
								<i>aphanitic red dyke with 2mm qtz eyes; buff at contacts</i>							
								<i>~ moly seam?</i>						<i>223</i>	
225					<i>Weak</i>			<i>from 225.86 as 197.21</i>			<i>224.9</i>	<i>97%</i>		<i>29372</i>	<i>94.8%</i>
	<i>30%</i>	<i>55%</i>						<i>from 228.60 as 197.97</i>		<i>5%</i>				<i>226</i>	
								<i>~ 3mm cpy vntt</i>			<i>226.3</i>	<i>91%</i>		<i>29373</i>	<i>99.2%</i>
								<i>~ 228.91, 1cm qtz moly vntt</i>							
								<i>~ 229.06, 2cm calcite, qtz sphal, cpy, spec hem vntt</i>			<i>228.2</i>	<i>100%</i>		<i>29374</i>	
														<i>229.2</i>	





HOLE NO.: PC-8

PROJECT: POPLAR

PAGE NO.: 3 of 10

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

May 26/75

REF. TO CLAIM CORNER:

Poplar # 17

COORDINATES:

6300

N. 11,500 E.

DATE FINISHED:

May 30/75

SCALE: 1cm = 1m

INCLINATION: -60°

BEARING: 065°

TOTAL DEPTH:

153.0 m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE 87.3%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP INT.
	SERICITE	SILICA	ARGILLIC											
47														
							From 46.33 fold becoming more indistinct appearing only as irreg sericite clots, occ, & rare trace cov on fract							
							~ 49.23, 3cm pyr vntt tr moly, tr sphal			97.6			29383	93.7%
50										49.7	96%		49.2	
										54.2	100%		29384	99.3%
							~ 21cm gte-pyr vntt			54.0	100%		29385	97.6%
							~ 2cm carb-pyr vntt				94%		55.2	
55	30%	60%								55.8	100%		29386	78.8%
							~ 57.3 tr sec. brown biotite			56.7	100%			
										57.6	78%			
										58.2	55%		58.2	
										59.1	47%		29387	47.2%
										60.0	47%			
60										60.7	58%			
										61.3	58%			
										61.9	47%			



HOLE NO.: *PC-8* PROJECT: *POPLAR* PAGE NO.: *3* OF *10*  
 COLLAR ELEV.: \_\_\_\_\_ GROUND ELEV.: \_\_\_\_\_ DATE STARTED: *May 26/75* REF. TO CLAIM CORNER: *Poplar # 17*  
 COORDINATES: *6300 N. 11,500 E.* DATE FINISHED: *May 30/75* SCALE: *1cm = 1m*  
 INCLINATION: *-60°* BEARING: *065°* TOTAL DEPTH: *153.0 m* LOGGED BY: *UGM*

SECTION	ALTERATION		FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SERICITE	SILICA										
47	↑	↑	↑									
50					<p>from 46.33 feld becoming more indistinct appearing only as irreg sericite dots, occ, &amp; rare trace cov on fract</p> <p>~ 49.23, 3cm pyr vntf tr moly, tr sphal</p>							
55					<p>~ 1cm glz-pyr vntf</p> <p>~ 2cm carb-pyr vntf</p>							
60					<p>~ 57.3 tr sec. brown biotite</p>							

Very Strong → Moderate

30%  
 60%

8%  
 5%

NQWL

DRILLING INTERVAL	% CORE RECOVERED	SAMPLE INTERVAL	% REC'Y SAMP. INT.
47.6	96%	29383	93.7%
49.7	100%	29384	99.3%
51.2	100%	29385	97.6%
54.0	94%	29386	78.8%
55.8	100%	29387	47.2%
56.7	78%		
57.6	78%		
58.2	53%		
59.1	47%		
60.0	47%		
60.7	53%		
61.5			

HOLE NO.: PC-8

PROJECT: POPLAR

PAGE NO.: 5 of 10

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: May 26/75

REF. TO CLAIM CORNER: Poplar #17

COORDINATES: 6300

N. 11,500 E.

DATE FINISHED: May 30/75

SCALE: 1cm = 1m

INCLINATION: -60°

BEARING: 065°

TOTAL DEPTH: 153.0 m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE		SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	
	SERICITE	SILICA	ARGILLIC					87.3%	77.1							
77	↑	↑	↑	↑			<p>at 87.53 feld phenos vague white sericitized spots in a silica-sericite matrix (buff); pyr mostly on fract.</p>				77.1					
	30%	60%		Weak												
80	↑	↑	↑	↑												
	20%	60%		Very Strong												
81	↑	↑	↑	↑												
	20%	60%		Very Strong												
82	↑	↑	↑	↑												
	20%	60%		Very Strong												
83	↑	↑	↑	↑												
	20%	60%		Very Strong												
84	↑	↑	↑	↑												
	20%	60%		Very Strong												
85	↑	↑	↑	↑												
	20%	60%		Very Strong												
86	↑	↑	↑	↑												
	20%	60%		Very Strong												
87	↑	↑	↑	↑												
	20%	60%		Very Strong												
88	↑	↑	↑	↑												
	20%	60%		Very Strong												
89	↑	↑	↑	↑												
	20%	60%		Very Strong												
90	↑	↑	↑	↑												
	20%	60%		Very Strong												
91	↑	↑	↑	↑												
	20%	60%		Very Strong												
92	↑	↑	↑	↑												
	20%	60%		Very Strong												
93	↑	↑	↑	↑												
	20%	60%		Very Strong												
94	↑	↑	↑	↑												
	20%	60%		Very Strong												
95	↑	↑	↑	↑												
	20%	60%		Very Strong												
96	↑	↑	↑	↑												
	20%	60%		Very Strong												
97	↑	↑	↑	↑												
	20%	60%		Very Strong												
98	↑	↑	↑	↑												
	20%	60%		Very Strong												
99	↑	↑	↑	↑												
	20%	60%		Very Strong												
100	↑	↑	↑	↑												
	20%	60%		Very Strong												

91.6 spy on fract

NGWL





HOLE NO.: PC-8

COLLAR ELEV.:

COORDINATES: 6300

INCLINATION: -60°

GROUND ELEV.:

N. 11,500 E.

BEARING: 065°

PROJECT: POPLAR

DATE STARTED: May 26/75

DATE FINISHED: May 30/75

TOTAL DEPTH: 153.0 m

PAGE NO.: 8 of 10

REF. TO CLAIM CORNER: Poplar #17

SCALE: 1cm = 1m

LOGGED BY: UJM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SERICITE	SILICA	ARGILLIC	BIOTITE											
122								19.2 - 153.0 FELD FORTH	87.3%						
125								between 128.93 - 131.06 locally very intense biotite sections that are a deep brown in colour							
130	20%	60%	2%		Weak			at 135.18 - 135.49 DYKE pale pink, aphanitic with extremely f.g. phenos? of pale green sericite - may be feld; contacts sharp and pale green; no pyr or sulphides							
135															

~127.97, moly in 1cm gyps vntt

~133.2, sphal, moly in pink carb vntt  
~133.96 buff frags? as at 41.15

5'

NQWL

122.9	100%	29408	101.1%
125.9	100%	29409	100.9%
127.2	102%	29410	100.3%
128.9	98%	29411	98.0%
130.0	98%	29412	106.7%
132.5	111%		
135.3	101%		

HOLE NO.: PC-8

PROJECT: POPLAR

PAGE NO.: 9 OF 10

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: May 26/75

REF. TO CLAIM CORNER: Poplar # 17

COORDINATES: 6300 N. 11,500 E.

DATE FINISHED: May 30/75

SCALE: 1cm = 1m

INCLINATION: -60° BEARING: 065°

TOTAL DEPTH: 153.0 m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 87.3%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SERICITE	SILICA	ARGILLIC	BIOTITE											
137								at 137.16 yellow buff frags described previously become more pronounced			138.4			29413	101.5%
140	20%	60%						from 141.93 - 146.91 section of tuff? yellow buff sericite-silica rock in a white sericite-silica-pyr matrix; bxd; at 143.56 bx matrix is feld porph, white sericitized feld visible; dotted with small specks of black spec hem.			141.4	100%		29414	103.0%
145					Weak			at 146.91 feld porph with vague white sericitized feld in light grey silica-sericite matrix; locally dark brown streaks and clots of brown secondary biotite dotted with small specks black hem.		5%	141.5	103%		29415	98.1%
	30%	50%									146.9	82%		29416	95.9%
											148.4	114%		29417	106.4%
150				2%				-149.51 sphal 3mm in qtz unit -149.66 sphal moly in qtz unit			150.8	100%			
											151.2	108%			



HOLE NO.: PC-8

COLLAR ELEV.:

COORDINATES: 6380

INCLINATION: -60°

GROUND ELEV.:

N. 11,500 E.

BEARING: 065°

PROJECT: POPLAR

DATE STARTED: May 26/75

DATE FINISHED: May 30/75

TOTAL DEPTH: 153.0 m

PAGE NO.: 10 of 10

REF. TO CLAIM CORNER: Poplar #17

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERICITE	SILICA	ANSELIC	BIOTITE											
152	30%	50%		2%	W			19.2 - 153.0 FELD PORPH	87.3%	5%	1330	26%	190WL	29418	72.0%





HOLE NO.: *PC-9*

PROJECT: *POPLAR*

PAGE NO.: *3* of *12*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: *May 30/75*

REF. TO CLAIM CORNER: *Poplar #15*

COORDINATES: *6300* N. *11,900* E.

DATE FINISHED: *June 2/75*

SCALE: *1cm = 1m*

INCLINATION: *-90°*

BEARING:

TOTAL DEPTH: *200.56m*

LOGGED BY: *UGM*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE <i>95.4%</i>	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	SERPENTINE	SILICA	ARGILLIC											
<i>54</i>														
<i>55</i>	<i>10%</i>	<i>50%</i>	<i>20%</i>	<i>Weak</i>			<i>pink feld gone at 55.8</i>			<i>54.3</i>	<i>100%</i>		<i>29428</i>	<i>100.0%</i>
										<i>57.3</i>	<i>100%</i>		<i>29429</i>	<i>100.0%</i>
<i>60</i>										<i>60.4</i>	<i>100%</i>		<i>29430</i>	<i>98.4%</i>
							<i>at 67.36 pink feld back again</i>			<i>63.4</i>	<i>99%</i>		<i>29431</i>	<i>98.8%</i>
<i>65</i>										<i>66.5</i>	<i>101%</i>		<i>29432</i>	<i>100.5%</i>
										<i>68.8</i>			<i>29433</i>	

HOLE NO.: *PC-9*

PROJECT: *POPLAR*

PAGE NO.: *3* OF *12*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: *May 30/75*

REF. TO CLAIM CORNER: *Poplar #15*

COORDINATES: *6300 N. 11,900 E.*

DATE FINISHED: *June 2/75*

SCALE: *1cm = 1m*

INCLINATION: *-90°* BEARING:

TOTAL DEPTH: *200.56m*

LOGGED BY: *UGM*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE <i>95.4%</i>	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT
	SERPENTINE	SILICA	ARGILLIC											
54														
55							<i>pink feld gone at 55.8</i>			<i>54.3</i>			<i>29428</i>	<i>100.0%</i>
										<i>57.2</i>	<i>100%</i>		<i>29429</i>	<i>100.0%</i>
										<i>60.4</i>	<i>100%</i>		<i>29430</i>	<i>100.0%</i>
60							<i>at 67.36 pink feld back again</i>			<i>63.4</i>	<i>98%</i>		<i>29431</i>	<i>98.4%</i>
										<i>66.5</i>	<i>99%</i>		<i>29432</i>	<i>98.8%</i>
60										<i>69.8</i>	<i>101%</i>		<i>29433</i>	<i>98.8%</i>
										<i>73.0</i>			<i>29434</i>	<i>100.5%</i>

*10%*  
*50%*  
*20%*

*Weak*

*12%*

*NGWL*



HOLE NO.: PC-9

PROJECT: POPLAR

PAGE NO.: 5 of 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: May 30/75

REF. TO CLAIM CORNER: Poplar # 15

COORDINATES: 6300 N. 11,900 E.

