

DIAMOND DRILLING REPORT

ON THE

JUBILEE PROPERTY

WHITEHORSE M.D., YUKON : 105D/1

FOR

NITHEX EXPLORATION LTD.
475 Howe Street
Vancouver, B.C.

BY

J.W. MACLEOD, P.Eng.

VANCOUVER, B.C.

September 1, 1981

090864



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DIAMOND DRILLING
JUBILEE PROPERTY
WHITEHORSE M.D., YUKON. 105D/1

INTRODUCTION

The following report has been prepared to fulfill the requirements of the Quartz Mining Act with regard to the application of diamond drilling expenditure for assessment credit.

PROPERTY

The property consists of the following twenty-four contiguous mineral claims:

<u>CLAIM NAME</u>	<u>RECORD NO.</u>	<u>ANNIVERSARY DATE</u>
Jubilee 1-6	YA 48321-26	10 October 1986
JM 1-10	YA 51179-88	14 August 1986
JM 11-12	YA 59945-46	24 April 1986
JM 25-26	YA 59959-60	24 April 1986
JM 31-34	YA 59965-68	24 April 1986

The claims have been placed in the following two groups; Jubilee 1-6, JM 1-6, JM 9-12 and Jubilee 1, JM 7-8, JM 25-26, JM 31-34.

LOCATION AND ACCESS

The property is located 82 km. southeast of Whitehorse at 60°13.5'N, 134°06'W. The claims are shown on the Whitehorse Mining Division Sheet 105D/1, Jubilee Mountain.

An 8 km. service road for a microwave tower and forestry lookout leaves the Carcross-Jakes Corner road 2 km. east of Tagish. The lookout is 6 km. northwest of the showing on the Jubilee Group, and the first 5 km. of this distance traverses gravel banks.

GENERAL

The mineral occurrence is not recorded in Archer and Cathro's Northern Cordillera Mineral Inventory. The location and vendor of the property, H. Versluce, was aware of the showings in the 1950's.

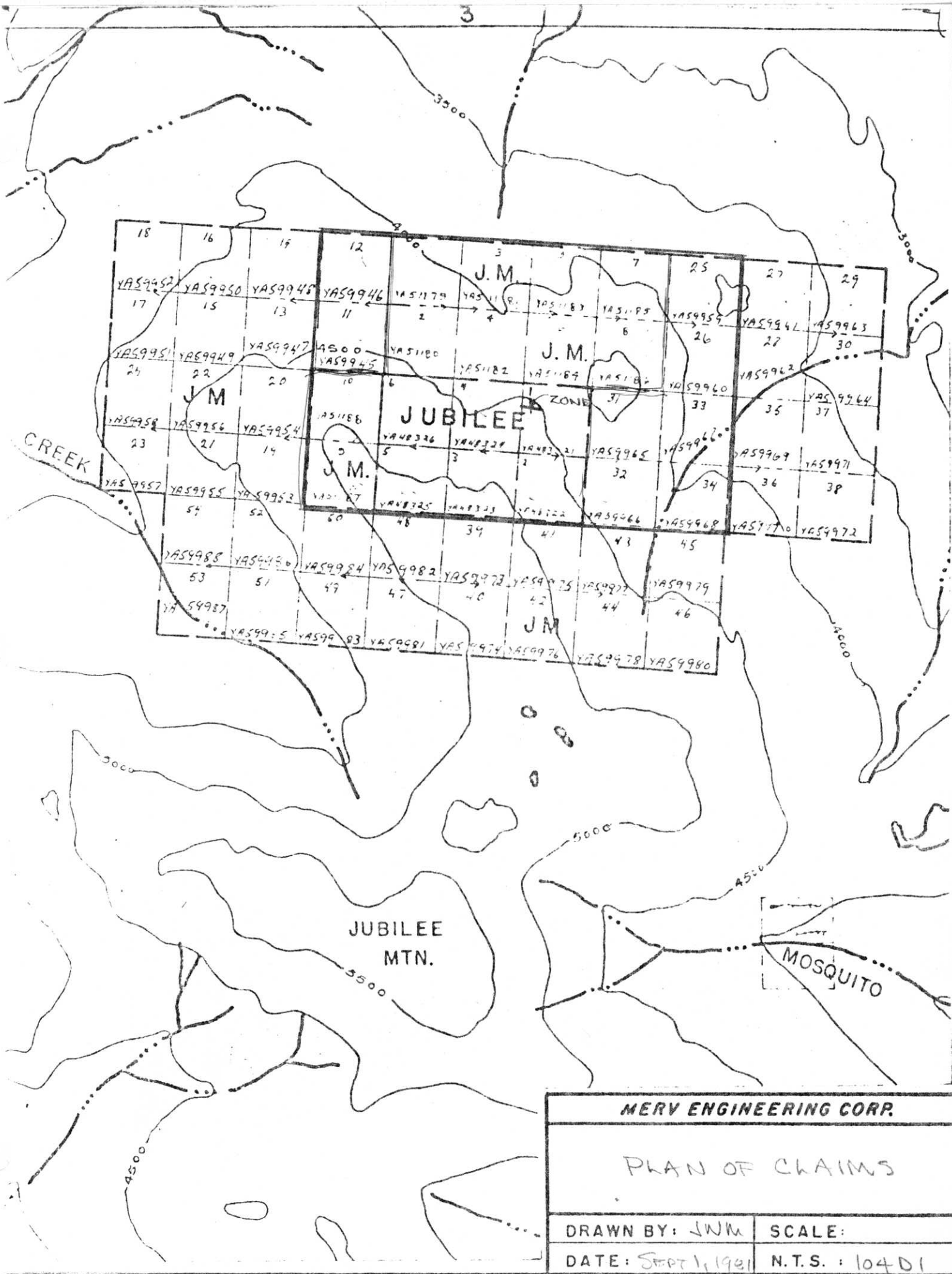
The showing is located just above timberline at 1430 m. in an area of light overburden. Slopes are steep, but not rugged. The closest water is 400 m. to the east with a lift of 122 m.

Geology map 1093A, accompanying G.S.C. Memoir 312, shows the area in the immediate vicinity of the showing to be underlain by peridotite, dunite and serpentine. The rocks encountered in the drilling were a much brecciated mix of volcanic fragmental and irregular chert lenses.

