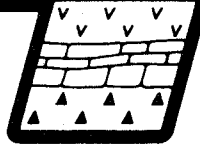


B.E. Spencer Engineering Ltd.



CONSULTING GEOLOGICAL ENGINEER

REPORT ON THE 1987

TAURUS RESOURCES LTD.

FAME EXPLORATION AND DEVELOPMENT PROGRAMME

LIARD MINING DIVISION, N.T.S. 104 P/5E

LATITUDE: 59°20'N, LONGITUDE: 129°47'E

*Extended
Confidential
until*

Mar 31/93

Requested.

CONFIDENTIALITY

FOR

5 YEARS.

BS

BY

B.E. SPENCER, P. ENG.

E. SPENCER ENGINEERING LTD.

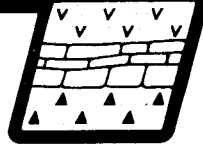
1988

FILMED

16,777

GEOLOGICAL BRANCH
ASSESSMENT REPORT

B.E. Spencer Engineering Ltd.



CONSULTING GEOLOGICAL ENGINEER

REPORT ON THE 1987

TAURUS RESOURCES LTD.

FAME EXPLORATION AND DEVELOPMENT PROGRAMME

LIARD MINING DIVISION, N.T.S. 104 P/5E

LATITUDE: 59°20'N, LONGITUDE: 129°47'E

FILMED

BY

B.E. SPENCER, P. ENG.

B.E. SPENCER ENGINEERING LTD.

MARCH 3, 1988

16,777

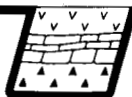
GEOLOGICAL BRANCH
ASSESSMENT REPORT

TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
PROPERTY, LOCATION AND ACCESS	1
LOCATION MAP	following Page 1
INDEX MAP	following Page 1
HISTORY	2
GEOLOGY	3
GEOLOGICAL MAP	following Page 3
DISCUSSION OF FAME EXPLORATION PROGRAMME	4
SUMMARY AND CONCLUSIONS	5
STATEMENT OF QUALIFICATIONS	7

APPENDICES

COST STATEMENT	following Page 7
NOTES REGARDING DRILL LOGS	"
DRILL HOLE LOCATION MAP	"
DRILL LOGS	"
HOPEFUL GOLD MINE GEOLOGICAL REPORT	"
DECLINE MAP - MACK 1 MINERAL CLAIM	"
3375 LEVEL MAP	"



INTRODUCTION

This report is written at the request of Mr. M. Rahal, President of Taurus Resources Ltd.

The report discusses the results of exploration and development programmes conducted during 1987 which were partially funded by the Ministry of Energy, Mines and Petroleum Resources FAME PROGRAMME.

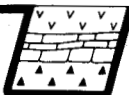
The programme was under the supervision of the Taurus mine engineer and geologist and manuscript maps and drill logs were provided covering the work done. I was not personally involved in this work, but am familiar with the area, having spent considerable time on the site during 1980-1982.

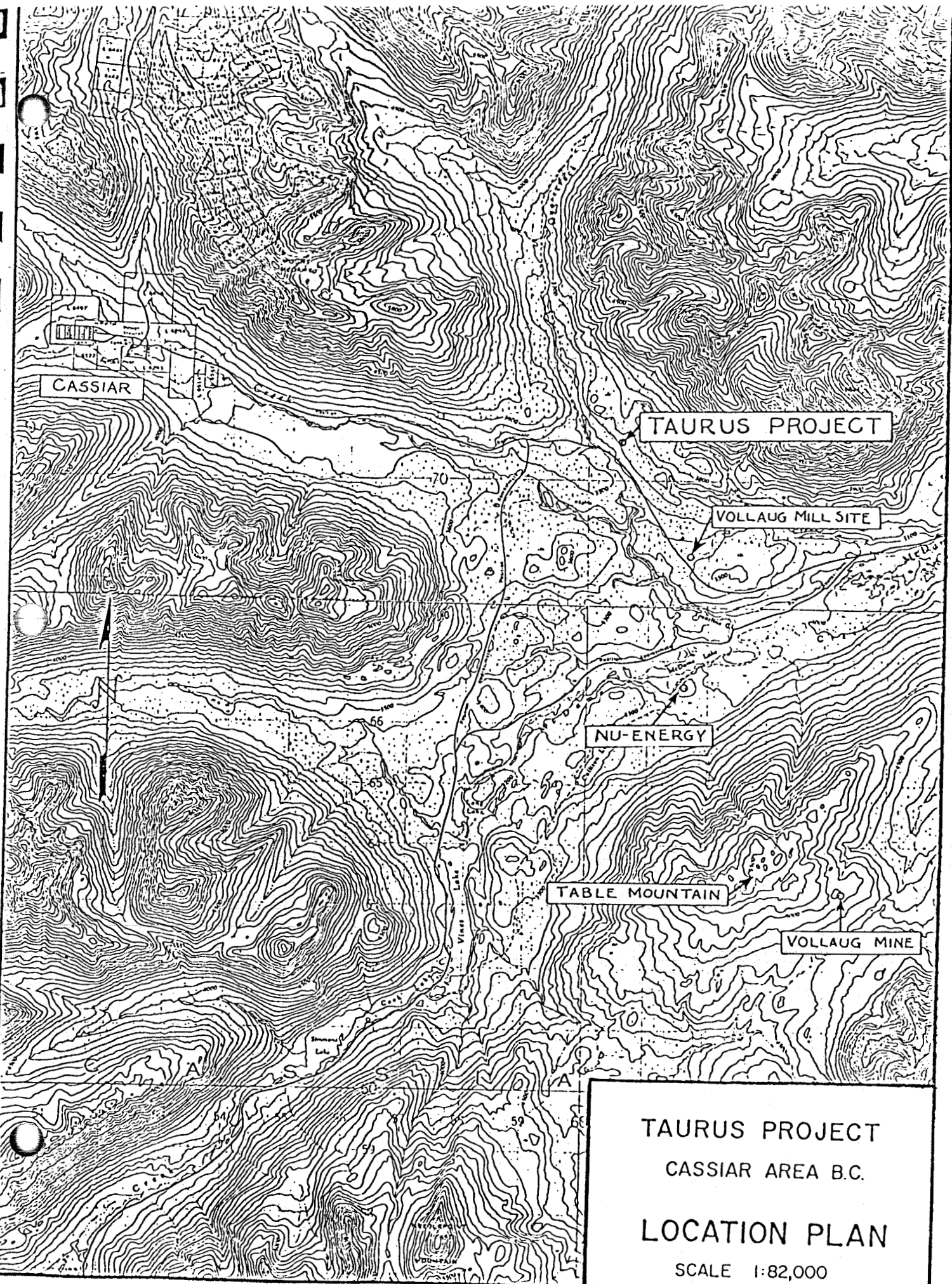
PROPERTY, LOCATION, ACCESS

Taurus Resources Ltd. own a 100% interest in the following claims:

COPCO 1-6	#8213-8218	DOR	#69692
ATLAS 1-12	#69566-69577	PORTAL 1	#1046 (15 units)
ROY 1-4	#55511-55514	PORTAL 2	#1045 (9 units)
TOD 7-8	#57648-57649	MM FR	
THRUST	#7329	(north ½)	#1744
ROY FR	#8515		

The company also holds an option on the Hanna 9 claim, record number 664 - 9 units, with two annual \$10,000 payments required to complete the option terms.





CASSIAR

TAURUS PROJECT

VOLLAUG MILL SITE

NU-ENERGY

TABLE MOUNTAIN

VOLLAUG MINE

TAURUS PROJECT
CASSIAR AREA B.C.
LOCATION PLAN
SCALE 1:82,000

3546E (1780B)

FRED 4 1294(5)
(133.4E)
(133.39A)

LUCKY SHOT
10 3176(A)
5N X 4E

Quartzrock

LUCKY SHOT 5 3222(10)
15 X 5E

TAURUS RESOURCES LTD.

Index Map
Hanna 9 M. C.

Liard M.D.

N.T.S. 104P/5E

Scale 1:3571

DK 1
2890(8)
(5N X 4W)
A.11556

DK 2
2891(8)
(5N X 4E)

AARON 36
2889
(8)
(4N X 2W)
32672

B.C. 5681

ELAN 2

1171 (4)

PORTAL
1046(10)

PORTAL 2
1045(10)

MOUNTAIN DEW

BOZO

718 (9)
41374
5N X 4W

COOT 4
959(9)
COOT 2
957(9)
COOT 3
958(9)
COOT 11
955
(2)

5551 M
ROY 1
M
55513
ROY 3
55512 M
ROY 2
M
55514
ROY 4

(10)
69575
ATLAS
10

69574(10)
ATLAS
9

69622(10)
DOR 1
(10)
69672

621(7)

516 N
MACK 2
515 N
MACK 1

517 M
MACK 3

515 N
MACK 1

8215 M
CORCO 1
8217
CORCO 3

57648 N
57649 N
100 3

69571
69570
(10)

69573
(10)

69571
69570
(10)

664 (9)

RICH VEIN
510(8)

ARGO
J
26121
(1N X 1W)

ALTA 4
805(5)

ALTA 3
804(5)

928 P
HILL
SIDE

929 P
HIGH
GRADE

PANDA
885(7)

7329 M
7329 M
WING
GGLD

69558
69556
(10)

69556
(10)

69558
69556
(10)

69558
69556
(10)

ALSO:
GIN 10
1092(10)

AUREX
III
3237
(10)

AUREX
I
3225
(10)

AUREX
IV
3238
(10)

AUREX
II
3226
(10)

524 N
HOPE
FULL

523 N
HOPE
FULL

525 N
HOPE
FULL

526 N
HOPE
FULL

527 N
HOPE
FULL

528 N
HOPE
FULL

529 N
HOPE
FULL

530 N
HOPE
FULL

531 N
HOPE
FULL

532 N
HOPE
FULL

525 N
HOPE
FULL

526 N
HOPE
FULL

527 N
HOPE
FULL

528 N
HOPE
FULL

529 N
HOPE
FULL

530 N
HOPE
FULL

531 N
HOPE
FULL

532 N
HOPE
FULL

533 N
HOPE
FULL

534 N
HOPE
FULL

525 N
HOPE
FULL

526 N
HOPE
FULL

527 N
HOPE
FULL

528 N
HOPE
FULL

529 N
HOPE
FULL

530 N
HOPE
FULL

531 N
HOPE
FULL

532 N
HOPE
FULL

533 N
HOPE
FULL

534 N
HOPE
FULL

525 N
HOPE
FULL

526 N
HOPE
FULL

527 N
HOPE
FULL

528 N
HOPE
FULL

529 N
HOPE
FULL

530 N
HOPE
FULL

531 N
HOPE
FULL

532 N
HOPE
FULL

533 N
HOPE
FULL

534 N
HOPE
FULL

525 N
HOPE
FULL

526 N
HOPE
FULL

527 N
HOPE
FULL

528 N
HOPE
FULL

529 N
HOPE
FULL

530 N
HOPE
FULL

531 N
HOPE
FULL

532 N
HOPE
FULL

533 N
HOPE
FULL

534 N
HOPE
FULL

525 N
HOPE
FULL

526 N
HOPE
FULL

527 N
HOPE
FULL

528 N
HOPE
FULL

529 N
HOPE
FULL

530 N
HOPE
FULL

531 N
HOPE
FULL

532 N
HOPE
FULL

533 N
HOPE
FULL

534 N
HOPE
FULL

ALSO PAN
2939(9)
(4N X 4W) (3614B)

VAN 393(6)

ALSO
PLAZA
3163(8)

CAMP
897(7)

ALSO:
ORO V-VIII
1238-41(11)

29845' LIARD MINING DIVISION

394

TO SOUTH SIDE

Mining Division Boundary
Indian Reservation

Crown Granted
Reverted C.G. Mineral Claim
Forfeited Mineral Claim

CU
... C.C
U

MIN
DEPAR

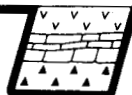
In addition, the Company holds a 2% n.s.r. royalty interest in the adjacent claims of Sable Resources Ltd. These claims are as follows:

MACK 1-4	#515-518
HIGHGRADE	#929
HILLSIDE	#928
HOPEFUL 1-4	#523-526

The property is located in the Liard Mining District, N.T.S. 104P/5E, at a latitude of 59°20'N and a longitude of 129°47'E. Cassiar is 8 kilometres to the west of the claims and a branch off highway 37 to Cassiar provides good access to the area. Watson Lake is located 110 kilometres to the northeast on the Alaska Highway and is serviced by scheduled commercial airlines.

HISTORY

The area has been explored for placer and lode vein gold deposits since 1874 and has experienced several periods of boom activity related to the fluctuations in gold prices. Activity in the area was rekindled in 1978 when mining and milling operations were commenced by Erickson Gold Mining Corporation. On the Taurus Resources Ltd. property extensive underground exploration and development was done in 1961 which formed the basis for a mine-mill operation to commence in 1981. The mill has continued operation to this date at 100 ton per day rate.



