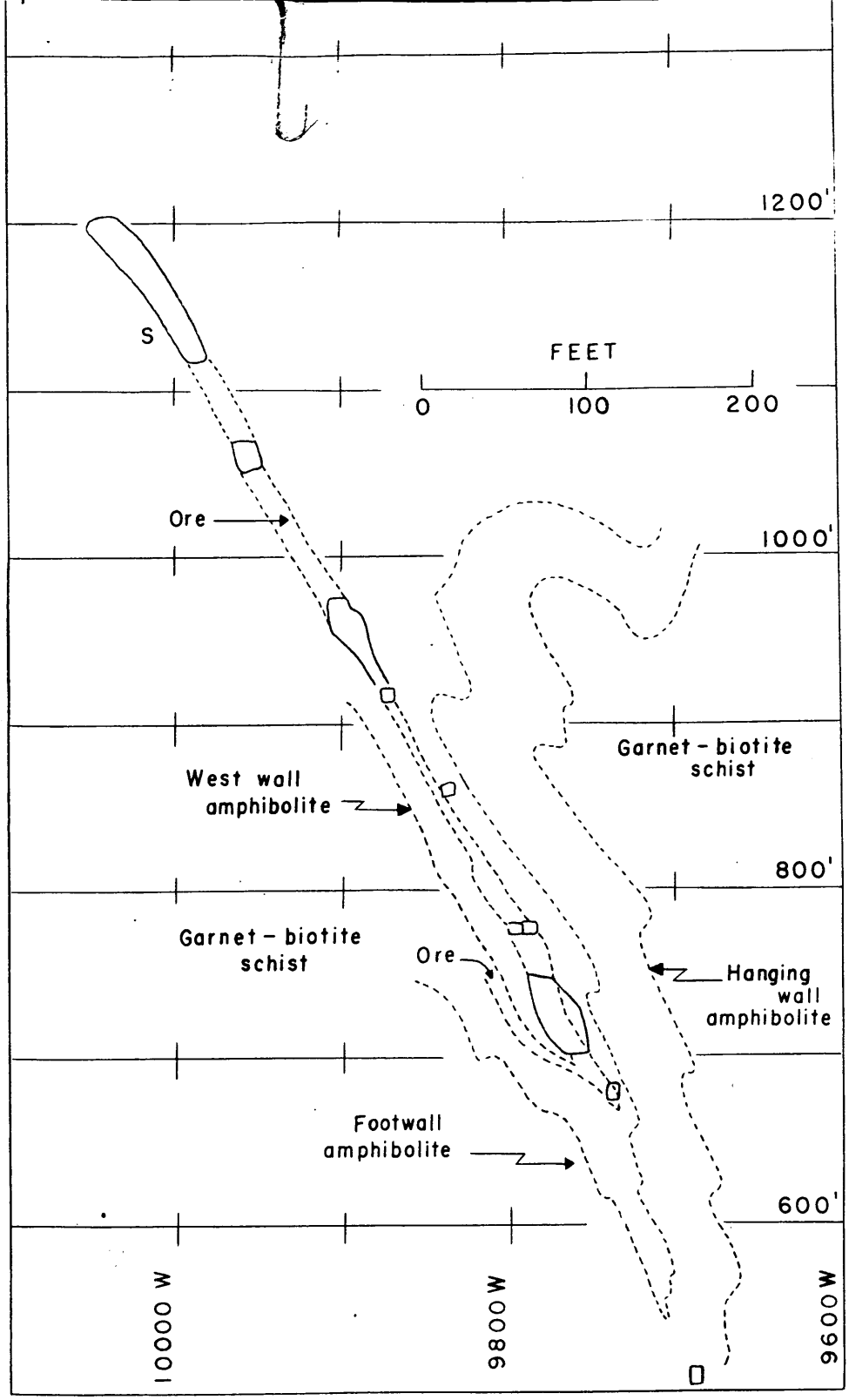
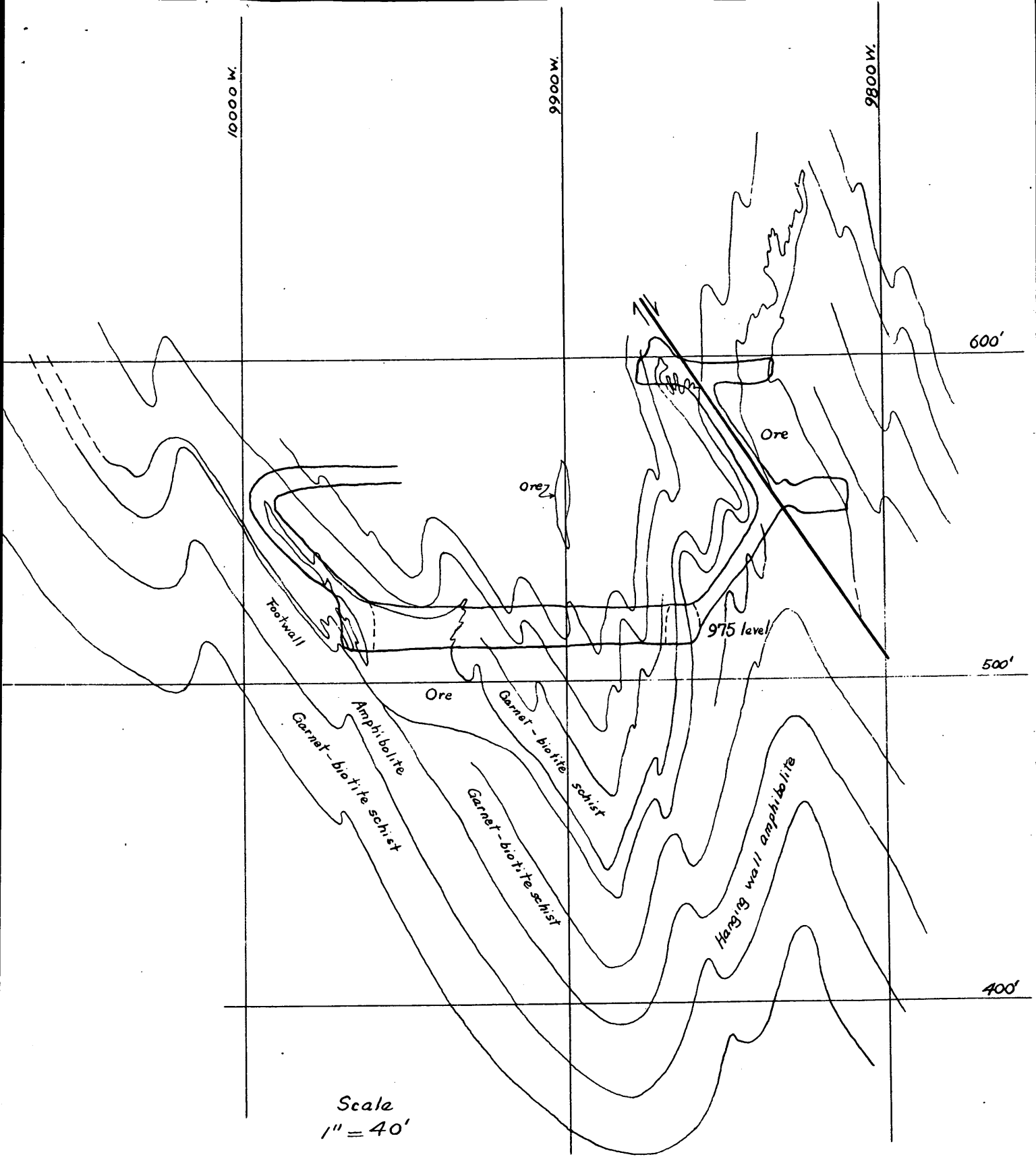


Figure 1. Cross - section at 12,500 N. Elizabeth Mine South Strafford, Vermont Source: Vermont Copper company's report by H. McKinstry and A. Mikkola

1" = 100'

Note: Not for pubication

Fig. 1



Generalized geologic cross-section at 15,800 N. showing outline of workings at 975 level and faulted ore zone

Figure 2.

after A. Mikkola

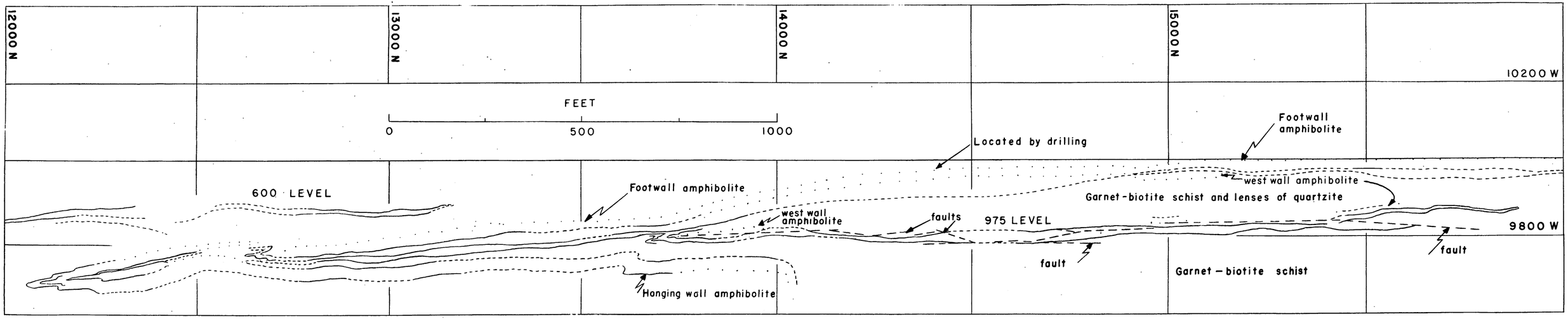
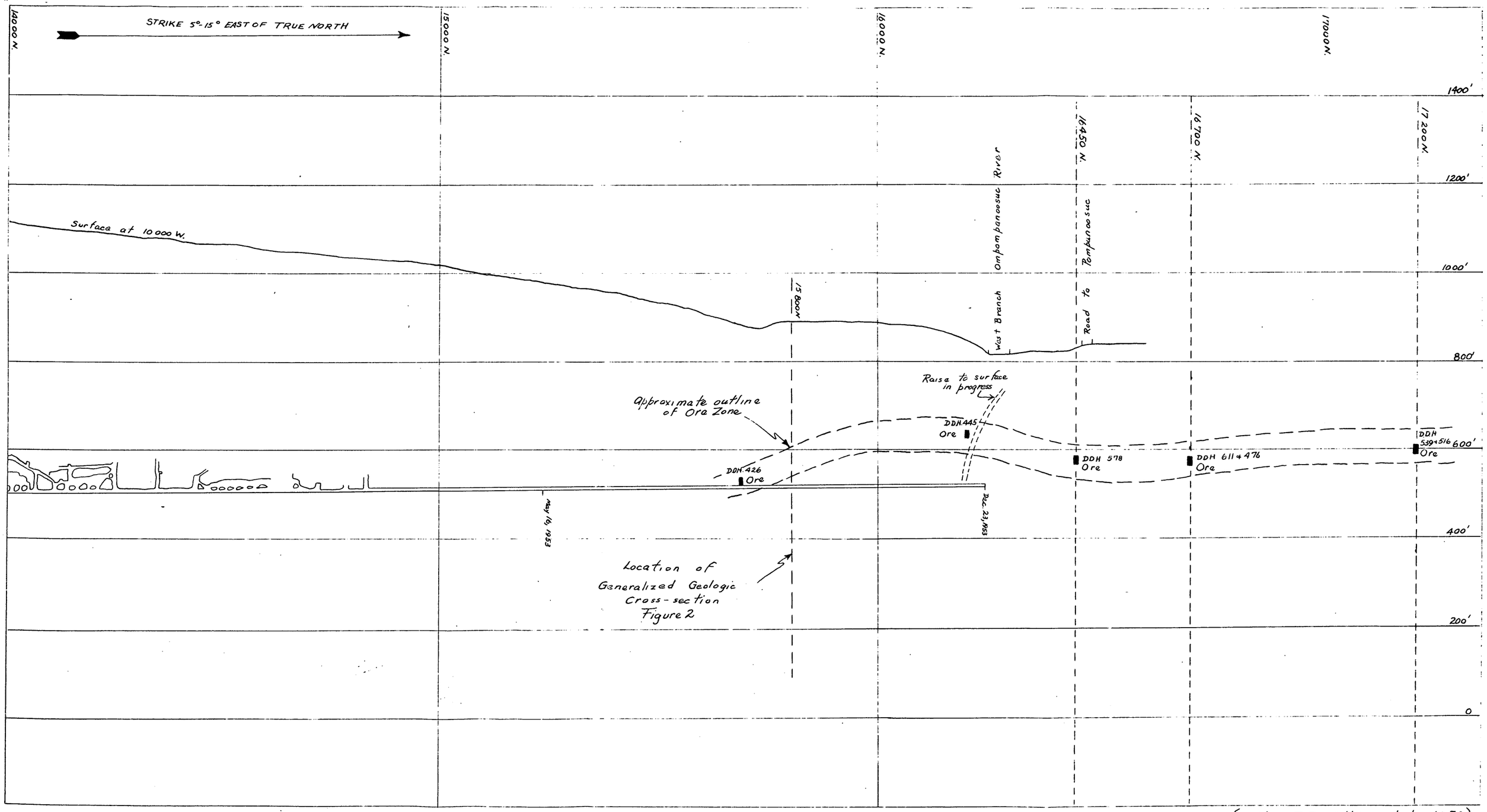


