

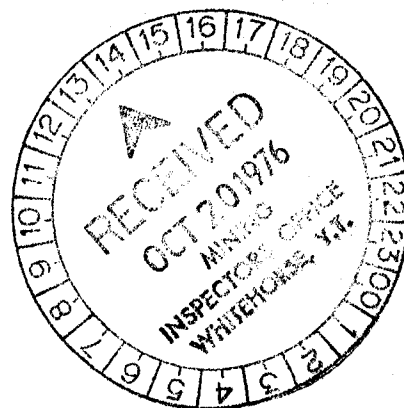


REPORT ON THE
 DIAMOND DRILLING EXPLORATION
 OF THE
 SM CLAIMS
 WHITEHORSE MINING DISTRICT, YUKON
 NTS 105 C-13

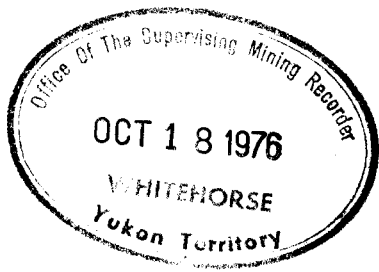
BY

E.D. CRUZ, P.Eng.

EXPLORAM MINERALS LTD.



091107



This report has been examined by the Geological Evaluation Unit and is recommended to the Chief Assessor to be considered as representation work in the amount of \$ _____

District Geologist or
Resident Mining Engineer

Considered as representation work under
Section 53 (4) Yukon Quartz Mining Act.

Commissioner of Yukon Territory

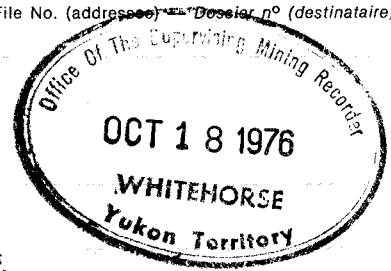


FROM DE Mining Recorder, Whitehorse, Yukon

File No. (originator) — Dossier n° (source) 340-13-2

TO A Supervising Mining Recorder Whitehorse, Yukon

File No. (addressee) — Dossier n° (destinataire)



Subject - Objet

Diamond Drilling SM Mineral Claims Exploram Minerals Ltd.

Total expenditure per attached invoices \$39,925.08

Require support of \$ 3200.00 to renew above claims.

Handwritten signature of B.E. Sias

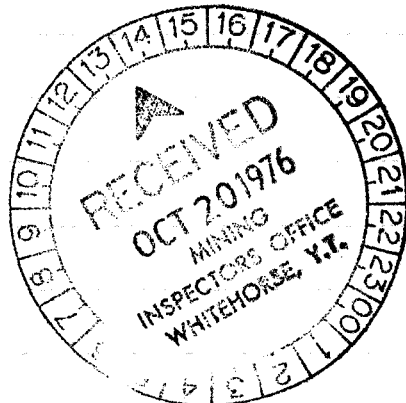
Signature B.E. Sias

Date 05/10/76

Reply - Réponse

7540-21-029-0717

CGSB STANDARD FORM 59



Signature

Date



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name) CARL C. KAMM Occupation MINING ENGINEER
 (Postal Address) EXPLORAM MINERALS LTD.
1004-510 W. HASTINGS ST., VANCOUVER, B.C.
V6B 1L8

MAKE OATH AND SAY, THAT:-

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Y90712 SM2 CLAIM 259' DIAMOND DRILLING
Y90715 SM5 CLAIM 741' DIAMOND DRILLING

situated at LATITUDE 60°59'N LONGITUDE 133°46'W Claim Sheet No. 105 C 13

in the WHITEHORSE Mining District, to the value of at least \$40,000.00

dollars, since the 17th day of AUGUST 19 76

to represent the following mineral claims under the authority of Grouping Certificate No. 67602/R24051

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

<u>Y90711</u>	<u>SM1</u>	<u>4 YEARS REQUESTED</u>	<u>WM 40112 165-7-80</u>
<u>Y90712</u>	<u>SM2</u>	<u>4</u>	<u>" "</u>
<u>Y90713</u>	<u>SM3</u>	<u>4</u>	<u>" "</u>
<u>Y90714</u>	<u>SM4</u>	<u>4</u>	<u>" "</u>
<u>Y90715</u>	<u>SM5</u>	<u>4</u>	<u>" "</u>
<u>Y90716</u>	<u>SM6</u>	<u>4</u>	<u>" "</u>
<u>Y90717</u>	<u>SM7</u>	<u>4</u>	<u>" "</u>
<u>Y90718</u>	<u>SM8</u>	<u>4</u>	<u>" "</u>

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

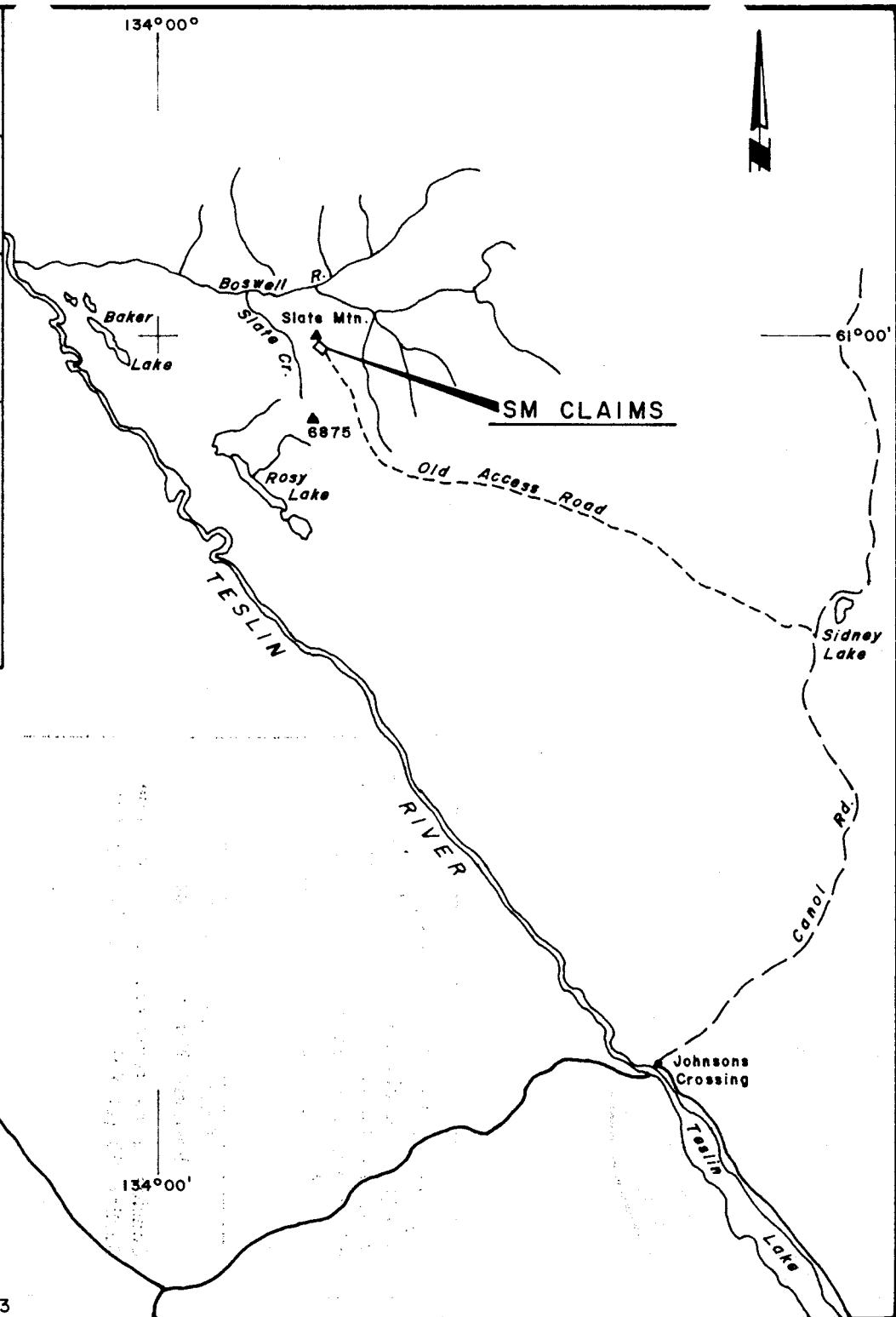
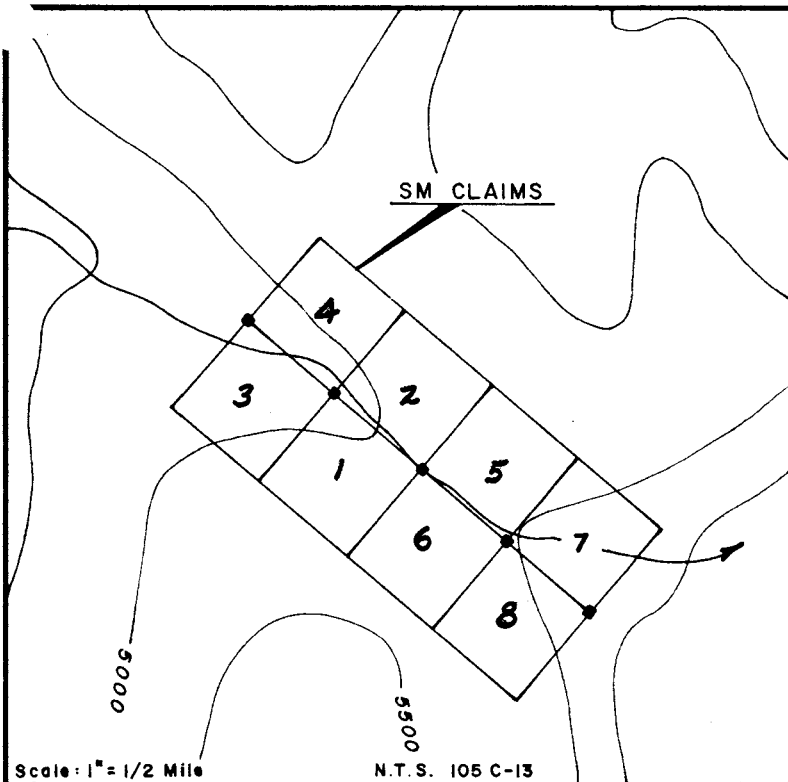
DIAMOND DRILLING THREE HOLES TOTALLING 1000 FEET WITH BQ WIRELINE BY ARTIC DIAMOND DRILLING LTD.
TRANSPORTATION BY TRANS NORTH TURBO AIR (1971) LTD. OF ALL MEN AND EQUIPMENT.
THE WORK COMMENCED AUGUST 17, 1976 AND WAS COMPLETED SEPTEMBER 5, 1976.