GEOLOGY

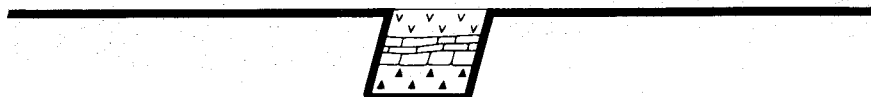
The region is underlain by sediments and volcanics of the Carboniferous-Permian Sylvester Group. Low angle thrust faults and normal east-west striking faults are the dominant structural features. Mapping in 1980 and 1981 by L. Diakow and A. Panteleyev identified four major east-west striking gold-bearing vein zones which include the Hanna system of Taurus Resources Ltd.

At Taurus production has been derived from a 950 foot strike length and 150 foot wide vein system occurring in greenstones. The veins dip steeply south and have extensive wall rock alteration envelopes of pyrite and ankerite. Four veins within the system varying from a few inches to five feet width contained sufficiently consistent values in gold to be mined. The zone is truncated to the east by a steep north-striking shear zone and to the west by a thrust fault trending north and dipping 32 degrees to the east.

The Taurus claims also cover a portion of a second vein system exposed in Snowy Creek which has been explored by trenching and four diamond drill holes collared in 1985.

On the claims of Sable Resources Ltd. 1,500 feet southwest of the Taurus deposit, drilling during 1984 indicated an area with similiar ore potential.

The 1987 FAME Exploration Programme consisted of four components and is discussed below:



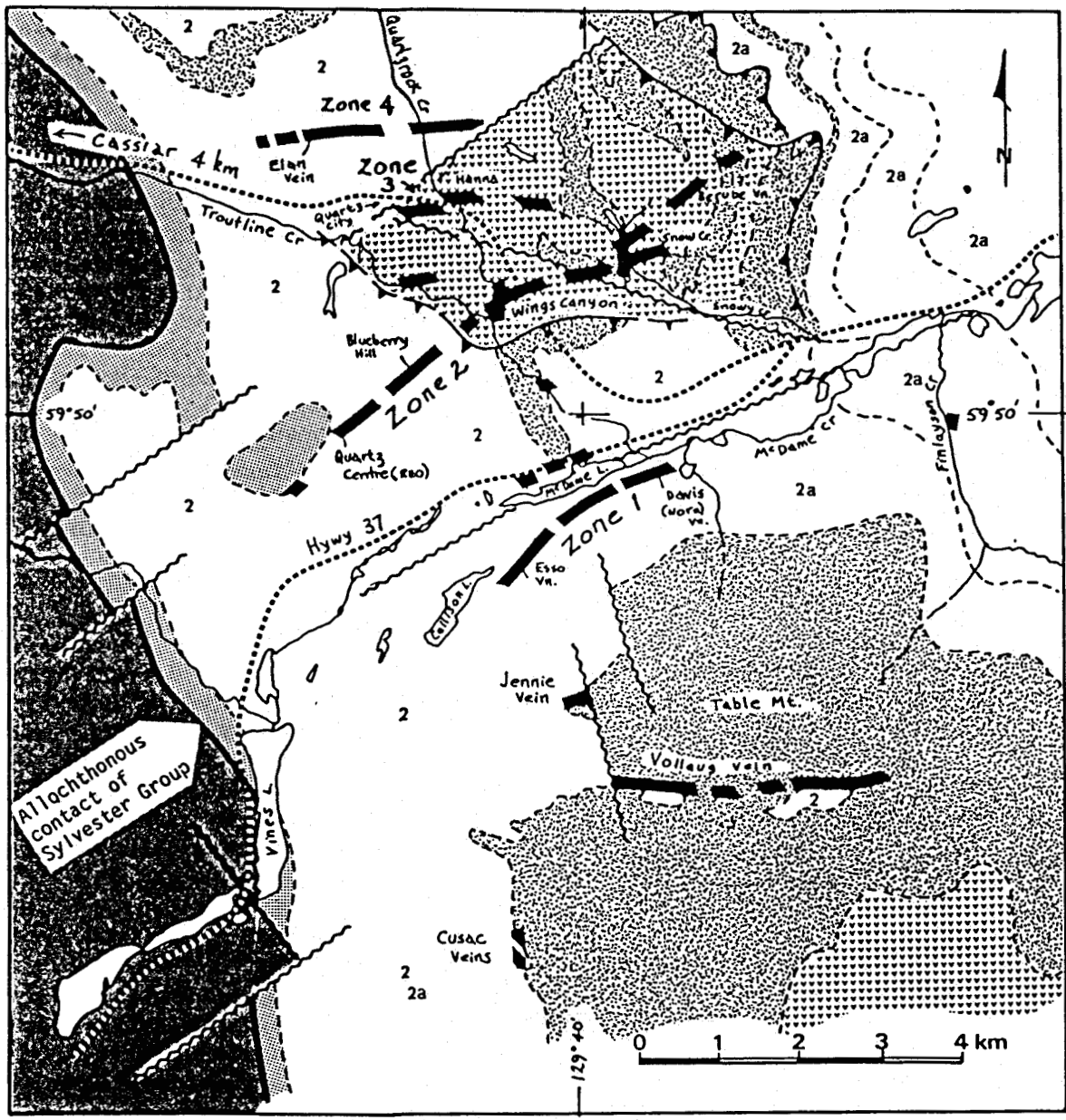


Figure 1. Geology of the McDame map-area.

Report by Diakow & Panteleyev

DISCUSSION OF FAME EXPLORATION PROGRAMME

(1) Snowy Creek Drill Programme

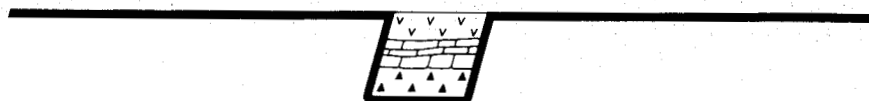
Previous trenching and drilling on the Snowy Creek vein system indicated three veins with low grade but possibly significant gold values. Three holes were drilled during 1987 to test these veins on strike and check for additional parallel veins. These holes, 87-5 to 7 intersected several narrow veins with gold values less than 0.1 ounces gold per ton. Additional work here is not warranted at this time.

(2) Sable Resources Ltd. Drill Programme

Three holes 87-1 to 3 were drilled to further evaluate the mineralized area indicated by diamond drilling during 1984. Hole 87-2, collared near the decline portal was abandoned at 60 feet in overburden. Hole 87-1 was collared 200 feet north of the mineralized area and intersected a thrust fault before reaching the target. This fault may correlate with a thrust fault mapped by A. Panteleyev in Troutline Creek some 2,500 feet to the east.

Further work is required to define this structure as it probably will define the vertical limit of mineralization. In addition, it may be of importance in ore deposition with the best gold values occurring in vertical veins occurring for a limited distance above the thrust as may be the case with the Taurus deposit.

Hole 87-3 was drilled to test the two southernmost veins of the Sable system and check for additional veins to the south. Significant intersections in this



are 135'-136' at 0.205 ounces gold per ton, and 43.5'-45' at 0.32 ounces gold per ton. These intersections may correlate with previous intersections but this is uncertain at present and additional work is required.

(3) Taurus 3375 Level - Drift Extensions

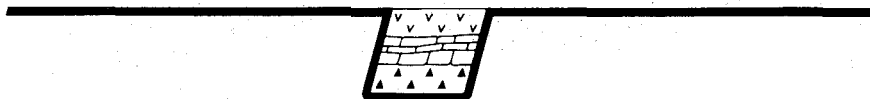
On the Taurus 3375 level three veins were exposed by drifting and four drift faces had sufficiently encouraging mineralization to warrant extending these headings. Fifty-three metres of drifting was undertaken on these headings. Mineralization was encountered over narrow widths but there was insufficient continuity or widths to justify mining or additional drifting.

(4) Sable Decline

As previously discussed, diamond drilling during 1984 intersected several very encouraging veins along the 300 foot strike length which was explored. Underground exploration and development of this area was warranted and to this end a 153 metre decline was driven to initiate this programme. Work here is continuing and the results to date are contained in a report by Richard Lemoine, Mine Geologist a copy of which is enclosed in the Appendix.

SUMMARY AND CONCLUSIONS

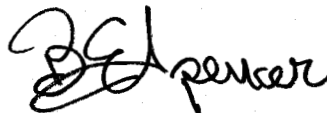
During 1987 six diamond drill holes totalling 643 metres were drilled on the Snowy Creek and Taurus - Hopeful gold bearing vein systems.



Results were negative on the Snowy Creek system and no further work is warranted here. Results on the Taurus - Hopeful system confirm the presence of gold-bearing veins and have identified a thrust fault structure which will likely limit the depth of the veins and may influence the distribution of gold values as well. Further work is required to define this structure as it is important to the long term exploration and mine development plans.

Underground drifting on the Taurus 3375 Level totalled 53 metres and did not expose any significant gold values. No further work is planned here.

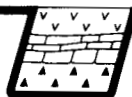
On the MACK 1 claim of Sable Resources Ltd. a 153 metre decline was driven to begin exploration and development on gold-bearing veins discovered in a 1984 drill programme. Drifting on these veins is now in progress and results to date have been encouraging. This area has the potential to contain 100,000 to 200,000 tons of ore and warrants extensive exploration.



Bruce E. Spencer, P. Eng.

BES:jz

March 3, 1988



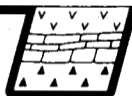
STATEMENT OF QUALIFICATIONS

I, Bruce Everton Spencer, of the City of Vancouver, in the Province of British Columbia hereby certify as follows:

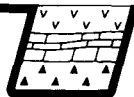
- 1) I am a Geological Engineer residing at 7 - 2485 Cornwall Avenue, Vancouver, British Columbia V6K 1B9
- 2) I am a registered Professional Engineer of the Province of British Columbia
- 3) I am a graduate of the University of British Columbia with a degree of B.A. Sc. (1958).
- 4) I have practised my profession as a Geologist for more than twenty-five years.
- 5) The exploration and development programme was under the direction of Richard Lemoine - Mine Geologist, and Daniel Dumaine - Mine Engineer.

March 3, 1988
Date

B. E. Spencer
Bruce Everton Spencer, P. Eng.



APPENDICES



SCHEDULE A

TAURUS RESOURCES LTD.

COST STATEMENT

Diamond Drill Exploration
Program

1. Room and Board		
- 152 man days @ \$50.00/day		\$ 7,600.00
2. Diamond Drilling Costs		
- D.J. Drilling Company Ltd.		
- 643 m @ \$144.08/m		92,640.60
- Fuel		
- 3,646 litres diesel	\$ 1,865.23	
- 598 litres gas	<u>316.81</u>	2,182.04
3. Geology and Engineering		
- R. Lemoine - 317½ hrs. @ \$15.67/hr.		4,975.14
- J. Montgomery - 6½ days @ \$400.00/day		2,600.00
4. Transportation		
- Airfares	\$ 1,701.42	
- Miscellaneous	<u>65.25</u>	1,766.67
5. Assays		
- 34 diamond drill assays @ \$10.00		<u>340.00</u>
TOTAL DIAMOND DRILL EXPLORATION PROGRAM		<u>\$ 112,104.45</u>

SCHEDULE B

TAURUS RESOURCES LTD.

COST STATEMENT

Underground Exploration
Program

Note: Total number of feet mined from November 1 - December 31, 1987 was 299.5 feet. Lateral development exploration consisted of 172.5 feet or 58%.

1.	Room and Board	
	- 217 man days @ \$30.00/day	\$ 6,510.00
2.	Mine Power	
	- 2 mos. @ \$7,250.00/mo.	14,500.00
3.	Labour and Wages and Benefits	
	- Underground and Surface	
	- 58% of \$70,857.73	41,097.48
4.	Engineering and Geology	
	- 58% of \$6,544.73	3,795.94
5.	Mine Supervision	
	- 58% of \$1,824.26	1,058.07
6.	Assays	
	- 58% of \$4,144.26	2,403.67
7.	General Mine Expenses	
	- 58% of \$58,461.83	33,907.86
	(includes compressed air, drill & drill supplies, track & trackless transportation equipment, slushers & tuggers, small tools, ventilation and underground heat)	<hr/>
	TOTAL UNDERGROUND EXPLORATION PROGRAM	\$ 103,273.02
		<hr/> <hr/>

SCHEDULE C

TAURUS RESOURCES LTD.