DATE FINISHED: June 2/75

SCALE: 1 cm = 1 m

INCLINATION: -70°

BEARING:

TOTAL DEPTH: 200.56 m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERICITE	SILICA	MESILLIC											
84								95.4%						
85							from 91.44 - 97.54 feld pink again; here pyr. vnlts have a grey bleached selvage of silica-ser which removes pink feld			84.7	100%		29438	99.7%
										92.8	100%		29439	100.0%
										92.8	100%		29440	98.7%
90										93.9	98%		29441	100.5%
										96.9	100%		29442	99.5%
88										98.8	100%		29443	100.5%

10%  
50%  
20%

Weak

10%

NQWL

HOLE NO.: PC-9

COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 6300 N. 11,900 E.

INCLINATION: -90°

BEARING:

PROJECT: POPLAR

DATE STARTED: May 30/75

DATE FINISHED: June 2/75

TOTAL DEPTH: 200.56 m

PAGE NO.: 7 of 12

REF. TO CLAIM CORNER: Poplar #15

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. CAMP INT
	SERICITE	STILICITE	ARGILLIC	BIOTITE											
114									95.4%						
115							26.8 - 200.56 FELD PORPH								
							115.52 minor sphal in gips vnt				115.2			29448	100.1%
											118.3	102%		29449	100.5%
											119.8	99%		29450	97.5%
120	10%	50%	20%		Weak		lightly sheared			8%	122.3	100%		29476	97.7%
											124.4			29477	96.4%
											127.4	95%			
125											129.8				
											125.6				



HOLE NO.: PC-9

COLLAR ELEV.:

COORDINATES: 6360

INCLINATION: -90°

GROUND ELEV.:

N. 11,900 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: May 30/75

DATE FINISHED: June 2/75

TOTAL DEPTH: 200.56 m

PAGE NO.: 7 of 12

REF. TO CLAIM CORNER: Poplar #15

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y CAMP INT
	SERICITE	SILICA	ARGILLIC	BIOTITE											
114									95.4%						
115							26.8 - 280.56 FELD PORTH	115.52 minor sphal in gyps vult			115.2			29448	100.1%
											112.3	102%		29449	100.5%
120								lightly sheared			119.8	99%		29450	99.5%
											121.3	100%		29476	97.7%
											124.4	95%		29477	96.4%
125											127.4	98%		29478	96.4%
											128.6				

HOLE NO.: PC-9

PROJECT: POPLAR

PAGE NO.: 9 of 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: May 30/75

REF. TO CLAIM CORNER: Poplar #15

COORDINATES: 6300 N. 11,900 E.

DATE FINISHED: June 2/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 200.56m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 95.4%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT
	SERICITE	SILICA	MAGNETIC	BIOTITE											
144															
145	10%	70%					at 147.68 crowded feld porph; white totally altered ang feld and black biotite. phenos in a buff to light grey matrix; pyr vnlts all have bleached light grey selvages; some pink feld and k-spar? (pink) along pyr vnlts				145.7	98%		29483	99.3%
	10%	40%	30%				at 150.26 as at 141.63				148.7	98%		29484	98.4%
150	10%	70%	30%		Weak		at 151.49 as at 147.68				149.8	99%		29485	98.7%
	10%	40%	30%				at 152.25 as at 141.63				151.6	98%		29486	98.3%
	10%	70%					at 153.14 as at 147.68				154.8	98%		29487	98.7%
155	10%	40%	30%								157.9	98%		29488	98.7%

copy extremely fine - difficult to estimate

HOLE NO.: PC-9

COLLAR ELEV.:

COORDINATES: 6300 N. 11,900 E.

INCLINATION: -90°

GROUND ELEV.:

BEARING:

PROJECT: POPLAR

DATE STARTED: May 30/75

DATE FINISHED: June 2/75

TOTAL DEPTH: 200.56m

PAGE NO.: 9 OF 12

REF. TO CLAIM CORNER: Poplar #15

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT
	SERICITE	SILICA	ARGILLIC	BIOTITE											
144									95.4%						
145	10%	70%					at 147.68 crowded feld porph; white totally altered arg feld and black biotite. phenos in a buff to light grey matrix; pyr vnlts all have bleached light grey selvages; some pink feld and k-spar? (pink) along pyr vnlts				145.7	98%		29483	99.3%
	10%	40%	30%				at 150.26 as at 141.63				148.7			29484	98.4%
150	10%	70%			5% Weak		at 151.49 as at 147.68				149.8	99%		29485	98.7%
	10%	40%	30%				at 152.25 as at 141.63				151.6			29486	98.3%
	10%	70%					at 153.14 as at 147.68				154.8	98%		29487	98.7%
155	10%	40%	30%								157.9	99%		29488	98.7%
											158.8				

cpy extremely fine - difficult to estimate

HOLE NO.: PC-9

PROJECT: POPLAR

PAGE NO.: 10 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: May 30/75

REF. TO CLAIM CORNER: Poplar #15

COORDINATES: 6300 N. 11,900 E.

DATE FINISHED: June 2/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 200.56 m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT
	SERICITE	SILICA	ARGILLIC	BIOTITE											
159															
160	10%	10%	30%					at 165.20 as at 141.63						29489	98.3%
								160.93 2mm spy, pyr red hem, sphal vnt						161.8	
														29489	99.0%
														164.0	
165	10%	70%			5% Weak			164.75 1cm spec hem, pyr spy vnt						164.0	
								heavily sheared zone - upper etc not measurable						167.0	
														170.1	
170														170.8	
														29491	99.8%
														173.1	
														29492	98.5%
								171.91, pyr - spy vnt chit selvage						173.8	



HOLE NO.: PC-9

PROJECT: POPLAR

PAGE NO.: 12 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: May 30/75

REF. TO CLAIM CORNER: Poplar 1

COORDINATES: 6300 N. 11,900 E.

DATE FINISHED: June 2/75

SCALE: 1cm = 1m

INCLINATION: -90° BEARING:

TOTAL DEPTH: 200.56m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 95.4%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y
	SERICITE	SILICA	ARGILLIC	BIOTITE											
189															
190								from 185.6 - 191.87 biotite phenos completely replaced to brown clay patches;				92%		29498	93.3%
								from 191.87 - 192.33 black, fresh biotite phenos as well as light brown altered to clay-sericite phenos			1914			1918	
								from 192.33 - 198.43 field pink altered to clay-sericite, + chl along fract as selvages and biotite phenos all altered to light brown clay			1915	102%		29499	102.0%
195	10%	40%	30%	7%	Weak			from 198.43 - 200.25, med grey, dense with no field phenos visible, locally brownish due to secondary biotite (minor)		5%			1918	29500	102.0%
													1925	29501	102.0%
200		70%		8%										29501	102.0%
														200.6	

much k-spar  
along grt in  
with to moly

-195.99 pyr vult  
with 2cm chl  
selvages

NPWL



HOLE NO.: PC-10

PROJECT: POPLAR

PAGE NO.: 2 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: May 31 1975

REF. TO CLAIM CORNER: Poplar #17

COORDINATES: 6300 N. 11,700 E.

DATE FINISHED: June 4 1975

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 191.41 m

LOGGED BY: UGPI

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE 89.3%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	SERICITE	SILICA	ARGILLIC											
37	↑	↑	↑	↑						37.5				
										37.8	75%			
										38.4	67%		29562	61.8%
										39.3	47%			
40										39.9	67%		39.7	
										40.5	42%			
										41.5	42%		29563	56.2%
										42.1	29%			
										42.4	133%		42.7	
										43.3	42%			
										43.6	58%			
										44.5	72%		29564	68.4%
45										45.1	71%			
										45.7	92%		45.7	
										46.3	83%			
										46.9	96%		29565	72.4%
										47.9	81%			
											56%		48.7	
													29566	41.4%
50										50.9				
										51.5	50%		51.7	

~43.59, moly on fract

~51.51, cov on fract  
~51.8 moly on fract

8%  
NQWL



HOLE NO.: *PC-10*  
 COLLAR ELEV.:                      GROUND ELEV.:  
 COORDINATES: *6380 N. 11,700 E.*  
 INCLINATION: *-90°*              BEARING:

PROJECT: *POPLAR*  
 DATE STARTED: *May 31/75*  
 DATE FINISHED: *June 4/75*  
 TOTAL DEPTH: *191.41 m*

PAGE NO.: *3* of *12*  
 REF. TO CLAIM CORNER: *Poplar #17*  
 SCALE: *1cm = 1m*  
 LOGGED BY: *UGM*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE <i>89.3%</i>	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	SERICITE	SILICA	ARGILLIC											
52							<i>~ 52.12 cpy dissem along qtz vnit</i>							
53							<i>at 53.04 texture of rock changes; feld phenos distinct, white, angular, totally sericitized in a light grey silica-sericite matrix; pyr dominantly dissem; moly occurring relatively frequently on fract; specks of black specular hem throughout; rare tr. cav</i>			<i>54.3</i>	<i>75%</i>		<i>29567</i>	<i>84.6%</i>
54							<i>~ 53.95, moly on fract</i> <i>~ 54.25, moly vnit 3mm wide</i>						<i>54.7</i>	
55										<i>57.3</i>	<i>98%</i>		<i>29568</i>	<i>98.1%</i>
56							<i>~ spec hem in pyr vnit</i>						<i>57.7</i>	
57													<i>58.4</i>	
58										<i>60.4</i>	<i>99%</i>		<i>29569</i>	<i>99.0%</i>
59													<i>60.7</i>	
60													<i>63.4</i>	
61													<i>65.2</i>	
62													<i>66.5</i>	
63													<i>67.1</i>	
64													<i>68.7</i>	
65													<i>69.4</i>	
66													<i>70.1</i>	
67													<i>70.8</i>	
68													<i>71.5</i>	
69													<i>72.2</i>	
70													<i>72.9</i>	
71													<i>73.6</i>	
72													<i>74.3</i>	
73													<i>75.0</i>	
74													<i>75.7</i>	
75													<i>76.4</i>	
76													<i>77.1</i>	
77													<i>77.8</i>	
78													<i>78.5</i>	
79													<i>79.2</i>	
80													<i>79.9</i>	
81													<i>80.6</i>	
82													<i>81.3</i>	
83													<i>82.0</i>	
84													<i>82.7</i>	
85													<i>83.4</i>	
86													<i>84.1</i>	
87													<i>84.8</i>	
88													<i>85.5</i>	
89													<i>86.2</i>	
90													<i>86.9</i>	
91													<i>87.6</i>	
92													<i>88.3</i>	
93													<i>89.0</i>	
94													<i>89.7</i>	
95													<i>90.4</i>	
96													<i>91.1</i>	
97													<i>91.8</i>	
98													<i>92.5</i>	
99													<i>93.2</i>	
100													<i>93.9</i>	

*at 53.04 texture of rock changes; feld phenos distinct, white, angular, totally sericitized in a light grey silica-sericite matrix; pyr dominantly dissem; moly occurring relatively frequently on fract; specks of black specular hem throughout; rare tr. cav*

*30%*  
*60%*

*Weak*

*Strong*

*8%*

*NGWL*



HOLE NO.: PC-10

PROJECT: POPLAR

PAGE NO.: 5 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: May 31/75

REF. TO CLAIM CORNER: Poplar # 17

COORDINATES: 6300 N. 11,700 E.