Sworn before me at VANCOUVER, B.C.

this 17th day of SEPTEMBER 19 76

Carl Kamm
Applicant.

Notary Public
Notary Public in and for the Province of British Columbia



□ WHITEHORSE

ALASKA

HIGHWAY

EXPLORAM MINERALS LTD.
WHITEHORSE MINING DIVISION
YUKON TERRITORY

LOCATION MAP
SM CLAIM GROUP

DRAWN BY: T.M. *Approved: E.A.C.*

DATE: SEPT. 22, 1976

SCALE: 1:500,000

FIG. 1

N.T.S. 105 C-13

DB-17

REPORT ON THE
DIAMOND DRILLING EXPLORATION
OF THE SM CLAIMS

A diamond drilling exploration program on the SM claims of El Paso Mining and Milling Co. was undertaken by Exploram Minerals Ltd. during the period from August 18 to September 5, 1976. The program was supervised by E.D. Cruz, P.Eng., assisted by D.M. Basco, geologist. Drilling was done by Arctic Diamond Drilling Ltd. of Whitehorse, Y.T.

The purpose of the program was to verify the presence of massive lead-zinc deposit of the Faro-Swim Lake-Vangorda type indicated by previous geochemical survey by El Paso personnel.

A total footage of 1,000 feet was drilled in three holes producing BQ size core.

LOCATION AND ACCESS

The claims are situated near Slate Mountain about 48 airmiles north-east of Whitehorse, Y.T. Present access is by helicopter from Whitehorse.

Transportation of drilling machine and equipment was by fixed wing aircraft from Whitehorse to Rosy Lake, thence by helicopter from Rosy Lake to the claims. Rosy Lake is 43 airmiles from Whitehorse and about 8 miles from the property (See drawing No. 1).

PREVIOUS WORK

This property of 8 full-sized mineral claims was staked for El Paso Mining and Milling Co. by W. Kuhn on August 30, 1974.

On July 21 to August 1, 1975, El Paso personnel conducted a program of geological mapping, geochemical soil sampling and very low frequency electromagnetic survey. The above work indicated a coincident silver-lead-zinc anomalous zone in a geologically potential environment for massive sulphide of the Faro-Swim Lake-Vangorda type.

It is the result of the above work and an examination of the property that led Exploram Minerals Ltd. to conduct this drilling program.

GEOLOGICAL SETTING

The claim area and its vicinity is underlain for the most part by graphitic argillaceous slate and phyllite with interbedded quartz-mica and quartz-chlorite schist (phyllite ?) of Mississippian age. The above formation forms a northwesterly trending anticlinal structure with its axis coincident with the narrow valley traversing the center of the claims. Drilling was confined to the northern side of this anticlinal structure.

DIAMOND DRILLING:

Three holes, the position of which was based primarily on results of two previous geochemical surveys by El Paso personnel, were drilled using a Longyear 38 model wireline rig.

Rocks encountered consisted mainly of graphitic argillaceous slate grading into graphitic phyllite with locally interbedded chlorite-sericite and quartz-sericite phyllite.

A brecciated zone made up of graphitic slate and phyllite fragments in graphitic matrix was intercepted by DDH 76-2 at 92'-307' and by DDH 76-3 at 148'-164'. The fragments which range from one millimeter to 1 inch are angular to subrounded varying from unaltered to highly silicified material. Some sections of the breccia are altered into quartz-rich material.

Mineralization was observed to be locally confined within the breccia. Minerals consist mainly of pyrite (up to 5%) with associated galena and sphalerite disseminations. Galena and sphalerite also occur as blebs along the rims of quartz-rich fragments, as stringers replacing quartz-carbonate veinlets and some quartz-rich sections of the brecciated host rock. No massive type occurrence was encountered.

Details are described on the accompanying log descriptions and on Drawings No. 2 and No. 3. The core is stored in boxes at the camp site at the NE corner post for claim SM 1.

Vancouver, B.C.
September 1976.


E.D. Cruz, P.Eng.

ARCTIC DIAMOND DRILLING LTD.
DAILY REPORT TIME SUMMARY

DD-17

Whitehorse, Y.T.
184 Industrial Rd.
Ph. 667-6434

JOB EXPLORATION LOCATION ROSIE LAKE RIG _____ DRILL MODEL 38 JOB # 7610

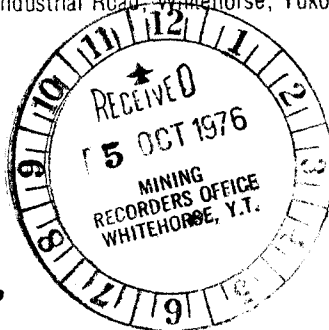
HOLE NO. 7601 x 90° x BQ

DATE	SHIFT	1		2		3		4		5		6		7		8		9		10		11		12		13		OVER BURDEN FT.	CORING FT.	REAMING CASING	CORE RECOVERED FT.				
		MEN	MACHINE	MEN	MACHINE	MEN	MACHINE	MEN	MACHINE	MEN	MACHINE	MEN	MACHINE	MEN	MACHINE	MEN	MACHINE	MEN	MACHINE	MEN	MACHINE	MEN	MACHINE	MEN	MACHINE	MEN	MACHINE								
Aug 18	D/S	45																																	
19	D/S	57																																	
20	D/S	40																																	
21	D/S	12																						0-28	28-31	0-12 NW	0-28 BW								
	N/S					2	1																												
22	D/S					6	3																												
	N/S					3	1 1/2																												
23	D/S					18	9																												
		154				29	14 1/2																	28	231	12 NW	14 BW								
HOLE: # 7602 x 55° x BQ																																			
Aug 23	D/S	16																																	
24	D/S	32																																	
25	D/S	2																						0-38		0-8 NW	0-38 BW								
	N/S																							-46	46-102	-48 BW									
26	D/S	4																																	
	N/S					3	1 1/2																												
27	D/S					4	2																												
	N/S																																		
28	D/S																																		
	N/S																																		
29	D/S	2																																	
	N/S																																		
30	D/S																																		
		56				7	3 1/2																		46	360									



ARCTIC DIAMOND DRILLING LTD.