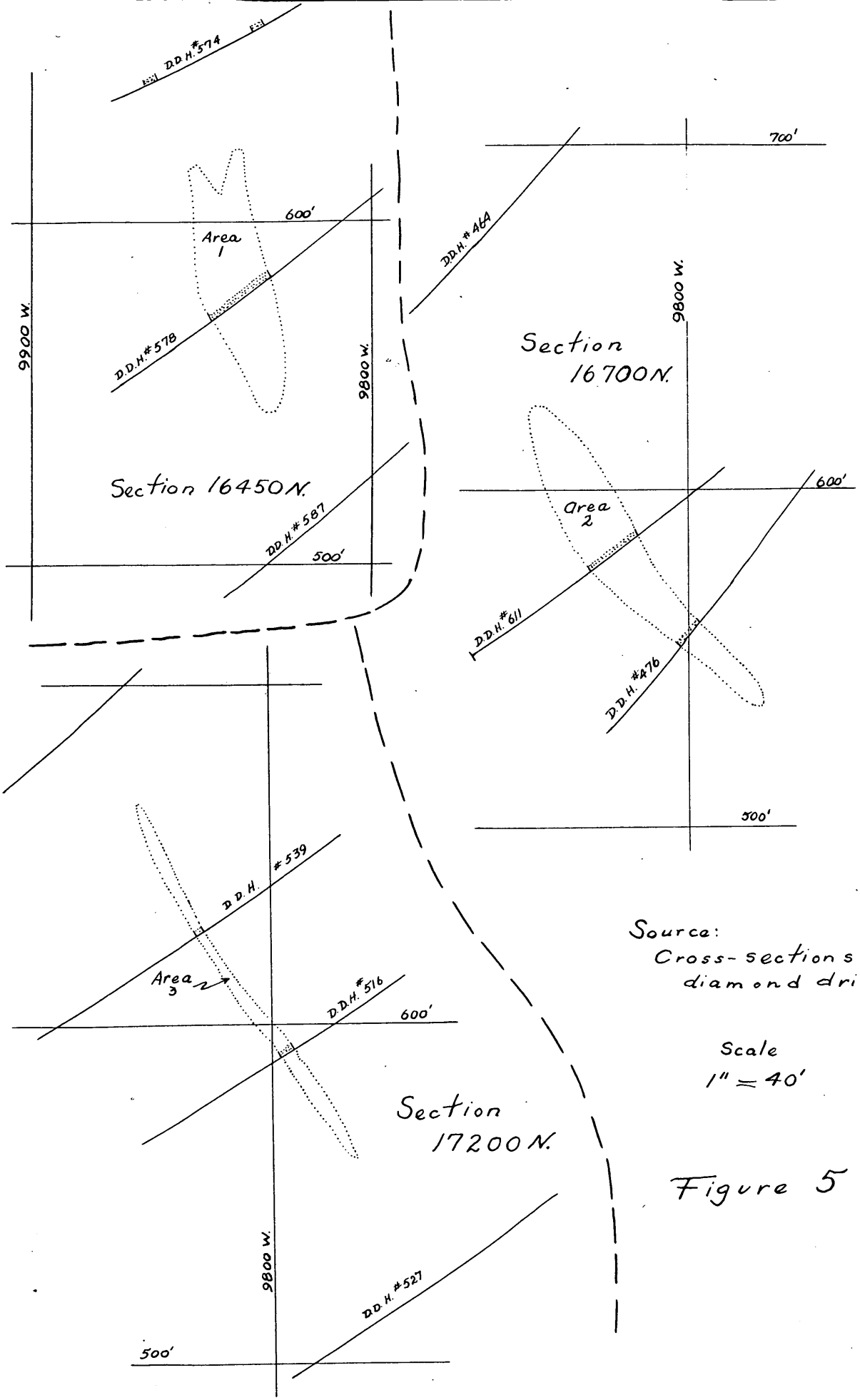
FIGURE 3. Composite Plan Elizabeth Mine South Strafford, Vermont Source: Vermont Copper Company's Mine Report by H. Mc Kinstry and A. Mikkola

Note: Not for publication



(After R.D. Atkins July 1950)

VERTICAL LONGITUDINAL SECTION
ELIZABETH MINE
Vermont Copper Co., Inc. South Strafford, Vt.
Scale 1 inch = 200 feet
Figure 4



Source:
Cross-sections of diamond drill holes

Scale
1" = 40'

Figure 5

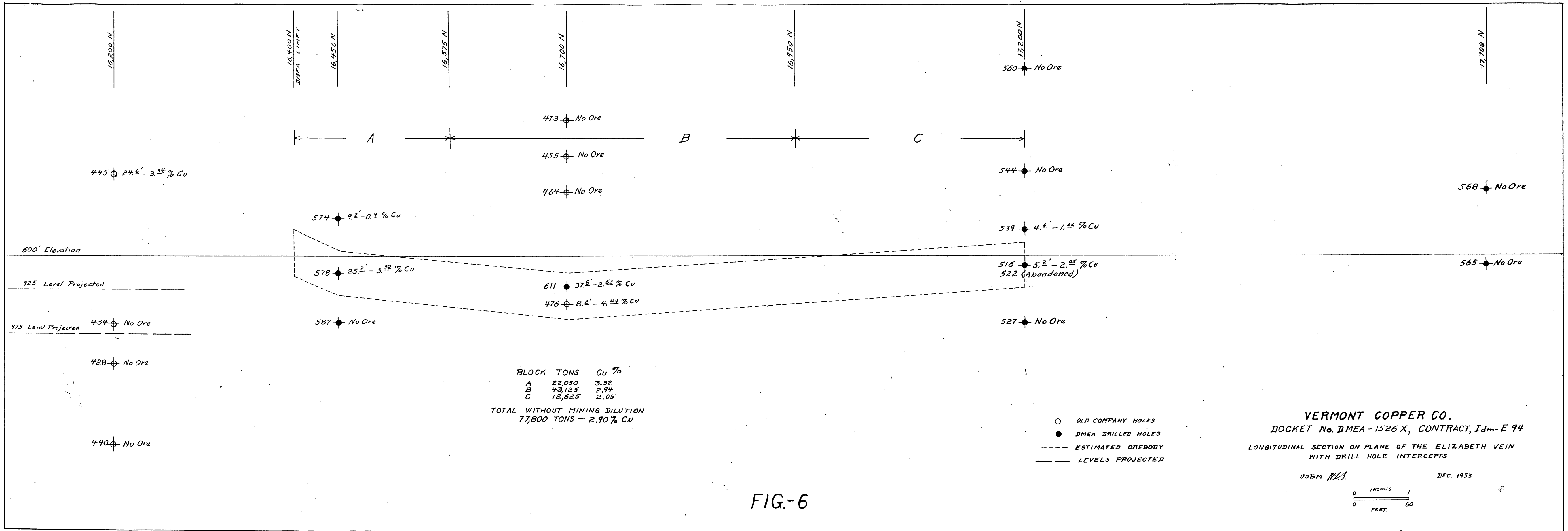

16,200 N
16,400 N
DMEA LIMIT
16,450 N
16,575 N
16,700 N
16,950 N
17,200 N
17,700 N
560 No Ore
473 No Ore
A
B
C
455 No Ore
445 24.6' - 3.34 % Cu
544 No Ore
464 No Ore
568 No Ore
574 9.2' - 0.9 % Cu
539 4.6' - 1.22 % Cu
600' Elevation
578 25.2' - 3.32 % Cu
516 5.2' - 2.05 % Cu
522 (Abandoned)
565 No Ore
925 Level Projected
611 37.8' - 2.62 % Cu
476 8.2' - 4.44 % Cu
975 Level Projected
434 No Ore
587 No Ore
527 No Ore
428 No Ore
440 No Ore
BLOCK TONS Cu %
A 22,050 3.32
B 43,125 2.94
C 12,625 2.05
TOTAL WITHOUT MINING DILUTION
77,800 TONS — 2.90 % Cu
OLD COMPANY HOLES
DMEA DRILLED HOLES
ESTIMATED OREBODY
LEVELS PROJECTED
VERMONT COPPER CO.
DOCKET No. DMEA - 1526 X, CONTRACT, Idm-E 94
LONGITUDINAL SECTION ON PLANE OF THE ELIZABETH VEIN
WITH DRILL HOLE INTERCEPTS
USBM
DEC. 1953
INCHES
0 1
0 60
FEET

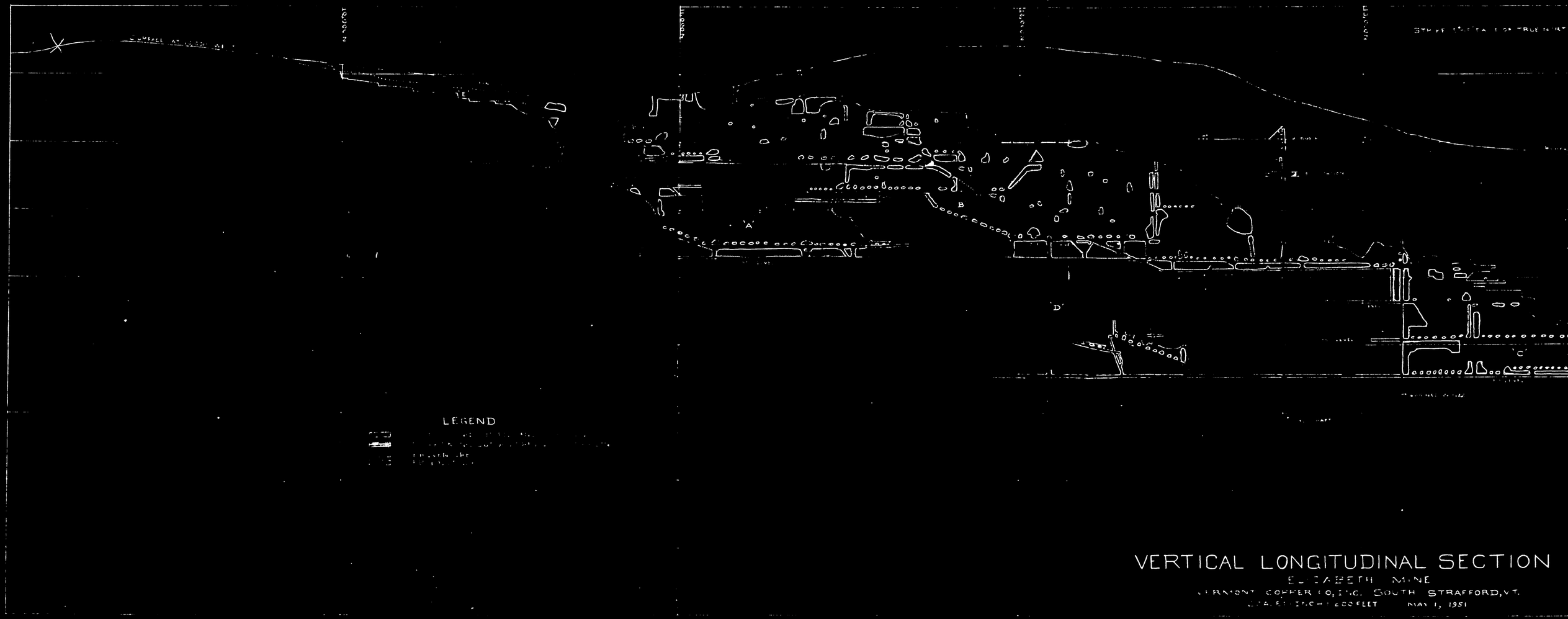
FIG.-6

RTICAL LONGITUDINAL SECTION

ELIZABETH MINE

VERMONT COPPER CO, INC. SOUTH STRAFFORD, VT.

SCALE: 1 INCH = 200 FEET MAY 1, 1951



VERTICAL LONGITUDINAL SECTION

ELIZABETH MINE

VERMONT COPPER CO., INC. SOUTH STRAFFORD, VT.