DATE FINISHED: June 4/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 191.41 m

LOGGED BY: UGIM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SERICITE	SILICA	ARGILLIC											
82							at 81.99 most gyps vining gone	89.3%						
85							from 83.21 - 83.82, fld phenos very slightly pink		5%	84.7	102%		29577	102.0%
90	20%	70%		Weak			<ul style="list-style-type: none"> <li>87.78 - 89.00 Several massive gtz-pyr vntls w/ to CA. 2-3 cm wide</li> <li>89.92, 3 cm gyps-pyr vnt</li> </ul>		15%	87.8	100%		29578	100.0%
							- pyr-gyps vnt 1/4 CA 2cm wide						29579	99.0%
							- gyps vnt 1/4 CA width of ore		5%	90.8	98%		29580	98.0%
95										93.9	101%		29581	100.8%
										96.9				

NQWL



HOLE NO.: PC-10

COLLAR ELEV.:

COORDINATES: 6380 N. 11,780 E.

INCLINATION: -90° BEARING:

GROUND ELEV.:

PROJECT: POPLAR

DATE STARTED: May 31/75

DATE FINISHED: June 4/75

TOTAL DEPTH: 191.41 m

PAGE NO.: 7 OF 12

REF. TO CLAIM CORNER: Poplar # 17

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 89.3%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERICITE	SILICA	ARGILLIC											
112														
115	20%	70%		Weak			118.26 - 118.57 QTZ EYE DYKE light green to buff, streaked with red at upper cte; contains qtz eyes (3 mm) and extremely fine laths of feld buff altered to clay; no clear cte but appears to be at 55° for lower and upper; at 118.42, 10 cm of feld porph.		5%	116.2	99%		29587	99.3%
							117.04 brownish 2 cm xln gyps vint			115.2			29588	97.3%
							118.57 - 123.75 FELD PORPHYRY as before; feld phenos blending into groundmass; rock has a buff colour			118.3	97%		29589	97.3%
									Nil	Nil			29589	88.0%
120	20%	70%		Moderate			123.75 - 145.09 DYKE dark brown with 1cm pale green, sericitized phenos, lath shaped phenos 2-4 mm qtz eyes; groundmass is finely trachytic; upper cte not known, bleached pale brown with reddish tinge; black specks throughout non-magnetic - probably hem; at 126.19 dyke grades into a light grey colour and loses its pronounced trachytic text; laths still present in matrix but even finer grained		5%	120.1	89%		29589	88.0%
										121.9	76%		29590	77.1%
										123.1	88%			
										123.4	42%			
										124.7	73%		29591	86.3%
125				Weak					Nil	Nil				
										126.7				

NGWL



HOLE NO.: PC-10

PROJECT: POPLAR

PAGE NO.: 9 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: May 31/75

REF. TO CLAIM CORNER: Poplar #17

COORDINATES: 6300 N. 11,700 E.

DATE FINISHED: June 4/75

SCALE: 1cm = 1m

INCLINATION: -90° BEARING:

TOTAL DEPTH: 191.41 m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE		SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SERICITE	SILICA	ARGILLIC					87.3%							
42	?	?	?				- dyke grades back to dark grey colour at lower etc, trachytic; lower etc unknown			NIL	142.7	93%		29597	95.4%
45							145.09 - 179.38 FELDSPAR PORPHYRY pale green grey with white irreg patches of sericite (feld) grading into sericite-silica matrix; grades into light grey matrix with white feld phenos more obvious				144.5	64%		29598	93.1%
							~ 147.22 spy in pyr int. also spec hem.				145.4	102%		29599	101.2%
50	30%	60%		Weak						5%	148.1	101%		29600	102.5%
											154.5	103%		29601	100.8%
155											156.7	100%			

HOLE NO.: PC-10

PROJECT: POPLAR

PAGE NO.: 10 of 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: May 31/75

REF. TO CLAIM CORNER: Poplar #17

COORDINATES: 6300 N. 11,700 E.

DATE FINISHED: June 4/75

SCALE: 1cm = 1m

INCLINATION: -90° BEARING:

TOTAL DEPTH: 191.41 m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 89.3%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT
	SERICITE	SILICA	MAGNETIC											
157										157.6	101%		29602	100.7%
160										160.6	96%		29603	97.5%
165	30%	60%		Weak						167.0	99%		29604	97.7%
170				Mod						167.0	99%		29605	99.0%
										170.1	100%		29606	99.5%
										171.7				

DESCRIPTIVE GEOLOGY

NQW





HOLE NO.: PC-10

COLLAR ELEV.:

COORDINATES: 6300

INCLINATION: -90°

GROUND ELEV.:

N. 11,700 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: May 31/75

DATE FINISHED: June 4/75

TOTAL DEPTH: 191.41 m

PAGE NO.: 12 OF 12

REF. TO CLAIM CORNER: Poplar #17

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 89.3%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERIKITE	SILICA	ARGILLIC											
187														
190	50%	60%		Weak			biotite phenos very distinct but very altered to clay		5%	188.1 188.7	10%	19W/L	29612 29612	97.8%
											84%		191.4 29613	84%

HOLE NO.: PC-11

PROJECT: POPLAR

PAGE NO.: 1 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 3/75

REF. TO CLAIM CORNER: Poplar #1

COORDINATES: 6100 N. 12,000 E.

DATE FINISHED: June 6/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 188.37m

LOGGED BY: UCM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SERICITE	SILICA	MAGNETIC											
0								95.2%						
.61							STICKUP							
21.0							OVERBURDEN							
21.6							TRICONED							
22	40%	40%	10%	Very Strong			21.6 - 81.54 FELDSPAR PORPHYRY white totally sericitized feld phenos in a light grey sericite-silica matrix; feld also yellow probably from rust on fract. rust to 24.69; very little structure save for pyr on fract. matrix occ reddened by red hem. biotite phenos, when observed very altered to brown clay and/or sericite; also pale green, sericitized lath shaped phenos.		22.1	67%	100%		21.6	
25							24.84 oct? on pyr on fract		22.9	67%			29502	63.8%
									23.6	67%				
									24.7	41%			24.6	
									25.5	93%			29503	82.0%
									26.4	69%				
									27.1	73%			29504	73.7%
									28.4	90%				
									29.0	63%			29505	61.3%
									29.7	67%				
									30.6	73%			28.6	
									31.4	70%				
									32.6	50%			33.6	
30							33.38 cov on fract							





HOLE NO.: PC-11

COLLAR ELEV.:

COORDINATES: 6100

INCLINATION: -90°

GROUND ELEV.:

N. 12,000 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: June 3/75

DATE FINISHED: June 6/75

TOTAL DEPTH: 188.37m

PAGE NO.: 4 of 12

REF. TO CLAIM CORNER: Poplar #1

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
	SERICITE	SILICA	ARGILLIC											
64								95.2%						
65							<p>at 65.62 qtz vnt with tr cpy</p> <p>at 65.69,</p> <p>at 63.4 alteration although of same intensity has a different appearance; the silicification predominantly perv appears as fg qtz grains bound in a sericite matrix</p>			66.5	100%		29516	99.9%
							<p>to mdy in qtz vnt, 68.43</p>			69.5	97%		29517	97.2%
70							<p>72.39, massive pyr vnt</p>			72.5	102%		29518	102.0%
										75.6	101%		29519	101.0%
75							<p>76.81, 6 cm massive pyr-qtz vnt</p>			78.6	101%		29520	101.0%

HOLE NO.: PC-11

PROJECT: POPLAR

PAGE NO.: 5 of 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 3/75

REF. TO CLAIM CORNER: Poplar #11

COORDINATES: 6100

N. 12,000 E.

DATE FINISHED: June 6/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 188.37m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY/HOLE 95.2%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	SERICITE	SILICA	ARGILLIC											
79														
80	30%	60%		Weak			81.54 - 102.41 DYKE aphanitic, dark grey to buff dyke with white sericitized feld phenos (cg) and vfg feld laths and green lath shaped phenos in the matrix; qtz eyes are very minor; matrix is dotted with vfg black specks of spec. horn, cut by some gyps vnlts some of which have bleached selvages		8%	81.7	77%		29521	77.0%
				Mod						83.1	89%		29522	90.2%
										84.7	92%		29523	90.2%
85				Weak			at 83.47 dyke pale green with zones of bright red horn stain; contains vfg phenos of feld and a dark green pheno as well as 3% qtz eyes; one fresh pheno of biotite noted			87.5	98%		29524	98.0%
	50%?	60%?								90.7	93%		29525	93.0%
90				Moderate						92.7	101%		29526	99.2%
										93.9	96%		29527	





HOLE NO.: PC-11

PROJECT: POPLAR

PAGE NO.: 7 of 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 3/75

REF. TO CLAIM CORNER: Poplar #11

COORDINATES: 6100 N. 12,000 E.

DATE FINISHED: June 6/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 188.37m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERICITE	SILICA	ARGILLIC											
109								95.2%		109.1				
110									8%		98%		29531	97.7%
													111.6	
							at 122.23, feld phenos pink; matrix also slightly pink, qtz vns becoming prominent. feld white again at 123.60 grading into zones of pink and white feld.			112.2	101%		29532	100.4%
													114.6	
115										115.2	101%		29533	101.0%
													117.6	
									5%	118.3	102%		29534	101.8%
													120.6	
120										121.3	93%		29535	98.4%
													123.6	

50%  
60%

Weak

5%

NGWL

HOLE NO.: PC-11

COLLAR ELEV.:

COORDINATES: 6100 N. 12,000 E.