184 Industrial Road, Whitehorse, Yukon Y1A 2V1 (403) 667-6434



INVOICE #1891
September 6, 1976

IN ACCOUNT WITH:

Exploram Minerals Ltd.,
1004 - 510 West Hastings Street,
Vancouver, B.C.
V6B 1H8

Drilling charges for the period August 18 to September 5/76

Mobilization

Moving into first set up
154 hours @ \$14.25 per hour = \$2,194.50

Hole: #7601 x 90° x BQ

Overburden

0 - 28 = 28 feet @ \$17.50 per foot = \$ 490.00

Reaming Casing

28 - 44 = 16 feet @ \$8.00 per foot = 128.00

Core Drilling

28 - 259 = 231 feet @ \$17.50 per foot = 4,042.50

Reaming Through Cave

29 man hours @ \$14.25 per hour = \$413.25

14½ machine hours @ \$8.00 per hour = 116.00

529.25 \$5,189.75

Hole: #7602 x 55° x BQ

Moving

56 man hours @ \$14.25 per hour = \$ 798.00

Overburden

0 - 46 = 46 feet @ \$17.50 per foot = 805.00

Reaming Through Cave

46 - 48 = 2 feet @ \$8.00 per foot = 16.00

Core Drilling

46 - 406 = 360 feet @ \$17.50 per foot = 6,300.00

Reaming Through Cave

7 man hours @ \$14.25 per hour = \$ 99.75

3½ machine hours @ \$8.00 per hour = 28.00

127.75

Using Mud

11 man hours @ \$14.25 per hour = \$156.75

5½ machine hours @ \$8.00 per hour = 44.00

11 bags Mud @ \$10.00 per bag = 110.00

8 bags Quik Trol @ \$7.37 each = 58.96

1 bag CC16 25.50

395.21 \$8,441.96

ARCTIC DIAMOND DRILLING LTD.

Page 2

Invoice #1891 - Exploram Minerals Ltd. - Cont'd

Hole: #7603 x 90° x BQMoving

8 man hours @ \$14.25 per hour = \$ 114.00 ✓

Overburden

0 - 16 = 16 feet @ \$17.50 per foot = 280.00 ✓

Reaming Casing

15 - 54 = 38 feet @ \$8.00 per foot = 304.00 ✓

Core Drilling

16 - 335 = 319 feet @ \$17.50 per foot = 5,582.50 ✓

Using Mud

9 man hours @ \$14.25 per hour = \$128.25 ✓

4½ machine hours @ \$8.00 per hour = 36.00 ✓

9 bags Mud @ \$10.00 per bag = 90.00 ✓

1 bag Quik Trol 7.37 ✓ 261.62 ✓ \$6,542.12 ✓Use of Camp Facilities

28 man days @ \$15.00 per day = \$ 420.00 ✓

Demobilization108 man hours @ \$14.25 per hour = \$1,539.00 ✓

TOTAL

\$24,327.33

Less Deposit

10,000.00 ✓

TOTAL INVOICE

\$14,327.33

10,000.00

10,000.00

TRANS NORTH TURBO AIR (1971) LTD.
 BOX 4330, WHITEHORSE, YUKON
 TELEPHONE (403) 668-5111 • TELEX 036-B-290

ACCOUNT NUMBER: 980
 12308

INVOICE DATE: 23 018 76

CHARTERER: **EXPLORAM MINERALS**

A/C TYPE: 206-B
 AIRCRAFT REGISTRATION C: FINID

FLIGHT DATE: 20 08 76

FUEL & OIL: TNTA 4.4, CUST. XY

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS. FREIGHT LBS.
XY				
SLATE MTN.				
LOCAL.		4.4		DRILL SET and MOVE

RECEIVED
 SEP 10 1976
 EXPLORAM MINERALS LTD,
 VANCOUVER OFFICE

SUB	G.L.	AMOUNT
112502		1430.00
112511		78.57

TERMS: EIGHTEEN PERCENT INTEREST PER ANNUM WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

WAITING TIME: @ 1/HR.

FUEL: 97 @ .81 /GAL. 78.57

MEALS & LODGING: *App'd COK 10 Sep '76*

CHARTERER'S SIGNATURE: *E.D. Cruz*

PILOT'S SIGNATURE: *[Signature]*

ENGINEER'S NAME: *B. CORNFIELD*

\$ 1508.57
 INVOICE

TRANS NORTH TURBO AIR (1971) LTD.
 BOX 4330, WHITEHORSE, YUKON
 TELEPHONE (403) 668-5111 • TELEX 036-B-290

ACCOUNT NUMBER: 980
 15472

INVOICE DATE: 21 18 76

CHARTERER: **EXPLORAM MINERALS**

A/C TYPE: 206B
 AIRCRAFT REGISTRATION C: FINID

FLIGHT DATE: 24 08 76

FUEL & OIL: TNTA 1, CUST. XY

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS. FREIGHT LBS.
WHITEHORSE				
SLATE MTN		3.8		DRILL HOUR FRET
WHITEHORSE				

RECEIVED
 AUG 25 1976
 EXPLORAM MINERALS LTD,
 VANCOUVER OFFICE

SUB	G.L.	AMOUNT
1106502		1235.00
1106511		17.82

TERMS: EIGHTEEN PERCENT INTEREST PER ANNUM WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

WAITING TIME: @ 1/HR.

FUEL: 22 @ .81 /GAL. 17.82

MEALS & LODGING: *App'd COK 10 Sep '76*

CHARTERER'S SIGNATURE: *[Signature]*

PILOT'S SIGNATURE: *[Signature]*

ENGINEER'S NAME: *[Signature]*

\$ 1252.82
 INVOICE

3121.29

Aug 27/76
TRANS NORTH TURBO AIR (1971) LTD.
 BOX 4338, WHITEHORSE, YUKON
 TELEPHONE (403) 668-5111 • TELEX 036-8-290

EXPLORAM MINERALS
 CHARTERER
 1004-510 W. Hastings
 BILLING ADDRESS
 Vancouver BC
 FROM
 WHS
 TO
 DRILL CAMP
 SHING MUD TANKS
 + MUD FROM ROSEY LAKE + RET WHS

ACCOUNT NUMBER 980
 19030
 INVOICE DATE 210 18 76
 AREA D.C. YUKON N.W.T. ALTA.
 A/C TYPE 206B AIRCRAFT REGISTRATION C TNT
 FLIGHT DATE 27 8 76
 PURCHASE ORDER NO.

FUEL & OIL-TNTA	TNTA FUEL USED	HRS.-GALS.	FROM
4	0.5	0.5 0.30	XY

SUB	G.L.	AMOUNT
11016	5012	552.50
11016	5111	8.91

TERMS: EIGHTEEN PERCENT INTEREST PER ANNUM WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

G.R. Green
 CHARTERER'S SIGNATURE
Ray V. L.
 PILOT'S SIGNATURE
Coen...
 ENGINEER'S NAME

ZONE	REMARKS - NO. OF PASS. - FREIGHT LBS.	MILES	HOURS
	RECEIVED SEP 1 1976 EXPLORAM MINERALS LTD. VANCOUVER OFFICE		1.7

WAITING TIME	/HR.	FUEL: /GAL.	AMOUNT
	@	1.81	8.91

MEALS & LODGING *App'd CCK 10 Sep '76*
 OTHER
 OTHER

HL \$ 561.41
 INVOICE

Aug 27/76
TRANS NORTH TURBO AIR (1971) LTD.
 BOX 4338, WHITEHORSE, YUKON
 TELEPHONE (403) 668-5111 • TELEX 036-8-290

EXPLORAM MINERALS
 CHARTERER
 1004-510 W. Hastings
 BILLING ADDRESS
 Vancouver BC
 FROM
 WHITEHORSE
 TO
 ROSEY LAKE
 WHITEHORSE

ACCOUNT NUMBER 980
 18187
 INVOICE DATE 210 18 76
 AREA D.C. YUKON N.W.T. ALTA.
 A/C TYPE DHC-2 AIRCRAFT REGISTRATION FJPM
 FLIGHT DATE 27 08 76
 PURCHASE ORDER NO.
 FUEL & OIL-TNTA
 TNTA FUEL USED 1.0 HR XY
 HRS.-GALS.
 FROM
 FROM
 WHS
 TO
 DRILL CAMP
 SHING MUD TANKS
 + MUD FROM ROSEY LAKE + RET WHS

SUB	G.L.	AMOUNT
11313	6012	130.00

TERMS: EIGHTEEN PERCENT INTEREST PER ANNUM WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

G.R. Green
 CHARTERER'S SIGNATURE
MR Luff
 PILOT'S SIGNATURE
 ENGINEER'S NAME

ZONE	REMARKS - NO. OF PASS. - FREIGHT LBS.	MILES	HOURS
	RECEIVED SEP 1 1976 EXPLORAM MINERALS LTD. VANCOUVER OFFICE	50	
		50	

WAITING TIME	/HR.	FUEL: /GAL.	AMOUNT
	@	1.30	130.00

MEALS & LODGING *App'd CCK 10 Sep '76*
 OTHER
 OTHER

HL \$ 130.00
 INVOICE

ACCOUNT NUMBER 980
 18102
 INVOICE DATE 18 19 76
 AREA B.C. YUKON N.W.T. ALTA.
 A/C TYPE BEAVER AIRCRAFT REGISTRATION 5PDM
 FLIGHT DATE 04 09 76
 PURCHASE ORDER NO.