SCALE: 1 INCH = 200 FEET MAY 1, 1951

CROSS SECTION
LOOKING NORTH THROUGH
NEW SHAFT ON COORD 12750N
VERMONT COPPER COMPANY, INC.
ELIZABETH MINE

SCALE 1 in = 200 ft

DATE FEB. 1, 1947

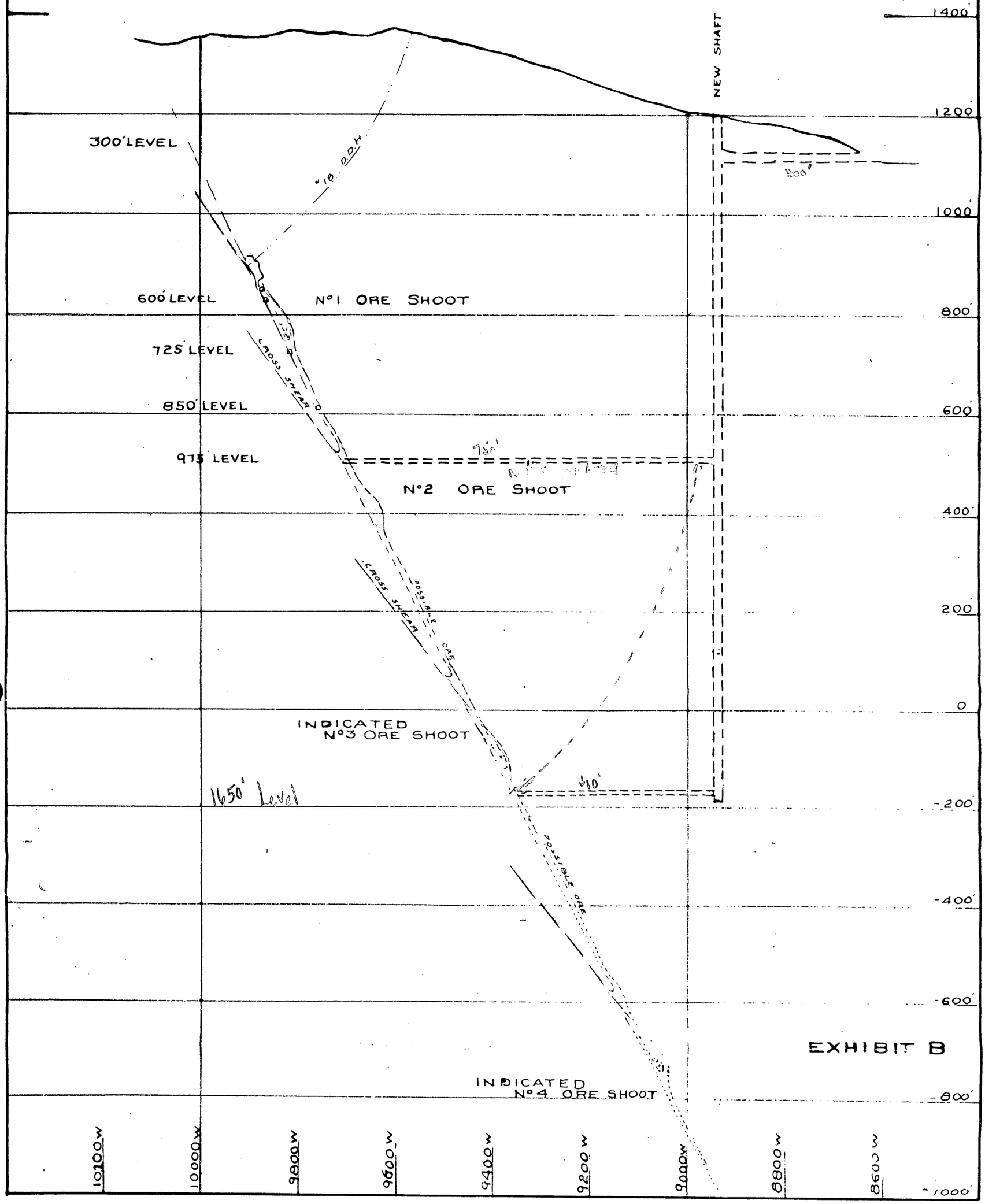


EXHIBIT B

SKETCH PLAN

ILLUSTRATING
PROBABLE LOCALIZATION OF ORE SHOOTS
AT
INTERSECTIONS OF MAIN MINERALIZED FAULT WITH CROSS SHEARS

Scale 1 in = 200 ft (approx)

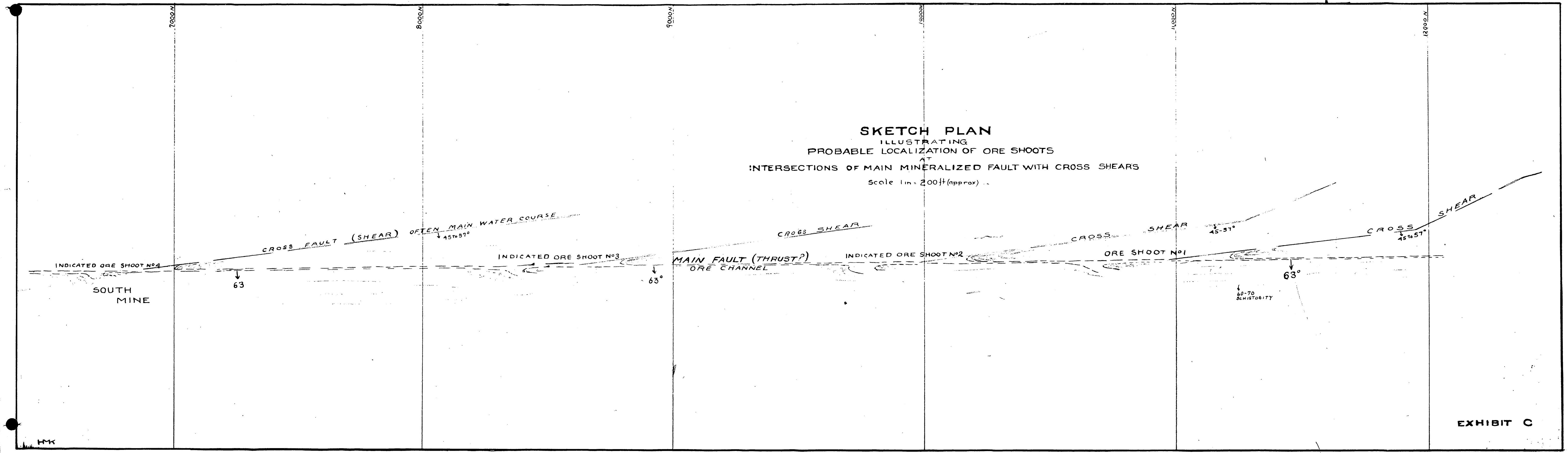
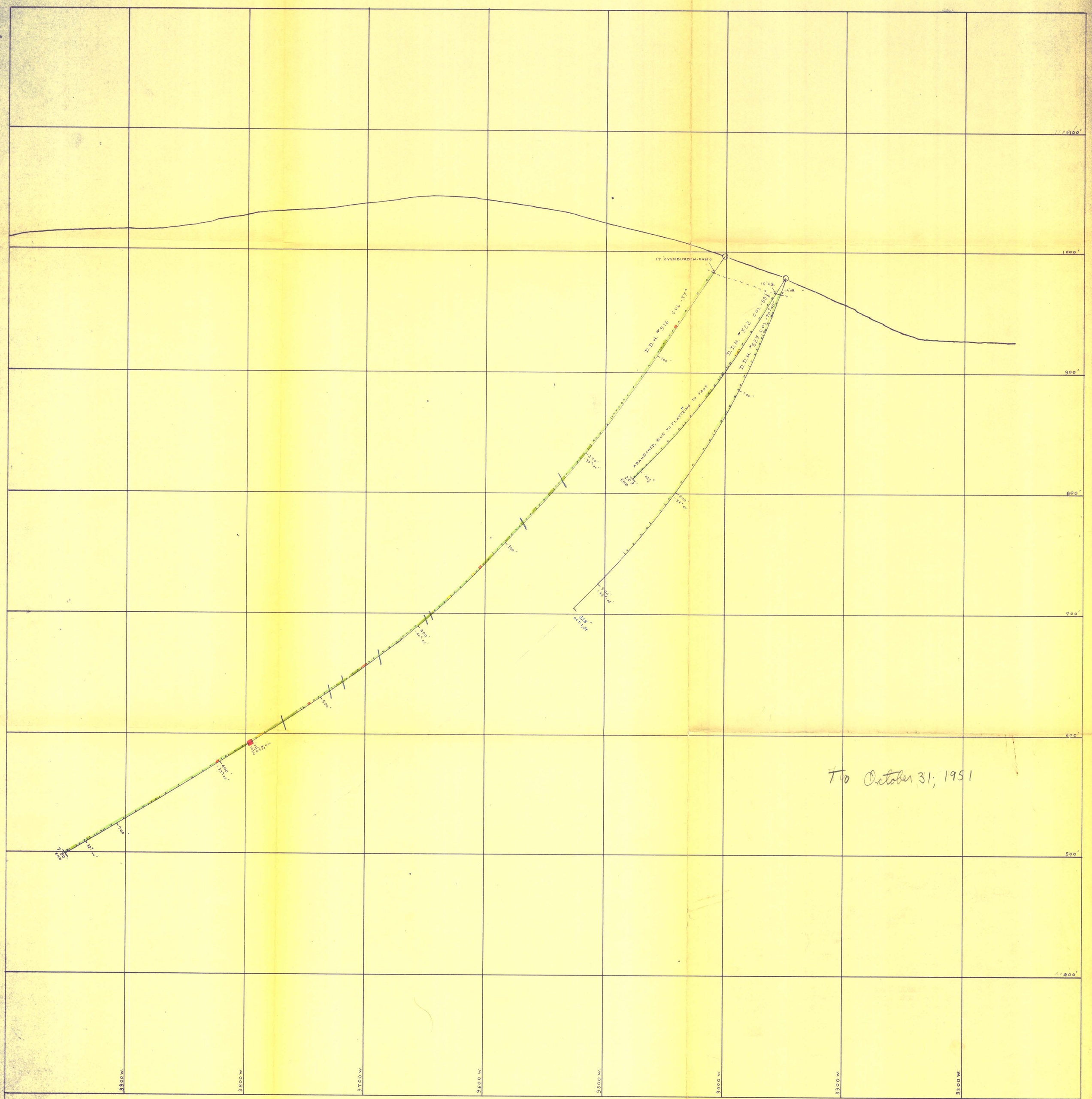


EXHIBIT C

HMK



To October 31, 1951

GEOLOGIC SYMBOLS

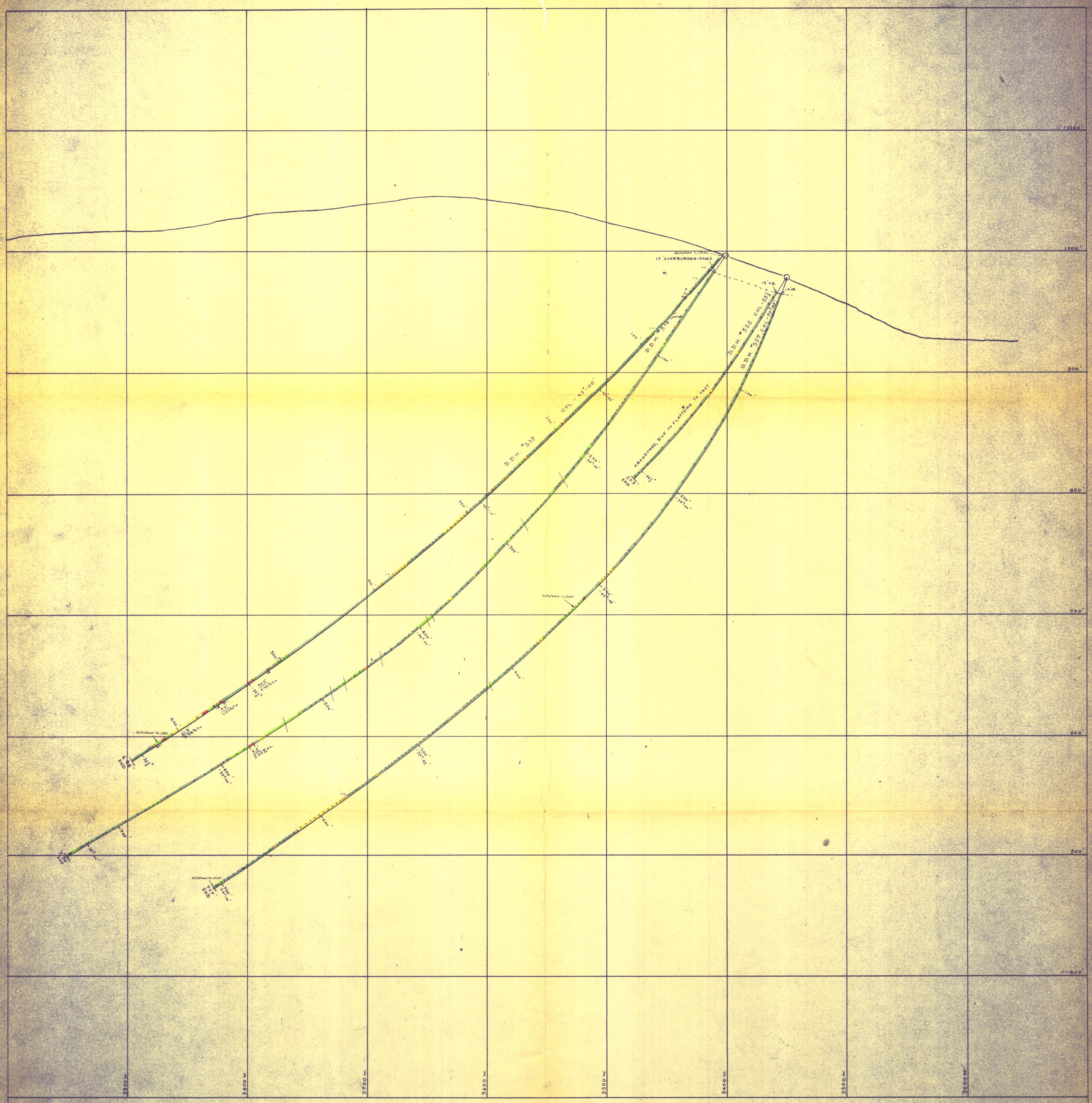
- BROWN BIOTITE GARNET SCHIST
- BLACK " " " " "
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

NOTE
HOLES SURVEYED FOR DIP ONLY.
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY.