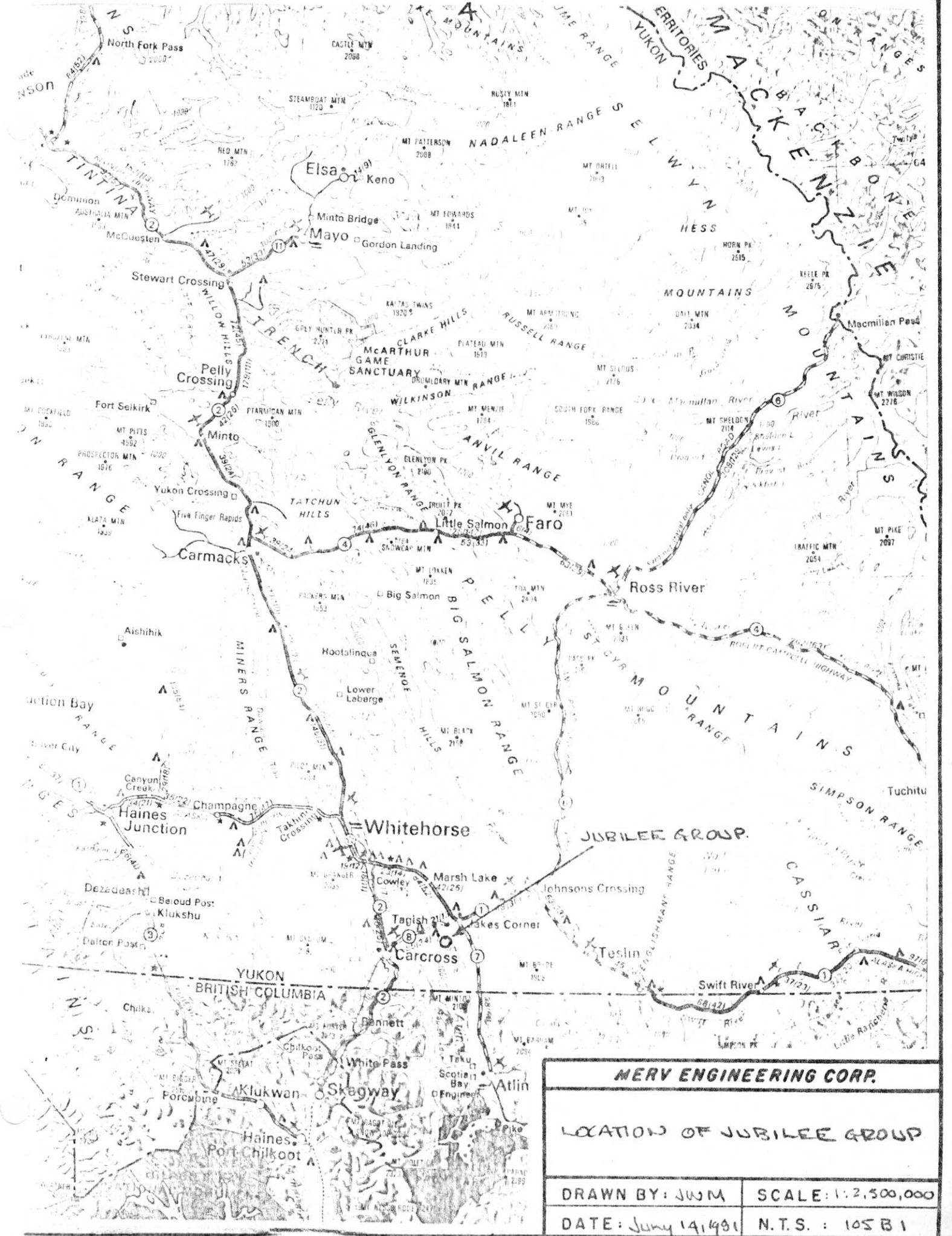
MINERAL OCCURRENCE

The showing consists of a steeply dipping east-west trending shear zone, perhaps an enclon affair.

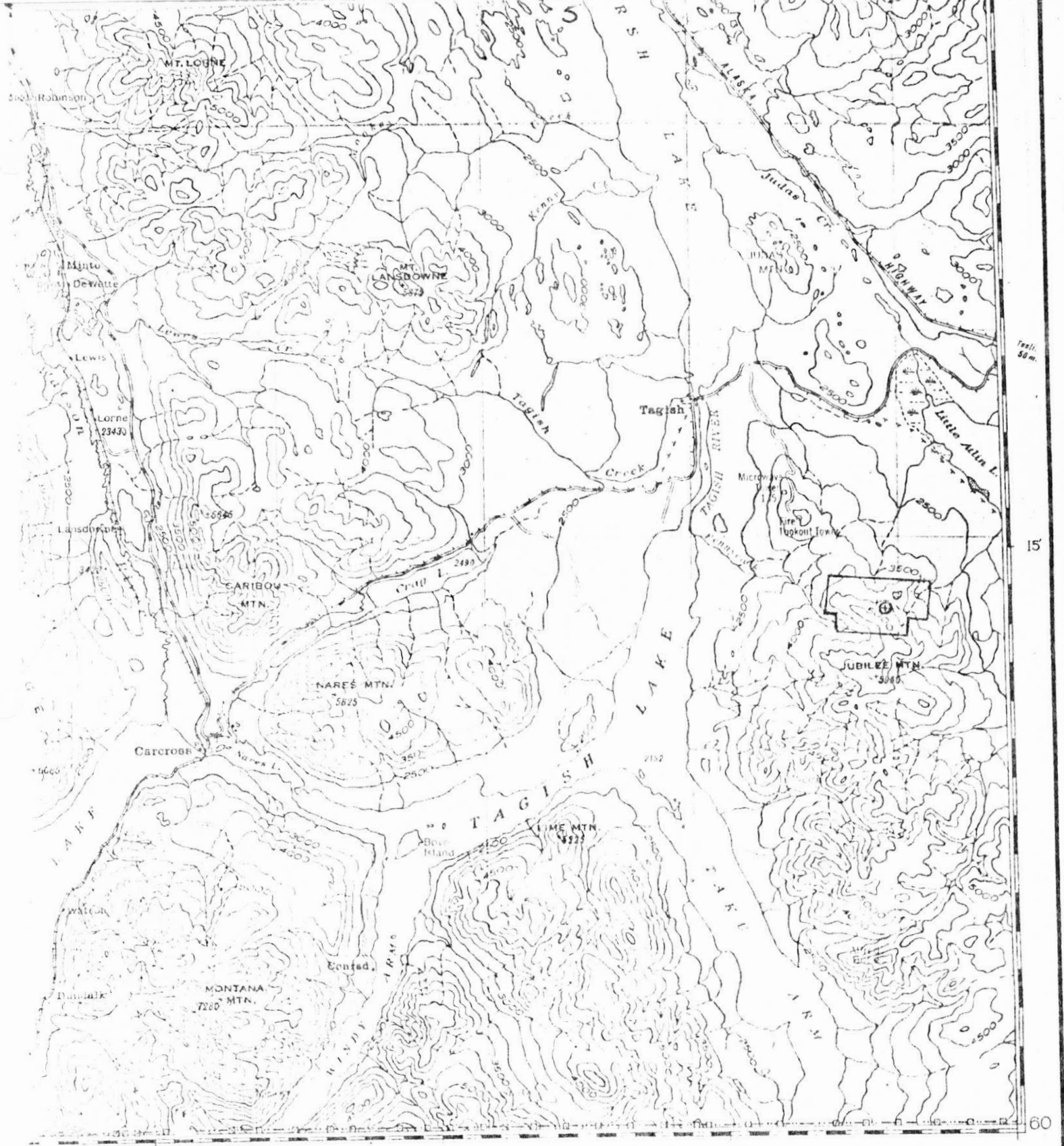
In the main showing area, 8 hand trenches have been dug, but only 4 of these expose the significant mineralization which is lenses of massive arsenopyrite and pyrite. Trench 1