EXPLORAM MINERALS
 CHARTERER
 Suite 1004 510 W. Hastings
 Vancouver B.C.
 TOTA FUEL USED 2.0 HRS.-GALS. XY

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS. - FREIGHT LBS.						
WHITEHORSE	50									
ROSEY LK.	50									
WHITEHORSE	50			1000 [#] FRT						
ROSEY LK.	50									
WHITEHORSE	50			1000 [#] FRT						
RECEIVED SEP 10 1976 EXPLORAM MINERALS LTD. VANCOUVER OFFICE										
<table border="1"> <thead> <tr> <th>SUB</th> <th>G.L.</th> <th>AMOUNT</th> </tr> </thead> <tbody> <tr> <td>133602</td> <td></td> <td>260.00</td> </tr> </tbody> </table>					SUB	G.L.	AMOUNT	133602		260.00
SUB	G.L.	AMOUNT								
133602		260.00								
		200	1.30	260.00						

TERMS: EIGHTEEN PERCENT INTEREST PER ANNUM WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 10 DAYS OF DATE ISSUED.

WAITING TIME @ /HR.
 FUEL: @ /GAL.
 FUEL: @ /GAL.
 MEALS & LODGING App'd cck 10 Sep '76
 OTHER
 OTHER

C. D. Gray CHARTERER'S SIGNATURE
[Signature] PILOT'S SIGNATURE
[Signature] ENGINEER'S NAME

\$ 260.00
 INVOICE

ACCOUNT NUMBER 980
 16698
 INVOICE DATE
 CHARTERER
 A/C TYPE OTTER AIRCRAFT REGISTRATION FSUB
 DAY MONTH YEAR
 FLIGHT DATE 04 09 76
 PURCHASE ORDER NO.

EXPLORAM MINERALS
 CHARTERER
 BILLING ADDRESS
 FUEL & OIL-TNTA FUEL USED 3.8 HRS.-GALS. XY

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS. - FREIGHT LBS.						
WH' MAYO	205		L							
WHITEHORSE	50		L							
ROSEY LK.	50		L							
WHITEHORSE	50		L							
ROSEY LK.	50		L							
WHITEHORSE	50		L							
ROSEY LK.	50		L							
WHITEHORSE	50		L							
ROSEY LK.	50		L							
WHITEHORSE	50		L							
ROSEY LK.	50		L							
WHITEHORSE	50		L							
RECEIVED SEP 10 1976 EXPLORAM MINERALS LTD. VANCOUVER OFFICE										
<table border="1"> <thead> <tr> <th>SUB</th> <th>G.L.</th> <th>AMOUNT</th> </tr> </thead> <tbody> <tr> <td>3156012</td> <td></td> <td>998.25</td> </tr> </tbody> </table>					SUB	G.L.	AMOUNT	3156012		998.25
SUB	G.L.	AMOUNT								
3156012		998.25								
		605	1.65	998.25						

TERMS: EIGHTEEN PERCENT INTEREST PER ANNUM WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

WAITING TIME @ /HR.
 FUEL: @ /GAL.
 FUEL: @ /GAL.
 MEALS & LODGING App'd cck 10 Sep '76
 OTHER
 OTHER

C. D. Gray CHARTERER'S SIGNATURE
[Signature] PILOT'S SIGNATURE
[Signature] ENGINEER'S NAME

\$ 998.25
 INVOICE

ACCOUNT NUMBER 980
 16699
 INVOICE DATE 17/9/76
 AREA B.C. YUKON N.W.T. ALTA.
 A/C TYPE OTTER AIRCRAFT REGISTRATION C. FSUB
 FLIGHT DATE 05/09/76
 PURCHASE ORDER NO.

EXPLORAM MINERALS
 CHARTERER

BILLING ADDRESS

FUEL & OIL-X	TNTA	CUST.	FROM	HRS.-GALS.	FROM
✓	3.1				

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS - FREIGHT LBS.
WHITEHORSE				
TO ROSY LK	50		L	
WHITEHORSE	50		L	
TO ROSY LK.	50		L	
WHITEHORSE	50		L	
TO MAYO.	205		L	

RECEIVED
 SEP 10 1976
 EXPLORAM MINERALS LTD.
 VANCOUVER OFFICE

SUB	G.L.	AMOUNT
135602		668.25

TERMS: EIGHTEEN PERCENT INTEREST PER ANNUM WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

G. A. Gray
 CHARTERER'S SIGNATURE
 Blawie
 PILOT'S SIGNATURE

WAITING TIME	@	/HR.	
FUEL:	@	/GAL.	
FUEL:	@	/GAL.	
MEALS & LODGING			App'd CCK 10 Sep '76
OTHER			
OTHER			

S.H.P.
 ENGINEER'S NAME

\$ 668.25
 INVOICE

ACCOUNT NUMBER 980
 16700
 INVOICE DATE 17/9/76
 AREA B.C. YUKON N.W.T. ALTA.
 A/C TYPE OTTER AIRCRAFT REGISTRATION C. FSUB
 FLIGHT DATE 05/09/76
 PURCHASE ORDER NO.

EXPLORAM MINERALS
 CHARTERER

Suite 1004 - 510 W. Hastings St
 BILLING ADDRESS
 Vancouver, B.C.

FUEL & OIL-X	TNTA	CUST.	FROM	HRS.-GALS.	FROM

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS - FREIGHT LBS.
WHITEHORSE				
TO ROSY LK.	50		L	
WHITEHORSE	50		L	

(@ BEAVER RATES)

RECEIVED
 SEP 10 1976
 EXPLORAM MINERALS LTD.
 VANCOUVER OFFICE

SUB	G.L.	AMOUNT
135602		130.00

TERMS: EIGHTEEN PERCENT INTEREST PER ANNUM WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

P. Hannel
 CHARTERER'S SIGNATURE
 Blawie
 PILOT'S SIGNATURE

WAITING TIME	@	/HR.	
FUEL:	@	/GAL.	
FUEL:	@	/GAL.	
MEALS & LODGING			App'd CCK 10 Sep '76
OTHER			
OTHER			

S.H.P.
 ENGINEER'S NAME

\$ 130.00
 INVOICE

15,560.75 3570.00

DIAMOND HILL RECORD

DD:17

PROPERTY SM CLAIMS SHEET NO.1..... OF HOLE NO. 76-1.....
 DRILLED BY: Arctic Drilling STARTED: August 21, 1976..... COMPLETED: ..Aug....23/76... LOGGED BY: D. Basco...
 LOCATION: 100+00 E, 51+40 N BEARING: DIP: ..90°.....
 ELEVATION: ..5000'..... FINAL DEPTH: ..259'.....

DEPTH	CORE RECOVERED	% REC.	INTERSECTION ANGLE	DESCRIPTION
0-31			Angle of foliation to core axis	Overburden
31-33.5	1.4	56	70°	Graphitic argillaceous slate. Dark grey, highly foliated, sparsely pyritic. Few small cubes of pyrite noted with some along foliation in parts. Thin stringers of quartz along slaty cleavage or foliation.
33.5-36	2.2	88	55°	Graphitic argillaceous slate, as above. At 33.5' is a 1-inch quartz vein along foliation carrying minor pyrite in cross-cutting veinlet.
36-41.5	2.8	50	50°	Graphitic argillaceous slate, as above. Black for the most part.
41.5-43	1.5	100	40°	Graphitic argillaceous slate, as above.
43-45	2.0	100	35°	Graphitic argillaceous slate. At 43'-44', fused, bleached, recrystallized to greenish white banded argillite.
45-49	2.2	55	35°	Graphitic argillaceous slate. Black, highly foliated, thin bands of quartz with minor pyrite along foliation.
49-53.5	3.0	67	25°-35°	Graphitic argillaceous slate, as above, but poorer in pyrite.
53.5-55	1.3	65		Graphitic argillaceous slate, fragmented.
55.5-57	1.5	100	35°	Graphitic argillaceous slate. Black, highly foliated, fragmented at 55.5'. Sparsely pyritic in parts.
57-62	5.0	100	35°	Graphitic argillaceous slate, as above. Crenulated folding involving quartz noted at 58' and 60.5'-61'. Few quartz veins and stringers carrying pyrite observed along foliation. Scattered pyrite dissemination.

DIAMOND HILL RECORD

DD-17

PROPERTY SM CLAIMS SHEET NO. 2 OF 4 HOLE NO. 76-1
 DRILLED BY: Arctic Drilling STARTED: August 21, 1976 COMPLETED: Aug. 23/76 LOGGED BY: D. Basco
 LOCATION: 100+00 E, 51+40 N BEARING: DIP: 90°
 ELEVATION: 5000! FINAL DEPTH: 259!