DIAMOND DRILL STA. N°1
LOCATED ON LOT #84 STRAFFORD TOWNSHIP, VERMONT.
OWNED BY
VERMONT COPPER CO, INC. SO. STRAFFORD, VT.

CROSS SECTION 17,200 N. SCALE: 1" = 40'

DATE: OCT. 1, 1951



GEOLOGIC SYMBOLS

- BROWN BIOTITE GARNET SCHIST
- BLACK " " - " - "
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

NOTE
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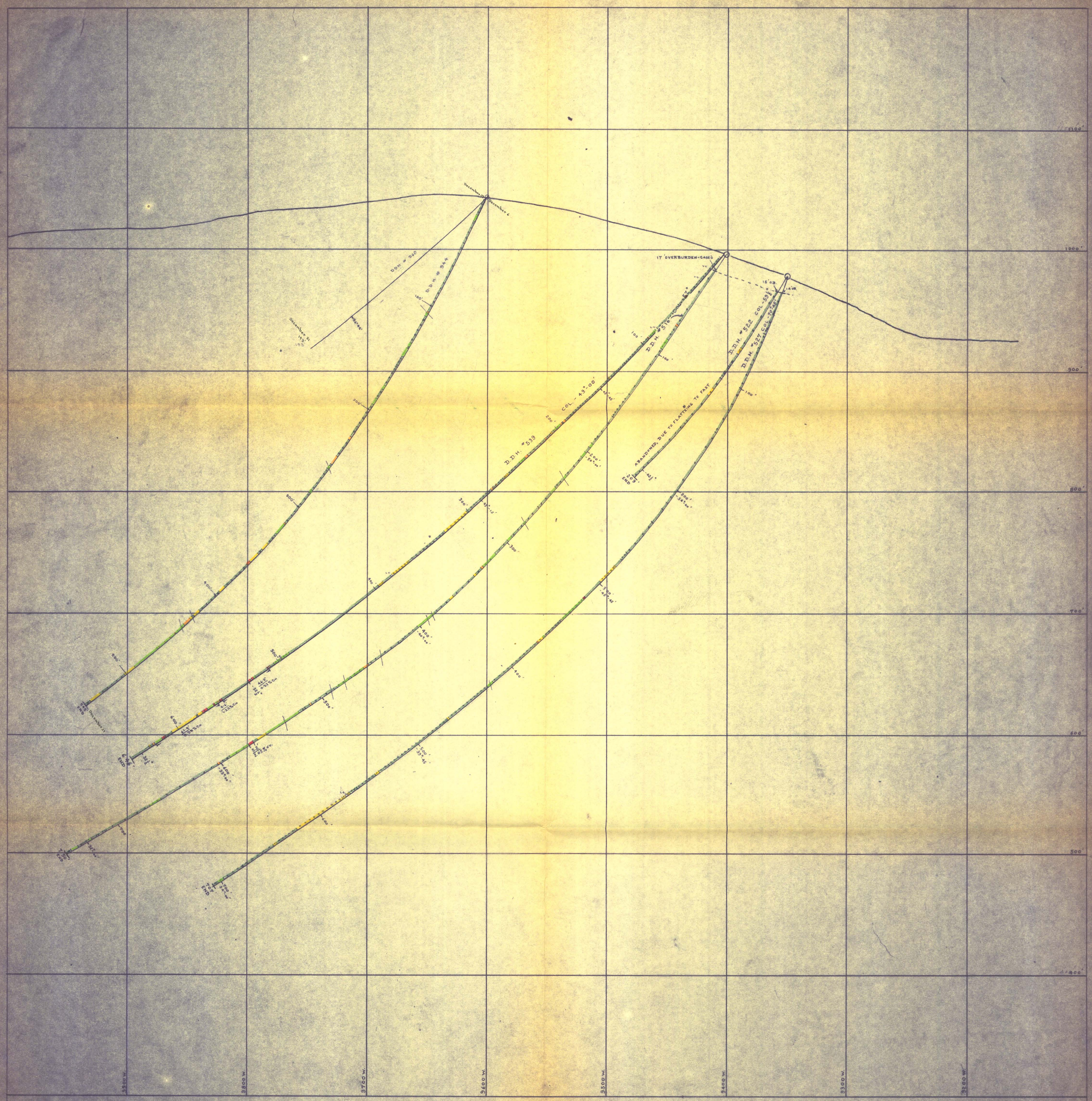
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY.

DIAMOND DRILL STA. No 1
LOCATED ON LOT #84 STRAFFORD TOWNSHIP, VERMONT.
OWNED BY
VERMONT COPPER CO, INC. So. STRAFFORD, VT.

CROSS SECTION 17,200 N. SCALE: 1" = 40'

DATE: November 1, 1951



GEOLOGIC SYMBOLS

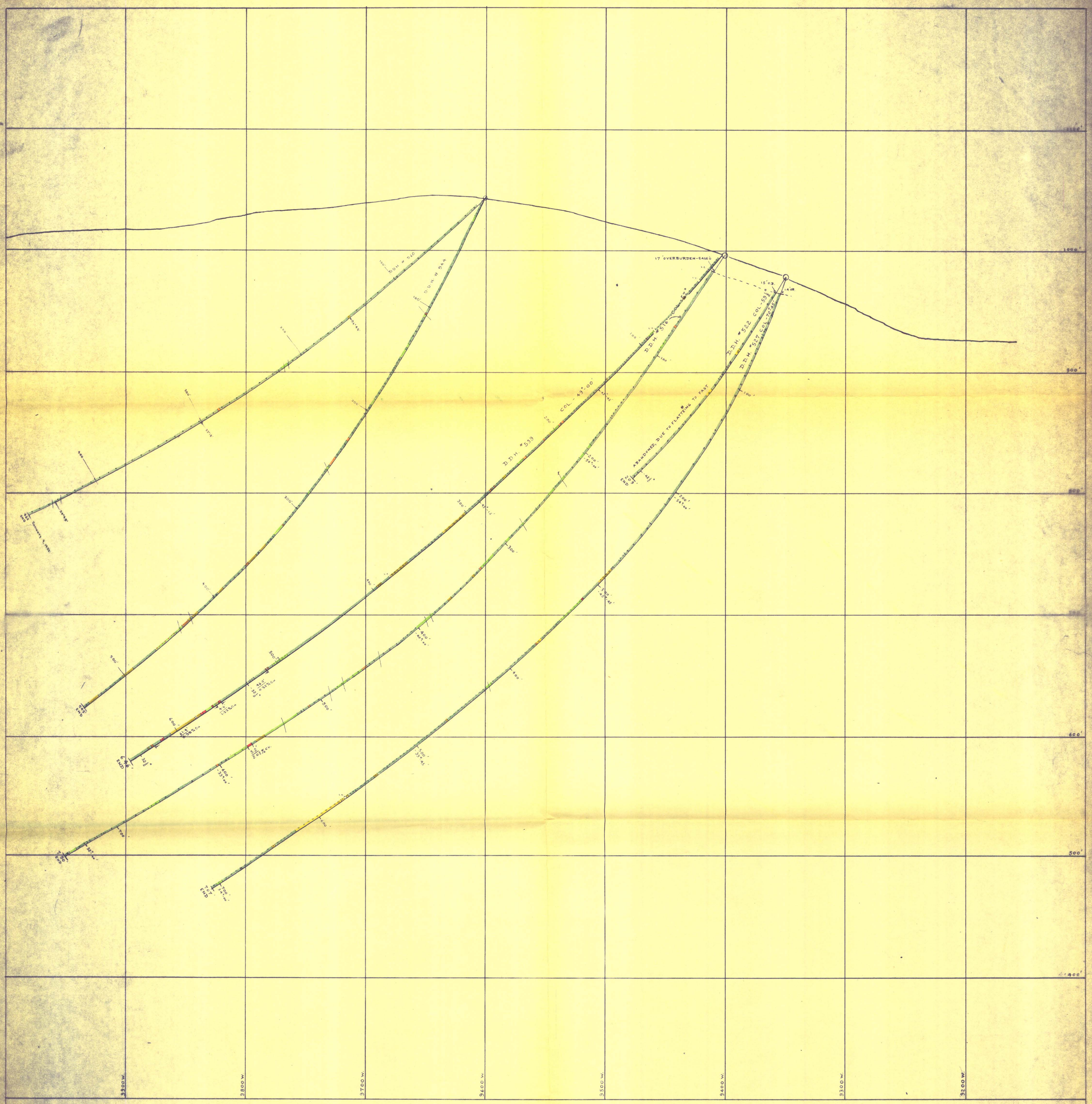
- BROWN BIOTITE GARNET SCHIST
- BLACK " " " " "
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

NOTE
HOLES SURVEYED FOR DIP ONLY
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY.

DIAMOND DRILL STA. No 1
LOCATED ON LOT #84 STRAFFORD TOWNSHIP, VERMONT
OWNED BY
VERMONT COPPER CO. INC. So. STRAFFORD, VT.

CROSS SECTION 17,200 N. SCALE: 1" = 40'

DATE: December 31, 1951.



GEOLOGIC SYMBOLS

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- BLACK - " - " - "
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

NOTE
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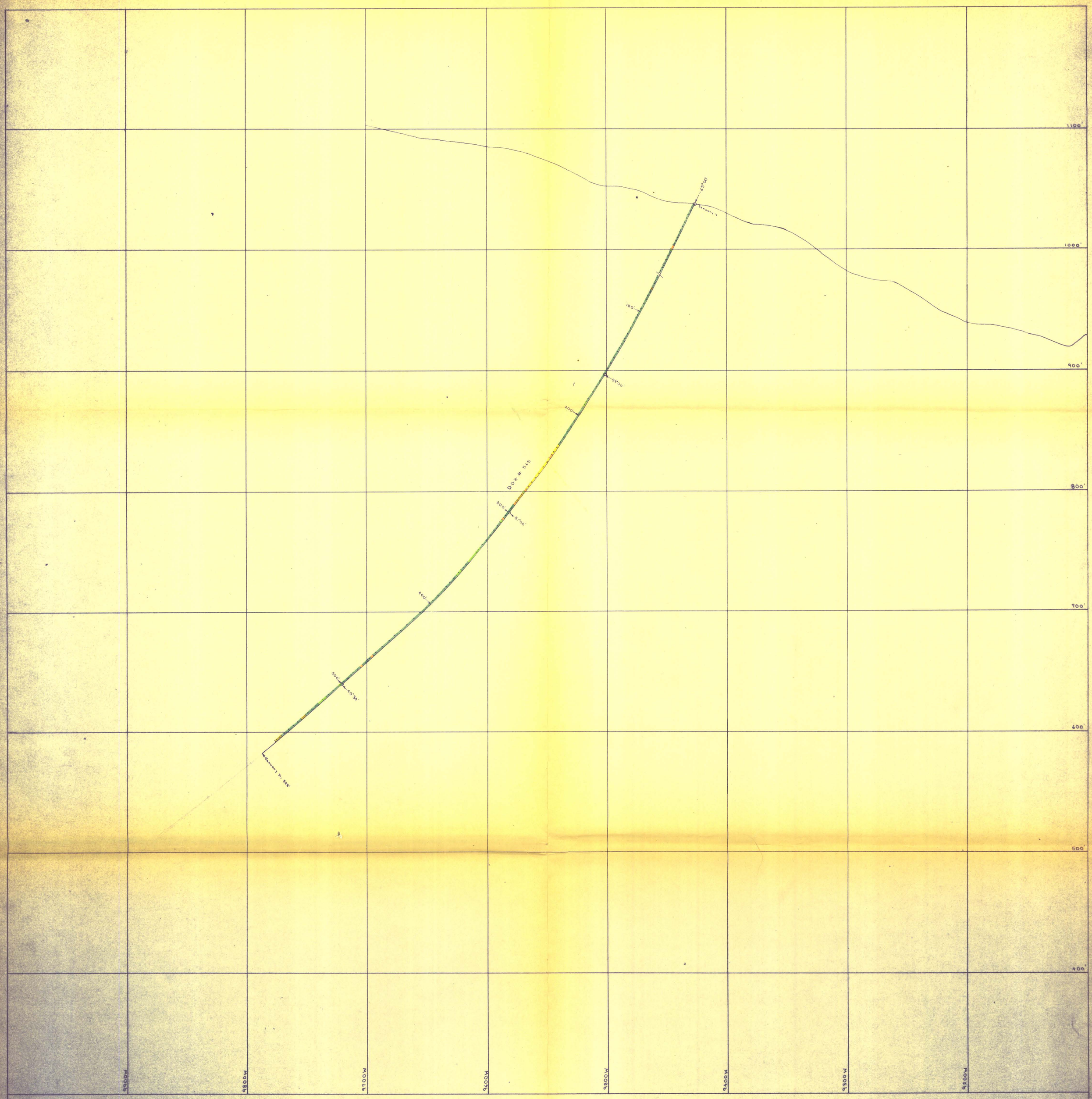
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY.