MERV ENGINEERING CORP.	
PLAN OF CLAIMS	
DRAWN BY: JWM	SCALE:
DATE: SEPT 1, 1981	N.T.S. : 10401



MERV ENGINEERING CORP.	
LOCATION OF JUBILEE GROUP	
DRAWN BY: JWM	SCALE: 1:2,500,000
DATE: June 14, 1981	N.T.S. : 105 B1



Scale: 50 m.

15

60

45

30

15

13400'

MERV ENGINEERING CORP.

JUBILEE GROUND ACCESS

DRAWN BY: JNM

SCALE: 1:250,000

DATE: July 14, 1981

N.T.S. : 105 B 1

was sampled across 1.4 m. of shear which assayed 0.166 oz. Au; 0.6 m. of this sample was well mineralized with arsenopyrite. In Trench 2 there are 3 lenses of sulfides which aggregate 1.3 m. in a sample width of 2.3 m. which assayed 0.290 Oz. Au; 0.7 m. of rusty shear adjoining to the south of this sample assayed 0.11 Oz. Au. Trench 3 exposes a hump of arsenopyrite which assayed 0.325 Oz. Au across 1.1 m. The north end of Trench 4 assayed 0.112 Oz. Au across 1.2 m. This sample includes 0.9 m. of limonitic gouge with lenses of sulfide and 0.3 m. of quartz-carbonate with a little chalcopyrite. Trenches 5 and 6 are south of the shear, and Trench 7, which is probably north of the shear, exposes 1.9 m. of quartz mineralization with 3% chalco which assayed 0.002 Au.

Two small trenches located 169 m. west of Trench 1 expose a shear which may be the extension in this direction of the zone described above. A selected sample of arsenopyrite from Tr 2W here, assayed 0.30 Oz. Au.

To the east the hill drops off sharply to make a good adit site if warranted.

DIAMOND DRILLING

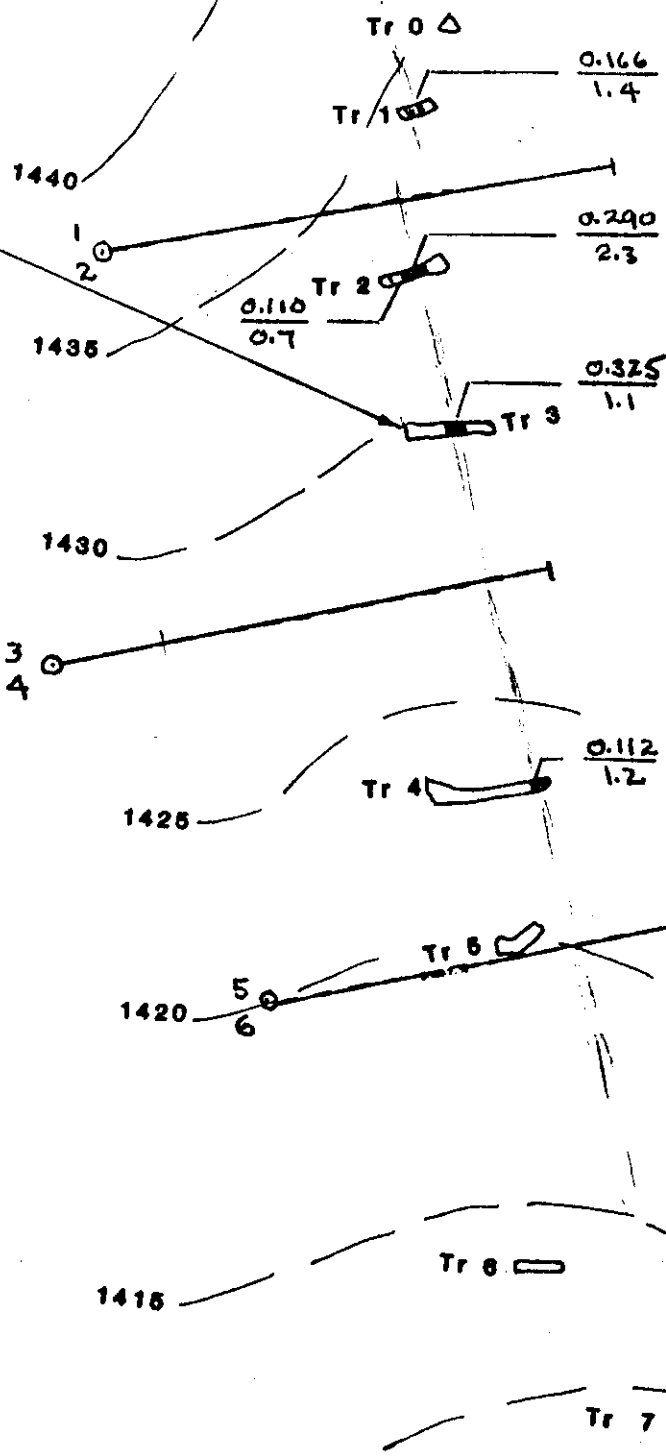
Six holes, totalling 1002.6 feet, were drilled to sample and test the continuity of the zone. The holes were drilled from three setups with holes at 45 and 60 degrees from each site.