COST STATEMENT

Underground Exploration Program

Sable Resources Ltd. Property

1.	Room and Board and Subsidy		
	- 179 man days @ \$30.00/day	\$ 5,370.00	
	- 1 subsidy @ \$400.00/month	<u>400.00</u>	\$ 5,770.00
2.	Mine Power		
	- 22,241 kwh @ \$.25/kwh		5,560.00
3.	Labour and Wages and Benefits		
	- Underground		63,809.27
	- Surface		4,387.60
4.	Engineering and Geology		2,408.93
5.	Mine Supervision		662.20
6.	Assays		
	- 71 assays @ \$5.00/assay		355.00
	- 5 diamond drill assays @ \$10.00/assay		50.00
7.	Transportation and Shipping		888.01
8.	Explosives		68,025.03
9.	Fuel		
	- 19,496 litres @ \$.4103/litre		7,998.85
10.	Equipment Rental		
	- Truck, mine tools, fan & pumps		5,950.00

11. General Mine Supplies \$ 16,602.66
(includes equipment supplies, drill &
drill supplies) _____

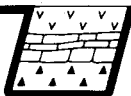
TOTAL UNDERGROUND EXPLORATION PROGRAM
SABLE RESOURCES LTD. PROPERTY \$ 182,467.57
=====

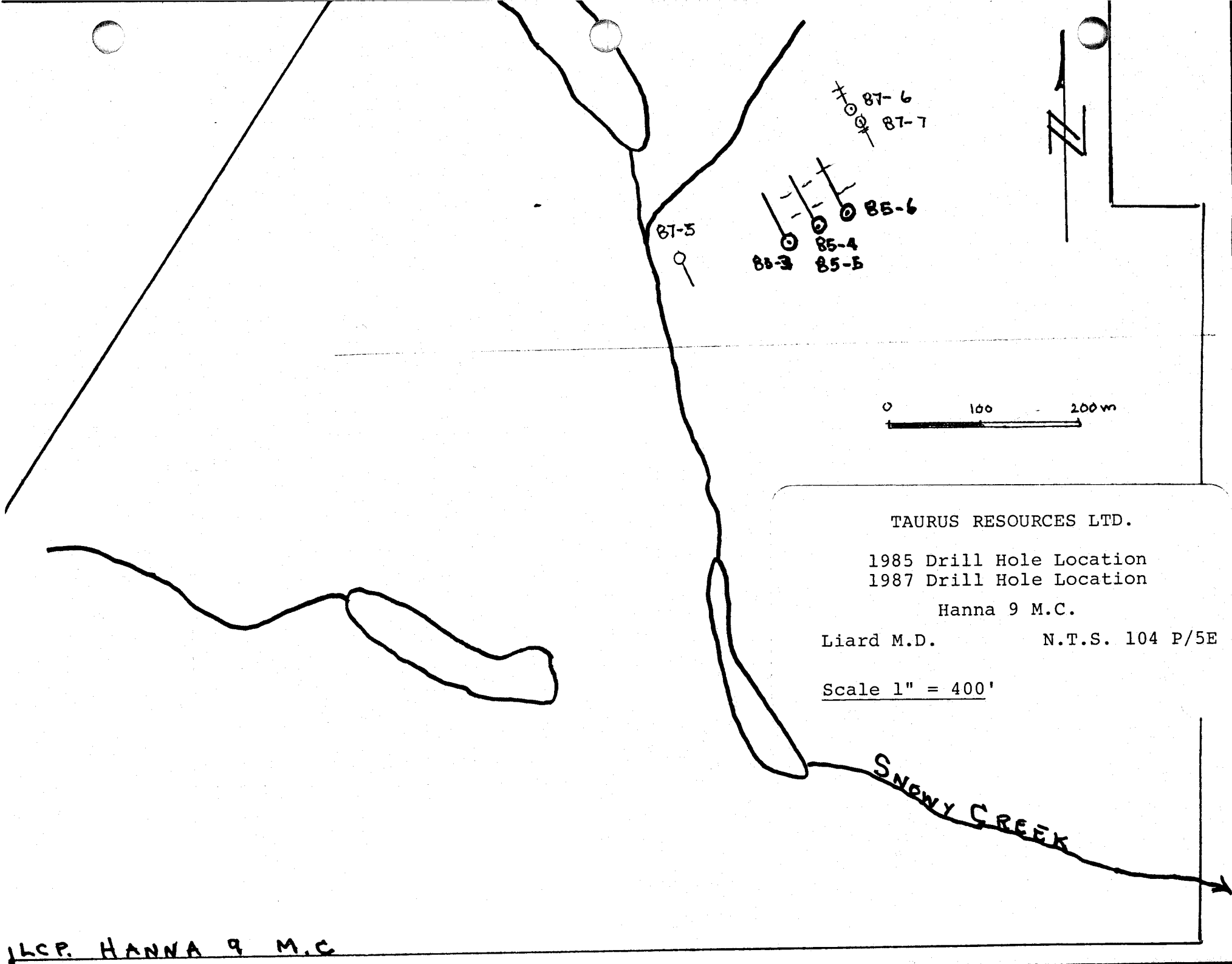
NOTES REGARDING DRILL LOGS

- 1) All holes were logged by R. Lemoine, Mine Geologist
- 2) Core size is B.Q. wireline
- 3) Drill core is stored on the property
- 4) The holes were collared and completed as follows:

Hole	Collared	Complete
1	Nov. 30/87	Dec. 7/87
2	Dec. 8/87	Dec. 10/87
3	Dec. 11/87	Dec. 16/87
4	Not Drilled	
5	Nov. 22/87	Nov. 26/87
6	Nov. 13/87	Nov. 17/87
7	Nov. 17/87	Nov. 21/87

- 5) Hole 2 was collared at 9905N, 8875E. and drilled on a 360° bearing at -45°N. The hole was abandoned at 60 feet in overburden.





TAURUS RESOURCES LTD.

1985 Drill Hole Location
1987 Drill Hole Location

Hanna 9 M.C.

Liard M.D.

N.T.S. 104 P/5E

Scale 1" = 400'

LCR. HANNA 9 M.C.

DIAZONINE DRILL LOG

DRILL HOLE - H87-1

ELEVATION - 3390'

NORTHING - 1020

BEARING - 180°

EASTING - 8275

TOTAL LENGTH - ~~459'~~
PL = 324.5'

DIP - 45° S

FROM

TO

LITHOLOGY

0.0

52.0'

OVERBURDEN. BOULDERS TO
PEBBLES OF VOLCANIC
(MAFIC & INTERMEDIATE) COMPOSITION
AND FELSIC GRANITIC ROCKS.

52.0

127.0'

BROKEN BEDROCK OF INTERMEDIATE
VOLCANIC COMPOSITION, FINE/MEDIUM
GRAINED, GREYISH @ MINOR PYRITE.

127.0 - 143.0

GREYISH FINE/MEDIUM INTERMEDIATE
VOLCANICS.

143.0 - 146.0

QUARTZ VEIN @ STRINGER PYRITE
AND 15% PYRITOHEDRAL PYRITE.
SAMPLE - 1880 E (.264 au oz/ton)
CONTACT ?

146.0 - 147.0

INTERMEDIATE VOLCANICS.

147.0 - 149.0

QUARTZ VEIN @ ~10% DISSEMINATED
PYRITE. CONTACT ?
SAMPLE - 1882 E (0.030 oz/ton)

149.0 - 168.0

INTERMEDIATE VOLCANICS.

168.0 - 175.0'

FINE/MEDIUM GRAINED, GREENISH
SLIGHTLY CHLORITIZED MAFIC VOLCANIC
("GREENSTONE")

175.0 - 182.0'

INTERMEDIATE VOLCANICS.

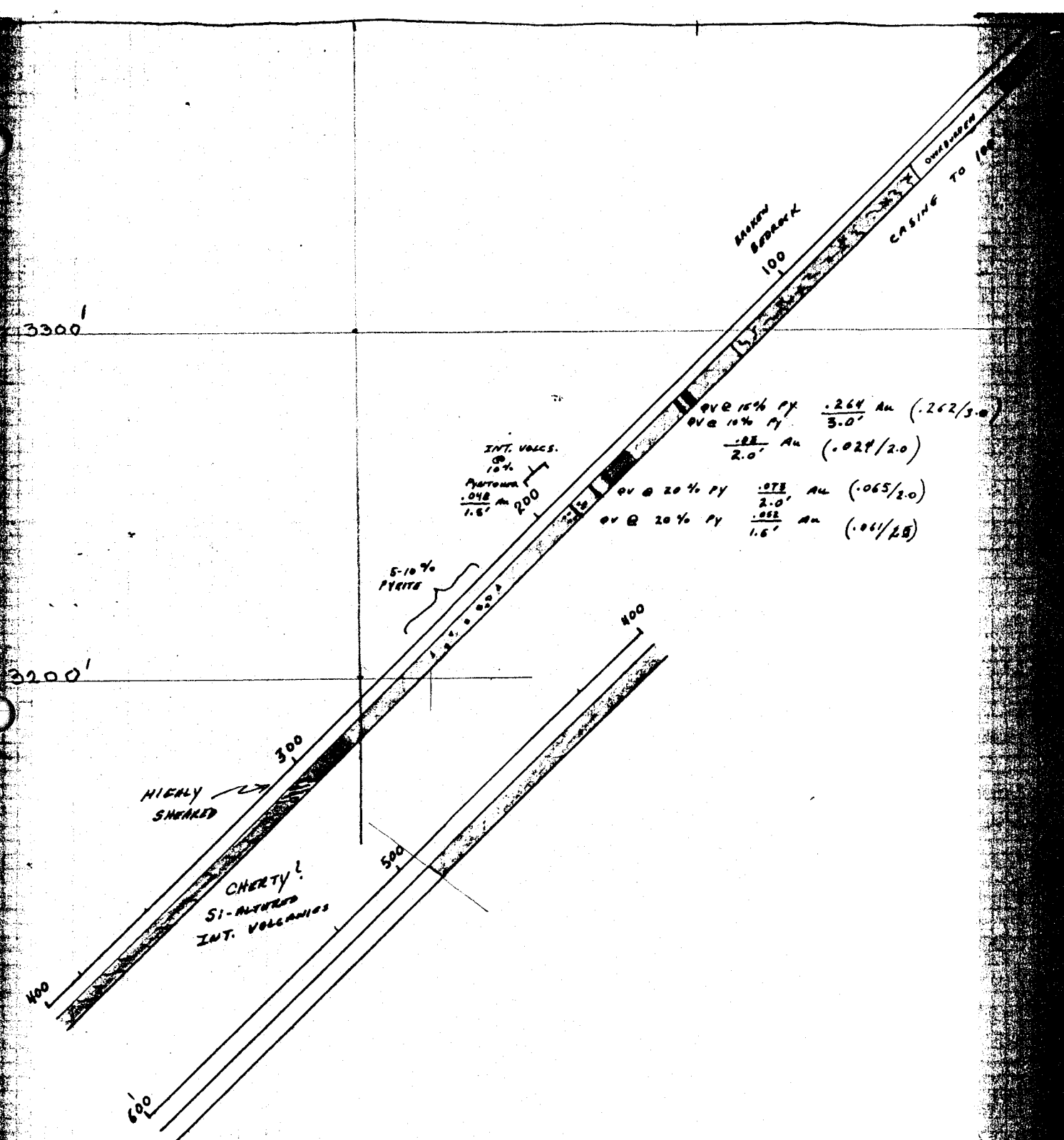
182.0 - 184.0'

QUARTZ VEIN @ DISSEMINATED
AND STRINGER PYRITE (20%)
SAMPLE - 1881 B (0.073 oz/ton)

184.0 - 185.0'

INTERMEDIATE VOLCANICS.

<u>FROM</u>	<u>TO</u>	<u>LITHOLOGY</u>
185.0	189.0'	INTERMEDIATE VOLCANICS @ ~10% PYRITOHEDRANS.
189.0	190.5'	QUARTZ VEIN @ STRINGER AND DISSEMINATED PYRITE (20%) SAMPLE - 1883B (0.052 oz/ton)
190.5	192.0'	INTERMEDIATE VOLCANICS @ ~10% PYRITOHEDRAN PYRITE. SAMPLE - 1884B (0.048 oz/ton)
192.0	218.0'	INTERMEDIATE VOLCANICS. SLIGHT INCREASE IN CHLORITE CONTENT @ 215 FEET.
218.0	253.0'	INTERMEDIATE VOLCANICS @ 5-10% PYRITE, (PYRITOHEDRANS AND FINE GRAINED BLEBS).
253.0	286.0'	INTERMEDIATE VOLCANICS @ MINOR PYRITE (~2% PYRITOHEDRANS).
286.0	309.0'	BLACK/GREY APHANITIC, SILICEOUS ARGILLITE? ASH? @ TRACE SULFIDES (~1%).
309.0	495.0'	HIGHLY SCHISTOSE (GRAPHITIC?) SILICEOUS ARGILLITE/ASH? (SHEAR ZONE?) POSSIBLY WHAT TRENNAMAN/SPEER MAPPED AS CHERT (M+ UNIT) FROM 400-495' LESS SCHISTOSE DENSE, BLACK/GREY SILICEOUS.
FOH @	495'	



<h1>SABLE</h1> <p>RESOURCES, CASSIAR, B</p>	
<h2>DDH H87-1 HOPEFUL PROPERTY</h2>	
BEARING: 180°	DIP: 45°
SCALE: 1: 480	LENGTH:
NORTHING: 10,200 N	COLLAR ELEVATION:
EASTING: 8275 E	

DRILL HOLE - H 81-S

ELEVATION - 5500

NORTHING - 9905

BEARING - 180°

EASTING - 307

DIP - 45° S

8075.E

TOTAL LENGTH - ~~445'~~
341'