DIAMOND DRILL STA. N°1
LOCATED ON LOT #84 STRAFFORD TOWNSHIP, VERMONT.
OWNED BY
VERMONT COPPER CO, INC. So. STRAFFORD, VT.

CROSS SECTION 17,200N. SCALE: 1" = 40'

DATE: 1-31-52



GEOLOGIC SYMBOLS

- BROWN BIOTITE GARNET SCHIST
- BLACK " " " " "
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

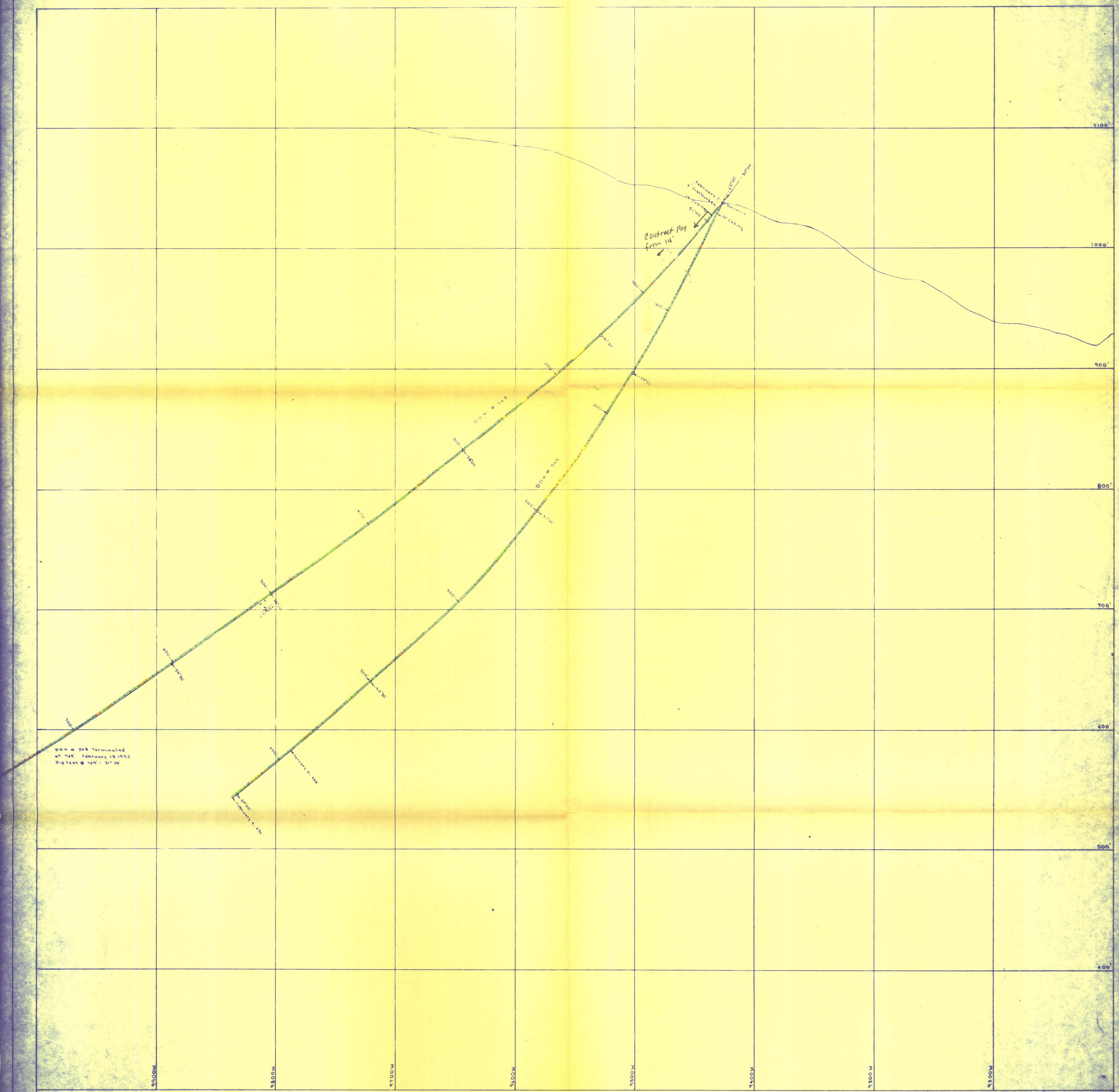
NOTE
HOLES SURVEYED FOR DIP ONLY.
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY.

DIAMOND DRILL STA. N°2
LOCATED ON LOT #84 STRAFFORD TOWNSHIP, VERMONT
OWNED BY
VERMONT COPPER CO. INC. SO. STRAFFORD, VT.

CROSS SECTION 17,700N SCALE: 1" = 40'

DATE: 1-31-52.....

H.G. Brown



GEOLOGIC SYMBOLS

- BROWN BIOTITE GARNET SCHIST
- BLACK - " - " - "
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

NOTE
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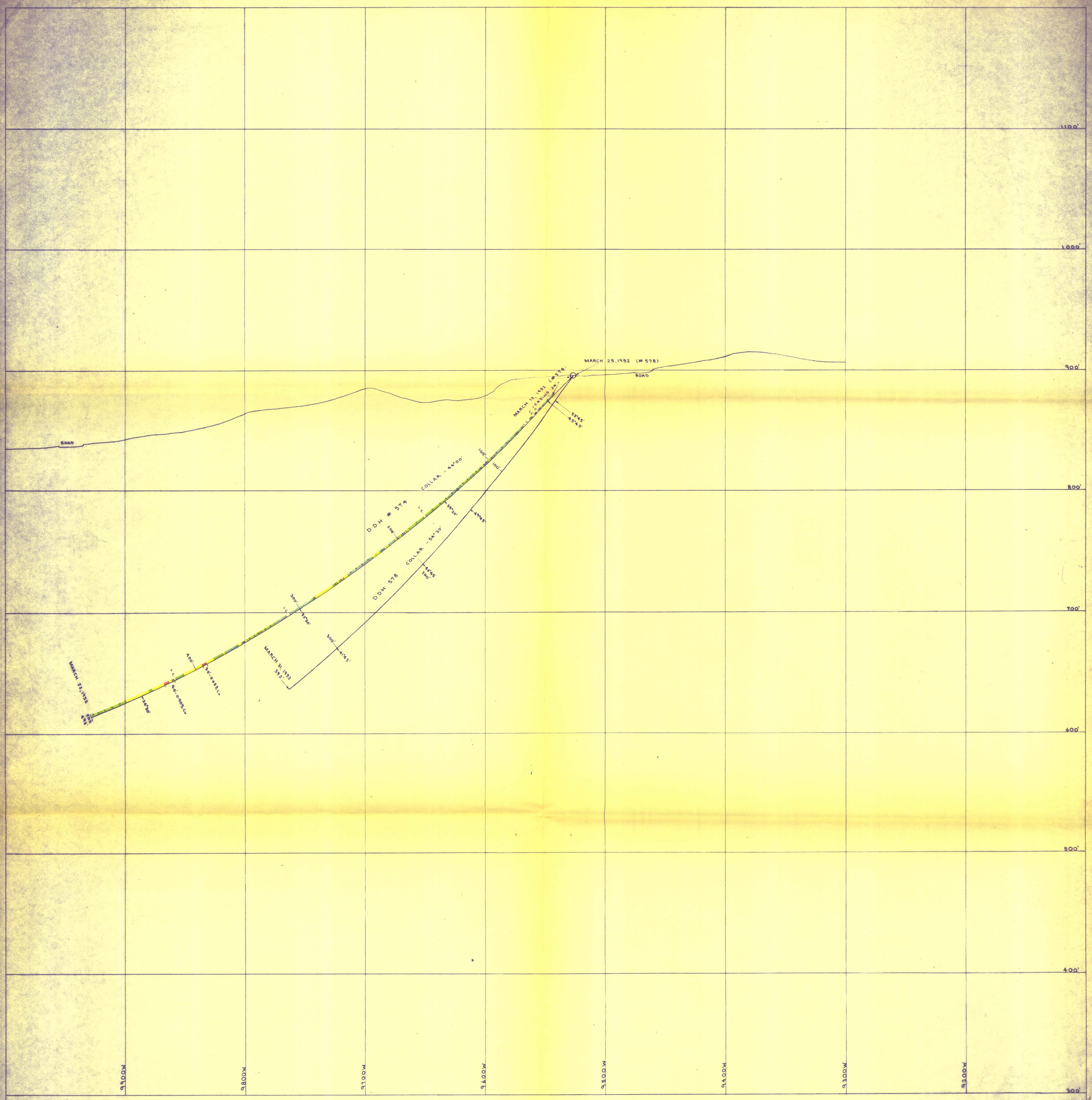
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY.

DIAMOND DRILL STA. N° 2
LOCATED ON LOT #84 STRAFFORD TOWNSHIP, VERMONT
OWNED BY
VERMONT COPPER CO. INC. SO. STRAFFORD, VT.

CROSS SECTION 17,700N

SCALE: 1" = 40'

DATE: February, 29, 1952.



GEOLOGIC SYMBOLS

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- BLACK " " "
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

NOTE
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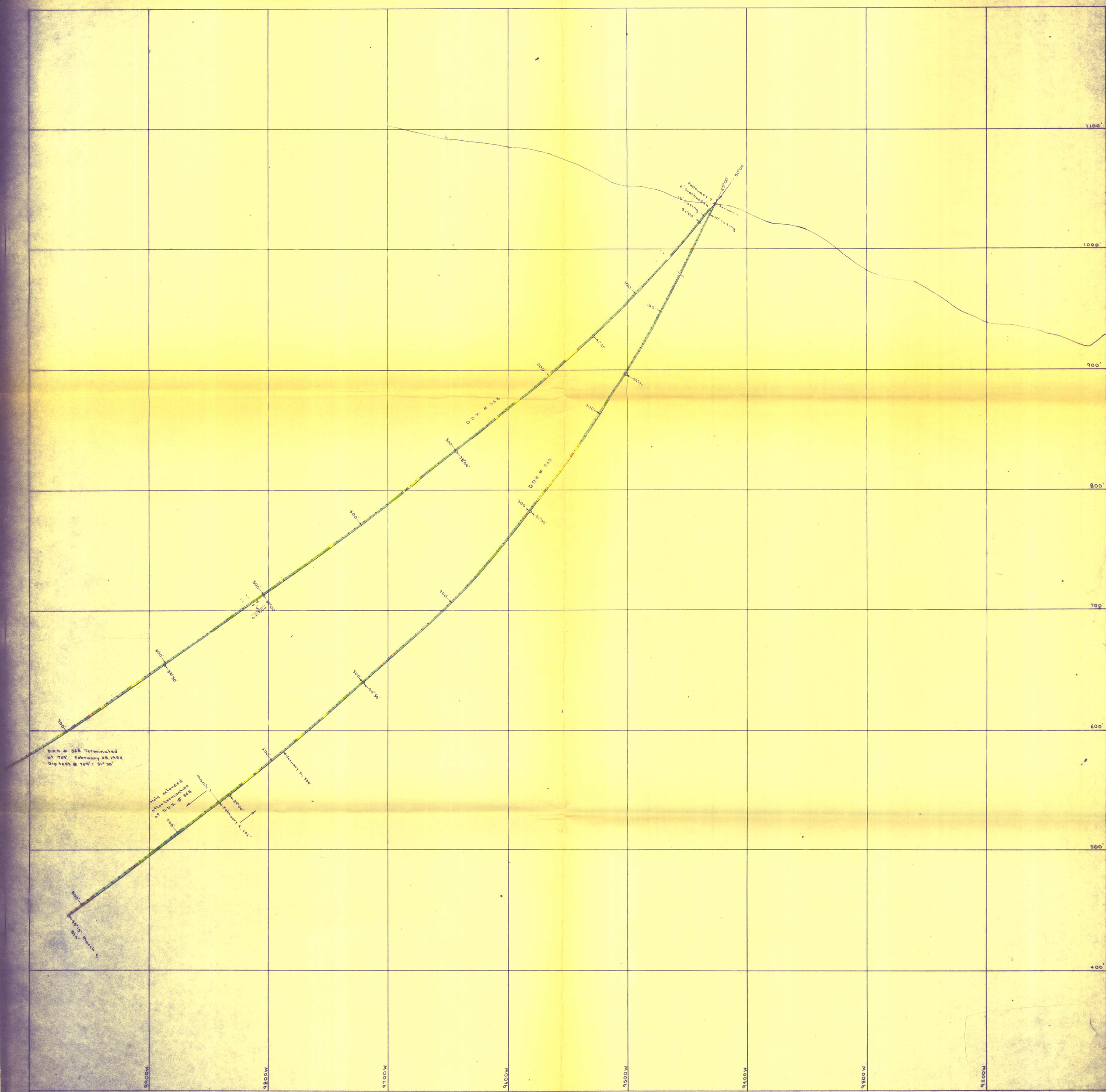
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY

DIAMOND DRILL STA No.-1½
LOCATED ON LOT #84 STRAFFORD TOWNSHIP, VERMONT
OWNED BY
VERMONT COPPER CO, INC., SO. STRAFFORD, VT.