DEPTH	CORE RECOVERED	% REC.	INTERSECTION ANGLE	DESCRIPTION
52-67	5.00	100	20°	Graphitic Argillaceous Slate, dark grey to black, crenulated folding obtains. Fine quartz bands with minor pyrite along foliation. Schistose, crystalloblastic pyrite noted in parts. This section may be referred to as Graphitic Phyllite.
57-70.5	0.85	24	↑ Fault Zone ↓	Graphitic Argillaceous Slate. Fragmented. Maybe the beginning of a fault zone.
70.5-103	0.00	0.00		No recovery. Maybe a fault. No water return.
103-108	2.50	50		Graphitic Argillaceous Slate. Fragmented. No water return.
108-115	3.40	50	25°	Graphitic Argillaceous Slate. Schistose, gougy, phyllitic 110-115 wherein quartz-chlorite-sericite are developed within the fault zone. No water return.
115-121	3.50	58		Graphitic Argillaceous Slate. Fragmented, 1"-4" quartz in the fragments. No return water. Fault.
121-127	5.50	92	0°-10°	Graphitic Argillaceous Slate. Phyllitic, highly foliated, fine quartz along foliation with some cross-cutting. Very sparse pyrite. Folia, steep to vertical dip.
127-132	5.00	100	0°-10°	Graphitic Argillaceous Phyllite. Dark grey, highly foliated, fine quartz-carbonate streaks and stringers along foliation with minor cross-cutting, crystalloblastic pyrite sparsely distributed with some in quartz-carbonate filled folia.
132-137	5.00	100	0°-10°	Graphitic Argillaceous Phyllite, as above. Crenulated folding noted.
137-141	4.00	100	0°-10°	Graphitic Argillaceous Phyllite. Same as above.
141-147	6.00	100	0°-10°	Graphitic Argillaceous Phyllite. Same as above.

DIAMOND L. LI. RECORD

PROPERTY SM CLAIMS SHEET NO. 3 OF 4 HOLE NO. 76-1
 DRILLED BY: Arctic Drilling STARTED: August 21, 1976 COMPLETED: Aug. 23/76 LOGGED BY: D. Basco
 LOCATION: 100+00 E, 51+40N BEARING: DIP: 90°
 ELEVATION: 5000' FINAL DEPTH: 259'

DEPTH	CORE RECOVERED	% REC.	INTERSECTION ANGLE	DESCRIPTION
147-150	3.00	100	0°-10°	Graphitic Argillaceous Phyllite. Dark grey to black, speckled, highly foliated, quartz-carbonate filling folia with minor cross-cutting. Sparse pyrite in folia and scattered dissemination. Crenulated folding noted in parts.
150-153	1.00	33	0°-10°	Graphitic Argillaceous Phyllite. Broken. Fault?
153-157	4.00	100	0°-10°	Graphitic Argillaceous Phyllite. Same as 147-150. Bottom part in gradational contact with Chloritic Phyllite.
157-166.5	9.50	100	5°-20°	Chloritic Phyllite. Speckled light to greyish green, carbonate-filled foliation in chlorite-rich phyllite. Contacts gradational into overlying and underlying Graphitic Argillaceous Phyllite, probably derived therefrom.
166.5-185	18.5	100	0°-10°	Graphitic Argillaceous Phyllite. Same as 147-150 above.
185-186.5	1.50	100	0°-10°	Chloritic Phyllite. Same as 157-166.5 above.
186.5-198	11.0	100	0°-10°	Graphitic Argillaceous Phyllite. Same as 147-150 above, with crenulated folding quite common.
198-214	16.00	100	0°-10°	Chloritic Phyllite. Dark greyish green to green, graphitic, chlorite rich, minor quartz, abundant carbonate along foliation with sparse pyrite with some cross-cutting. Contacts gradational with overlying and underlying Graphitic Phyllite. Crenulated folding common.
214-219	4.00	80	0°-10°	Graphitic Argillaceous Phyllite. Same as 186.5-198 above.
219-226	7.00	100	0°-10°	Chloritic Phyllite. Greyish green, more or less graphitic, chlorite-rich, abundant carbonate filling foliation with some cross-cutting, sparse pyrite, crenulated folding common.

DIAMOND HILL RECORD

PROPERTY SM CLAIMS SHEET NO. 1 OF 8 HOLE NO. 76-2
 DRILLED BY: Arctic Drilling STARTED: August 25, 1976 COMPLETED: Aug. 30/76 LOGGED BY: D. Basco
 LOCATION: 106+40 E, 47+00 N BEARING: N25° E DIP: -55°
 ELEVATION: 5000' FINAL DEPTH: 406'

DEPTH	CORE RECOVERED	% REC.	INTERSECTION ANGLE	DESCRIPTION
0-38				Overburden
38-48.5	4.00	38	40°	Graphitic Argillaceous Slate. Black, highly foliated, sparsely pyritic, much fragmented.
48.5-59	3.15	30	40°-60°	Graphitic Argillaceous Slate. Same as above.
59-68	1.00	11		Graphitic Slate Fragments. Fragments show microbrecciation healed by subsequent plastic flow of graphitic matrix. A fragment at 68' exhibits small crenulation folding.
68-73	1.00	20		Graphitic Slate Fragments. Silicified with minor carbonate at 71.5'-73.0'.
73-77	1.50	38	50°	Graphitic Argillaceous Slate. Sparsely pyritic, minor quartz and carbonate partial replacement at 76'-77'.
77-82	1.00	20		Graphitic Slate Fragments.
82-92	3.00	30	30°-75°	Graphitic Argillaceous Slate. Fine carbonate with minor quartz along foliation common. Sparsely pyritic.
92-97	1.50	30		<u>Breccia Zone</u> : Graphitic Argillaceous Slate. Crushed, gougy, fault.
97-103	2.60	44		Graphitic Argillaceous Slate. Core show breccia structure healed by plastic flow of matrix.
103-107	2.40	60		Graphitic Argillaceous Slate. Same as 97-103 above.
107-108	0.00	0		No recovery.
108-112	0.90	23	40	Graphitic Argillaceous Slate. Broken core. Pyrite veins in some silicified fragments along foliation.
112-116	4.0	100	40-60	Graphitic Argillaceous Slate. Breccia structure healed by plastic flow discernible. Fine pyrite along foliation and as scattered disseminations. Some quartz and/or carbonate replacements observed.

DIAMOND DRILL RECORD

PROPERTY SM CLAIMS SHEET NO. 2 OF 8 HOLE NO. 76-2
 DRILLED BY: Arctic Drilling STARTED: August 25, 1976 COMPLETED: Aug. 30/76 LOGGED BY: D. Basco
 LOCATION: 106+40 E, 47+00 N BEARING: N 25° E DIP: -55°
 ELEVATION: 5000' FINAL DEPTH: 406'

DEPTH	CORE RECOVERED	% REC.	INTERSECTION ANGLE	DESCRIPTION
116-121	3.8	71	35°	Graphitic Argillaceous Phyllite. Drawn out breccia fragments healed by plastic flow discernible. Scarce to moderate pyritic. Partial to strong silicification observed at intervals. Crenulation folding common. Cross-cutting crenulation foliation noted in parts. At 117.5 few crystals of galena and fine brown sphalerite are seen bordering quartz vein (.25" thick) and graphitic phyllite.
121-125	2.4	60	40°	Graphitic Argillaceous Phyllite. Highly foliated, sparsely pyritic, breccia structure no longer discernible.
125-130	2.7	54	40°	Graphitic Argillaceous Phyllite. Pyritic, breccia structure relict noted in parts.
130-132	0.5	25		Graphitic Argillaceous Phyllite. Broken core.
132-137	2.5	50	60°	Graphitic Argillaceous Phyllite. Pyritic.
137-142	1.0	20		Graphitic Argillaceous Phyllite. Same as above. Broken core.
142-145	1.0	30	50°	Quartz Sericite. Silicified, bleached and altered graphitic phyllite. Pyritic in parts, especially in residual fragments of graphitic phyllite.
145-146	1.0	100	50°	Graphitic Argillaceous Phyllite. Same as 125-130 above.
146-147.5	0.85	57	60°	Mineralized Zone in altered Graphitic Phyllite. Quartz, sericite with minor chlorite, silicified in parts, are developed in the phyllite. Few crystals of galena and fine yellow sphalerite are associated with more abundant pyrite in the quartz. Some fine galena observed to occur disseminated in the quartz.
147.5-148.5	0.8	80	65°	Graphitic Argillaceous Phyllite. Black, highly foliated.