INCLINATION: -90°

BEARING:

GROUND ELEV.:

PROJECT: POPLAR

DATE STARTED: June 3/75

DATE FINISHED: June 6/75

TOTAL DEPTH: 188.37 m

PAGE NO.: 8 OF 12

REF. TO CLAIM CORNER: Poplar #1 FK

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION		FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERIKITE	SILICA											
124									24.4				
125										100%		29536	98.1%
									127.4			29537	100.0%
										100%		29538	98.6%
130									130.5			29539	98.9%
										101%		29540	100.7%
135									136.6				
										102%			

from 133.91 - 135.03 rock massive, green and slightly sheared

135.03 - fold phenos visible again, white pink, sericitized

Weak

Moderate

5%

NGWL

HOLE NO.: PC-11

PROJECT: POPLAR

PAGE NO.: 9 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 3/75

REF. TO CLAIM CORNER: Poplar #1 F

COORDINATES: 6100

N. 12,000 E.

DATE FINISHED: June 6/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 188.37 m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 95.2%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	
	SERICITE	SILICA	ARFVILLIC												
139										137.6			29541	100.7%	
140				Mod.			lightly sheared, light grey, feld phenos white, vague to nonexistant			142.7	100%		29542	100.7%	
145	30%	60%				feld phenos reappear but are vaguer blending into a light grey to slightly pink sericite-silica groundmass				145.7	97%		147.6	29543	98.1%
150				Weak						147.6	101%		147.6	29544	99.5%
										148.7	98%		150.6	29545	99.1%
										151.8	98%		153.6	29545	98.0%

5%

NGWL

HOLE NO.: PC-11

COLLAR ELEV.:

COORDINATES: 6100

INCLINATION: -90°

GROUND ELEV.:

N. 12000 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: June 3/75

DATE FINISHED: June 6/75

TOTAL DEPTH: 188.37m

PAGE NO.: 10 OF 12

REF. TO CLAIM CORNER: Poplar # 1 F.

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERICITE	SILICA	ARGILLIC										
154							95.2%						
155						<p>from 154.53, rock pink, felds phenos and groundmass with much qtz vining; cpy vt. and dissem throughout; at 157.58 feld white, groundmass light grey</p>			154.5	98%		29546	98.0%
						<p>to 176.48 zones and patches of pink feld, pink matrix mixed with white feld in light grey matrix; cpy usually prefers very silicious patches in the pink coloured sections; biotite phenos become more obvious but still completely altered to brown clay and/or large flakes of sericite; occ. cpy along biotite partings</p>			157.9	101%		29547	99.7%
160	30%	60%		Weak		<p>~155.5 5cm massive pyr &amp; qtz vnt</p> <p>~158.96, 2cm gyps vnt, pink</p>			159.6	101%		29548	101.0%
									160.9	101%		29549	101.0%
165	20%	70%							164.0	101%		29550	99.4%
									167.0	101%		29551	99.4%

HOLE NO.: PC-11

PROJECT: POPLAR

PAGE NO.: 11 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 3/75

REF. TO CLAIM CORNER: Poplar # 1

COORDINATES: 6100 N. 12,000 E.

DATE FINISHED: June 6/75

SCALE: 1cm = 1m

INCLINATION: -90° BEARING:

TOTAL DEPTH: 188.37 m

LOGGED BY: UGM

SECTION	ALTERATION		FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY.	
	SERICITE	SILICA												
169							95.2%							
170	20%	70%				<p>at 176.48 rock goes from feld porph into vague feld porph with pale green feld phenos in a light green grey matrix (sericite-silica) to a massive textureless pale green grey rock with patches of black spec hem; grades back to light grey feld porph</p>		170.1				29551	100.0%	
								177.1	102%				29552	101.5%
175								174.6	101%				29553	100.5%
								176.2	100%				29562	100.5%
								172.2	100%				29554	100.9%
180	30%	60%										29555	101.1%	
												180.6		
												183.6		

HOLE NO.: PC-11

PROJECT: POPLAR

PAGE NO.: 12 of 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 3/75

REF. TO CLAIM CORNER: Poplar # 1

COORDINATES: 6100 N. 12,000 E.

DATE FINISHED: June 6/75

SCALE: 1cm = 1m

INCLINATION: -90° BEARING:

TOTAL DEPTH: 188.37

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE 95.2%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. CAMP INT
	SERICITE	SILICA	ARGILLIC											
184														
185	30%	60%		Weak					5%	185.3	98.1%	NBWL	29556	95.9%
188													29557	98.0%
													188.4	

HOLE NO.: PC-12

PROJECT: POPLAR

PAGE NO.: 1 OF 16

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 5/75

REF. TO CLAIM CORNER: Poplar # 3

COORDINATES: 6093 N. 11576 E.

DATE FINISHED: June 10/75

SCALE: 1cm = 1m

INCLINATION: -60° BEARING: 065°

TOTAL DEPTH: 230.73 m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: 2 dip tests at 550 + 750 casing left in hole	AVE CORE RECY/HOLE 93.2%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.	
	SERIKITE	SILICA	ARGILLIC	BIOTITE												
0																
.61							STICKUP									
3.35							OVERBURDEN									
5							BIOTITE FELDSPAR PORPHYRY light greenish grey with vague feld phenos same colour as matrix, black biot. phenos, 3% mag. dissem, and a tr. of chl. Some K-spar vning and as selvages, most sulfides cpy (ratio 3:1) and most dissem. Some cov noted at 8.53, fract's slightly rusty to 9.45; rock appears to be fairly fresh. silica alteration as vns only; some qtz vnts carry copper									
10	10%	20%	5%	5%	Weak		~1mm cpy-pyr vnt ~1cm qtz vnt ~1/2 cm mag-epy vnt									
15					Moderate		~frags of qtz vn at least 3 cm wide with cpy ~qtz vn 1cm wide ~qtz vnts with kspar ~16.0, 2mm cpy-pyr vnt ~2cm qtz vnt with cpy									
										3%	5.2	67%		9.4		
											7.0	35%		6.4	29685	
											7.5	75%		6.4	29686	
											10.7	117%		6.4	29687	
											12.2	65%		6.4	29688	
											13.7	88%		6.4	29689	
											14.3	100%		6.4	29690	
											16.5	88%		6.4	29691	
														6.4	29692	
														6.4	29693	
														6.4	29694	
														6.4	29695	
														6.4	29696	
														6.4	29697	
														6.4	29698	
														6.4	29699	
														6.4	29700	

HOLE NO.: PC-12

PROJECT: POPLAR

PAGE NO.: 2 of 16

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 5/75

REF. TO CLAIM CORNER: Poplar # 3

COORDINATES: 6083

N. 11,576 E.

DATE FINISHED: June 10/75

SCALE: 1cm = 1m

INCLINATION: -60°

BEARING: 065°

TOTAL DEPTH: 230.73 m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	SERICITE	SILICA	ARGILLIC	BIOTITE											
17								<p>~ 2cm qtz vnt with py</p> <p>~ 17.98 1mm cpy seam</p> <p>Cov. on fract at 21.64</p>	93.2%						
20	10%	20%			5%			<p>~ 1/2 cm wide carb vnt with qtz frags</p> <p>~ 1cm wide qtz-pyr vnt</p> <p>from 24.38 - 26.52, rock getting more altered, bleached out; black biot. phenos gone; rock pale green with feld phenos quite visible and also green; no mag.</p>		17.0	92%		18.4		
								<p>at 26.52 - 28.04 rock dark green, generally textureless but occ a dark green feld pheno visible; 3% mag.</p>		20.4	93%		24.6	24.6	92.7%
								<p>at 26.52 - 28.04 rock dark green, generally textureless but occ a dark green feld pheno visible; 3% mag.</p>		21.6	92%		22.9	21.4	87.9%
								<p>28.04 - 30.79 as 24.38 - 26.52.</p>		22.9	94%		24.4	24.4	87.9%
								<p>30.79 - BFP, very altered with pale green, sericitized feld phenos and black biotite phenos in a siliceous light green grey matrix; cut by qtz vns carrying cpy; 3% mag; tr. cov. on fract; minor k-spar with qtz vning; grades into BFP at 3.35 - 24.38 grading back to rock at 24.38 - 26.52</p>		24.4	80%		25.0	25.0	87.9%
25	30%	50%						<p>~ 2cm gouge zone</p> <p>~ 27.43 1cm cpy vnt</p> <p>~ 1cm cpy vnt</p> <p>~ 27.74 1cm pyr vnt with much cpy</p> <p>~ 28.9, 1/2 cm cpy vnt</p>		25.0	9%		25.6	25.6	98.6%
								<p>~ 2cm gouge zone</p>		25.6	113%		26.8	26.8	98.6%
								<p>~ 1/2 cm qtz vnt with cpy + k-spar</p>		26.8	100%		27.3	27.3	70.0%
										27.3	67%		27.4	27.4	70.0%
										27.6	67%		27.4	27.4	70.0%
										28.8	38%		29.3	29.3	75.9%
										31.7	90%		31.7	31.7	75.9%
										31.7	71%		31.7	31.7	75.9%



HOLE NO.: PC-12

PROJECT: POPLAR

PAGE NO.: 3 OF 16

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 5/75

REF. TO CLAIM CORNER: Poplar # 3

COORDINATES: 6083 N. 11,576 E.

DATE FINISHED: June 10/75

SCALE: 1 cm = 1 m

INCLINATION: -60° BEARING: 065°

TOTAL DEPTH: 230.73 m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 93.2%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMPLE INT.
	SERIKITE	SILICA	ARGILLIC	BIOTITE											
33															
	20%	60%		3%			33.3 - zebra vning, white gtz vntls separated by black mag vntls	at 39.32 back to BFP as at 3.35 - 24.38; no Kspar			33.3	78%		33.4	
35							→ 36.12, 1mm cpy vnt				35.1	85%		29695	70.3%
	50%	50%		1%			→ 1/2 cm gtz vnt with cpy	at 44.20 - 44.96 biot phenos gone, rock pale green with no text to pale green feld phenos sericitized.			37.2	51%		29696	72.9%
40					Moderate			at 44.96 back to BFP as at 3.35 - 24.38; no Kspar			39.3	77%		29697	84.0%
	20%	60%		3%							40.5	100%		29698	108.8%
											41.2	58%		29699	95.6%
											41.8	58%			
											42.1	100%			
											43.6	108%			
											44.2	92%			
45											45.7	103%			
							→ much cpy on fract				46.3	79%			
											97%	79%			

HOLE NO.: PC-12

COLLAR ELEV.:

COORDINATES: 6083

N. 11,576 E.

INCLINATION: -60°

BEARING: 065°

PROJECT: POPLAR

DATE STARTED: June 5/75

DATE FINISHED: June 10/75

TOTAL DEPTH: 230.73 m

PAGE NO.: 4 OF 16

REF. TO CLAIM CORNER: Poplar #3

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERICITE	SILICA	AMPHIBOLIC	BIOTITE											
47	20%		20%	3%			at 47.55 BFP grades into a rock with very distinct feld phenos, white altered to clay sericite with black biot. phenos in a light brown grey matrix; some feld phenos light green	93.2%							
50	40%	50%					at 49.07 rock grades into a pale green colour with vague, roundish green feld phenos, no biot phenos								
58	10%		10%		Moderate		at 51.2 specks of moly dissem in core.								
60	5%						51.36 - 87.17 Q.F.P DYKE starts with a very jagged finger of dyke poking into feld porphi; brown with 3mm white feld phenos and gte eyes; no cte measurable so serrate; from 51.51 - 52.58 hybrid zone, pale green with pale green sericitized feld phenos. at 52.58 dyke proper, light buff with 1-2 mm feld phenos altered to clay and gte eyes; cte of dyke proper appears to be 10-15%; some feld phenos pale green. oec fracte have a pale green (epidote green) selvage - cause or mineral unknown.								