CROSS SECTION 16450 SCALE: 1" = 40'

DATE: MARCH 31, 1952.....

H. G. Brown



GEOLOGIC SYMBOLS

- BROWN BIOTITE GARNET SCHIST
- BLACK - " - " - "
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

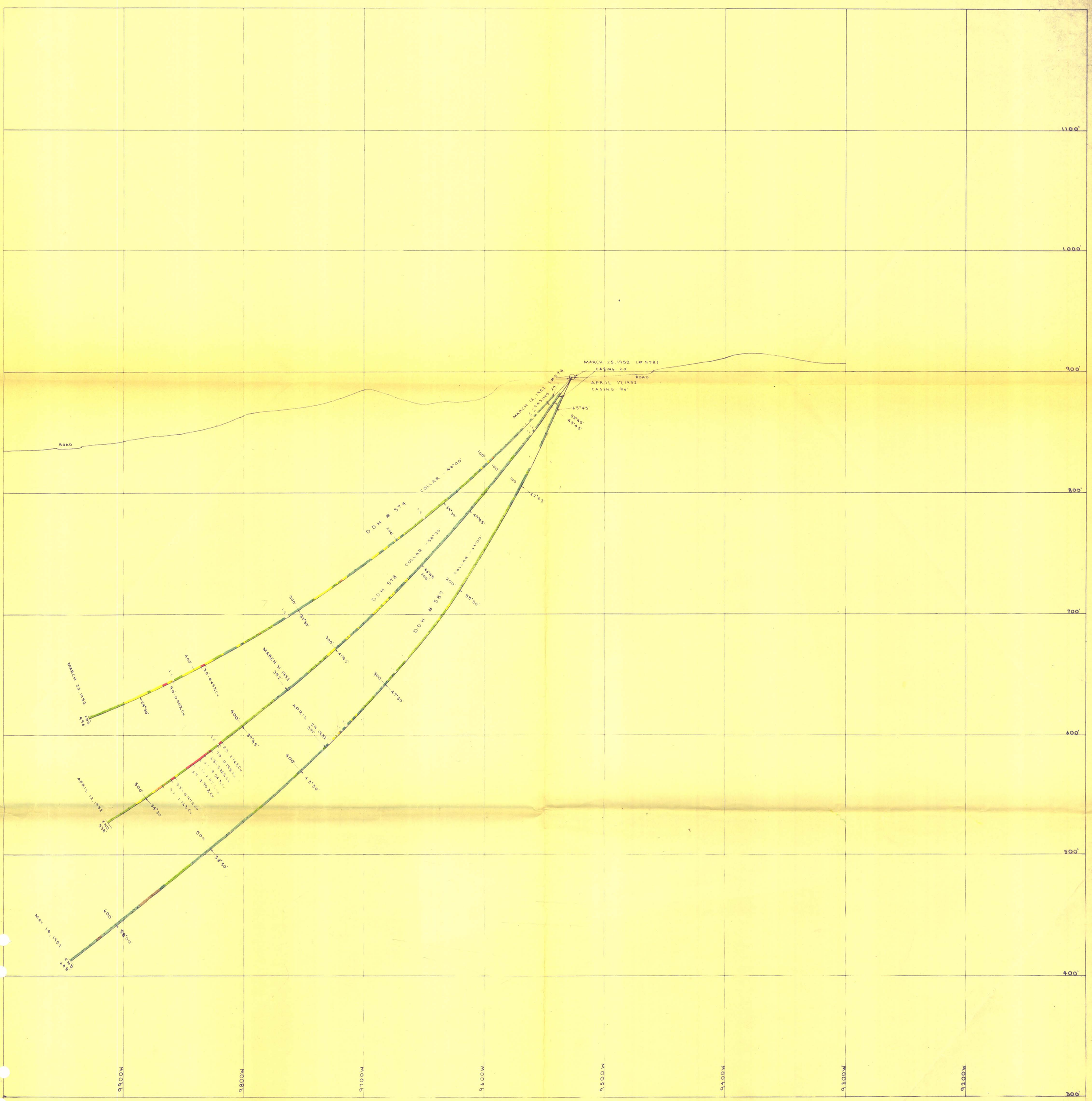
NOTE
HOLES SURVEYED FOR DIP ONLY.
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY.

DIAMOND DRILL STA. N° 2
LOCATED ON LOT # 84 STRAFFORD TOWNSHIP, VERMONT
OWNED BY
VERMONT COPPER CO. INC. SO. STRAFFORD, VT.

CROSS SECTION 17,700N SCALE: 1" = 40'

DATE: MARCH 31, 1952.

H. G. Brown



GEOLOGIC SYMBOLS

- BROWN BIOTITE GARNET SCHIST
- BLACK " " "
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

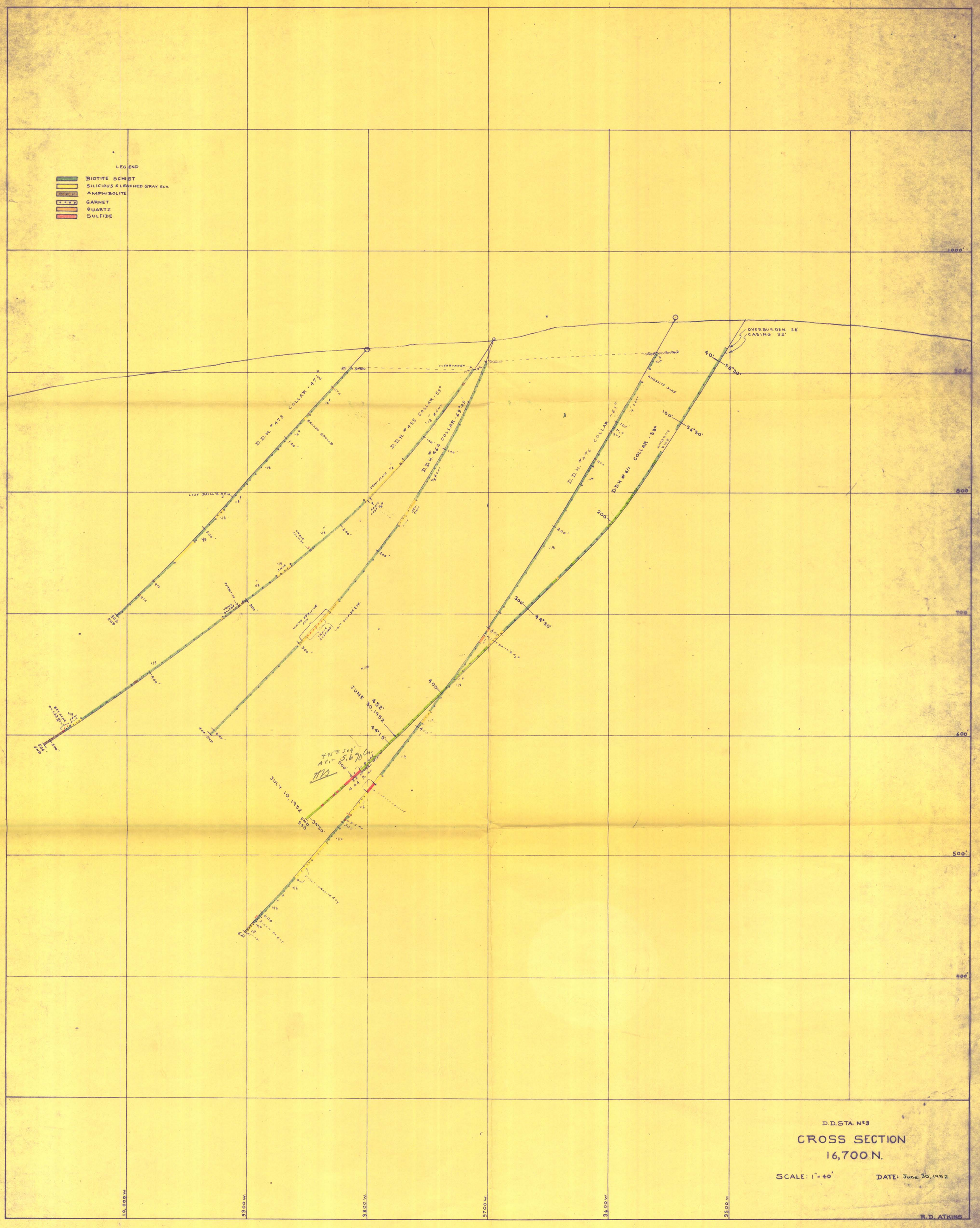
NOTE
HOLES SURVEYED FOR DIP ONLY
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY

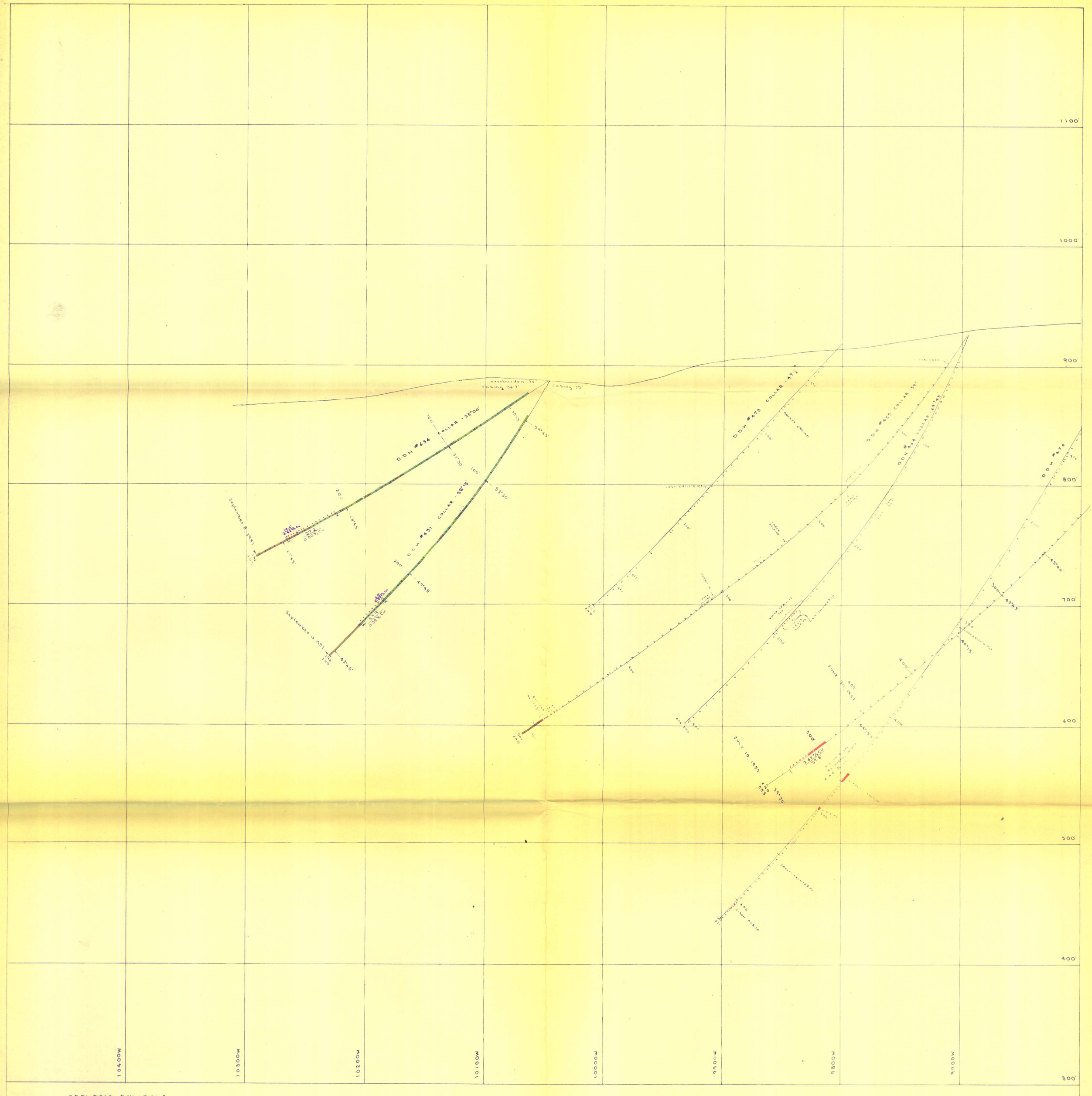
DIAMOND DRILL STA No. 1½
LOCATED ON LOT # 84 STRAFFORD TOWNSHIP, VERMONT
OWNED BY
VERMONT COPPER CO. INC., SO. STRAFFORD, VT.