<u>FROM</u>	<u>TO</u>	<u>LITHOLOGY</u>
0.0	15.0	CASING
15.0	43.5	Fg/Mg GREY INTERMEDIATE VOLCANICS @ 5% PYRITE.
43.5	45.0	QUARTZ VEIN @ 2.5% PYRITE SAMPLE - 1885 B .320/1.5'
45.0	59.0	INTERMEDIATE VOLCANICS
59.0	80.0	Fg SCHISTOSE, CHLORITIC MAFIC VOLCANICS. "GREENSTONE".
80.0	100.0	INTERMEDIATE VOLCANICS.
100.0	101.0	QUARTZ VEIN @ 5% PYRITE. SAMPLE - 1886 B .027/1.0'
101.0	105.5	INTERMEDIATE VOLCANICS
105.5	106.0	QUARTZ VEIN @ 5% PYRITE SAMPLE - 1887 B .031/1.0'
106.0	109.0	INTERMEDIATE VOLCANICS.
109.0	109.4	QUARTZ VEIN. MINOR PYRITE SAMPLE - 1888 B .102/5"
109.4	121.0	INTERMEDIATE VOLCANICS. .096/1.5'
121.0	126.0	QUARTZ VEINS AND ALTERED INT. VOLCANICS. SAMPLE - 1889 B

<u>FROM</u>	<u>TO</u>	<u>LITHOLOGY</u>
126.0	133.0	INTERMEDIATE VOLCANICS.
133.0	134.0	QUARTZ VEIN @ MINOR PYRITE. SAMPLE - 1890 B .038/1.0'
134.0	135.0	INTERMEDIATE VOLCANICS.
135.0	136.0	QUARTZ VEIN @ MINOR PYRITE. SAMPLE - 1891 B .205/1.0'
136.0	141.5'	INTERMEDIATE VOLCANICS.
141.5	142.0'	QUARTZ VEIN @ 5% PYRITE SAMPLE - 1892 B .039/6"
142.0	180.0'	INTERMEDIATE VOLCANICS.
180.0'	199.0'	"GREENSTONE"
199.0'	218.0'	INTERMEDIATE VOLCANICS.
218.0'	221.0'	QUARTZ VEIN @ 15% PYRITE. SAMPLE - 1893 B .099/3.0'
221.0'	226.0'	INTERMEDIATE VOLCANICS.
226.0	227.0	QUARTZ VEIN. MINOR PYRITE. SAMPLE - 1894 B .031/1.0'
227.0	251.0	INTERMEDIATE VOLCANICS.
251.0	281.0	"GREENSTONE"
281.0	300.0	INTERMEDIATE VOLCANICS
300.0'	325.0'	"GREENSTONE"

FROM

325.0

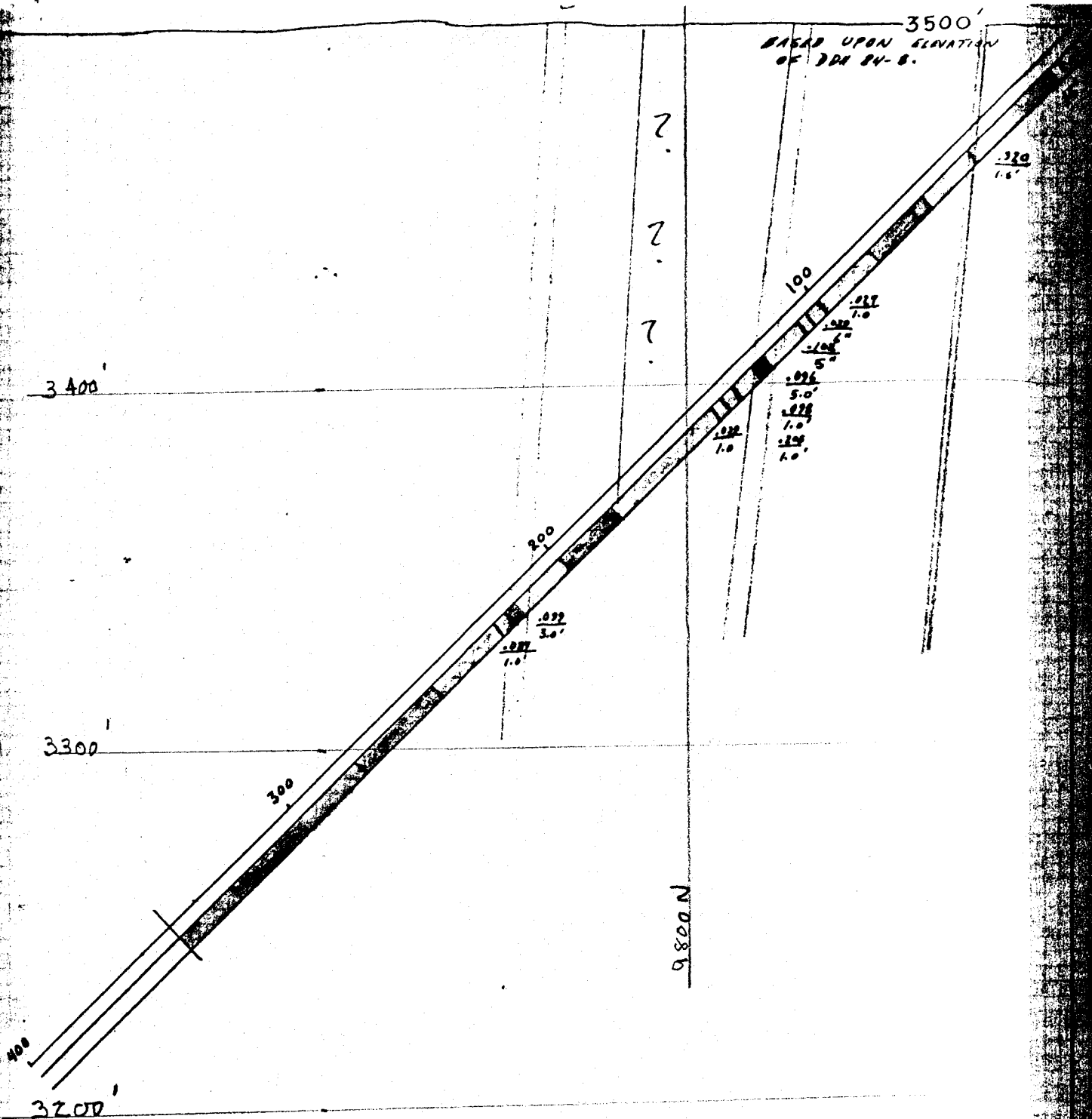
TO

~~344.0~~

345.0

LITHOLOGY

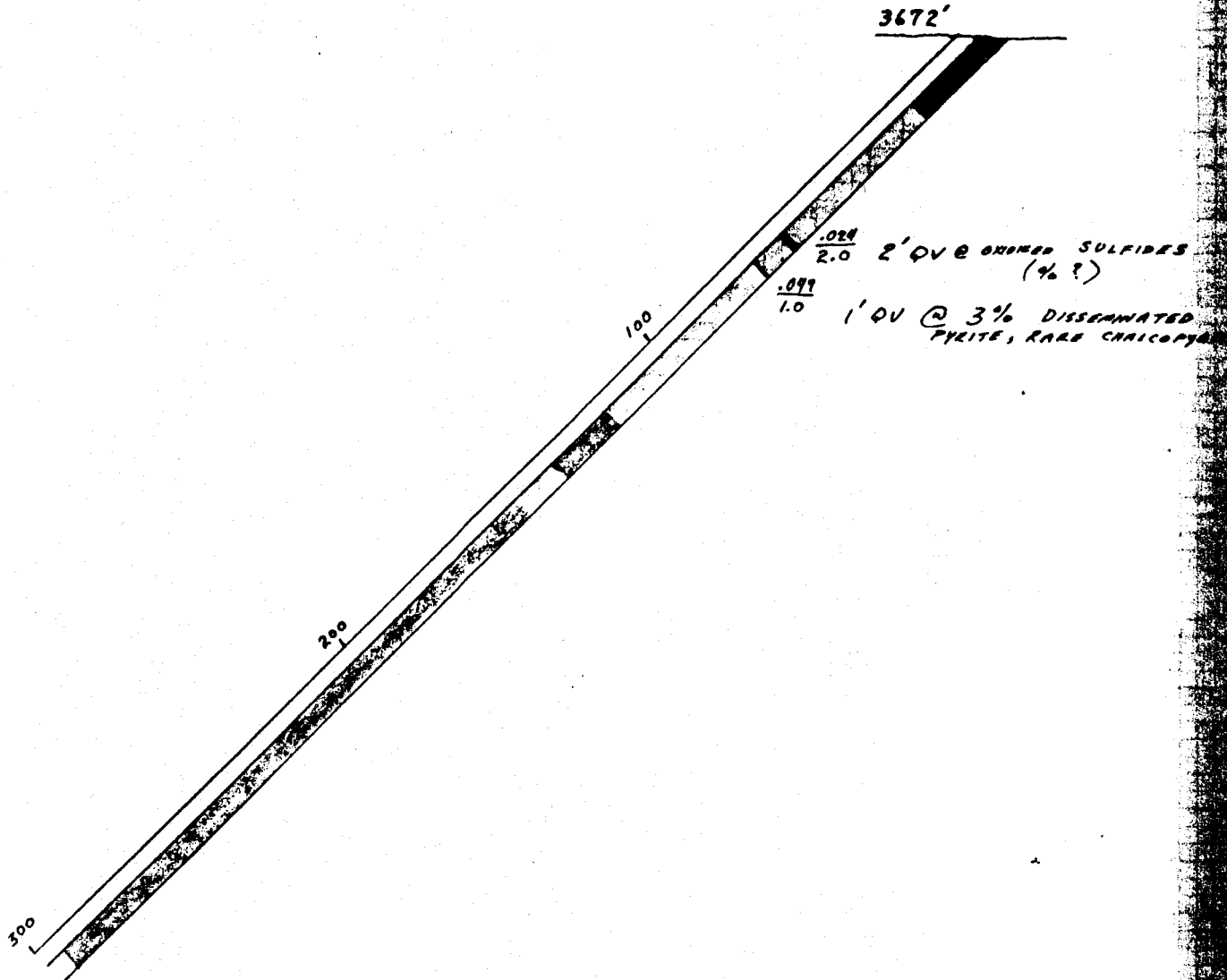
INTERMEDIATE VOLCANICS



SABLE	
RESOURCES, CASSIAR, B.C.	
DDH H87-3	
HOPEFULL PROPERTY	
BEARING: 180°	DIP: 45°S
SCALE: 1:480	LENGTH:
NORTHING: 9905 N	COLLAR AT
EASTING: 7000 E	ELEVATION: 3500'

DRILL HOLE- 87-5 ELEVATION-3672' NORTHING-9300
 BEARING-130° EASTING-15300
 TOTAL LENGTH- 297 FEET DIP- 45° SE

<u>FROM</u>	<u>TO</u>	<u>LITHOLOGY</u>
0.0	10.0	CASING
10.0	45.0 60.0	OXIDIZED MEDIUM GRAINED INTERMEDIATE VOLCANICS WITH 3-5% DISSEMINATED PYRITE AND PYRITOMELANS.
60.0	63.0	MEDIUM GRAINED INTERMEDIATE VOLCANICS, GREYISH COLOUR.
63.0	65.0	QUARTZ VEIN @ OXIDIZED SULFIDE MINERALIZATION (%?). SAMPLE - 1878 B .024/2.0
65.0	70.0	GREYISH INTERMEDIATE VOLCANICS
70.0	71.0	QUARTZ VEIN @ MINOR DISSEMINATED PYRITE AND CHALCOPYRITE. SAMPLE - 1879 B .047/1.0'
71.0	117.0	GREYISH FINE/MEDIUM INTERMEDIATE VOLCANICS @ MINOR PYRITE (2%).
117.0	135.0	FINE/MEDIUM GRAINED, GREENISH CHLORITIZED, SCHISTOSE MAFIC VOLCANICS ("GREENSTONE").
135.0	145.0	GREYISH INTERMEDIATE VOLCANICS
145.0	297.0	GREENSTONE.
		EOH @ 297.0



TAURUS RESOURCES, CASSIAR, B.C.	
DDH 87-5 SNOWY CREEK PROPERTY	
BEARING: 130°	DIP: 45° SE
SCALE: 1:480	LENGTH: 300
NORTHING: 9300 N EASTING: 15300 E	COLLAR ELEVATION: 367

DIAMOND DRILL LOG

DRILL HOLE - 87-6 ELEVATION - 3965 FT NORTHING - 9300
BEARING - 330° EASTING - 15900
TOTAL LENGTH - 491 FEET DIP - 45° NW

<u>FROM</u>	<u>TO</u>	<u>LITHOLOGY</u>
0.0	10.0 FEET	CASING
10.0	10.5	QTZ VEIN, OXIDIZED YELLOW-BROWN COLOUR. NO VISIBLE MINERALIZATION.
		ANALYSIS - 1851.5 10.0-11.0 FEET (.036)
10.5	23.5	FINE GRAINED GREYISH INTERMEDIATE VOLCANICS (ANDSITE?) WITH MINOR 1-2cm THICK QUARTZ VEINLETS AND FINELY DISSEMINATED PYRITE
23.5	48.5	FINE-MEDIUM GRAINED GREEN CHLORITIC MAFIC VOLCANICS ("GREENSTONE"). STOCKWORK CHLORITE VEINLETS (1-2mm). MINOR FINELY DISSEMINATED PYRITE, AND PYRITE STRINGERS ALONG CHLORITIC VEINLETS.
48.5	63.5	FINE-MEDIUM GRAINED CHLORITIZED MAFIC VOLCANICS ("GREENSTONE")
63.5	82.0	GREENSTONE.
82.0	105.0	GREENSTONE. PILLOW SELVAGES
105.0	119.0	GREENSTONE.
119.0	127.0	FINE-MEDIUM GRAY/GREEN INTERMEDIATE VOLCANICS WITH 5% 0.5mm SUBHEDRAL WHITISH FELDSPAR PHENOCRYSTS.