→ 48.31 1cm wide  
gte vntt  
→ 48.6 spy in gte vntt  
1/2 cm wide

→ rock slightly ground

→ gte vntt all carry spy + mag

→ lightly sheared

NGWL

HOLE NO.: PC-12

PROJECT: POPLAR

PAGE NO.: 5 OF 16

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 5/75

REF. TO CLAIM CORNER: Poplar # 3

COORDINATES: 6083

N. 11, 576 E.

DATE FINISHED: June 10/75

SCALE: 1cm = 1m

INCLINATION: -60°

BEARING: 065°

TOTAL DEPTH: 230.73 m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERICITE	SILICA	ARGILLIC											
62								93.2%						
							QFP DYKE							
							at 62.79 - 64.62 dyke stained a pink colour, feld phenos predominantly pale epidote green but composed mainly of sericite			64.3	103%		134	
65							at 64.62 dyke turns pale green colour			65.2	107%		29705	100.6%
							at 69.95, 70.10 and 70.71, matrix of dyke a med grey							
										68.0	81%		29706	89.4%
70														
										71.0	99%		29707	99.5%
										74.1	100%		29708	100.4%
										75.4	101%		29709	99.9%
										76.8				

10%

5%

Weak

Nil

NGWL



HOLE NO.: PC-12

PROJECT: POPLAR

PAGE NO.: 7 OF 16

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 5/75

REF. TO CLAIM CORNER: Poplar #3

COORDINATES: 6083 N. 11,576 E.

DATE FINISHED: June 10/75

SCALE: 1cm = 1m

INCLINATION: -60° BEARING: 065°

TOTAL DEPTH: 230.73m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERICITE	SILICA	ARGILLIC	BIOTITE											
92								1cm qtz vnt with cpy	93.2%		92.1				
98					Moderate					3%	93.3	88%		93.4	
								at 102.11 - 103.02 virtually fresh BFP as at 88.09			92.6	85%			
								103.02 - 103.19 as at 87.17 - 88.09							
					Weak			at 103.18 - 103.33 BRECCIA consists of feld porph frags and 'tuff?' frags in BFP matrix; feld porph frags have pale green feld phenos; tuff? frags are textureless and occ. perv. biotized.			96.6	94%		96.4	93.3%
								103.33 as 87.17 - 88.09							
								1/2 cm qtz vnt with maly							
100								100.13 - qtz vntls with a pink silicified selvage 3 cm wide							
								101.19, 1mm cpy vnt							
								102, 3 cm pink, siliceous zone as like selvage at 100.13 (K-spar?)							
								102.57 - K-spar vnt							
								103.02, 1mm cpy vnt							
105					Moderate			lightly sheared							
								1/2 cm qtz vnt with cpy							





HOLE NO.: PC-12

PROJECT: POPLAR

PAGE NO.: 10 of 16

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 5/75

REF. TO CLAIM CORNER: Poplar #3

COORDINATES: 6083 N. 11,576 E.

DATE FINISHED: June 10/75

SCALE: 1cm: 1m

INCLINATION: -60° BEARING: 065°

TOTAL DEPTH: 230.73 m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	SERICITE	SYLICA	MAGNETIC	BIOTITE											
137								from 137.62 - 137.77 rock extremely black, felted mass of eg. biotite flakes with 1-4 mm clots of cpy and pyr.			137.4			137.4	
140	20%	60%		10%			139.60, 1cm carb vnt with sphal	142.34 - 155.75 FELDSPAR PORPHYRY light grey with fg feld as irreg, white sericitized spots in a sil-ser matrix; cte. at 70° to c/A abrupt and only very slightly sheared.			141.4	93%		141.4	29730 93.0%
				1%			141.58 7cm milky white gtz vn with tuff frags.								
145					Weak		143.87, 1/2 cm gtz vnt with moly	{ from 144.48 - 149.66 box dumped; rock couldn't be pieced together well			144.5	99%		144.4	29731 99.0%
								from 144.48 as above only biot. phenos present							
	30%	50%		1%			146.61, 1cm carb-gtz vnt with sphal; also at 146.9	at 148.44 - 148.59 piece of tuff? as 126.95 - 142.34			147.5	102%		147.4	29732 101.9%
								at 149.66 green, sericitized phenos also present							
150											150.6			150.4	29733 100.1%
											151.5	100%		151.5	29734 96.8%



HOLE NO.: PC-12

COLLAR ELEV.:

COORDINATES: 6083

INCLINATION: -60°

GROUND ELEV.:

N. 11,576 E.

BEARING: 065°

PROJECT: POPLAR

DATE STARTED: June 5/75

DATE FINISHED: June 10/75

TOTAL DEPTH: 230.73 m

PAGE NO.: 11 OF 16

REF. TO CLAIM CORNER: Poplar # 3

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 93.2%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERPENTINE	SILICA	ARGILLIC	BIOTITE										
152							~152.4 1/2 cm qtz vnt							
	30%	50%					~154.5 cpy in qtz vnt's ~155 - moly on fract.			154.5	45%		153.4	
155	20%	60%					~155.91 1/2 cm qtz vnt' with moly				98%		156.4	29735 96.9%
				3%			as 142.34 - 155.75, upper etc. however has eg black biotite phenos; also eg biot. phenos from 158.65 - 159.26			157.6			156.4	29736 98.6%
160	30%	50%			Weak		~160.93 1cm qtz moly vnt.				99%		158.4	29737 98.4%
							~162.61 1cm qtz moly vnt			160.6			162.4	29738 98.0%
	30%	50%					~164.90 - 165.6 DYKE as dyke at 163.22 - 163.83 only rare qtz eye present.			163.7			163.4	29739 95.2%
165							~165.6 2 1/2 cm qtz vnt with cpy & moly			165.7			165.4	
							165.6 - FELDSPAR PORPHYRY as 142.34 - 155.75; green phenos more noticeable			166.7				

HOLE NO.: PC-12

COLLAR ELEV.:

COORDINATES: 6083

INCLINATION: -60°

GROUND ELEV.:

N. 11,576 E.

BEARINGS: 065°

PROJECT: POPLAR

DATE STARTED: June 5/75

DATE FINISHED: June 10/75

TOTAL DEPTH: 230.73 m

PAGE NO.: 16 OF 16

REF. TO CLAIM CORNER: Poplar #

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	
	SERKITE	SILICA	ARGILLIC	BIOTITE												
167	30%	6%	11%	Weak				93.2%								
170				Weak			<p>from 175.11 - 176.33 most feld porph. text gone; rock med green colour bx'd by numerous Qtz-carb vnt's; may be some tuff frags also or else extremely altered feld porph; matrix also contains much spec hem; cpy + moly dissem throughout.</p> <p>-169.47, 1mm cpy. vnt</p>			169.2	93%		169.1	29740	95.7%	
175				Moderate			<p>-171.76, 1cm Qtz vnt with moly</p> <p>-172.6, 1cm Qtz vnt with moly</p> <p>176.33 - 181.66 as 142.54 - 155.75</p> <p>181.66 - 183.03 grading into fresh looking BFP. med grey with indistinct feld. phenos; black biot phenos</p>			172.8	98%			174	29741	95.9%
180				Weak			<p>-175.72, 1/2 cm buff carb vnt with frags</p> <p>-177.24, 1mm cpy, hem vnt</p>			175.9	94%			174	29742	95.5%
										178.9	97%			174	29743	96.0%
										180.0	75%			180	29744	96.4%





HOLE NO.: PC-12

PROJECT: POPLAR

PAGE NO.: 15 OF 16

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 5/75

REF. TO CLAIM CORNER: Poplar #3

COORDINATES: 6083 N. 11,576 E.

DATE FINISHED: June 10/75

SCALE: 1cm = 1m

INCLINATION: -60° BEARING: 065°

TOTAL DEPTH: 230.73 m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP INT.
	SERICITE	SILICA	ARGILLIC	BIOTITE											
212									93.2%						
							<p>at 213.1, 2mm cpy moly vnt</p> <p>moly in most gtz vnts - some cpy also</p>				212.5	98%		213.4	
215							<p>at 216.56, 1cm gtz vn with 3/4 x 2 1/2 cm glob of cpy</p>				215.5	100%		216.4	98.6%
	30%	50%			Weak		<p>from 225.25 feld. porph strongly perv. silicified; dense green grey rock with thick (1-2 cm) gtz vns and with only vague white sericitized feld phenos left, to black biot. phenos; gtz vns carry much cpy - little dissem.; almost resembles fresh BFP.</p>				219.5	99%	NQWL	219.4	99.7%
220							<p>at 226.32 same as 142.34 - 155.75 only more pervasively silicified.</p>				221.6	99%		222.4	97.4%
							<p>at 223.11, 1/2 cm massive pyr vnt</p> <p>1/2 cm massive pyr vnt</p> <p>2 1/2 cm gtz vn</p>				224.6	93%		224.4	94.3%
225	20%	60%										98.7%	225.4	98.7%	

HOLE NO.: PC-12

COLLAR ELEV.:

COORDINATES: 6083

INCLINATION: -60°

GROUND ELEV.:

N. 11,576 E.

BEARING: 065°

PROJECT: POPLAR

DATE STARTED: June 5/75

DATE FINISHED: June 10/75

TOTAL DEPTH: 230.73 m

PAGE NO.: 16 OF 16

REF. TO CLAIM CORNER: Poplar #3

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SERICITE	SILICA	ARGILLIC	BIOTITE											
227	20%	60%		2%	Weak				93.2%						
								at 227.38 - 227.69 feld porph with white, distinct sericitized feld phenos and black biot. phenos in a light grey silica sericite matrix		5%	227.7	101%	NGWL	29760	101.0%
														230.7	

HOLE NO.: PC-13

PROJECT: POPLAR

PAGE NO.: 1 of 10

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 7/75

REF. TO CLAIM CORNER: Poplar # 15

COORDINATES: 6200 N. 11,900 E.

DATE FINISHED: June 9/75

SCALE: 1 cm = 1 m

INCLINATION: -90° BEARING:

TOTAL DEPTH: 160.93 m

LOGGED BY: UGH

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 94.3%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERICITE	SILICA	ARGILLIC	BIOTITE											
0								DESCRIPTIVE GEOLOGY							
.61								STICKUP							
21.0								OVERBURDEN						21.0	
22.9								TRICONED							
23								22.9 - BIOTITE FELDSPAR PORPHYRY						22.9	
25								very altered by weathering; feld phenos white totally altered to clay, biotite phenos → sericite; matrix light grey composed of clay-silica; tr. pyr; fract rusty to 30.48 ∴ in some sections pyr completely rusted out; oct on pyr on fract? (black min coating pyr)			24.1	96%		29614	96.6%
								only lim after pyr = pyr			25.9	97%		29615	
								from 28.65 - 37.19 fr cov. on pyr on fract.			27.4	68%		29616	68.9%
								28.96 rust after pyr vnlts			28.8	69%		29617	68.7%
								at 29.87 biotite phenos becoming increasingly altered to a brown clay sericite; phenos back again at 31.09			29.9	81%		29618	82.0%
								30.1 lim on pyr vnlts			31.5	90%		29619	87.5%
30											33.4	100%		29620	100%