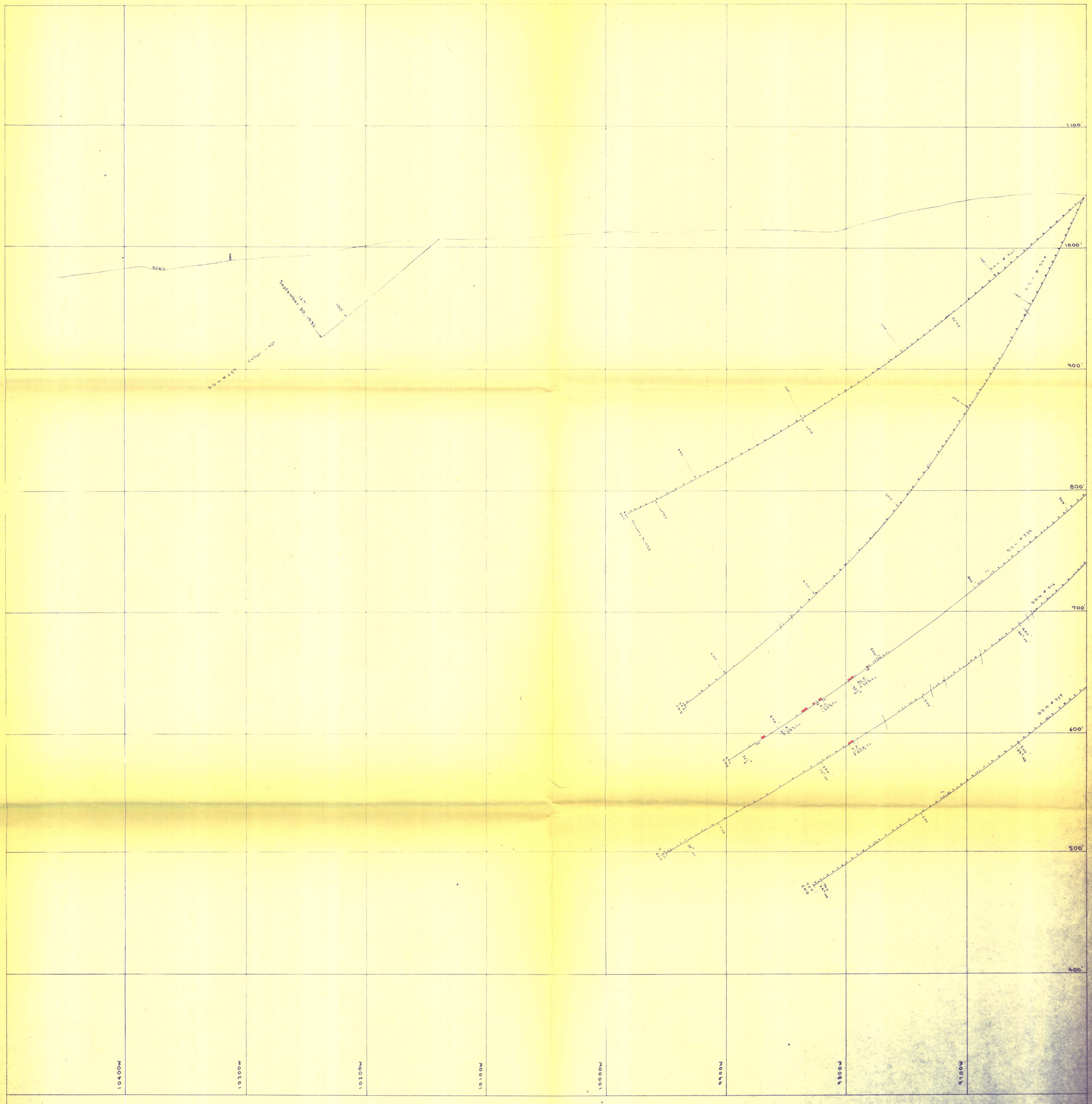
CROSS SECTION 16450 SCALE: 1" = 40

DATE: MAY 31, 1952

H. G. Brown


LEGEND
BIOTITE SCHIST
SILICIOUS & LEACHED GRAY SCH.
AMPHIBOLITE
GARNET
QUARTZ
SULFIDE
D.D.H. #473 COLLAR - 47½°
D.D.H. #455 COLLAR - 59°
D.D.H. #464 COLLAR - 69°45'
D.D.H. #476 COLLAR - 61°
D.D.H. #611 COLLAR - 58°
OVERBURDEN 26'
CASING 32'
40' 58°30'
100' 56°30'
200'
300' 44°30'
400'
JUNE 30, 1952
452'
44°15'
JULY 10, 1952
END 550
39°30'
ANDESITE DIKE
1000'
900'
800'
700'
600'
500'
400'
10,000 W.
9900 W.
9800 W.
9700 W.
9600 W.
9500 W.
D.D. STA. No 8
CROSS SECTION
16,700 N.
SCALE: 1" = 40'
DATE: June 30, 1952
R.D. ATKINS


1100'
1000'
900
800'
700'
600'
500'
400'
300'
10400W
10300W
10200W
10100W
10000W
9900W
9800W
9700W
DDH #634 COLLAR -35°00'
DDH #631 COLLAR -58°15'
DDH #473 COLLAR -47½°
DDH #455 COLLAR -50°
DDH #44 COLLAR -49°35'
DDH #476
overburden 34'
casing 36.7'
casing 35'
September 8, 1952
September 14, 1952
JUNE 30, 1953
JULY 10, 1952
FAULT CALLITHUMPIAN
DIKE FAULT
GEOLOGIC SYMBOLS
BROWN BIOTITE GARNET SCHIST
BLACK " " "
SERICITE GARNET SCHIST
QUARTZITE
AMPHIBOLITE
QUARTZ
ORE
FAULT
HORNBLENDE
GARNET
NOTE
HOLES SURVEYED FOR DIP ONLY
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY.
DIAMOND DRILL STA N°-1A
LOCATED ON LOT #84 STRAFFORD TOWNSHIP, VERMONT
OWNED BY
VERMONT COPPER CO, INC, SO. STRAFFORD, VT.
CROSS SECTION 16,700N
SCALE: 1" = 40'
DATE September 30, 1952



GEOLOGIC SYMBOLS

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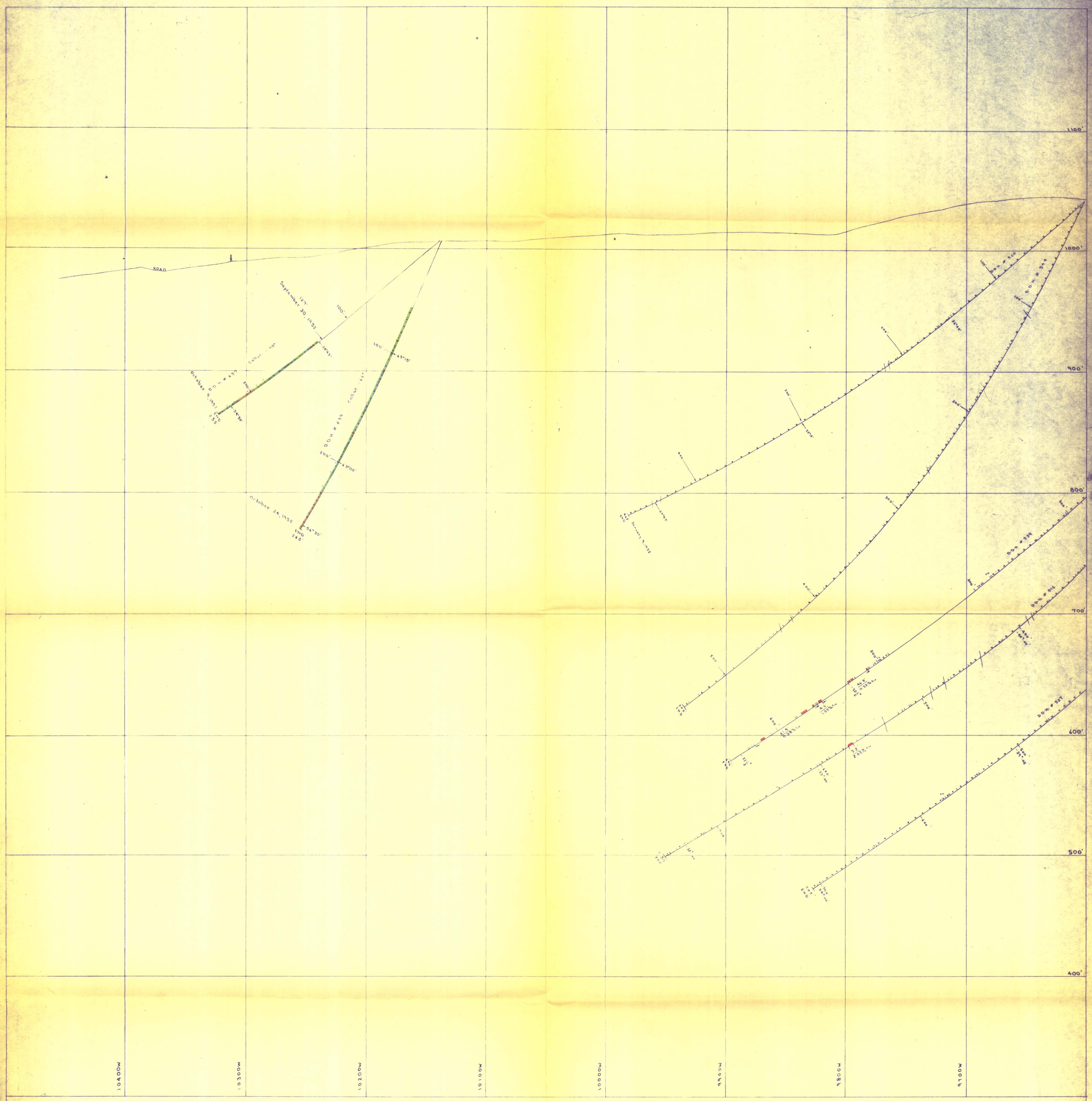
- BLACK - " - " - "
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

NOTE
HOLES SURVEYED FOR DIP ONLY
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY

DIAMOND DRILL STA. N°1A
LOCATED ON LOT #84 STRAFFORD TOWNSHIP, VERMONT.
OWNED BY
VERMONT COPPER CO. INC. SO. STRAFFORD, VT.

CROSS SECTION 17,200N. SCALE: 1" = 40'

DATE: September 30, 1952.



GEOLOGIC SYMBOLS

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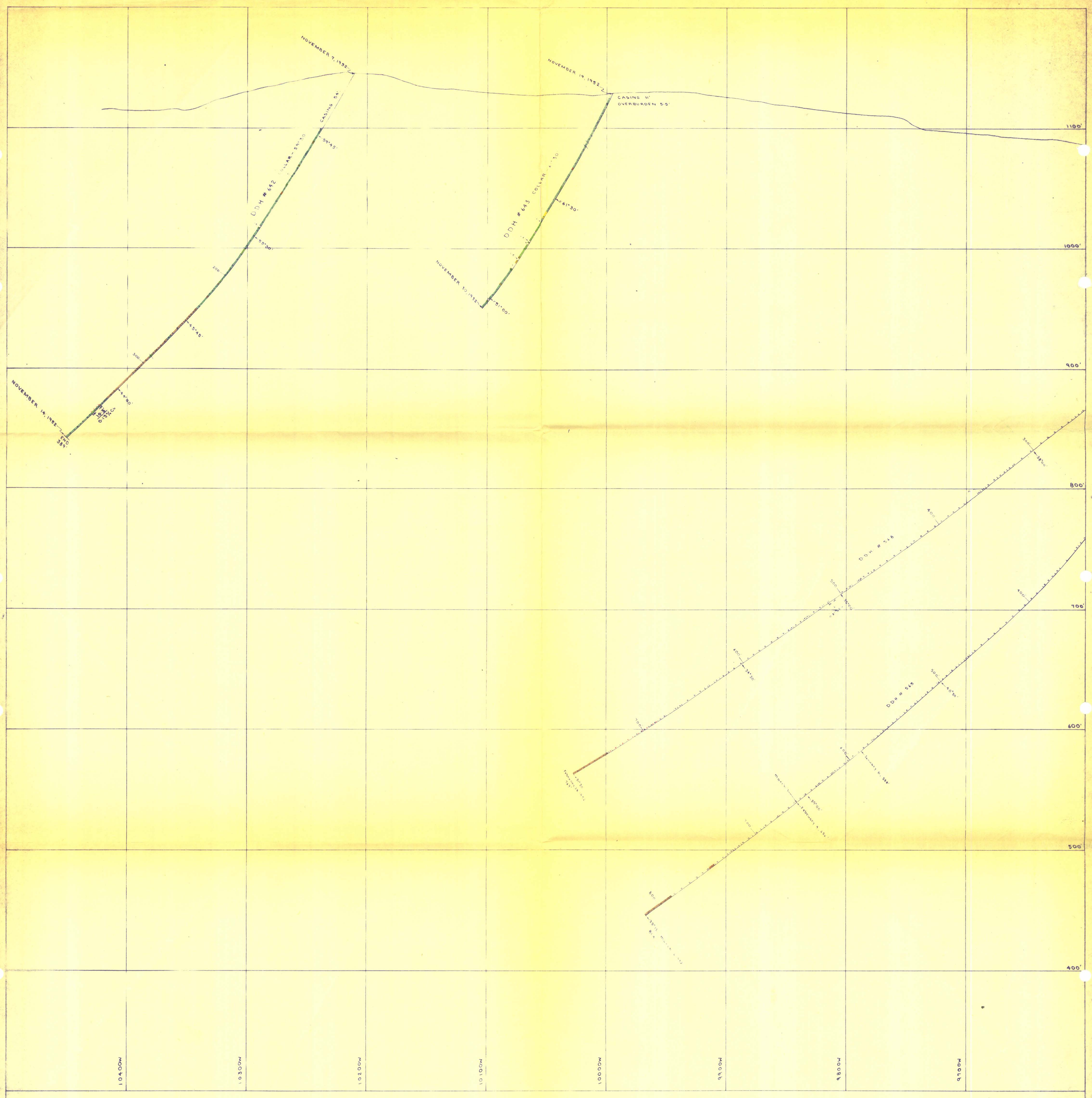
- BLACK - " - " - "
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

NOTE
HOLES SURVEYED FOR DIP ONLY
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY

DIAMOND DRILL STA N° 1A
LOCATED ON LOT # 84 STRAFFORD TOWNSHIP, VERMONT.
OWNED BY
VERMONT COPPER CO, INC So. STRAFFORD, VT.