LITHOLOGY

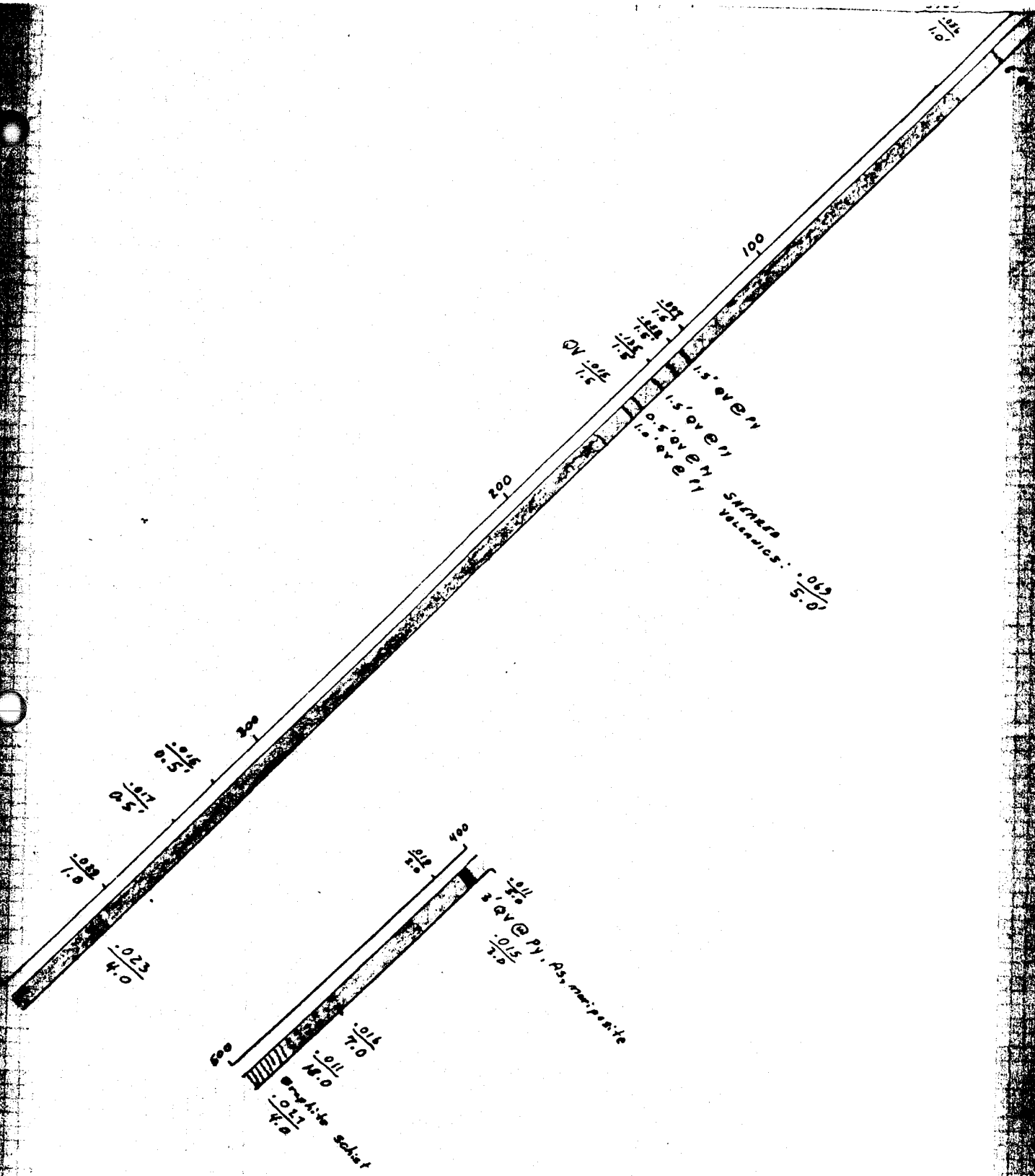
<u>FROM</u>	<u>TO</u>	<u>LITHOLOGY</u>
127.0	131.0	AS ABOVE INTERMEDIATE VOLCANICS. FELDSPAR PHENOCRYST CONTENT INCREASE TO 30% AND APPEAR TO CLUSTER.
131.0	135.0	FINE-MEDIUM GRAY/BROWN INTERMEDIATE VOLCANICS, SILICIFIED MINOR FINELY DISSEMINATED PYRITE
135.0	135.5	AS ABOVE, WITH 2-5mm PYRITOHEDRONS (15%) AND MINOR 5mm THICK QUARTZ VEINLETS. ARSENOPYRITE (~3%). SAMPLE - 1852 B 135-135.5 FEET (.097)
135.5	137.0	VEIN QUARTZ WITH PYRITOHEDRONS AND 1.0cm PYRITE BLEBS (5%) SAMPLE - 1853 B 135.5-137 FEET CORE AXIS/VEIN: 40° (.058)
137.0	138.5	FINE-MEDIUM GRAY/GREEN INTERMEDIATE VOLCANICS WITH QUARTZ VEINLETS. MINOR FINELY DISSEMINATED PYRITE. SAMPLE - 1854 B 137-138.5 FEET (.135)
138.0 138.5	139.0	FINE-MEDIUM GRAINED GRAY/BROWN INTERMEDIATE VOLCANICS BRECCIATED.
139.0	140.5	VEIN QUARTZ WITH 5% PYRITE BLEBS AND STAINERS. SAMPLE - 1855 B 139-140.5 FEET (.0153) CORE AXIS/VEIN: 42°
140.5	141.0	SHEARED INTERMEDIATE VOLCANICS
141.0	144.0	MEDIUM GRAINED INTERMEDIATE VOLCANICS WITH 1.0mm SUBHEDRAL

<u>FROM</u>	<u>TO</u>	<u>LITHOLOGY</u>
144.0	146.0	FINE-MEDIUM GRAINED GRAY/BROWN INTERMEDIATE VOLCANICS WITH PYRITHEDRANS.
146.0	148.0	VEIN QUARTZ WITH VERY FINE DISSEMINATED PYRITE.
148.0	149.0	SHEARED CO ₂ -ALTERED INTERMEDIATE VOLCANICS @ DISSEMINATED PYRITE. SAMPLE - 1851 B. 144-149 FEET (.069)
149.0	156.0	GRAY/BROWN INTERMEDIATE VOLCANICS.
156.0	156.5	VEIN QUARTZ @ PYRITE BLEBS AND STRINGERS (5%). SAMPLE - 1868 B. 156-156.5 FEET (.025)
156.5	159.0	FINE GRAINED GRAY INTERMEDIATE VOLCANICS WITH 15% PYRITHEDRANS. SAMPLE - 1819 B. 156.5-159 FEET (.027)
159.0	160.0	VEIN QUARTZ WITH PYRITE BLEBS (~5%). SAMPLE - 1870 B. 159-160 FT. (.029)
160.0	165.0	INTERMEDIATE VOLCANICS WITH 3% PYRITHEDRANS.
165.0	174.0	GREENSTONE.
174.0	192.0	GREENSTONE
192.0	316.0	GREENSTONE.
316.0	316.0 325.0	GREENSTONE; SILICIFIED @ MINOR DISSEMINATED PYRITE (.015)

<u>FROM</u>	<u>TO</u>	<u>LITHOLOGY</u>
331.0	331.5	GREENSTONE @ POTASSIC ALTERATION SAMPLE - 1858 B 331-331.5 FT. (.017)
335.0	353.0	GREENSTONE
353.0	357.0	GREENSTONE
357.0	358.0	GREENSTONE WITH 1" QTZ VEINLET @ PYRITE, ARSENOPIRITE. SAMPLE - 1859 B 357-358 (.029)
358.0	365.0	GREENSTONE
365.0	367.0	INTERMEDIATE VOLCANICS GREENSTONE WITH QUARTZ VEINLETS AND FINELY DISSEMINATED PYRITE. SAMPLE - 1860 B 365-367 FT. (.011)
367.0	371.0	INTERMEDIATE VOLCANICS WITH QTZ VEINLETS (1"). SAMPLE - 1861 B 367-371 FT. (.023)
371.0	390.0	GREENSTONE. HIGHER CHLORITIC CONTENT WITH INCREASED ° OF SCHISTOSITY.
390.0	399.0	GREENSTONE.
399.0	404.0	GREY/BROWN INTERMEDIATE VOLCANICS WITH DISSEMINATED PYRITE. SAMPLE - 1862 B 399-404 (.04)
404.0	407.0	VEIN QUARTZ WITH PYRITE, ARSENOPIRITE MARIPOSITE. SAMPLE - 1863 B 404-407 FT. (.015)

<u>FROM</u>	<u>TO</u>	<u>LITHOLOGY</u>
407.0	409.0	INTERMEDIATE VOLCANICS WITH DISSEMINATED PYRITE. SAMPLE - 1864 B. 407-409 FT. (.019)
409.0	428.0	GRAY INTERMEDIATE VOLCANICS.
427.0	443.5	GREENSTONE.
443.5	456.0	GREENSTONE.
456.0	463.0	GRAY INTERMEDIATE VOLCANICS WITH PERVASIVE QUARTZ VEINLETS BRECCIATED, SILICIFIED. (FAULT ZONE) SAMPLE - 1865 B. 456-463 FEET (.016)
463.0	487.0	GRAY BRECCIATED, SILICIFIED INTERMEDIATE VOLCANICS WITH PERVASIVE QUARTZ VEINLETS. SAMPLE - 1866 B. 463-481 FEET (.011)
487.0	491.0	BLACK GRAPHITIC SCHISTOSE ROCK. SCHISTOSITY/COLEFAXIS: 10° SAMPLE - 1867 B. 487-491 FEET. (.027)

FOH @ 491.0 FEET.



TAURUS RESOURCES CASSIAR,	
DDH 87-6 SNOWY CREEK PROPERTY	
BEARING: 330°	DIP: 45° NW
SCALE: 1:480	LENGTH: 500'
NORTHING: 9800N	COLLAR ELEVATION: 5000'
EASTING: 15200E	