Each hole cut the mineral zone in the form of a limonitic shear. As with surface sampling, gold values only occur

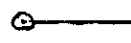
claim post



90.8 m



$\frac{0.290}{2.3}$ $\frac{\text{OZ. AU. PER TON}}{\text{LENGTH IN METERS}}$



DRILL HOLE

MERY ENGINEERING CORP.	
JUBILEE SHOWING PLAN OF DRILL HOLES.	
DRAWN BY: JWM.	SCALE: 1:500
DATE: SEPT 1, 1981	N.T.S. : 10SD1.

with arsenopyrite. The values in Holes 1 and 2 are much lower than the surface indications. The main part of the zone was ground in Holes 3 and 4, and no significant values were obtained in Holes 5 and 6. There is considerable pyrite disseminated and on fractures throughout the holes, but this sulfide does not carry gold values.

There is a distinct contact with the limonitic shear and an unmineralized chloritic shear in the hanging wall. The footwall of the limonitic shear is well defined.

There is no continuity between holes of the different rock units.

CONCLUSIONS AND RECOMMENDATIONS

Gold values in the limonitic shear zone are confined to those sections mineralized with arsenopyrite.

The drilling suggests the arsenopyrite lenses are too erratic to warrant further investigation at the present price of gold.

Respectfully submitted,



J.W. MacLeod, P.Eng.

VANCOUVER, B.C.

1 September 1981

APPENDIX I

DRILL LOGS

DIAMOND DRILL RECORD

PROPERTY NITHEX - JUBILEE MOUNTAIN

HOLE No. 1

DIP TEST		
Footage	Angle	
	Reading	Corrected
0		45°

Hole No. 1 Sheet No. 1 of 2
 Section _____
 Date Begun July 24, 1981
 Date Finished July 26, 1981

Lot _____
 Dep _____
 Bearing N 11° W
 Elev. Collor _____

Total Depth 157.6 feet
 Logged By J.W. MacLeod
 Claim JUBILEE 1
 Core Size _____

IN FEET DEPTH	DESCRIPTION	SAMPLE No.	IN FEET WIDTH OF SAMPLE	OZ/TON		
				Au	Ag	Cu
0 - 3	CASING					
3 - 48	VOLCANICS - Fragmental, light green to grey, much fractured, rusty slips					
48 - 69	SHEAR - Probably same rock as 3 - 48, sheared 40° to core, 64 - 66 - 1.5' quartz in 3 veins 66 - 69 - chloritic shear	59151 59152	2.0 3.0	.009 .001	.01 .01	
69 - 73	ZONE - Extension of surface zone 69 - 71 - brown limonite schist 71 - 73 - two 1" seams of arsenopyrite @ 75°	59153 59154	2.0 2.0	.008 .123	.02 .09	
73 - 92	VOLCANICS - Fragmental					
92 - 109	CHERT - White to blue, much brecciated, bands of andesitic material 99.5 - 101.5 - 3% disseminated pyrite 108.0 - 109.0 - 3/4" calcite, 40°, pyrite on contacts	59155 67804	2.0 1.0	.003 .010	.01 .01	

DIAMOND DRILL RECORD

PROPERTY NITHEX - JUBILEE MOUNTAIN

HOLE No. 2

DIP TEST		
Footage	Angle	
	Reading	Corrected
0		60°

Hole No. 2 Sheet No. 1 of 2
 Section.....
 Date Begun July 26, 1981
 Date Finished July 27, 1981

Lat.....
 Dep.....
 Bearing N 11° W
 Elev. Collar.....

Total Depth 169 feet
 Logged By J.W. MacLeod
 Claim JUBILEE 1
 Core Size.....

IN FEET DEPTH	DESCRIPTION	SAMPLE No.	IN FEET OZ/TON OZ/TON			
			WIDTH OF SAMPLE	Au	Ag	Cu
0 - 3	CASING					
3 - 58	VOLCANICS - Fragmental, some chert fragments					
58 - 83	SHEAR - Light green, chloritic					
83 - 102	ZONE - Rusty shear, brown mud at 97.0 as in Hole 1 @ 70', followed by 2" arsenopyrite at 99.5 with malachite to 102. 95.3 - 96.8 - rusty shear 96.8 - 100.0 - 3 lenses arsenopyrite - 4" 100.0 - 102.0 - schist, much malachite					
		59158	1.5	.001	.12	
		59159	3.2	.044	.52	
		59160	2.0	.002	.16	
102 - 124	ANDESITE - Light green, fine-grained 105.5 - 106.5 116.0 - 117.0 - chert band 4% pyrite					
		59163	1.0	.008	.16	
		59161	1.0	.004	.49	
124 - 141	VOLCANICS - Fragmental					

DIAMOND DRILL RECORD

PROPERTY NITHEX - JUBILEE MOUNTAIN

HOLE No. 1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. 1 Sheet No. 2 of 2 Lot..... Total Depth.....
 Section..... Dep..... Logged By.....
 Date Begun..... Bearing..... Claim.....
 Date Finished..... Elev. Collar..... Core Size.....

IN FEET DEPTH	DESCRIPTION	SAMPLE No.	IN FEET	OZ/TON	OZ/TON	OZ/TON
			WIDTH OF SAMPLE	Au	Ag	Cu
109 - 132	ANDESITE - Massive, light green					
	116.0 - 117.0 - 3% pyrrhotite	59156	1.0	.001	.01	
	125.0 - 127.5 - 3% pyrrhotite in brecciated					
	chert	59157	2.5	.001	.01	
	127.5 - 128.5 - 1" quartz, 45°, rusty	67803	1.0	.006	.05	
132 - 143	CHERT - White, brecciated					
	139 - 141, andesite					
143 - 154	ANDESITE - Massive, light green					
	145.0 - 146.5 - 1/4" quartz crystals and					
	arsenopyrite	67802	1.5	.053	.01	
	149.5 - 150.5	67801	1.0	.003	.03	
154 - 157.6	CHERT - White, brecciated					
	END OF HOLE AT 157.6 FEET					