DIAMOND L. HILL RECORD

PROPERTY SM CLAIMS SHEET NO. 3 OF 8 HOLE NO. 76-2
 DRILLED BY: Arctic Drilling STARTED: August 25, 1976 COMPLETED: Aug. 30, 1976 LOGGED BY: J. Basco
 LOCATION: 106+40 E., 47+00 N. BEARING: N. 25° E. DIP: 55°
 ELEVATION: 5000' FINAL DEPTH: 406'

DEPTH	CORE RECOVERED	% REC.	INTERSECTION ANGLE	DESCRIPTION
148.5-156	5.8	89	60°	Graphitic Argillaceous Phyllite. Black where unaltered, exhibits breccia structure healed by plastic flow into a solid mass of foliated phyllite, sparsely pyritic. Bleached or altered to quartz-rich sericitic phyllite at 148.5'-149', 151'-152', and 155'-156'.
156-157	0.8	80		Graphitic Argillaceous Phyllite.
157-159	1.0	50	40°	Quartz Sericite Phyllite. Greyish white, minor chlorite, sparsely pyritic, highly foliated. At 157.5', a few crystals of galena and probably sphalerite are seen to occur with pyrite in .3" thick quartz vein following a foliation.
159-163	2.0	50	45°	Mineralized Zone in Altered Graphitic Phyllite. Similar to 146'-147.5' above.
163-165.5	1.4	55	60°	Graphitic Phyllite and Sericitic Phyllite below. Broken core.
165.5-168	2.0	80	60°	Quartz Sericite Phyllite. Six inches (6") of mid-section is silicified. At 166.5', rare galena and sphalerite are seen to occur with pyrite in altered residual Graphitic Phyllite fragments close to quartz band.
168-172	2.4	60	50°	Quartz Sericite Phyllite. Quartz-rich sericite phyllite with minor chlorite. Cream white. Sparsely pyritic with minor concentration in occasional quartz veining. Thin residual fragments of graphitic phyllite noted at intervals.
172-177	2.4	50	55°	Mineralized Zone in Quartz Sericite Phyllite. Minor residuals of graphitic phyllite. Sparse sphalerite and galena associated with more abundant patches of pyrite in quartz veins or quartz-rich sections are observed.

DIAMOND HILL RECORD

PROPERTY SM Claims SHEET NO. 4 OF 8 HOLE NO. 76/2
 DRILLED BY: Arctic Drilling STARTED: August 25, 1976 COMPLETED: Aug. 30/76 LOGGED BY: D. Basco
 LOCATION: 106+40 E, 47+00 N BEARING: N 25° E DIP: -55°
 ELEVATION: 5000' FINAL DEPTH: 406'

DEPTH	CORE RECOVERED	% REC.	INTERSECTION ANGLE	DESCRIPTION
177-179	1.6	80	65°	Quartz Sericite Phyllite with minor chlorite. Quartz-rich, creamy white. At 179' a two inch quartz fragment replacing altered graphitic phyllite carries some pyrite with rare sphalerite and galena.
179-200	10.0	48	60°	Graphitic Argillaceous Phyllite. Black, broken and gougy in parts, breccia structure, occasionally altered into quartz sericite with minor chlorite, sparsely pyritic. Faulted?
200-218	12.0	67	30°-40°	Graphitic Argillaceous Phyllite. Similar to 179-200 above. Faulted?
218-228	8.0	80	40°	Graphitic Argillaceous Phyllite. Similar to 179-200 above, but not affected by faulting or shearing.
228-234	3.0	50	40°	Graphitic phyllite. Relict breccia structure still discernible. Broken core.
234-240	3.0	50	40°	Graphitic Phyllite. Similar to 228-234 above. Altered in parts. At 238-239 rare specks of fine galena in pyrite in altered host rocks.
240-250	7.0	70	30°	Graphitic Phyllite. Sparsely Pyritic, relict breccia structure, crenulation folding, altered in parts to quartz sericite phyllite. Sheared at 246' and 247'-248'.
250-252	2.0	100	50°	Graphitic phyllite. Sheared at 251'-251.5'.
252-273	18.5	88	40°-60°	Mineralized Zone in Graphitic Phyllite Breccia, altered in parts to quartz, quartz-rich sericite and quartz-sericite with minor chlorite phyllite. Few crystals of galena and minor patches of brown sphalerite with more abundant pyrite occur sparsely in scattered quartz, along borders of quartz and altered rocks, in silicified relict fragments, and and rarely finely disseminated along foliation of quartz-rich sericite phyllite at intervals

DIAMOND FULL RECORD

PROPERTY SM Claims SHEET NO. 5 OF 8 HOLE NO. 76/2
 DRILLED BY: Arctic Drilling STARTED: August 25, 1976 COMPLETED: Aug. 30/76 LOGGED BY: Basco
 LOCATION: 106+40 E, 47+00 N BEARING: N 25° E DIP: -55°
 ELEVATION: 5000' FINAL DEPTH: 406'

DEPTH	CORE RECOVERED	% REC.	INTERSECTION ANGLE	DESCRIPTION
				within the mineralized zone. Sheared at 252'-253', 258'-259', 261'-262' and 266'-267'.
273-274	1.0	100	70°	Graphitic Phyllite. Black, highly foliated sparse pyrite dissemination, fine quartz with rare pyrite filling folia, no relict breccia discernible.
274-307	25.0	75	30°-40°	Mineralized Zone in Graphitic Phyllite Breccia. Scattered occurrence of few crystals of galena and brown sphalerite with more abundant pyrite in some silicified breccia fragments, in quartz irregularly distributed, and as rare specks and/or fine streaks in altered host rock. Sheared at 279', 282'-283', 292'-293', and 294'-295'.
307-310	0.5	17	45°	Graphitic Phyllite Breccia. Broken core, very poor recovery. Rare patches of very fine galena in 2' quartz fragments carrying some pyrite at 307'.
310-314	3.10	78	50°	Graphitic Phyllite Breccia. Altered for the most part to quartz-rich sericitic phyllite. At 312'-313' few patches of minor sphalerite and rare specks of galena noted in the silicified or quartz-rich section carrying some pyrite aggregate following relict foliation. At 310.5'-312' sheared and gougy.
314-318	3.20	79	30°-50°	Graphitic Phyllite Breccia. Locally altered to quartz and sericite producing mottled appearance. At 314'-315.5' sheared and gougy. At 316' rare specks seen along a foliation in quartz-rich section. Sparse to moderately pyritic.
318-323	5.00	100	50°	Graphitic Phyllite Breccia. Similar to 314-318. At 320'-321' rare streaks of galena noted in a foliation of quartz-rich phyllite.

DIAMOND HILL RECORD

PROPERTY SM Claims SHEET NO. 6 OF 8 HOLE NO. 76/2
 DRILLED BY: Arctic Drilling STARTED: August 25, 1976 COMPLETED: Aug. 30/76 LOGGED BY: D. Basco
 LOCATION: 106+40 E, 47+00 N BEARING: N 25° E DIP: -55°
 ELEVATION: 5000' FINAL DEPTH: 406'

DEPTH	CORE RECOVERED	% REC.	INTERSECTION ANGLE	DESCRIPTION
323-332	8.10	90	30°	Graphitic Phyllite Breccia. Mottled, sparsely pyritic, local alteration affecting some breccia fragments. Sparsely pyritic. At 330'-332' sheared and gougy.
332-345	7.60	60	30°	Graphitic Phyllite Breccia. Faulted (?) Sheared and gougy for the most part. Few fragments altered to quartz with minor sericite carry some pyrite.
345-355	7.50	75	50°	Graphitic Phyllite Breccia. Black, foliated, sparsely pyritic, locally altered to quartz and sericite. At 353' and 354' rare, fine specks of galena in quartz-rich fragments carrying some pyrite.
355-358	1.8	60		Graphitic Phyllite Breccia. Broken core.
358- 361.5	3.3	94	70°	Graphitic Phyllite Breccia. Black, very minor alternation affecting few fragments.
361.5- 371	8.5	100	30°	Rheomorphic Dyke. Light-coloured, massive, felsic dyke derived from graphitic phyllite as a result of fusion and recrystallization. Minor residuals of graphitic phyllite are found in the dyke. Graphite disappeared to form carbonate.
371-374	2.0	70	30°	Graphitic Phyllite. Black, highly foliated, breccia structure appears gone, sparsely pyritic, occurring in quartz.
374-379	1.5	30	30°	Graphitic Phyllite. Black, highly foliated, sparsely pyritic, poor recovery. At 379' sheared and gougy.
379-383	2.0	50	30°	Graphitic Phyllite. Similar to 374-379.
383-386	1.5	50	60°	Graphitic Phyllite. Similar to 379-383.