DIAMOND DRILL LOG

DRILL HOLE- 87-7

ELEVATION- 3965' NORTHING- 9800

BEARING- 130° EASTING- 15900

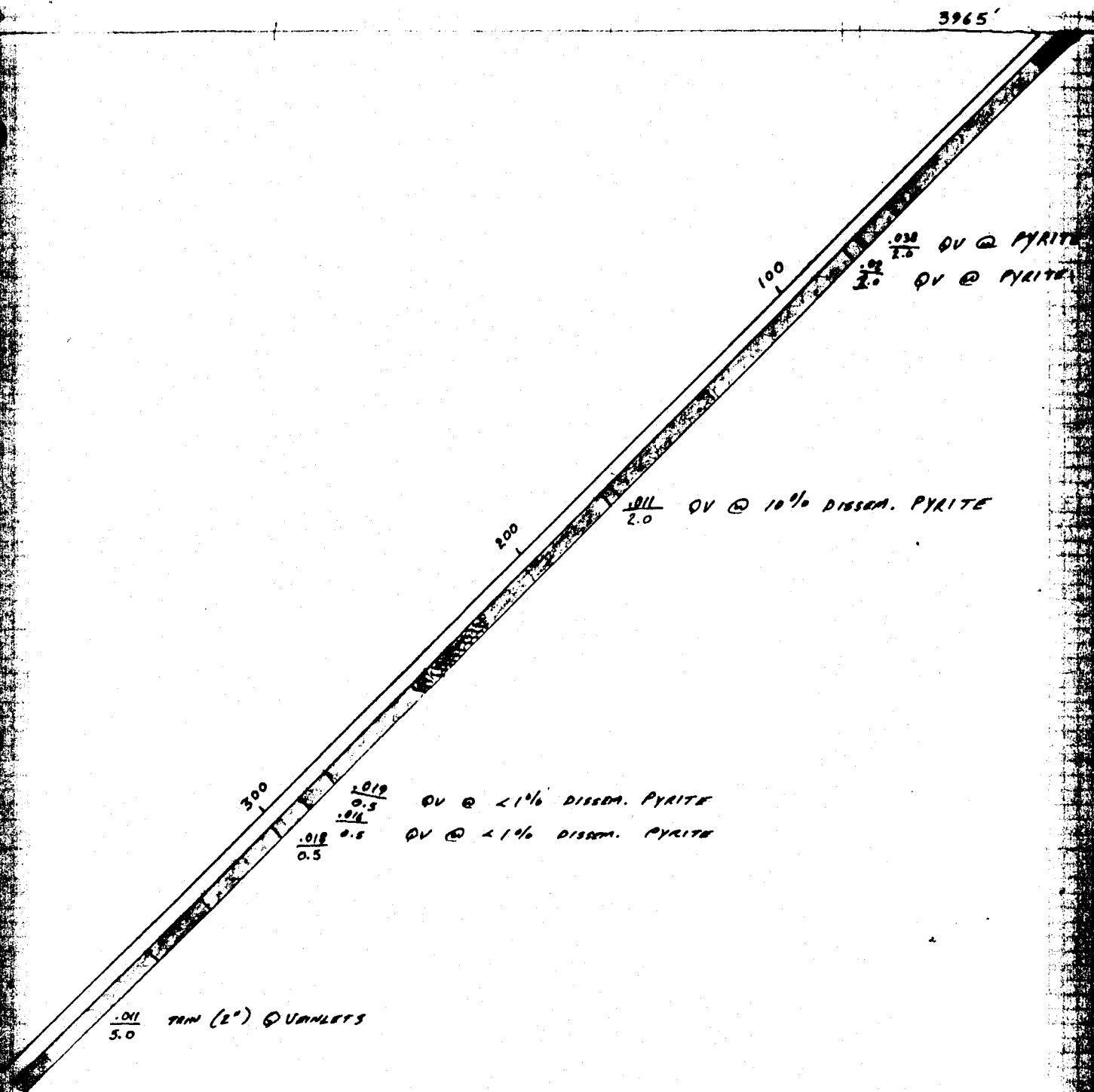
DIP- 45° SE

TOTAL LENGTH-

<u>FROM</u>	<u>TO</u>	<u>LITHOLOGY</u>
0.0	10.0	CASING
10.0	57.0	Greenstone Fg. of chloritic mafic VOLCANICS.
57.0	62.0	Fg. GREY/BROWN INTERMEDIATE VOLCANICS WITH PYRITIZED AND SULFIDES.
62.0	64.0	GREENSTONE
64.0	74.0	INTERMEDIATE VOLCANICS
74.0	76.0	QUARTZ VEIN (1.5') WITH MINERALIZED HALO IN INTERMEDIATE VOLCANICS. SAMPLE - 1871 B (.038)
77.0	78.0	QUARTZ VEIN @ DISSEMINATED PYRITE SAMPLE - 1872 B (.020)
78.0	133.0	INTERMEDIATE VOLCANICS
133.0	169.0	GREENSTONE
169.0	175.0	INTERMEDIATE VOLCANICS
175.0	177.0	QUARTZ VEIN @ 10% DISSEMINATED PYRITE. SAMPLE - 1873 B (.011)
177.0	204.0	GREENSTONE

FROM	TO	LITHOLOGY
204.0	221.0	GREENSTONE
221.0	241.0	BRECCIATED, SHEARED. GREENSTONE. SLICKENSIDES.
241.0	246.0	CLAY ALTERED, SHEARED INTERMEDIATE VOLCANICS.
246.0	259.0	FINE/MEDIUM GRAINED GREYISH INTERMEDIATE VOLCANICS @ 5% FINELY DISSEMINATED PYRITE.
259.0	280.0	INTERMEDIATE VOLCANICS @ 2% DISSEMINATED PYRITE.
280.0	280.5	QUARTZ VEIN @ 42° @ MINOR (41%) FINELY DISSEMINATED PYRITE. SAMPLE - 1876 B (.019)
280.0 280.5 280.5	294.0	INTERMEDIATE VOLCANICS.
294.0	294.5	QUARTZ VEIN @ MINOR (41%) FINELY DISSEMINATED PYRITE. SAMPLE - 1877 B (.016)
294.5	297.0	INTERMEDIATE VOLCANICS.
297.0	304.0	INTERMEDIATE VOLCANICS.
304.0	304.5	QUARTZ VEIN @ 5% DISSEMINATED PYRITE. SAMPLE - 1874 B (.018)
304.5	329.0	INTERMEDIATE VOLCANICS.

<u>FROM</u>	<u>TO</u>	<u>LITHOLOGY</u>
329.0	351.0	GREENSTONE
351.0	372.0	INTERMEDIATE VOLCANICS.
372.0	375.0	INTERMEDIATE VOLCANICS WITH 2" QUARTZ VEINLETS. @ SAMPLE - 1875 B. (.011)
375.0	384.0	INTERMEDIATE VOLCANICS @ INCREASE IN CALORITE CONTENT.
384.0	403.0	GREENSTONE.



<h2 style="margin: 0;">TAURUS</h2> <p style="margin: 0;">RESOURCES CASSIAR, B.C.</p>	
<h3 style="margin: 0;">DDH 87-7 SNOWY CREEK PROPERTY</h3>	
BEARING: 130°	DIP: 45° SE
SCALE: 1: 480	LENGTH: 400 FT
NORTHING: 9800 N	COLLAR
EASTING: 15900 E	ELEVATION: 3965

HOPEFULL GOLD MINE
SABLE RESOURCES LTD.

GEOLOGICAL REPORT

INTRODUCTION:

The Hopefull Gold Mine is located southwest of the Taurus Gold Mine, approximately 10.0 kilometers east of the town of Cassiar, BC.

Auriferous quartz veins possessing a general east-west strike, and steep southward dips form within ankeritic intermediate volcanic rocks of the Carboniferous-Permian Sylvester Group. Highly chloritic, mafic volcanic rocks ("greenstone"), are also common within the property, but do not host gold-bearing veins. Massive, disseminated, and pyritohedran sulfides (mostly pyrite) are abundant within the ankeritic rocks. Pyrite-associated gold is found mainly along the margins of the quartz veins. No visible, or free gold has been found to the present.

A dense, grey-black silicified volcanic rock ("chert") forms the basal rock unit of the stratigraphic sequence. This formation appears to be in fault contact with the overlying ankeritic and chloritic volcanics, and represents the extent to depth of the gold-bearing veins.

Diamond drilling, and the driving of the decline in the Hopefull mine has revealed a total of seven (7) auriferous quartz veins on the property.

To date, the extent of the vein structure along strike is approximately 150 meters (500 feet), with a cross-strike distance of 120 meters (400 feet). The maximum depth of the ore-bearing veins as delineated by the known depth to the "cherty" volcanic rocks is approximately 75 meters (250 feet). The resultant volume of rock is calculated to be approximately 1.35×10^6 cubic meters (5.0×10^7 cubic feet), or 4.17×10^6 tons.

Knowledge and control of ore grade is sparse and difficult to ascertain due to the present drilling coverage on the property, and the questionable assay results (ie. high one day, low the next). An estimate for the total geological reserve mineable at the Hopefull Gold Mine is not determinable at the present time, and more information is required in order to determine the total volume of rock which is ore-grade.

GENERAL GEOLOGY:

The Hopefull mine property lay within the rocks of the Carboniferous-Permian Sylvester Group. The basal unit of this group is a dark grey-black, aphanitic, silicified, argillaceous rock, or possibly a siliceous felsic to intermediate volcanic. This unit may be equivalent to the "chert" mapped by Geotex Consultants Ltd. in 1983.

Overlying the siliceous rocks are pale brown to grey, ankeritic intermediate volcanics (andesite?), and green, schistose, chloritic mafic volcanics. The nature of the age relationship between these two rock types is questionable. Fault contacts are common, whereas simple gradational contacts are also noted. The probable sequence of events is that the two lithological types are of equivalent age, and that they were altered via different modes, ankeritization versus chloritization.

Characteristically, the ankeritic volcanic rocks contain pyrite and the auriferous quartz veins. The "greenstone" and the "cherty" rock contain little pyrite and no vein quartz.

STRUCTURAL GEOLOGY:

To the present time, the major structural lineament in the Hopefull Gold Mine property is a north-south trending, west-dipping left-lateral thrust fault, which is exposed along the decline. The fault dips at 32° , with slickensides oriented at 070° .

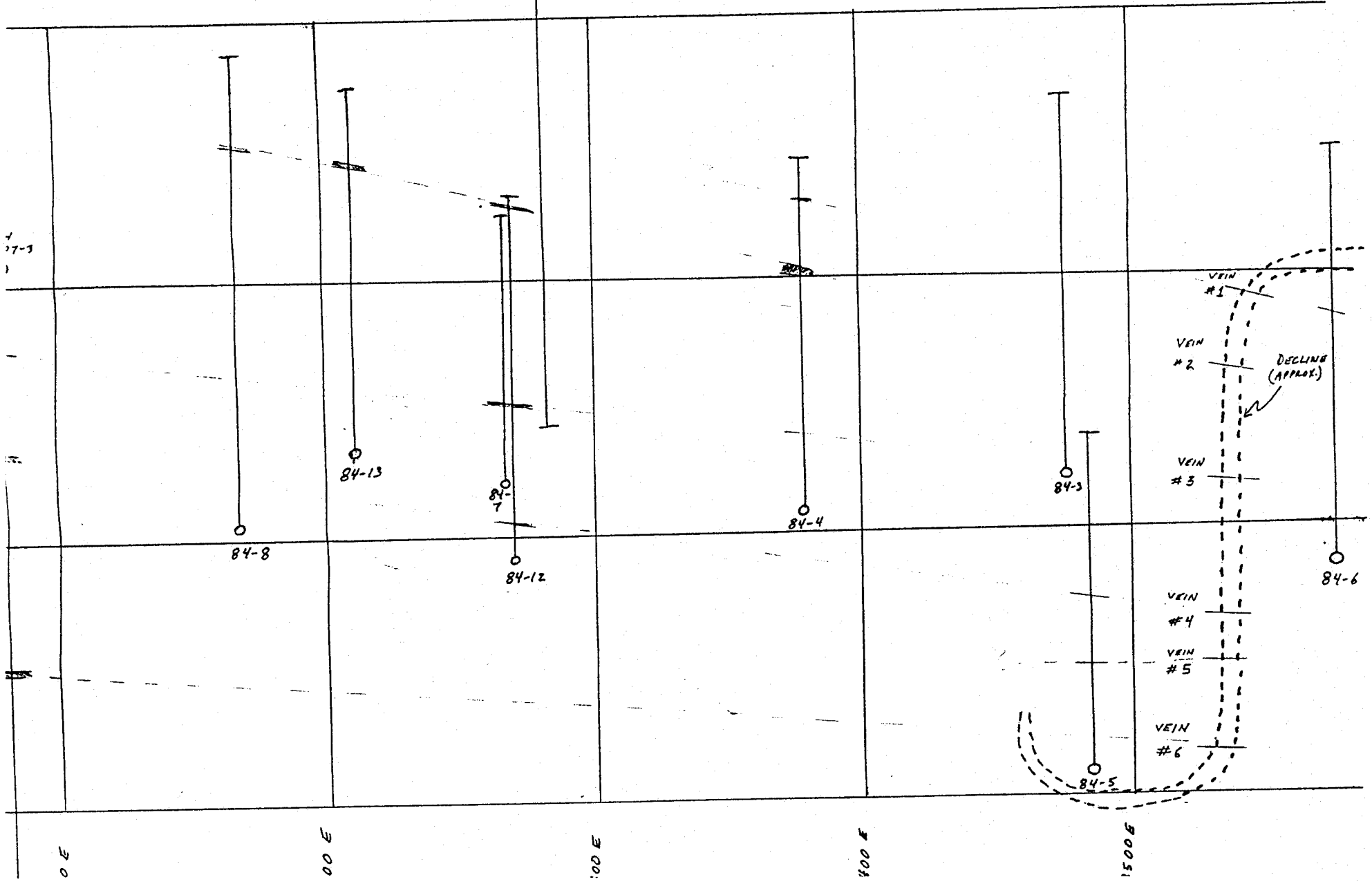
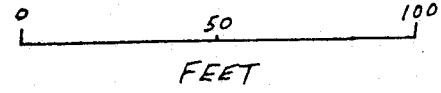
The contact between the "cherty" rocks and the overlying volcanic pile appears to be faulted as indicated by drilling results (DDH H-87-I). As this single hole is the only available data, the attitude of this fault is unknown. Correlation of the fault with shear zones in other proximal drill holes (1984 drill series) suggests that the fault dips to the north. This may correlate with the east-west striking, northward dipping thrust faults mapped by Geotex Consulting Ltd. in 1983. The "cherty" unit (unit Mt of Geotex), is exposed in the areas proximal to these faults, located north of the settling pond on the Taurus property. This tends to suggest that the fault encountered in DDH H-87-I at the Hopefull property is related to the east-west striking fault system.

EXPLORATION AND DEVELOPMENT:

Seven (7) quartz veins are present in the Hopefull property as indicated by diamond drilling and the driving of the decline (Fig. I). The veins are numbered from "0" to "6", from north to south, and all possess a general east-west strike. The dips of the

FIGURE 1
HOPEFULL MINE
PLAN

DDH
H87-1
VEIN
#0



veins are variable, but generally range from 25° to 88° to the south.