DIAMOND DRILL RECORD

PROPERTY NITHEX - JUBILEE MOUNTAIN

HOLE No. 3

DIP TEST		
Footage	Angle	
	Reading	Corrected
0		45°

Hole No. 3 Sheer No. 1 of 2
 Section _____
 Date Begun July 27, 1981
 Date Finished July 28, 1981

Lat. _____ Total Depth 158 feet
 Dep. _____ Logged By J.W. MacLeod
 Bearing N 11° W Claim JUBILEE I
 Elev. Collar _____ Core Size _____

IN FEET DEPTH	DESCRIPTION	SAMPLE No.	IN FEET OZ/TON OZ/TON		
			WIDTH OF SAMPLE	Au	Ag
0 - 11	VOLCANICS - Fragmental, agglomerate, badly broken core				
11 - 71	CHERT - Impure, broken, much brecciated				
71 - 105	VOLCANICS - Grey-green, andesitic, fractured and narrow shears				
105 - 110	CHERT - Brecciated, bluish, limonite on seams from 108.				
	107.5 - 110.0	59164	2.5	.002	.01
110 - 117	ZONE - Limonitic schist to 113				
	110.0 - 112.5	59165	2.5	.015	.01
	112.5 - 117.0 - 8" quartz recovered	59166		.033	.01
117 - 133	ANDESITE - Olive green, sheared, manganese stain				
	117.0 - 119.0	59167	2.0	.009	.01
133 - 136	CHERT - 1" recovered				

DIAMOND DRILL RECORD

PROPERTY NITHEX - JUBILEE MOUNTAIN

HOLE No. 4

DIP TEST		
Footage	Angle	
	Reading	Corrected
0		60°

Hole No. 4 Sheet No. 1 of 1 Lat. _____ Total Depth 198 feet
 Section _____ Dep. _____ Logged By J.W. MacLeod
 Date Begun July 28, 1981 Bearing N 11° W Claim JUBILEE I
 Date Finished July 30, 1981 Elev. Collar _____ Core Size _____

IN FEET DEPTH	DESCRIPTION	SAMPLE No.	IN FEET OZ/TON			
			WIDTH OF SAMPLE	Au	Ag	Cu
0 - 23	VOLCANICS - Agglomerate					
23 - 103	CHERT - Bluish, brecciated					
103 - 120	SHEAR - Pale green, chloritic					
120 - 154	ZONE (?) - About 15' recovered in this section 143 - 151 - probably zone - mud and little quartz, total 1' recovered					
154 - 176	ANDESITE - Grey-green, rusty fractures					
176 - 192	CHERT - Grey, brecciated					
192 - 198	BASALT - Fine-grained, black					
	<u>END OF HOLE AT 198.0 FEET</u>					

DIAMOND DRILL RECORD

PROPERTY NITHEX - JUBILEE MOUNTAIN

HOLE No. 6

*See attached sheet for additional assays - all samples barren

DIP TEST		
Footag.	Angle	
	Reading	Corrected
0		60°

Hole No. 6 Sheet No. 1 of 1
 Section _____
 Date Begun July 31, 1981
 Date Finished August 1, 1981

Lot _____
 Dep _____
 Bearing N 11° W
 Elev. Collor _____

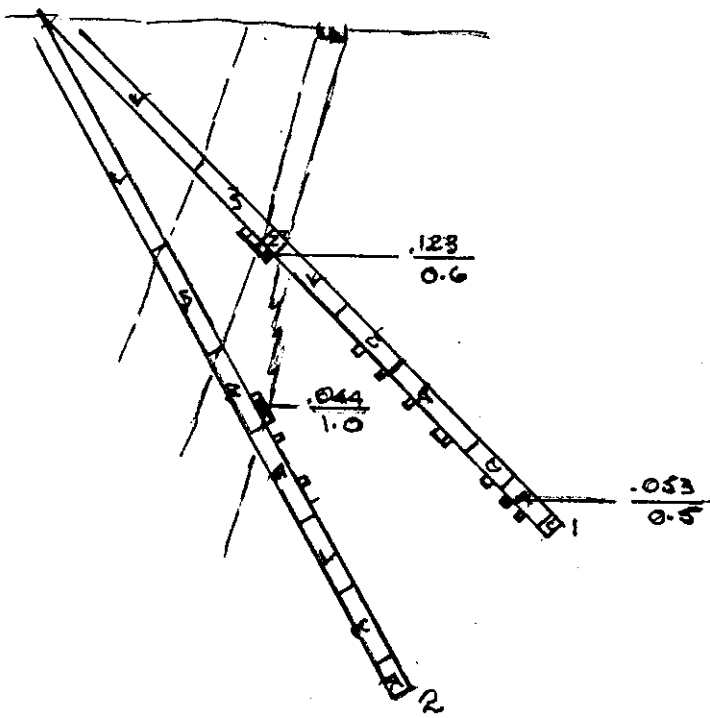
Total Depth 167 feet
 Logged By J.W. MacLeod
 Claim JUBILEE I
 Core Size _____

IN FEET DEPTH	DESCRIPTION	SAMPLE No.	IN FEET OZ/TON OZ/TON			
			WIDTH OF SAMPLE	Au	Ag	Cu
0 - 5	CASING					
5 - 50	VOLCANICS - Brecciated chert fragments in grey-green, rusty, brecciated andesite					
50 - 71	SHEAR - Pale green schist, 25 - 30° to core					
71 - 97	ZONE - Red, brown and tan mud zones in schist					
	70.0 - 75.0	14580	5.0	.002	.01	
	75.0 - 80.0	14581	5.0	.003	.01	
	80.0 - 85.0	14582	5.0	.001	.01	
	85.0 - 90.0	14583	5.0	.005	.01	
	90.0 - 95.0	14584	5.0	.008	.01	
97 - 118	ANDESITE - Fragmental, chert lenses					
118 - 128	CHERT - Brecciated					
128 - 167	ANDESITE - Fine-grained flow					
END OF HOLE AT 167.0 FEET						

APPENDIX II

DRILL SECTIONS

Elev. 1437.