DIAMOND L I.I. RECORD

DD-17

PROPERTY SM Claims SHEET NO. 1 OF 3 HOLE NO 76-3
 DRILLED BY: Arctic Drilling STARTED: August 30, 1976 COMPLETED: Sept. 2/76 LOGGED BY: D. Basco
 LOCATION: 106+40 E, 47+00 N BEARING: DIP: 90°
 ELEVATION: 5000' FINAL DEPTH: 335'

DEPTH	CORE RECOVERED	% REC.	INTERSECTION ANGLE	DESCRIPTION
0-44				Overburden
44-48	0.00	0.00		No core.
48-60	5.00	44	30-50°	Graphitic Argillaceous Slate. Black, sparsely pyritic, locally altered at 57.5' to quartz with minor sericite.
50-63	0.00	0.00		No core.
53-68	0.5	10		Broken pieces of graphitic slate, very poor recovery.
58-70	0.00	0.00		No core.
70-79	3.0	33	60°	Graphitic Argillaceous Slate. Broken core, very poor recovery.
79-81	1.2	60		Graphitic Argillaceous Slate. Similar to 70-79 above.
81-97.5	5.0	30	60°	Graphitic Argillaceous Slate. Black, sparsely pyritic, sheared between 81-84.
97.5-100	0.00	0.00		No core.
100-103	2.00	67	60°	Graphitic Phyllite. Dark grey to black, highly foliated, sparsely pyritic, minor carbonate along some of the folia.
103-106.5	2.00	57		Graphitic Phyllite. Sheared, gougy, probably faulted.
106.5-111.5	3.5	70	60°	Graphitic Phyllite. Similar to 100-103. Sheared at 111.5.
111.5-123	6.0	52	60°	Graphitic Phyllite. Similar to 100-103.
123-131.5	6.0	70	60°	Graphitic Phyllite. Similar to 100-103. Sheared at 123', 125' and 130'.
131.5-140	7.2	84	50°	Graphitic Phyllite. Similar to 100-103. Moderately altered to quartz, chlorite and sericite at 134.5'-136.5'.

DIAMOND HILL RECORD

DD-17

PROPERTY SM Claims SHEET NO. 2 OF 3 HOLE NO. 76-3
 DRILLED BY: Arctic Drilling STARTED: August 30, 1976 COMPLETED: Sept. 2/76 LOGGED BY: Basco
 LOCATION: 106+40 E, 47+00 N BEARING: _____ DIP: 90°
 _____ ELEVATION: 5000' FINAL DEPTH: 335'

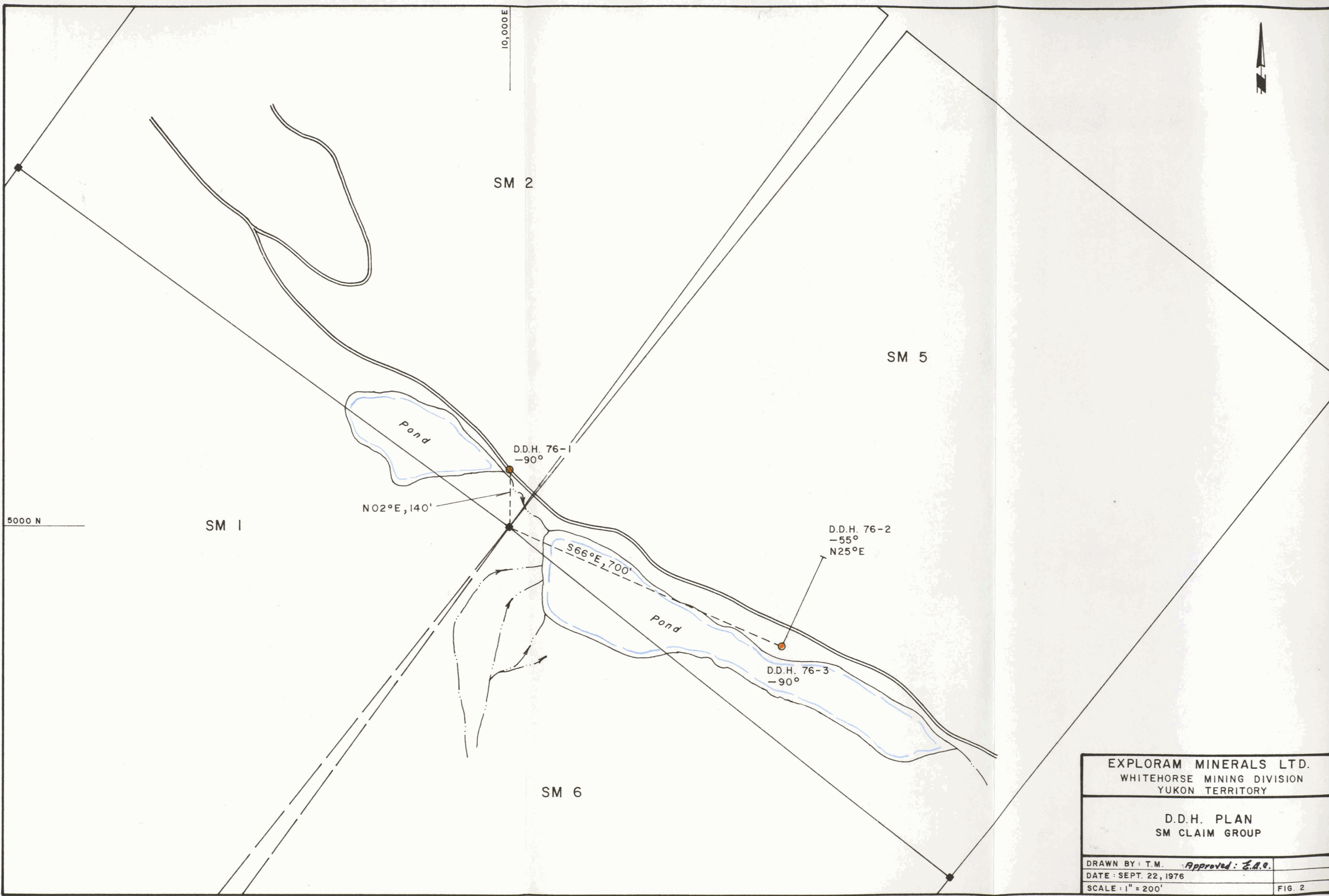
DEPTH	CORE RECOVERED	% REC.	INTERSECTION ANGLE	DESCRIPTION
140-148	7.0	88	50°	Graphitic Phyllite. Dark grey to black, foliated, sparsely pyritic, thin minor carbonate along some folia. Sheared at 148'.
148-160	11.0	93	50°	Graphitic Breccia. Greyish black, mottled, sparsely pyritic, breccia structure common, thin quartz and carbonate along some folia with minor cross-cutting.
160-162	2.0	100	50°	Graphitic Breccia. Between 160.5-161.5 is a quartz-rich with minor chlorite band. A small residual graphitic breccia fragment is seen in the band.
162-164	2.0	100	20°-30°	Mineralized Zone in Graphitic Breccia. Few scattered crystals of galena and rare sphalerite with relatively more abundant pyrite in some quartz stringers following foliation, occasionally in adjoining altered breccia as well.
164-166				Cherty Argillite. Chocolate brown, massive, aphanitic, cherty.
166-169.5	2.3	66		Graphitic Breccia. Sheared for the most part. Fault (?)
169.5-172				Graphitic Breccia. Sheared for the most part. Fault (?)
172-173	1.0	100		Quartz-feldspar Dyke with minor chlorite.
173-175	2.0	100	30°	Graphitic Breccia. Breccia fragments drawn out along foliation. Quartz-carbonate stringers with some pyrite following foliation, some cross-cutting.
175-187	10.0	83	40°-50°	Graphitic Phyllite. Quartz-rich with minor chlorite in parts, sparsely pyritic.
187-199	9.5	80	30°-40°	Graphitic Phyllite. Similar to 175-187.
199-207	8.0	100	30°-40°	Graphitic Phyllite. Relict drawn out fragments discernible in parts.