VEIN "0": In DDH H-87-1, intersected at a depth of 44 meters (143 feet).
Assay: 0.264 and 0.262 oz/ton Au over 3.0 feet.

VEIN "1": In DDH 84-6, intersected at a depth of 51 meters (166 feet).
Assay: 0.131 oz/ton Au over 2.0 feet.

VEIN "2": In decline, assayed 0.314 oz/ton Au over 5.0 feet.
In DDH 84-4, intersected at 35.7 meters (116 feet). Assay:
0.197 oz/ton Au over 0.5 feet.
In DDH 84-7, intersected at 37.5 meters (122 feet).
Assay: 0.337 oz/ton Au over 11.5 feet.
In DDH 84-3, intersection at 55.4 meters (180 feet).
Assay: 0.470 oz/ton Au over 10.0 feet.

VEIN "3": In decline, Assay: 1.068 oz/ton Au over 6.0 feet, and 1.490
oz/ton Au over 6.0 feet.
In DDH 84-4, intersection at 13 meters (43 feet). Assay: 0.171
oz/ton Au over 1.0 feet.
In DDH 84-12, intersection at 30.5 meters (99 feet). Assay:
0.130 over 12.5 feet.
In DDH 87-3, intersection at 13.4 meters (43.5 feet). Assay:
0.320 oz/ton Au over 1.5 feet.

VEIN "4": In decline, assay: 0.082 oz/ton Au over 5.0 feet.
In DDH 84-5, intersection at 27 meters (88 feet). Assay: 0.178
oz/ton Au over 4.8 feet.
In DDH 84-12, intersection at 7.2 meters (23.5 feet). Assay:
0.290 oz/ton Au over 5.0 feet.
In DDH H-87-3, intersection at 37.3 meters (121 feet). Assay:
0.096 oz/ton Au over 5.0 feet.

VEIN "5": Exposed only in the decline, and appears to possess no
continuity. Muck samples assayed: 0.034 and 0.024 oz/ton Au.

VEIN "6": Decline exposure. Assayed: 0.176 oz/ton Au over 5.0 feet.
In DDH H-87-3, intersection at 168 meters (218 feet).
Assay: 0.099 oz/ton Au over 3.0 feet.

CONCLUSIONS AND FUTURE PROPOSALS:

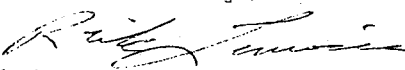
Seven auriferous quartz veins are present within the proposed area of the Hopefull Gold Mine. These veins possess a general east-west strike, and dip steeply to the south. The present "proven" strike length of the veins is approximately 150 meters (500 feet), with a cross-strike length of 120 meters (400 feet). Based upon a single deep diamond drill hole (H-87-1), the mineable depth of the veins is approximately 75 meters (250 feet).

Calculated volumes based upon the present ore-block dimensions suggest a value of approximately 1.35×10^6 cubic meters (5.0×10^7 cubic feet), or 4.17×10^6 tons. Ore grade is variable and greater control and increased information is necessary in order to calculate an in-situ geological reserve (tons of ore grade) with any confidence. This requires greater assay control and an increase in sampling of the veins. Diamond drilling on the Hopefull property should continue, especially to the north and south of the known veins, in order to increase reserves. The western extent (strike length) of the veins can be explored by drifting underground. Deep holes (400 feet minimum) should be drilled in order to determine the extent and attitude of the fault which appears to exist at the contact between the "cherty" rocks and the overlying volcanic rocks, which host the gold-bearing veins.

Underground diamond drilling is a must in order to build reserves for the future, and to aid in the determination of the attitudes of structural lineaments. Obtaining an underground drill system would make it possible to set out plans for the future (ie. stock piling, headings) on a monthly or even yearly basis, rather than on the scale of weeks or days.

In conclusion, as it stands now, the Hopefull mine project appears to be a profitable venture. Additional exploration and data regarding the areal and subsurface geology is required to ensure a long and prosperous future for the Hopefull Gold Mine.

Respectfully,


Richard M.J. Lemoine
Geologist

cc: M. Pahal
D. Dumaine
J. Westra

9900 N

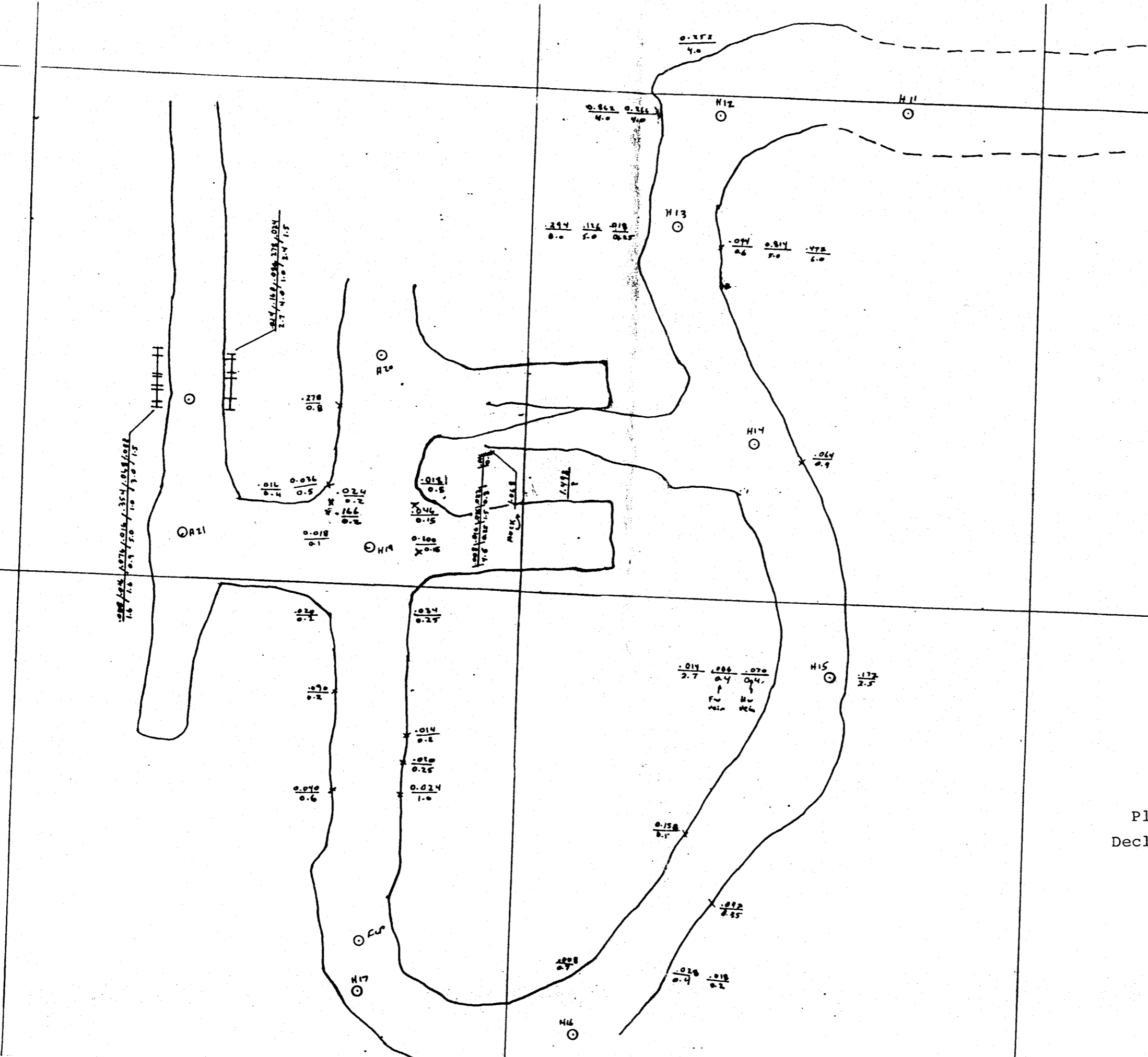
9800 N

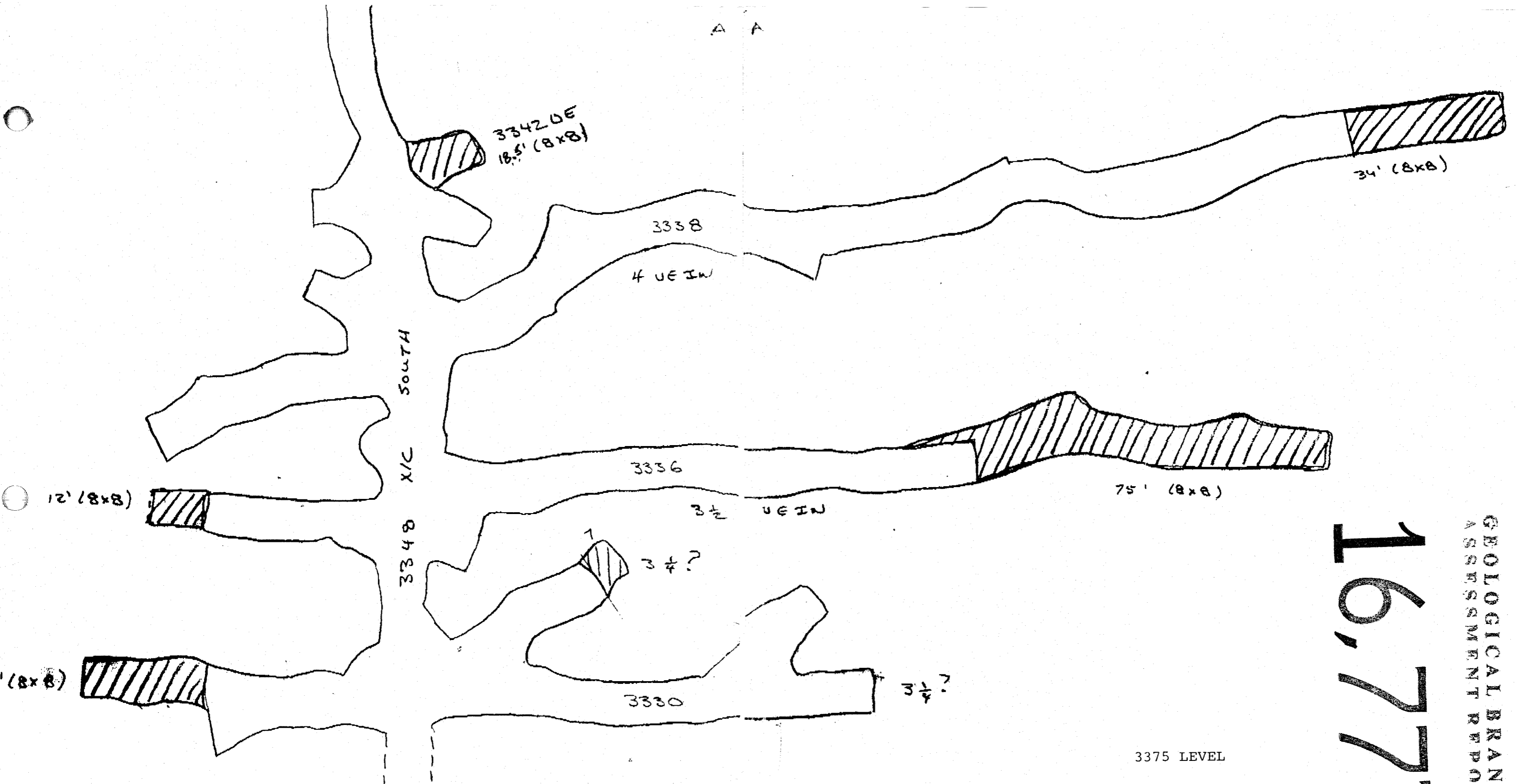
GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,777

Plan of Sable Resources Ltd.
Decline - MACK 1 Mineral Claim

Scale: 1" = 20'