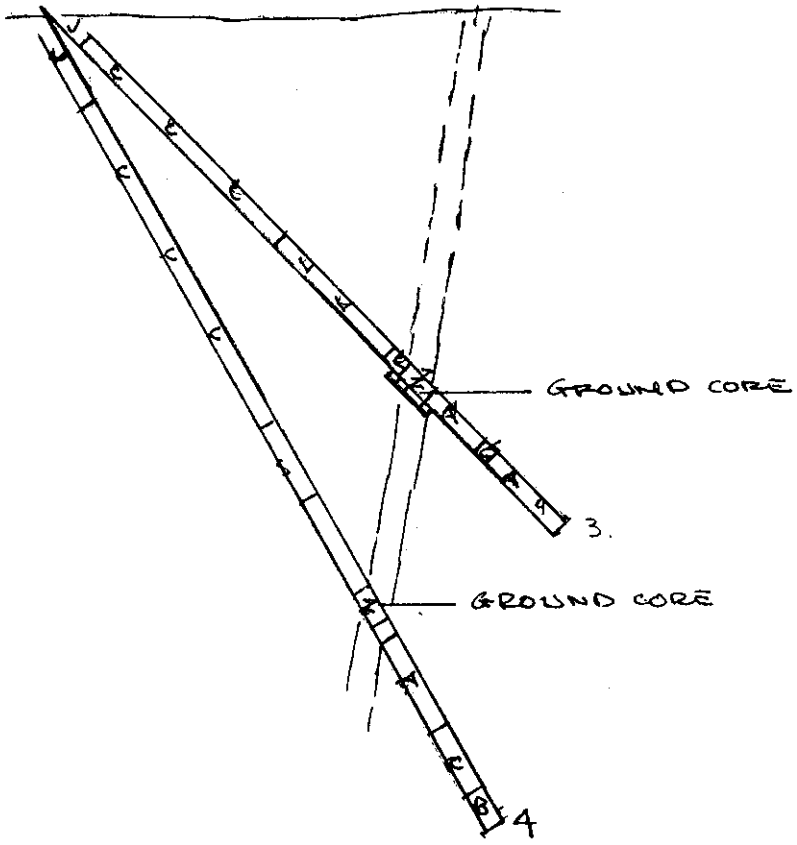
- Z MINERAL ZONE
- S SHEAR ZONE
- A ANDESITE
- C CHERT
- B BASALT
- V FRAGMENTAL

AP. 02.
METERS

LOOKING WEST

MERV ENGINEERING CORP.	
SECTION HOLES 1+2	
DRAWN BY: JWM.	SCALE: 1:500
DATE:	N.T.S. :

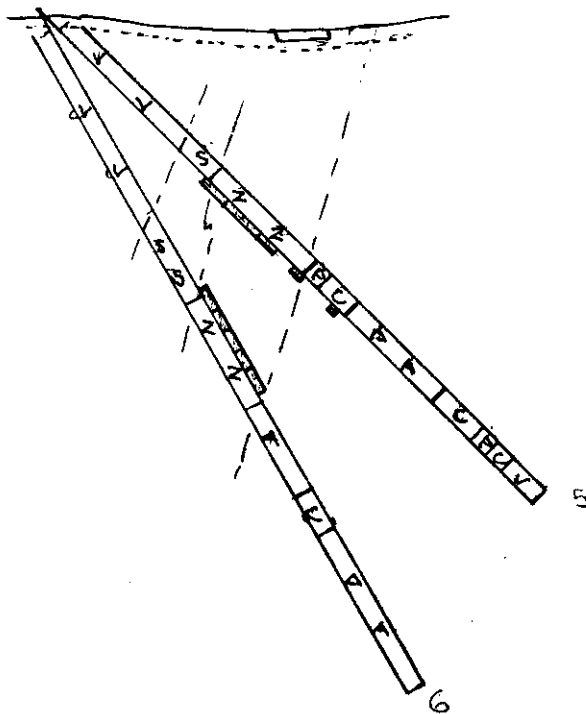
ELEV. 1428



LOOKING WEST

MERY ENGINEERING CORP.	
SECTION HOLES 3+4	
DRAWN BY: JWM	SCALE: 1:500
DATE:	N.T.S. :

ELEV. 1420



LOOKING WEST

MERV ENGINEERING CORP.

SECTION HONES 5+6

DRAWN BY: JWM

SCALE: 1:500

DATE:

N.T.S. :

APPENDIX III

ASSAY RESULTS

SAMPLE REPORTING SHEET

Aug. 4, 1981

Date

NITHEX - JUBILEE Mtn.

PROPERTY

105 D1

Nat. Topo. No.

NO.	LOCATION	Au	Ag			LENGTH	DESCRIPTION
	J-1						
59151	64.0 - 66.0	.009	.01	✓		2.0'	1.5' qtz. in 3 veins, 0.5' schist
59152	66.0 - 69.0	.001	.01	✓		3.0'	sheared volcanics.
59153	69.0 - 71.0	.008	.02	✓		2.0	brown limonitic schist.
59154	71.0 - 73.0	.123	.09	✓		2.0	2-1" seams of As. @ 75° to core malachite + limonite.
59155	99.5 - 101.5	.003	.01	✓		2.0	lex. chert, 3% dissem. pyrite.
67804	108.0 - 109.0	.010	.01	✓		1.0	3/4" calcite, 40% py. on contacts.
59156	116.0 - 117.0	.001	.01	✓		1.0	massive f.g. andesite, 3% pyrite.
59157	125.0 - 127.5	.001	.01	✓		2.5	3% py. in lex chert.
67803	127.5 - 128.5	.008	.05	✓		1.0	1" qtz., 45°, rusty, pyrite.
67802	145.0 - 146.5	.053	.01	✓		1.5'	1/2" qtz. x ls. As., 2" bleached-py.
67801	149.5 - 150.5	.003	.03	✓		1.0	3% pyrite in light green and.
	J-2.						
59158	95.2 - 96.8	.001	.12	✓		1.5	rusty sheared andesite
59159	96.8 - 100.0	.044	.52	✓		3.2	3 lenses As. total 4", 6" brown med.
59160	100.0 - 102.0	.002	.16	✓		2.0	schist, much malachite.
59161	116.0 - 117.0	.004	.49	✓		1.0	chert band in and, 4% pyrite
59162	156.0 - 158.0	.001	.01	✓		2.0	chert, fine pyrite in seams + diss.
59163	105.5 - 106.5	.009	.16	✓		1.0	
	J-3						
59164	107.5 - 110.0	.002	.01	✓		2.5	20% limonite in seams, volcanic.
59165	110.0 - 112.5	.015	.01	✓		2.5	limonitic schist
59166	112.5 - 117.	.033	.01	✓		-	3" qtz. recovered.
59167	117.0 - 119.0	.009	.01	✓		2.0	sheared andesite, manganese.
	J-4.						
	ZONE GROUND.						
	J-5						
59168	51.0 - 58.0	.004	.01	✓		7.0	limonitic schist
59169	58.0 - 63.0	.001	.01	✓		3.5'	recovered, schist
59170	63.0 - 68.0	.007	.03	✓		2.5'	" "
59171	68.0 - 73.0	.020	.11	✓		5.0	brown + tan "
59172	78.0 - 81.0	.005	.05	✓		2.0'	recovered. "
59173	90.0 - 92.0	.008	.01	✓		2.0	2" brown fault lex. 30°.