HOLE NO.: PC-13

PROJECT: POPLAR

PAGE NO.: 2 of 10

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 7/75

REF. TO CLAIM CORNER: Poplar #15

COORDINATES: 6200

N. 11,900 E.

DATE FINISHED: June 9/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 160.93 m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 94.3%	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	
	SERICITE	SILICA	ARGILLIC	BIOTITE												
34																
35																
								at 36.43 azurite blue mineral along fract			34.9			34.9		
											36.0	88%		29618	81.9%	
											37.5	78%				
											38.3	55%		329		
											39.0	103%		29619	81.9%	
40	10%	40%	40%	3%				at 40.54 feld phenos taking on slightly greenish cast			40.5	73%				
														40.9		
														29620		
								at 45.11 feld porph text less distinct - phenos blending into groundmass; biotite phenos less common;			42.1	105%				
														29621		
											43.6	100%		43.9		
											44.2	83%				
											45.1	97%		29621	102.1%	
45																
	20%	50%	20%	1%							47.2	107%		46.9		
														29622		
											48.5	96%		98.5%		







HOLE NO.: *PC-13*PROJECT: *POPLAR*PAGE NO.: *5* OF *10*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: *June 7/75*REF. TO CLAIM CORNER: *Poplar # 15*COORDINATES: *6200* N. *11,900* E.DATE FINISHED: *June 9/75*SCALE: *1cm = 1m*INCLINATION: *-90°*

BEARING:

TOTAL DEPTH: *160.93m*LOGGED BY: *UGM*

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.	
	SERICITE	SILICA	ARGILLIC	BIOTITE											
77								<i>94.5%</i>							
80							<i>at 78.03 feld white again</i>				<i>98%</i>		<i>77.9</i>		
										<i>41.7</i>			<i>29633</i>	<i>96.4%</i>	
							<i>at 84.73 feld begin to fade into matrix appear as vague, roundish sericite spots in a light grey to brown silica sericite matrix; black biotite phenos back again; rock also has a very altered biotite pheno → brown clay and/or sericite; rock also dotted with black areas that may be the fresher biot. completely replaced by sericite and spec horn; occ rare zone of perv biot.</i>			<i>44.7</i>	<i>94%</i>		<i>82.9</i>	<i>29634</i>	<i>94.4%</i>
85	<i>20%</i>	<i>60%</i>			<i>Weak</i>								<i>55.9</i>	<i>29635</i>	<i>94.2%</i>
										<i>67.8</i>	<i>95%</i>		<i>88.9</i>	<i>29636</i>	<i>94.8%</i>
													<i>91.9</i>	<i>29637</i>	<i>96.5%</i>
90					<i>3%</i>					<i>82.8</i>	<i>93%</i>				
											<i>98%</i>				
										<i>93.9</i>					



HOLE NO.: FC-13

COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 6200 N. 11,900 E.

INCLINATION: -90° BEARING:

PROJECT: POPLAR

DATE STARTED: June 7/75

DATE FINISHED: June 9/75

TOTAL DEPTH: 160.93 m

PAGE NO.: 7 OF 10

REF. TO CLAIM CORNER: Poplar # 15

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.	
	SERICITE	SILICA	ARGILLIC	BIOTITE												
109									94.3%		107.1					
110								109.12 - as at 84.73								
				3%								93%		109.9	29643	95.1%
								at 112.78, flesh coloured 1 1/2 cm gyps vnt			112.2					
								at 117.65 BIOTITE PORPHYRY? or very altered BFP? dense, med grey to green grey matrix with extremely vague white to green feld phenos, and black biot phenos				102%		112.9	29644	99.4%
115	20%	60%		Trace	weat						115.2			115.9	29645	92.6%
										3%		91%	NGWL	117.3	29646	98.8%
											118.3			118.9	29647	98.5%
120				2%				at 122.23, opy in 1mm pyr vnt				99%		121.9		

HOLE NO.: PC-13

COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 6200

N. 11,900 E.

INCLINATION: -90°

BEARING:

PROJECT: POPLAR

DATE STARTED: June 7/75

DATE FINISHED: June 9/75

TOTAL DEPTH: 160.93

PAGE NO.: 8 of 10

REF. TO CLAIM CORNER: Poplar #15

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE		% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SERICITE	SILICA	ARGILLIC	BIOTITE					94.3%							
124																
125								from 127.41 as at 58.83, only black biot. phenos gone after 128.32; return at 133.5 increasing and becoming somewhat perv at 137.77, at this point rock changes to BFP as at 117.65								
				2%								101%		29648		100.3%
												96%		29649		95.6%
130	30%	50%			Weak			lightly sheared				93%		29650		91.9%
												85%		29676		87.0%
135				1%				136.55, 2cm shear - gyps with				95%		29677		95.6%











HOLE NO.: PC-14

PROJECT: POPLAR

PAGE NO.: 3 of 10

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 11/75

REF. TO CLAIM CORNER: Poplar # 3

COORDINATES: 6075 N. 11,375 E.

DATE FINISHED: June 14/75

SCALE: 1 cm = 1 m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 153.92 m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SERICITE	SILICA	ARGILLIC											
39								95.7%						
40							from 47.40 - 57.30 pink colour appearing fairly frequently in feld phenos and in matrix			40.8	87%		29770	89.9%
										42.1	98%		29771	96.3%
										45.1	96%		29772	91.0%
										48.2	92%		29773	95.6%
										50.9	97%		29774	94.1%
										52.6	99%			
50							49.53, 1cm massive py rath							

ALTERATION

SERICITE

SILICA

ARGILLIC

FRACTURING

MINERAL

GEOLOGY

COMMENTS:

AVE CORE REC'Y / HOLE

95.7%

% SULPHIDES

DRILLING INTERVAL

% CORE RECOVERED

CORE SIZE

SAMPLE INTERVAL

% REC'Y SAMP. INT.

DESCRIPTIVE GEOLOGY

from 47.40 - 57.30 pink colour appearing fairly frequently in feld phenos and in matrix

30%

50%

Weak

Moderate

8%

NQWL

49.53, 1cm massive py rath

HOLE NO.: PC-14

PROJECT: POPLAR

PAGE NO.: 4 OF 10

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 11/75

REF. TO CLAIM CORNER: Poplar # 3

COORDINATES: 6075 N. 11,375 E.

DATE FINISHED: June 14/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 153.92 m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	
	SERPICITE	SILICA	ARGILLIC												
54								85.7%							
55							from 57.30, pale green dots fairly common - former mafic phenos? very irreg. in shape and completely sericitized all tr of pink along fract selvages			54.3	88%			29775	87.3%
										57.2	86%			29776	86.4%
60				Weak			-60.35, pyr vlt (3mm) with pink min in selvages			59.7	95%			29777	94.7%
	30%	50%								62.9	88%			29778	95.4%
										64.3	81%			29779	87.5%
65				Very Strong			-65.30, 2cm white xln calcite vlt			66.5	102%			29780	
										67.9	61%			29781	

HOLE NO.: PC-14

PROJECT: POPLAR

PAGE NO.: 5 of 10

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 11/75

REF. TO CLAIM CORNER: Poplar #3

COORDINATES: 6075 N. 11,375 E.

DATE FINISHED: June 14/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 153.92 m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	SERICITE	SILICA	ARGILLIC											
69								85.7%						
70	30%	50%		Moderate to			at 68.88 - 73.15 rock spotted with dark grey, c.g. sericite-silica patches very irreg. in shape			71.0	71%		29780	75.8%
	20%	60%					at 71.93, a few lath-shaped pale green phenos, sericitized			71.9	100%		29781	79.0%
75	90%	50%		strong			at 72.09 - 72.54 feld phenos occ pink, sericitized.			72.5	82%		29782	79.0%
							at 72.54 - 72.54 feld phenos occ pink, sericitized.			73.3	69%		746	
							at 73.15 rock changes to a dense, almost textureless, med grey with vague white sericitized feld phenos, + f.g.			73.7	85%		29782	85.8%
							at 74.22 as 11.6 - only rock spotted again with the irreg dark grey patches which are composed of c.g. pale green sericite flakes			74.7	100%		77.6	
80				Moderate						77.7	83%		29783	89.2%
										77.9	93%		29783	89.2%
										78.0	93%		29784	93.5%
										82.0	94%		83.6	

HOLE NO.: PC-14

PROJECT: POPLAR

PAGE NO.: 6 of 10

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 11/75

REF. TO CLAIM CORNER: Poplar #3

COORDINATES: 6075 N. 11,375 E.

DATE FINISHED: June 14/75

SCALE: 1cm: 1m

INCLINATION: -90° BEARING:

TOTAL DEPTH: 153.92m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE. CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT	
	SERICITE	SILICA	ARGILLIC	BIOTITE												
84									95.7%							
85	20%	60%			Mod S M		at 84.13 - 85.34 as at 73.15 ... 85.34 - 95.40 v.fg. qtz eyes noted				84.7			85.3	29785	92.5%
	30%	50%					at 89.92 - 92.35 as at 73.15 save perv. brown biot in matrix now present, also some cg. white feld phenos also present as well as the fg. feld phenos, qtz eyes are also present. there is also a minor amt of vfg biot phenos also. at 91.29 4x4 cm clot that looks like an inclusion with a 10% black biot phenos				87.2	81%		88.6	29786	87.0%
90	20%	60%			Weak		at 92.35 - 97.84 as at 74.22 95.40 - pink feld and matrix as selvages along some pyr vults 96.93 - brown, vfg biot phenos all altered to brown clay				90.2	91%		89.6	29787	89.5%
					3% Weak						92.4	87%		92.6		
	30%	50%										101%		95.4	29788	96.9%
95	20%	60%			Weak Strong		~94.7 1cm massive pyr vult, ground up				95.4	61%		95.2	29789	74.5%
							at 97.84 - rock changes slightly. matrix more silicified and has a pink- brown colour otherwise same as 74.22				96.3	99%		96.9		
														96.6		



HOLE NO.: PC-14

COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 6075

N. 11, 375 E.

INCLINATION: -90°

BEARING:

PROJECT: POPLAR

DATE STARTED: June 11/75

DATE FINISHED: June 14/75

TOTAL DEPTH: 153.92 m

PAGE NO.: 8 OF 10

REF. TO CLAIM CORNER: Poplar # 3

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 85.7%	SULPHIDES %	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SERICITE	SILICA	ARGILLIC										
114	↑	↑	↑	W		<p>feld porph matrix now light grey, very siliceous, feld phenos white, distinct and altered to clay-ser; mg phenos; minor amt of green, sericite clots present; also feld a pale pink from 125.50</p> <p>~121.17, 1/2 cm gtz intt with moly</p> <p>~125.27, 3mm gtz intt with moly</p>							
115	↑	↑	↑	↑			15.2	83%		29795	75.9%		
	↑	↑	↑	↑			116.0	60%		11.6			
	↑	↑	↑	↑			112.7	77%		29796	37.7%		
120	↑	↑	↑	↑			117.6	15%		11.6			
	↑	↑	↑	↑			120.7			29797	58.1%		
	↑	↑	↑	↑			123.4	83%		123.6			
	↑	↑	↑	↑			123.4	83%		29798	83.0%		
	↑	↑	↑	↑			126.5			125.6			
125	↑	↑	↑	↑			126.5	83%		29799	83.0%		



HOLE NO.: PC-14

COLLAR ELEV.:

COORDINATES: 6075

INCLINATION: -90°

GROUND ELEV.:

N. 11,375 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: June 11/75

DATE FINISHED: June 14/75

TOTAL DEPTH: 153.92 m

PAGE NO.: 9 OF 10

REF. TO CLAIM CORNER: Poplar #3

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y CAMP INT
	SERICITE	SILICA	ARGILLIC	BIOTITE											
129									85.7%						
130	20%	60%					at 129.85 and 130.15 inclusions, pink grey 4x4 and 4x2 cm, aphanitic				129.5			29800	85.1%
							at 131.99 inclusion, 4x4 cm, green grey with tiny clots of dark green sericite, (altered biot.?)					86%			
							from 132.28 - matrix gets darker grey, occ fresh black biot. pheno most altered to chlorite; feld phenos very distinct white altered to clay-ser; rock grades into fresh BFP at 133.20 - 133.35 with some k-spar? in matrix; rock almost black				132.6		94%	29801	91.3%
135	20%	70%		1%			from 133.35 - 136.55 as 132.28 - 133.35, occ 4cm zone of BFP; some feld phenos med green; also some k-spar? throughout				135.6		94%	29802	94.0%
							from 136.55 - as 110.4 - 132.28						94%		
													94%	29803	94.6%
													95%	29804	93.7%
140											141.7				

-136.86, 2mm grt vn with moly

NGWL

HOLE NO.: *PC-14*PROJECT: *POPLAR*

PAGE NO.: 10 OF 10

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: *June 11/75*REF. TO CLAIM CORNER: *Poplar #3*COORDINATES: *6075* N. *11,375* E.DATE FINISHED: *June 14/75*SCALE: *1cm = 1m*INCLINATION: *-90°*

BEARING:

TOTAL DEPTH: *153.92m*LOGGED BY: *UGM*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.	
	SERICITE	SILICA	ARGILLIC												
144								<i>85.7%</i>							
145										<i>144.8</i>	<i>97.1%</i>		<i>29805</i>	<i>95.4%</i>	
							<i>~146.6, 1cm white carb. matt</i>			<i>147.8</i>			<i>46.6</i>	<i>29806</i>	<i>97.0%</i>
150	<i>80%</i>	<i>70%</i>		<i>Weak</i>					<i>5%</i>		<i>97%</i>	<i>19W/L</i>	<i>44.6</i>	<i>29807</i>	<i>98.1%</i>
							<i>~151.18, only on fract</i>			<i>150.9</i>	<i>99%</i>		<i>15.6</i>	<i>29808</i>	<i>99.0%</i>
													<i>153.9</i>		



HOLE NO.: PC-14

PROJECT: POPLAR

PAGE NO.: 2 OF 10

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 11/75

REF. TO CLAIM CORNER: Poplar #3

COORDINATES: 6075 N. 11,375 E.

DATE FINISHED: June 14/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 153.92 m

LOGGED BY: UJM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAND INIT	
	SERIKITE	SILICA	ARGILLIC												
24								85.7%							
25				Weak			<p>the darker gray more silicified zones carry a pink coloured mineral (L-spar?) in these zone felds are generally almost entirely obliterated.</p>			24.4	79%		29765	83.3%	
				Moderate						27.1			26	29766	87.9%
				Very Strong						28.7				29766	87.9%
	20%	60%								29.6	50%		28	29767	89.1%
			5%							30.5	56%			29767	89.1%
				Mod						31.4	89%			29767	89.1%
										32.3	116%			29767	89.1%
										32.9	108%			29768	90.9%
	30%	50%		Weak						36.0	99%			29769	95.7%
35										37.1				386	

HOLE NO.: PC-14

PROJECT: POPLAR

PAGE NO.: 3 of 10

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 11/75

REF. TO CLAIM CORNER: Poplar # 3

COORDINATES: 6075 N. 11,375 E.

DATE FINISHED: June 14/75

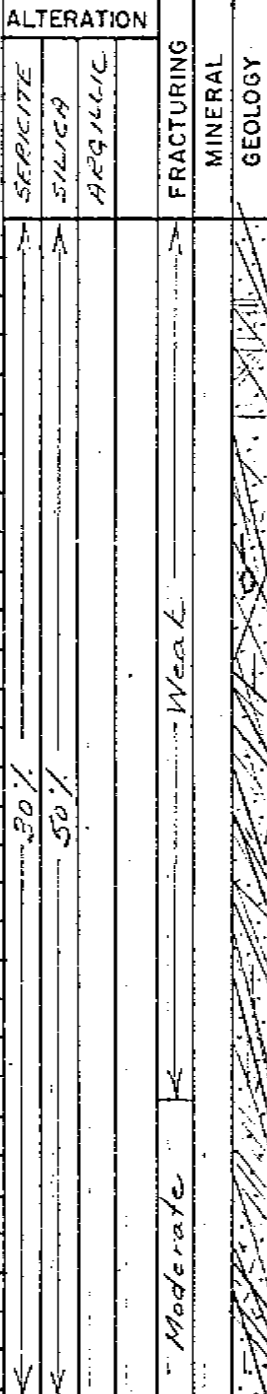
SCALE: 1 cm = 1 m

INCLINATION: -90° BEARING:

TOTAL DEPTH: 153.92 m

LOGGED BY: UGM

SECTION	ALTERATION		FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SERICITE	SILICA											
39							85.7%						
40						from 47.40 - 57.30 pink colour appearing fairly frequently in feld phenos and in matrix			40.8	87%		29770	88.9%
									42.1	98%		29771	96.3%
									45.1	96%		29772	91.0%
									48.2	90%		29773	95.6%
									50.9	97%		29774	94.1%
50						49.53, 1cm massive pyrite			52.6	99%			
									55.6	65%			



8%

NQWL

HOLE NO.: PC-14

PROJECT: POPLAR

PAGE NO.: 4 of 10

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 11/75

REF. TO CLAIM CORNER: Poplar #3

COORDINATES: 6075 N. 11,375 E.

DATE FINISHED: June 14/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 153.92 m

LOGGED BY: UGIM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 85.7%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERICITE	SILICA	ARGILLIC											
54	↑	↑	↑	↑						57.3				
55	↑	↑	↑	↑			from 57.30, pale green dots fairly common - former mafic phenos? very irreg. in shape and completely sericitized occ tr of pink along fract selvages				88%		29775	87.3%
										57.2			29776	86.4%
60							-60.35, pyr vlt (3mm) with pink min in selvages			59.7			29777	94.7%
										61.8			29778	85.4%
										64.3			29779	87.5%
65							-65.30, 2 cm white xln calcite vlt			66.5				
										69.0				
										71.9				

30%

50%

Weak

Very Strong

8%

NGWL

HOLE NO.: PC-14

COLLAR ELEV.:

COORDINATES: 6075

INCLINATION: -90°

GROUND ELEV.:

N. 11,375 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: June 11/75

DATE FINISHED: June 14/75

TOTAL DEPTH: 153.92 m

PAGE NO.: 5 OF 10

REF. TO CLAIM CORNER: Poplar #3

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	SERICITE	SILICA	ARGILLIC											
69								85.7%						
70	30%	50%		Moderate			at 68.88 - 73.15 rock spotted with dark grey, c.g. sericite-silica patches very irreg. in shape			71.0	71%		29780	75.8%
	20%	60%					at 71.93, a few lath-shaped pale green phenos, sericitized			71.9	100%		29781	79.0%
							at 72.09 - 72.54 feld phenos occ pink, sericitized.			72.5	82%		29781	
75				Strong			at 72.09 - 72.54 feld phenos occ pink, sericitized.			75.3	69%		29782	
							at 73.15 rock changes to a dense, almost textureless, med grey with vague white sericitized feld phenos, v.f.g.			76.7	85%		29782	85.8%
	50%	50%					at 74.22 as 11.6 - only rock spotted again with the irreg dark grey patches which are composed of c.g. pale green sericite flakes			77.7	100%		29783	
80				Moderate						78.9	83%		29783	89.2%
													29784	
										80.6	93%		29784	93.5%
										82.0			29784	
										83.6			29784	





HOLE NO.: PC-14

COLLAR ELEV.:

COORDINATES: 6075

INCLINATION: -90°

GROUND ELEV.:  
N. 11,375 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: June 11/75

DATE FINISHED: June 14/75

TOTAL DEPTH: 153.92 m

PAGE NO.: 7 OF 10

REF. TO CLAIM CORNER: Poplar #3

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 85.7%	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SERICITE	SILICA	ARGILLIC											
99										99.1				
100														
							109.88 - 110.4: DYKE pale green, aphanitic with extremely fg incipient feld laths and rare gtz eye			101.5	90%		29790	77.2%
										103.0	90%		29791	86.3%
105							110.4 - FELDSPAR PORPHYRY as at 97.84			105.3	93%		29792	86.3%
							~105.6, 1/2 cm white carb mlt							
							pyr forming 2cm rings			108.4	94%		29793	94.5%
110							DYKE			108.4	98%		29794	98.0%
										111.4	90%		29794	93.1%
										113.7				



HOLE NO.: PC-14

COLLAR ELEV.:

COORDINATES: 6075

INCLINATION: -90°

GROUND ELEV.:

N. 11,375 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: June 11/75

DATE FINISHED: June 14/75

TOTAL DEPTH: 153.92 m

PAGE NO.: 9 OF 10

REF. TO CLAIM CORNER: Poplar #3

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. CAMP INT
	SERICITE	SILICA	ARGILLIC	BIOTITE										
129								85.7%						
130	20%	60%					at 129.85 and 130.15 inclusions, pink grey 4x4 and 4x2 cm, aphanitic			129.5			29800	85.1%
							at 131.98 inclusion, 4x4 cm, green grey with tiny clots of dark green sericite, (altered biot.?)				86.1%		131.6	
135					Weak		from 132.28 - matrix gets darker grey, occ fresh black biot. pheno most altered to chlorite; feld phenos very distinct white altered to clay-ser; rock grades into fresh BFP at 133.20 - 133.35 with some k-spar? in matrix; rock almost black		5%	132.6		94%	29801	91.3%
	20%	70%					from 133.35 - 136.55 as 132.28 - 133.35, occ 4cm zone of BFP; some feld phenos med green; also some k-spar? throughout			135.6		94%	29802	94.0%
							from 136.55 - as 110.4 - 132.28						137.6	
										139.7		95%	29803	94.6%
140									8%	141.7		93%	29804	93.7%
													143.6	

-136.86, 2mm qtz  
vs with molty

NGWL

HOLE NO.: PC-14

COLLAR ELEV.:

COORDINATES: 6075

INCLINATION: -90°

GROUND ELEV.:

N. 11,375 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: June 11/75

DATE FINISHED: June 14/75

TOTAL DEPTH: 153.92m

PAGE NO.: 10 of 10

REF. TO CLAIM CORNER: Poplar #3

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT
	SERICITE	SILICA	ARGILLIC											
144								85.7%						
145										144.8	97%		29805	95.4%
							~146.6, 1cm white carb. matt			147.8	97%		46.6	
													29806	97.0%
													49.6	
150										150.9	99%		29807	98.1%
							~151.18, moly on fract						8.8	
													29808	99.0%
													153.9	

DESCRIPTIVE GEOLOGY

ALTERATION

SERICITE  
SILICA  
ARGILLIC

FRACTURING

MINERAL

GEOLOGY

COMMENTS:

AVE CORE REC'Y / HOLE  
85.7%

SULPHIDES  
DRILLING INTERVAL  
% CORE RECOVERED  
CORE SIZE  
SAMPLE INTERVAL  
% REC'Y SAMP. INT

20%  
70%  
Weak

Weak

Diagonal hatching pattern

~146.6, 1cm white carb. matt

~151.18, moly on fract

8%  
8%  
8%  
8%

97%  
97%  
97%  
99%

NGWL  
NGWL  
NGWL  
NGWL

29805  
46.6  
29806  
49.6  
29807  
8.8  
29808  
153.9

95.4%  
97.0%  
98.1%  
99.0%

HOLE NO.: PC-15.