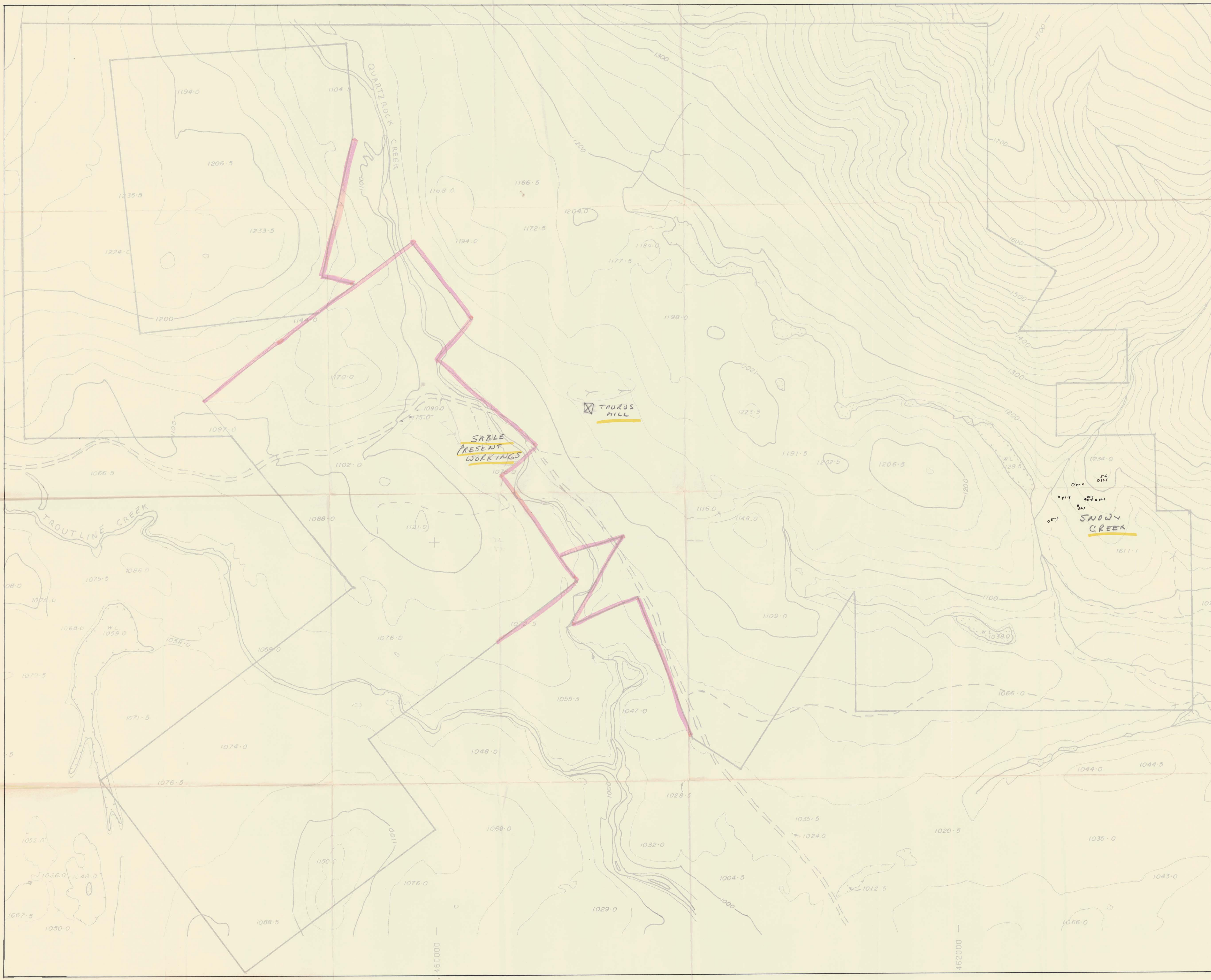
3375 LEVEL

Plan of Drifts Extended During
November 1 - December 31, 1987

Scale: 1" = 20'

16,777

GEOLOGICAL BRANCH
ASSESSMENT REPORT



WOODS BROS. BRANCH
AT FORT CAROLINE FOREST

16,777

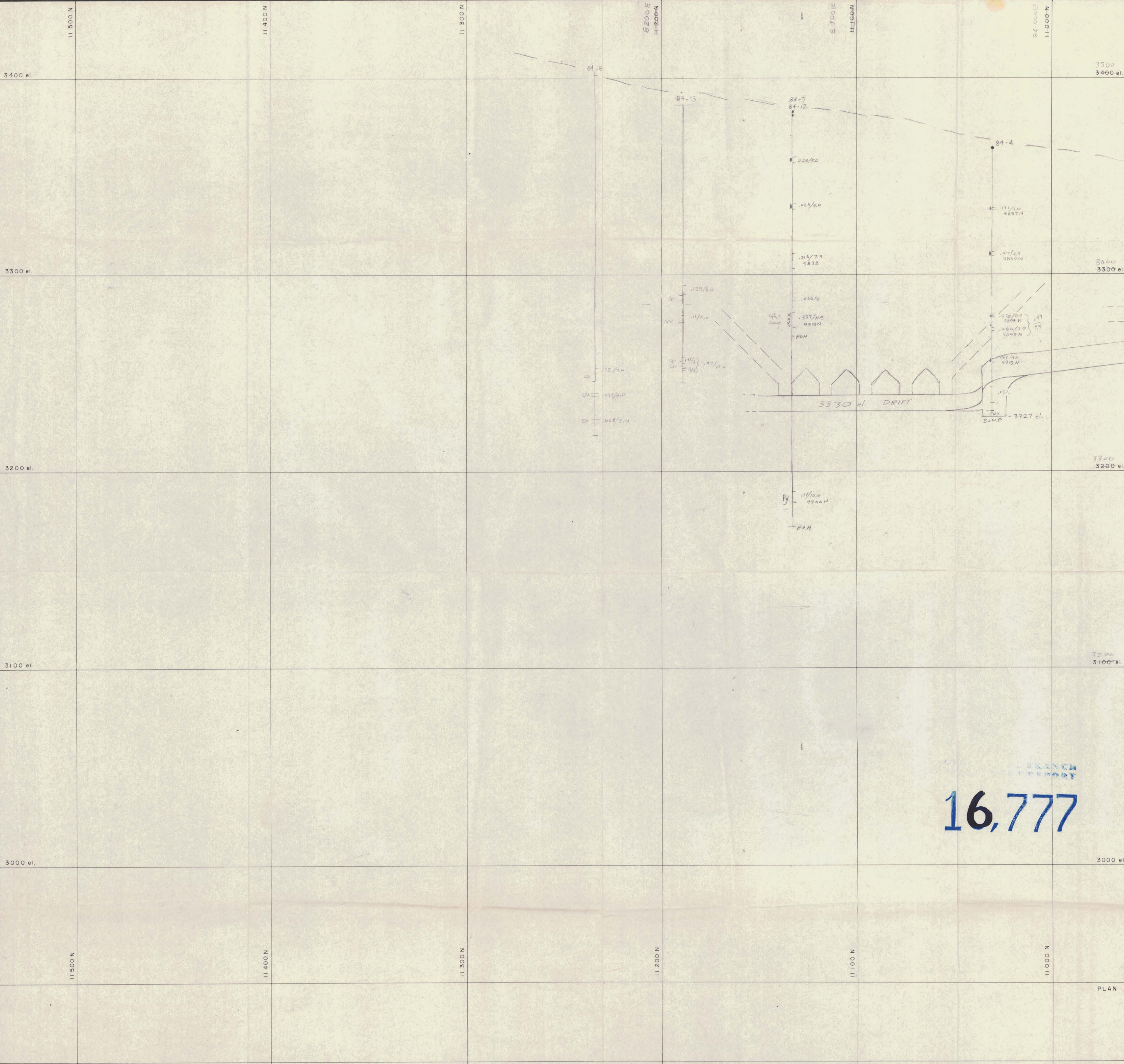


TAURUS RESOURCES LTD.

10963-M13

FIGURE NO.		REVISIONS		SCALE 1:5,000
DATE				
NTS NO. 104 P.S.				
COMPILED BY TMS				

10963-M13



LEGEND

- QUARTZ VEIN**
- MILKY, BARREN
 - CHIP SAMPLES < 0.10 oz./T
 - CHIP SAMPLES 0.10-1.0 oz./T
 - CHIP SAMPLES > 1.00 oz./T
 - MASSIVE SULPHIDE
 - VISIBLE GOLD
 - BRECCIATED
 - SHEETED

- LAMPROPHYRE DYKE**
- MASSIVE
 - WITH XENOLITHS

- ANDESITE**
- ANKERITE ALTERATION
 - CHLORITE ALTERATION
 - GREENSTONE
 - PILLOW STRUCTURE

- METASEDIMENTS**
- CHERT
 - SILICEOUS PHYLLITE
 - TUFFACEOUS PHYLLITE

- INTRUSIVES**
- DIABASE

- SYMBOLS**
- CONTACTS**
 DEFINED / APPROXIMATE / ASSUMED
- FAULTS**
 DEFINED / APPROXIMATE / ASSUMED
- SHEAR ZONE**
 FOLIATION & LINEATION INSIDE
- JOINTS OR TENSION FRACTURES**
 SET 1 - STRIKE AZIMUTH & DIP
 SET 2 -
 FILLED WITH QUARTZ / PYRITE
 CARBONATE / CHLORITE
- FOLIATION**
 1st. PHASE
 2nd. PHASE
- FOLDS**
 AXIAL PLANE / AXIS
 FIRST PHASE
 AXIAL PLANE / AXIS
 SECOND PHASE
- BEDDING**
 STRIKE & DIP / TOP

16,777

Tranman Mining Services Ltd.
 960-625 HOWE STREET, VANCOUVER, B.C. V6C 2T6

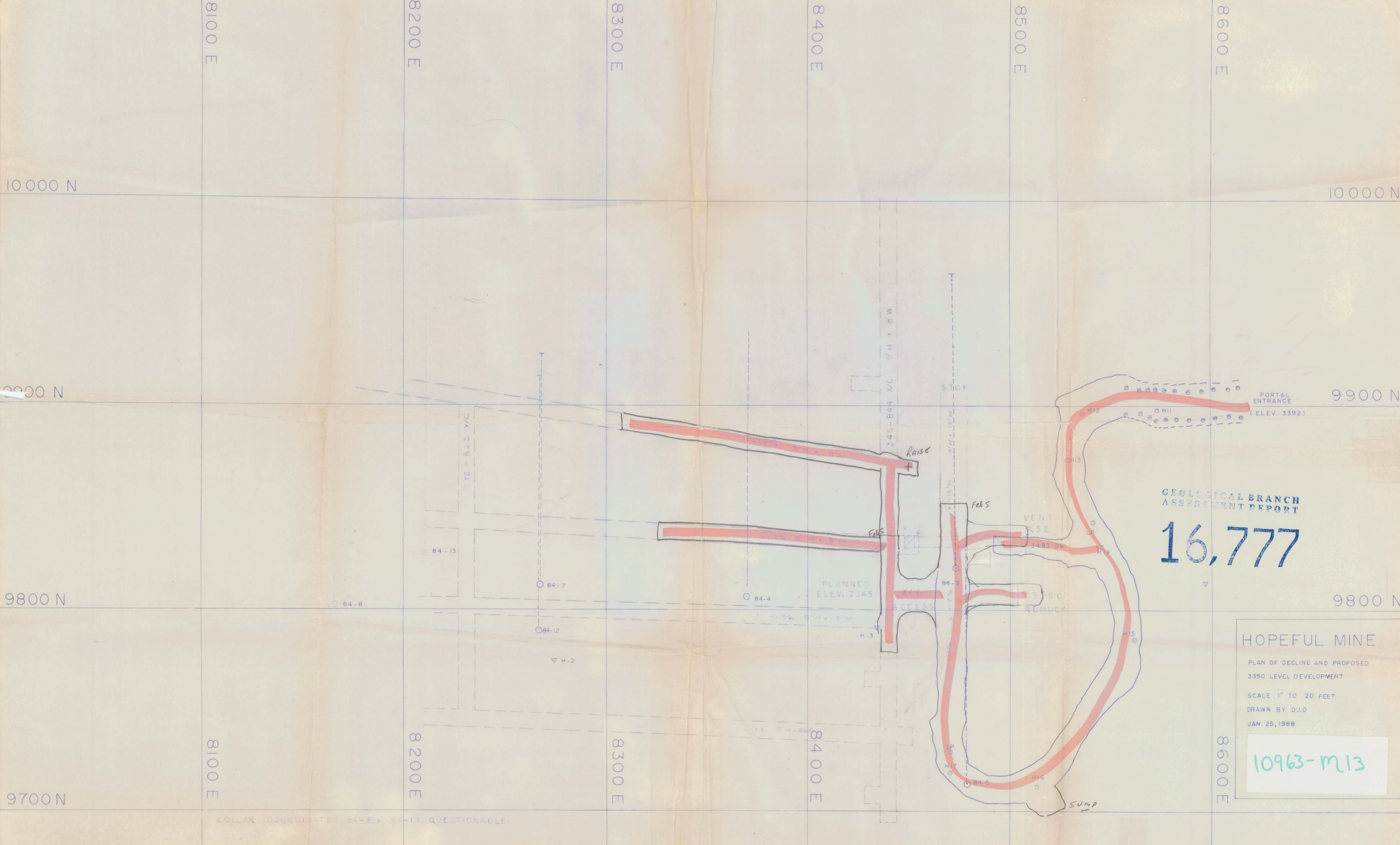
SABLE RESOURCES LTD.
 GLEN HOPE PROPERTY

GEOLOGICAL CROSS SECTION

BLOCK

DRAWN BY
 DATE
 SCALE 1 inch = 20 feet

DWG N°



GEOLOGICAL BRANCH
ASSESSMENT REPORT
16,777

HOPEFUL MINE
PLAN OF DECLINE AND PROPOSED
3350 LEVEL DEVELOPMENT
SCALE 1" TO 20 FEET
DRAWN BY D.J.D.
JAN. 25, 1988
10963-M13

COLLAR COORDINATES 84-8 & 84-13 QUESTIONABLE