VANCOUVER, B.C. V6C 1N5
SAMPLE REPORTING SHEET

Aug 9, 1981
 Date

NITHEX - JUBILEE Mtn.
 PROPERTY

10501
 Nat. Topo. No.

NO.	LOCATION	Au	Aq				DESCRIPTION
	J-6						
4567	5-10.0	.001	.01				
4568	10.0-15.0	.001	.01				
4569	15.0-20.0	.001	.01				
4570	20.0-25.0	.001	.01				associated volcanics.
4571	25.0-30.0	.001	.02				
4572	30.0-35.0	.001	.01				
4573	35.0-40.0	.001	.02				
4574	40.0-45.0	.001	.01				
4575	45.0-50.0	.001	.01				
4576	50.0-55.0	.001	.01				
4577	55.0-60.0	.001	.01				green schist
4578	60.0-65.0	.001	.01				
4579	65.0-70.0	.001	.01				
4580	70.0-75.0	.002	.01		✓		
4581	75.0-80.0	.003	.01		✓		
4582	80.0-85.0	.001	.01		✓		brown limonite schist + mud zone
4583	85.0-90.0	.005	.01		✓		(main zone).
4584	90.0-95.0	.008	.01		✓		
4585	95.0-100.0	.003	.01				
4586	100.0-105.0	.003	.01				
4587	105.0-110.0	.001	.01				andesite.
4588	110.0-115.0	.002	.01				
4589	115.0-120.0	.002	.01				
4590	120.0-125.0	.002	.01				chert
4591	125.0-130.0	.003	.01				
4592	130.0-135.0	.011	.01				
4593	135.0-140.0	.002	.01				
4594	140.0-145.0	.001	.01				andesitic fragments.
4595	145.0-150.0	.002	.01				
4596	150.0-155.0	.001	.01				
4597	155.0-160.0	.002	.01				
4598	160.0-167.0	.003	.01				

APPENDIX IV

EXPENDITURES

EXPENDITURES

(per attached invoices)

Globe Drilling	\$ 30,506.92
Air Fares	1,108.50
Helicopter	6,490.87
	<hr/>
TOTAL	<u>\$ 38,106.29</u>

GLOBE DRILLING (1981) LTD. 689-8645
#801 - 510 West Hastings St.
Vancouver, B.C.
V6B 1L8

Aug. 5.1981

Nithea Exploration
#1002-475 Howe St.
Vancouver, B.C.

Statement

July 17, 1981	deposit		\$10 000.00 ✓
Aug. 5 "	In. #29756	\$19 932.00 ✓	
" 5 "	In. #29757	6 000.00 ✓	
" 5 "	In. #29758	4 574.92 ✓	
	balance		<u>\$20 506.92 ✓</u>

30506.92



APPROVED: P. K. Richardson
CODE No.: N 102 1
DATE: August 26, 1981

Paid August 27, 1981.

305
Aug 26/81



FURNESS TRAVEL (B.C.), LIMITED

STE. 1531 - 355 BURRARD STREET
VANCOUVER, B.C. V6C 2H7
TELEPHONE 682-1394

Nithex Explorations Ltd
1020-475 Howe Street
Vancouver, B.C.

July 2, 1981

INVOICE NO. T81/1654

E. & O. E.

TO AIR FARE: MR. E. ANGUS/MR. P. RICHARDSON/MR. J. McCLOUD

VANCOUVER/WHITEHORSE/VANCOUVER
INCLUDING TAX: \$369.50 X 3 =

\$1,108.50
=====

C P AIR TICKER NUMBERS 018 3249 637 012/014/013

DEPARTING 05, JULY, RETURNING 06 JULY, 1981

Approved P.W. Richardson
NI-102-1
July 3, 1981

247
Date *July 2/81*

TERMS: NET 15 DAYS

NITHEX EXPLORATION LTD.

CHARTERER: *1020-475 HOLE*

BILLING ADDRESS: *Yukon VSC 202*

FUEL & OIL - TMTA / CUST	TMTA FUEL USED	WRS - GALS.	FROM
		<i>1.8</i>	<i>27</i>

INVOICE NO. *54748*

A/C TYPE: *205B* AIRCRAFT REGISTRATION: *F282*

FLIGHT DATE: *050781*

PURCHASE ORDER NO.

FROM	TO	MILES	HOURS	ZONE	REMARKS - NO. OF PASS - FREIGHT LBS.
<i>XY</i>			<i>1.8</i>		
<i>ATTN: P.W. RICHARDSON</i>					

SUB	QTY	AMOUNT
<i>1055020</i>		<i>810.00</i>
<i>1055110</i>		<i>72.40</i>

<i>1.8</i>	<i>450.00</i>	<i>810.00</i>
<i>0</i>		
<i>0</i>		
<i>0</i>		

TERMS NET 30 DAYS
 1.75% INTEREST PER MONTH (21% PER ANNUM)
 WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS

x P.W. Richardson
 CHARTERER'S SIGNATURE

D.W.
 INITIALS

P.W. Richardson
 PILOT'S SIGNATURE

XXX
 ENGINEER'S NAME

FLIGHT ATTENDANT

WAITING TIME	<i>0</i>	/HR.	
FUEL:	<i>40</i>	<i>1.81</i> /GAL.	<i>72.40</i>
FUEL:	<i>0</i>	/GAL.	
MEALS & LODGING			
OTHER			
OTHER			

TOTAL \$ 882.40

*Approved P.W. Richardson
 July 20, 1981
 N-102-1*

FLIGHT REPORT INVOICE

CL. No. *273*

Date: *July 21/81*



TURBO AIR LTD
 BOX 4338 PHONE: 668-2177 TELEX: 036-8-290
 WHITEHORSE, YUKON Y1A 3T6

RONALD F. CONNELLY
 PRESIDENT

8617 Frano Place
 Surrey, B.C. V3S 4P1
 (604) 576-2018

✓ HELICOPTERS
 FIXED WING



TRANS NORTH TURBO AIR LTD.
 BOX 4338, W.H. CRSE, YUKON Y1A 3T6
 TELEPHONE (403) 2177 • TELEX 036-8-290

ACCOUNT NUMBER	2531
56291	
INVOICE DATE	24/07/81
A/C TYPE	B-206
AIRCRAFT REGISTRATION	FMBT
FLIGHT DATE	23/07/81
PURCHASE ORDER NO.	