PROJECT: POPLAR

PAGE NO.: 1 OF 11

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 14/75

REF. TO CLAIM CORNER: Poplar #3

COORDINATES: 5300

N. 11,400 E.

DATE FINISHED: June 16/75

SCALE: 1 cm = 1 m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 152.71 m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.
	SERICITE	SILICA	BIOTITE											
0								95.2%						
.61							STICKUP							
3.7							OVERBURDEN							
4							3.7 - 13.4 SILTSTONE? ARGILLITE? TUFF?							
5							light green grey, waxy feeling, textureless cut by numerous darker zones which appear to be slightly more silicified areas, also some of these darker rock areas may be a siltier variety of rock - appear to be fairly uniform dipping at 50-55° to c/A			4.9	71%		37	
10	30%	50%		Moderate			at 11.6, frags?; one frag? very round buff and shows geopetal structure; also minor grey siltstone frags?			5.8	69%		29809	75.7%
							biotite colours rock black and is perv;			1.7	122%		6.7	
							14.02 - 14.33, fault zone, rock ground into small frags held together by gouge.			7.3	100%		7.7	
										9.5	15%		29810	66.6%
													9.7	
										11.6	94%		29811	103.1%
										12.5	131%		12.7	
										13.4	64%		29812	88.5%
										14.0	150%			
										14.6	38%			
15				Weak						15.7	98%		15.7	

-10.06, moly in 1/2 cm carb vnt

-tr spy in vert pyr vnt as well as moly on fract

-moly in qtz vnt (1/2 cm wide)

HOLE NO.: PC-15

PROJECT: POPLAR

PAGE NO.: 2 of 11

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 14/75

REF. TO CLAIM CORNER: Poplar #3

COORDINATES: 5800 N. 11,400 E.

DATE FINISHED: June 16/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 152.71 m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SERICITE	SILICA	BIOTITE											
16							-16.15, 1mm moly smear on fract	95.2%						
							13.41 - 30.48 SILTSTONE							
							light grey, v.f.g. qtz grains bound by sericite matrix; at 17.37 buff colour with med grey spots of same comp. spots gone at 17.98 back to light grey siltstone; numerous fract. coated with green sericite		2%	17.7			29813	99.7%
20							from 26.82 - 29.26 spotted again as at 17.37. spots larger and more irregular in shape. at 28.65 rock has pink streaks in matrix			20.4	103%		29814	105.2%
							-1cm carb vnt with pyr, with qtz frags tr cpy						29815	105.6%
							-24.38 cpy on fract		5%	23.8	108%		29816	99.7%
28							-24.84 1/2 cm pyr vnt with tr. cpy						29817	75.5%
							-27.74 4mm pyr vnt with cpy			35.6	100%		29818	99.7%
							-small gouge zone with some ground pyr - most pyr intact			27.4	100%		29819	99.7%
30							} fault zone - core not recovered			29.3	97%		29820	75.5%
									3%					

NQWL



HOLE NO.: PC-15

PROJECT: POPLAR

PAGE NO.: 4 of 11

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 14/75

REF. TO CLAIM CORNER: Poplar #3

COORDINATES: 5800

N. 11,400 E.

DATE FINISHED: June 16/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 152.71 m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.
	SERICITE	SILICA	BIOTITE											
60								95.2%						
55	30%	50%		Weak			<p>1mm moly vntt</p> <p>buff coloured tuff by 1mm to 1/2cm bands of dark grey to green grey all dipping 40-45° to c/a - bedding? as orange-red colour</p> <p>49.07, 49.38 cpy on fract.</p> <p>53.19, 6cm gtz vnt</p> <p>py vntt with cpy</p> <p>57.52, cpy in pyr vntt</p>							
				Moderate					5%					
										57.9	101%		29823	99.7%
										51.1	96%		29824	97.4%
										54.1	103%		29825	101.0%
										55.5	93%		29826	96.8%
										57.6	98%		29827	101.0%
										59.7				



HOLE NO.: PC-15

PROJECT: POPLAR

PAGE NO.: 5 OF 11

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 14/75

REF. TO CLAIM CORNER: Poplar #3

COORDINATES: 5800 N. 11,400 E.

DATE FINISHED: June 16/75

SCALE: 1cm = 1m

INCLINATION: -90° BEARING:

TOTAL DEPTH: 152.71m

LOGGED BY: UGM

SECTION	ALTERATION		FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SERICITE	SILICA											
61						61 - 62.18 BRECCIA ZONE frags of above tuff in a white carb matrix, frags arg and of variable size	95.2%		62.2	80%		29828	890%
			Mod			62.18 - 65.53 TUFF as above			65.1	98%		29829	98.0%
65			Weak			65.53 - 67.06 SPOTTED TUFF as at 17.37.			67.1	98%		29830	87.9%
	30%	50%	Strong			67.06 - 76.20 TUFF as above but with occ section as at 17.37			68.8	79%		29831	88.2%
70									70.3	93%		29832	93.2%
			Weak						72.5				
75									75.6				

5% NGWL

HOLE NO.: PC-15

COLLAR ELEV.:

COORDINATES: 5800

INCLINATION: -90°

GROUND ELEV.:

N. 11,400 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: June 14/75

DATE FINISHED: June 16/75

TOTAL DEPTH: 152.71 m

PAGE NO.: 6 OF 11

REF. TO CLAIM CORNER: Poplar # 3

SCALE: 1 cm = 1 m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SERICITE	SILICA	ARGILLIC											
76	30%	50%	5%				76.20 - 106.84 FELDSPAR PORPHYRY fg. feld phenos, altered to clay, white in a white - med grey sil-ser matrix with green sericite clots and occ biot pheno altered to clay; rock contains dark grey spots just as the spotted tuff	95.2%		77.6	98%		29833	98.0%
90	20%	60%					at 90.16 rock turns a dark grey with white feld phenos becoming very distinct. green ser. clots above are very altered mafics			91.7	98%		29834	98.0%
85	20%	60%					at 84.73 rock grades back to 76.20 - 80.16			84.7	101%		29835	101.0%
	50%	50%	5%							86.6	83%		29836	82.6%
	50%	50%	5%							87.7	82%		29837	92.2%
90	50%	50%	5%							89.0	100%		29837	92.2%

78.94 1cm xlln  
white carb vint

core missing -  
appears to be  
a shear zone

88.85 2 1/2 cm  
mass pyr vint  
with cpy

Heat

NGWL

HOLE NO.: PC-15

PROJECT: POPLAR

PAGE NO.: 7 OF 11

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: June 14/75

REF. TO CLAIM CORNER: Poplar #3

COORDINATES: 5800

N. 11,400 E.

DATE FINISHED: June 16/75

SCALE: 1cm = 1m

INCLINATION: -90°

BEARING:

TOTAL DEPTH: 152.71

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SERICITE	SILICA	MAGNETIC											
91	80%	50%	5%				massive pyr vnlt 1/2-1cm thick	95.2%	10%	92.1			29838	98.9%
95							~94.18, white xln carb vnlt			95.1	98%		29839	99.1%
100	20%	60%		Weak			~99.82, 4cm wide gte pyr vnlt, gtz xln + vuggy		8%	97.2	100%		29840	101.0%
							~101.19 mass 1x1 cm blebs opy			101.2	102%		29841	102.0%
105							blob of pyr with tr 94			104.2	98%		29842	100.0%



HOLE NO.: PC-15

COLLAR ELEV.:

COORDINATES: 5800

INCLINATION: -90°

GROUND ELEV.:

N. 11,400 E.

BEARING:

PROJECT: POPLAR

DATE STARTED: June 14/75

DATE FINISHED: June 16/75

TOTAL DEPTH: 152.71m

PAGE NO.: 9 of 11

REF. TO CLAIM CORNER: Poplar # 3

SCALE: 1cm = 1m

LOGGED BY: UGM

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SERICITE	SILICA	BIOTITE											
121	30%	50%					124.51 - 125.58 FELDSPAR PORPHYRY as 76.20 - 106.84. matrix a brownish grey; feld only, 1x1 mm; pink streaks throughout	95.2%		121.2	96%		29848	95.2%
125	20%	60%				- 4py in pyr moly	125.58 - 128.17 TUFF as above			124.4			29849	95.2%
	30%	50%					128.17 - 128.48 FELDSPAR PORPHYRY as above			127.4	95%		29850	95.2%
	20%	60%				- 128.17, pyr, moly moly 2 mm wide	128.48 - 138.53 TUFF as above			127.4	99%		29851	98.1%
130	30%	50%								130.5	99%		29852	99.6%
135	30%	50%								133.5	99%		29853	99.3%

HOLE NO.: *PC-15*PROJECT: *POPLAR*PAGE NO.: *10* OF *11*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: *June 14/75*REF. TO CLAIM CORNER: *Poplar #3*COORDINATES: *5800* N. *11,400* E.DATE FINISHED: *June 16/75*SCALE: *1cm = 1m*INCLINATION: *-90°*

BEARING:

TOTAL DEPTH: *152.71 m*LOGGED BY: *UGM*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SERIKITE	SILICA	BIOTITE											
136	50%	50%						95.2%		136.6	107%		29853	104.3%
							138.53 - 139.2 DYKE pale pink except at cks where it is pale green; aphanitic with incipient feld laths; occ very irreg shaped feld? amygdale? no gte eyes noted; no sulphides			139.2			29854	99.8%
140	20%	60%					- heavily pyritized zone 26% 9 cm			140.3	98%		29855	99.1%
				Weak						144.2	100%		29856	97.8%
145	30%	50%								147.2	97%		29857	97.8%
										147.7	102%			
150										150.3				

HOLE NO.: *PC-15*

PROJECT: *POPLAR*

PAGE NO.: *11* of *11*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: *June 14/75*

REF. TO CLAIM CORNER: *Poplar #3*

COORDINATES: *5800* N. *11,400* E.

DATE FINISHED: *June 16/75*

SCALE: *1cm = 1m*

INCLINATION: *-90°*

BEARING:

TOTAL DEPTH: *152.71m*

LOGGED BY: *UGM*

SECTION	ALTERATION		FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC. SAMP. INT.
	SERICITE	SILICA											
<i>151</i>							<i>95.2%</i>						
<i>152</i>	<i>80%</i>	<i>50%</i>	<i>Wear</i>			<i>minor py in pyr-calc with</i>		<i>5%</i>		<i>107%</i>	<i>199WL</i>	<i>152.7</i>	<i>107.0%</i>
												<i>29858</i>	





Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 5686 Map 2



5586  
 MAP 2

UTAH MINES LTD.  
 CORPORATION DEPARTMENT  
 OF MINES AND PETROLEUM RESOURCES

POPLAR PROPERTY

DIAMOND DRILL HOLE LOCATIONS

Map No.	5586	Scale	1:50,000
Drawn by	C. Davidson	Date	May 1955
Reviewed		NTS	Map
		E-6	