DIAMOND I HILL RECORD

DD-17

PROPERTY SM Claims SHEET NO. 3 OF 3 HOLE NO. 76-3
 DRILLED BY: Arctic Drilling STARTED: August 30, 1976 COMPLETED: Sept. 2, 1976 LOGGED BY D. Basco
 LOCATION: 106+40 E, 47+00 N BEARING: _____ DIP: 90°
 _____ ELEVATION: 5000' FINAL DEPTH: 335'

DEPTH	CORE RECOVERED	% REC.	INTERSECTION ANGLE	DESCRIPTION
207-220	12.0	92	30°-40°	Graphitic Phyllite. Dark grey to black, sparsely pyritic, graphite-rich folia; other minerals noted are quartz, chlorite, sericite, and carbonate along foliation, crenulated folding occasionally seen.
220-231	9.5	86	30°-40°	Graphitic phyllite. Similar to above.
231-243	12.0	100	30°-40°	Graphitic Phyllite. Similar to above.
243-256	11.0	85	30°	Graphitic Phyllite; as above.
256-265	9.0	80	30°	Graphitic Phyllite; as above.
265-274	7.0	80	30°	Graphitic Phyllite; as above.
274-279				Graphitic Phyllite; as above. Sheared and gougy. Fault (?)
279-290	10.4	95	30°	Graphitic Phyllite.
290-297.5	6.5	91	25°	Graphitic Phyllite.
297.5-304	5.5	85	25°	Graphitic Phyllite.
304-309				Graphitic Phyllite. Sheared and gougy. Fault (?)
309-316	6.5	91	30°	Graphitic Phyllite.
316-335	11.0	61	30°	Graphitic Phyllite. At 316'-317' and 321'-322' much broken core. Sparsely pyritic, graphite-rich phyllite consisting of quartz, chlorite, sericite with minor carbonate.
				-End-



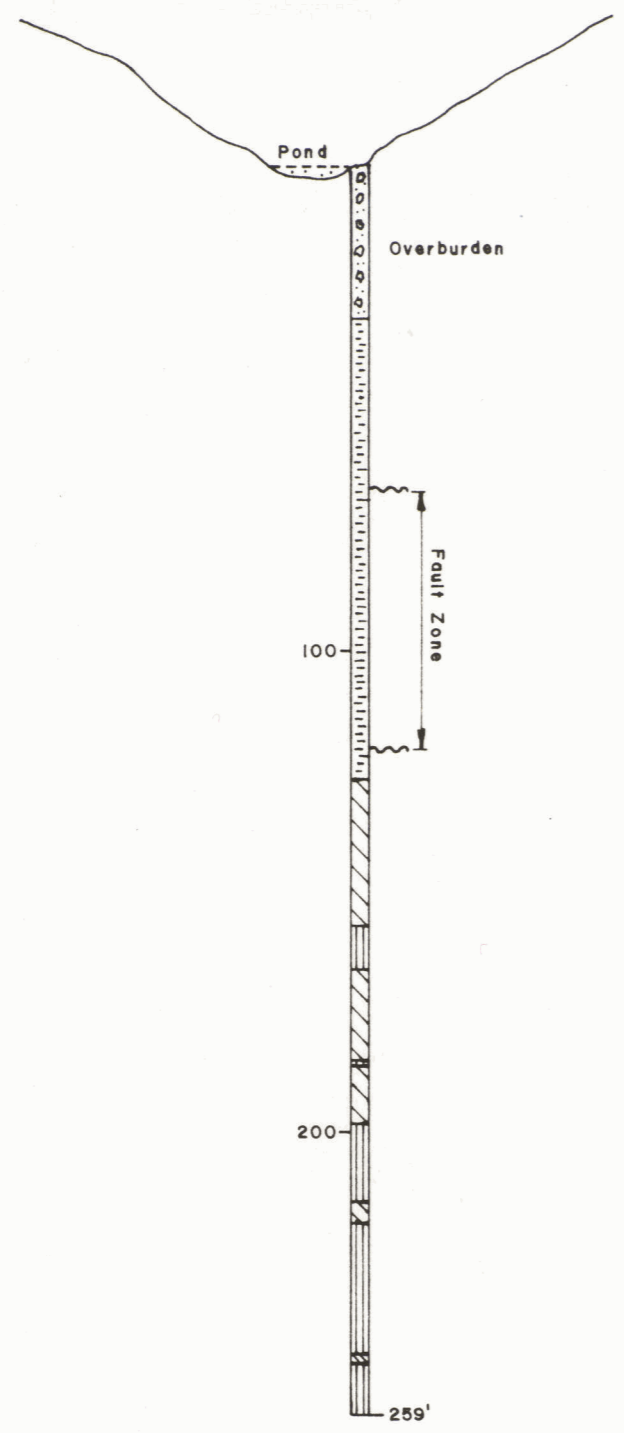
EXPLORAM MINERALS LTD. WHITEHORSE MINING DIVISION YUKON TERRITORY	
D.D.H. PLAN SM CLAIM GROUP	
DRAWN BY: T.M.	Approved: <i>E.A.O.</i>
DATE: SEPT. 22, 1976	
SCALE: 1" = 200'	FIG. 2

DD-17

EXPLORAM MINERALS LTD.
WHITEHORSE MINING DIVISION
YUKON TERRITORY

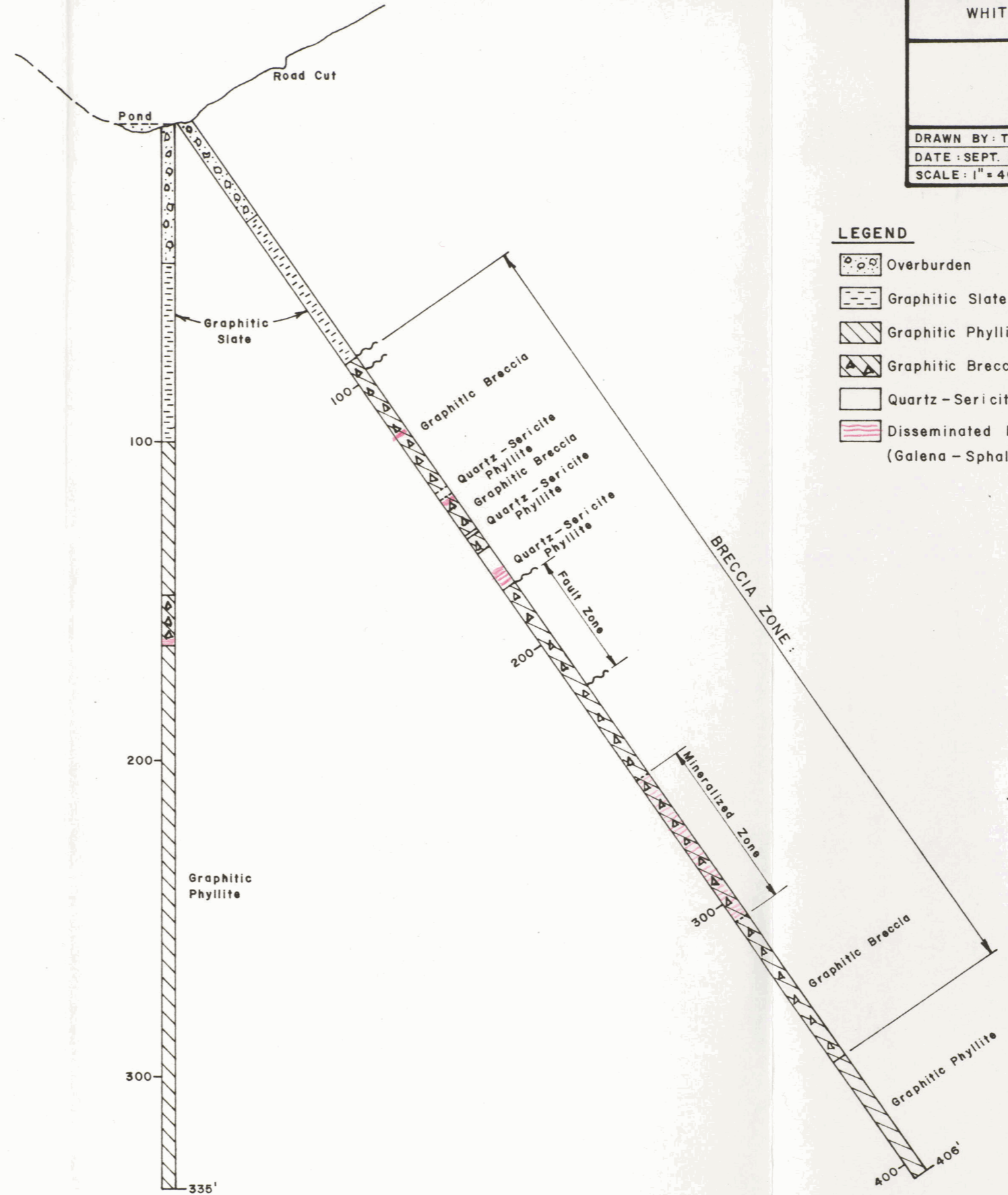
D.D.H. SECTIONS
SM CLAIM GROUP

DRAWN BY: T.M. *Approved: G.A.E.*
DATE: SEPT. 22, 1976
SCALE: 1" = 40' FIG. 3



D.D.H. 76-1
-90°

- LEGEND**
- Graphitic Slate
 - Graphitic Phyllite
 - Chloritic Phyllite



D.D.H. 76-3
-50°

D.D.H. 76-2
-55°, N25°E

- LEGEND**
- Overburden
 - Graphitic Slate
 - Graphitic Phyllite
 - Graphitic Breccia
 - Quartz - Sericite Phyllite
 - Disseminated Mineralization (Galena - Sphalerite & Pyrite)