NITHEX EXPLORATION LTD
 CHARTERER
 1020-475 Howe Street
 BILLING ADDRESS
 VANCOUVER, B.C. V6C 2G2

FUEL & OIL-X	TNTA FUEL USED	HRS.-GALS.	FROM
TNTA CUST.		50	XY

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS. - FREIGHT LBS.
WHITEHORSE				
TO JURILEE MTN.		.5		
DEILL MOVE		4.0		
WHITEHORSE		.5		

APPROVED: *P. Richardson*
 CODE No.: N-102-1
 DATE: August 27, 1981

SUB	S.L.	AMOUNT
1045020		2250.00
1045110		199.10

5.0	@	450.00	2,250.00
	@		
	@		
	@		

TERMS NET 30 DAYS
 1.75% INTEREST PER MONTH (21% PER ANNUM)
 WILL BE CHARGED ON ALL OUTSTANDING
 AMOUNTS OVER 30 DAYS

X *[Signature]*
 CHARTERER SIGNATURE

BHP
 INITIALS CO-PILOT'S NAME

CLR RONAGHAN
 ENGINEER'S NAME
 FLIGHT ATTENDANT

WAITING TIME	@	/HR.	
FUEL: XY	@	/GAL.	199.10
FUEL:	@	/GAL.	
MEALS & LODGING			
OTHER			
OTHER			

TOTAL \$ 2449.10

FLIGHT REPORT
 INVOICE



TRANS NORTH TURBO AIR LTD.
 BOX 4338, WHITE SE. YUKON VIA 378
 TELEPHONE (403) 617 17 • TELEX 036-B-280

ACCOUNT NUMBER	237
56327	
INVOICE DATE	03 08 81
A/C TYPE	B206B
AIRCRAFT REGISTRATION C	FMBV
FLIGHT DATE	30 07 81
PURCHASE ORDER NO.	

CHARTERER: NITHEX ET. LTD

BILLING ADDRESS: 1020-475 Howe
Vancouver, BC V6C 2B2

FUEL & OIL-R	TNTA FUEL USED	HRS.-GALS.	FROM
TNTA CUST	1.4 hrs	XY	

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS - FREIGHT LBS.
XY				
Jubilee mt.				
XY				
Howe Pt		1.4		

APPROVED: P. Richardson

CODE No.: N-102-1

DATE: August 27, 1981

SUB	DATE	AMOUNT
1045	020	630.00
1045	110	55.75

TERMS NET 30 DAYS
 1.75% INTEREST PER MONTH (21% PER ANNUM)
 WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS

WAITING TIME: @ /HR.

FUEL: 30.8 @ 1.81 /GAL. 55.75

FUEL: @ /GAL.

MEALS & LODGING

OTHER

OTHER

CHARTERER'S SIGNATURE: [Signature]

PILOT'S SIGNATURE: [Signature]

INITIALS: REC CO-PILOT'S NAME

ENGINEER'S NAME: JAL J Lister

FLIGHT ATTENDANT

TOTAL \$ 685.75

FLIGHT REPORT INVOICE



TRANS NORTH TURBO AIR LTD.
 BOX 4338, WY. 135E, YUKON TIA 3T6
 TELEPHONE (403) 2177 • TELEX 036 8 290

ACCOUNT NUMBER	2391
56332	
INVOICE DATE	03/08/81
A/C TYPE	B200M AMB
FLIGHT DATE	02/08/81
PURCHASE ORDER NO.	

CHARTERER Nitro mines

BILLING ADDRESS

FUEL & OIL-TNTA	CUST.	TNTA FUEL USED	HRS.-GALS.	FROM
✓		4.9 X1		

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASSENGERS	FREIGHT LBS.
XY					
Jubilee mt.					
CAMP move out					312
RETURN XY					
APPROVED: <u>G. W. Richardson</u>					
CODE No: <u>N-102-1</u>					
DATE: <u>Sept 3 1981</u>					

SUB	S.L.	AMOUNT
1104	50120	2278.50
1104	51110	195.12

4.9 @ 465.00 2278.50
 @
 @
 @

TERMS NET 30 DAYS
 1.75% INTEREST PER MONTH (21% PER ANNUM)
 WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS.

CHARTERER'S SIGNATURE [Signature]

INITIALS REN PILOT'S SIGNATURE [Signature]
 CO-PILOT'S NAME

ENGINEER'S NAME

FLIGHT ATTENDANT JAL J. Lister

WAITING TIME	@	/HR.	
FUEL:	107.8 @ 1.81	/GAL.	195.12
FUEL:	@	/GAL.	
MEALS & LODGING			
OTHER			
OTHER			

TOTAL \$ 2473.62

FLIGHT REPORT INVOICE

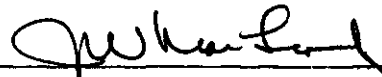
APPENDIX V

ENGINEER'S CERTIFICATE

CERTIFICATE

I, JAMES W. MACLEOD of 1220 Arbutus Street,
in the City of Vancouver, Province of British Columbia, DO HEREBY
CERTIFY:

- (1) THAT I am a Consulting Engineer with a business address
at 1450-625 Howe Street, Vancouver, British Columbia.
- (2) THAT I am a graduate of the University of Alberta
with a B.Sc. degree in Mining Engineering.
- (3) THAT I have actively practiced my profession in mineral
exploration since graduation in 1946.
- (4) THAT I am a Registered Professional Engineer in the
Province of British Columbia.
- (5) THAT I logged the core for the drill holes covered
by this report.
- (6) THAT I have no interest either directly or indirectly
in the property, or securities of Nithex Exploration
Ltd., nor do I expect to receive any.



J.W. MacLeod, B.Sc., P.Eng.

DATED IN THE CITY OF VANCOUVER,
PROVINCE OF BRITISH COLUMBIA
THIS 1st DAY OF SEPTEMBER 1981.