CROSS SECTION 17,200N. SCALE: 1" = 40'

DATE: October 31, 1952....



GEOLOGIC SYMBOLS

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- BLACK " " " " "
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

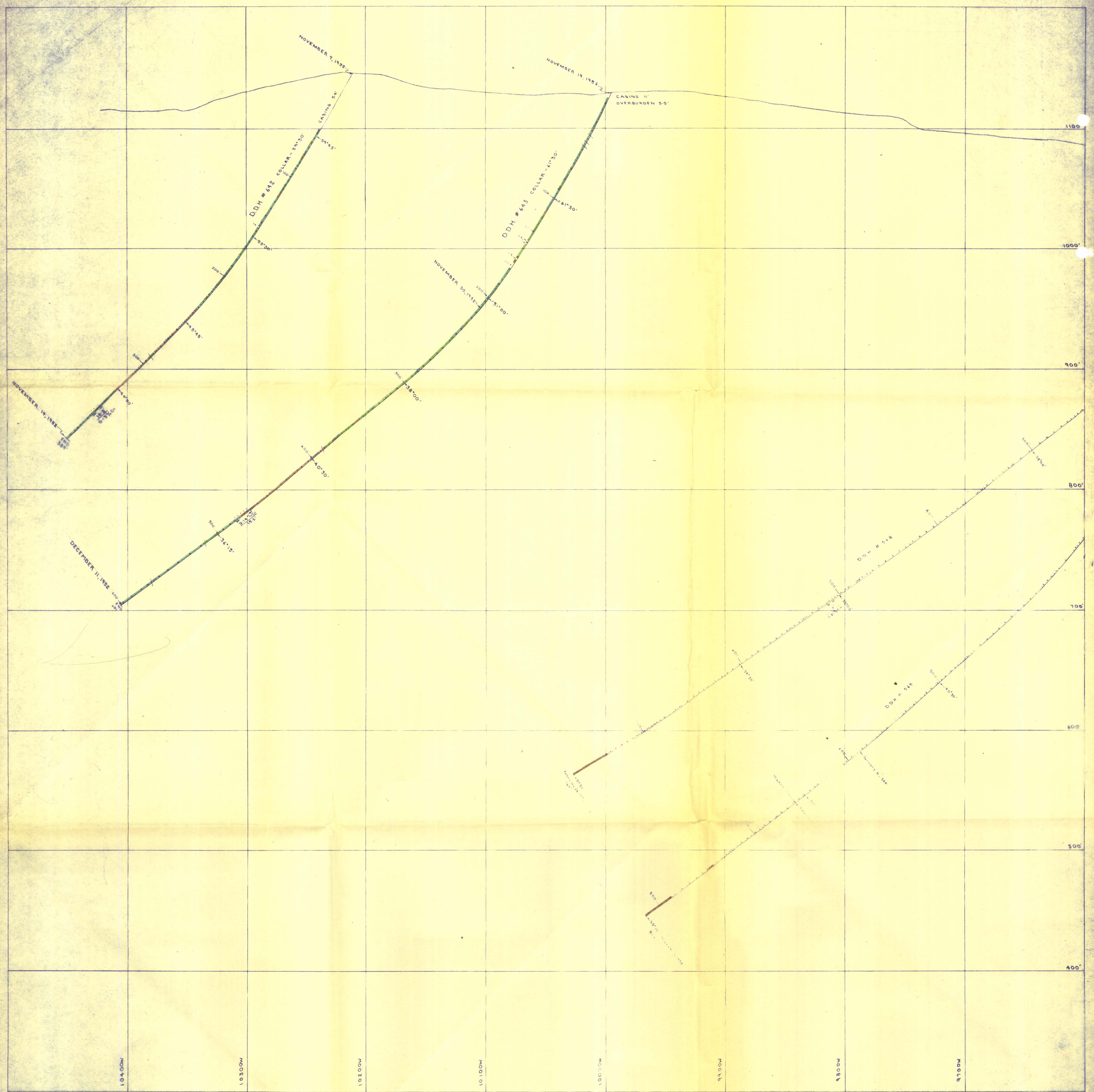
NOTE
HOLES SURVEYED FOR DIP ONLY
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY.

DIAMOND DRILL STA. N°2A
LOCATED ON LOT #84 STRAFFORD TOWNSHIP, VERMONT
OWNED BY
VERMONT COPPER CO. INC., SO. STRAFFORD, VT.

CROSS SECTION 17,700N

SCALE: 1" = 40'

DATE: November 30, 1952



GEOLOGIC SYMBOLS

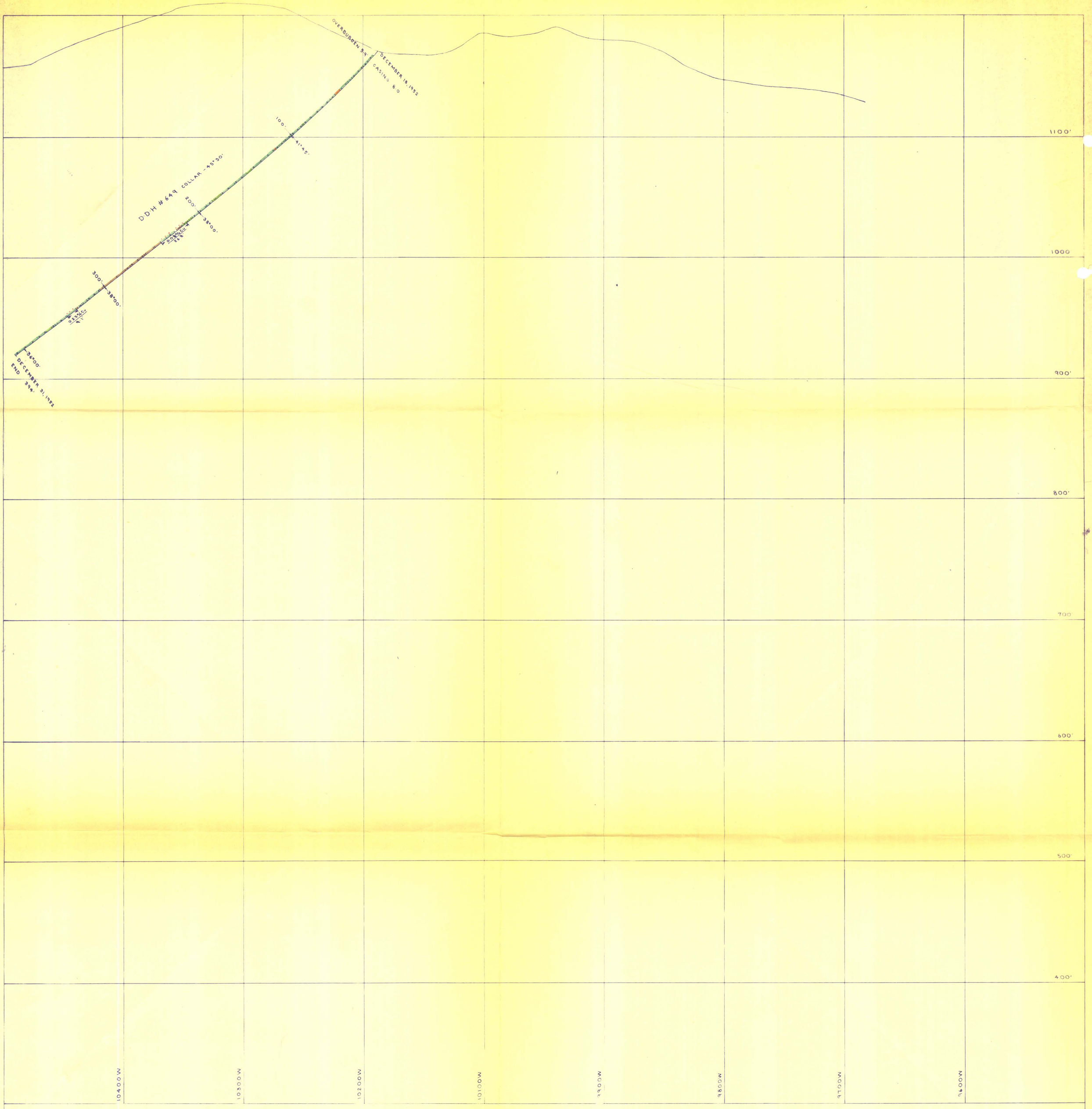
- BROWN BIOTITE GARNET SCHIST
- BLACK - " - " - "
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

NOTE
HOLES SURVEYED FOR DIP ONLY
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY.

DIAMOND DRILL STA. N°2A
LOCATED ON LOT #84 STRAFFORD TOWNSHIP, VERMONT
OWNED BY
VERMONT COPPER CO. INC., SO. STRAFFORD, VT.

CROSS SECTION 17,700N SCALE: 1" = 40'

DATE: December 31, 1952



GEOLOGIC SYMBOLS

- BROWN BIOTITE GARNET SCHIST
- BLACK
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

NOTE
HOLES SURVEYED FOR DIP ONLY
ALL DIPS SHOWN CORRECTED FOR CAPILLARITY

DIAMOND DRILL STA N° 3A
LOCATED ON LOT #84 STRAFFORD TOWNSHIP, VERMONT
OWNED BY
VERMONT COPPER CO. INC., SO. STRAFFORD, VT.

CROSS SECTION 18,200N SCALE: 1" = 40'

DATE December 31, 1952

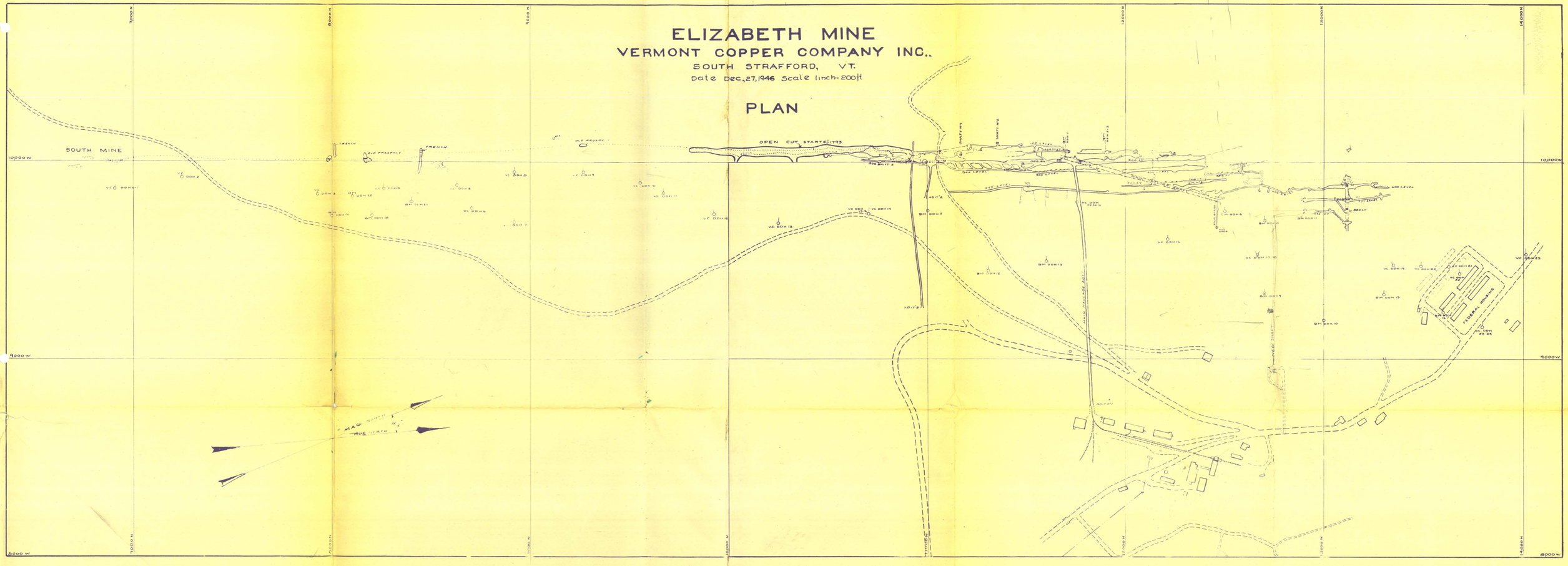
ELIZABETH MINE

VERMONT COPPER COMPANY INC.

SOUTH STRAFFORD, VT.

Date Dec. 27, 1946 Scale 1 inch = 200 ft

PLAN



VERTICAL LONGITUDINAL PROJECTION OF ORE ZONE

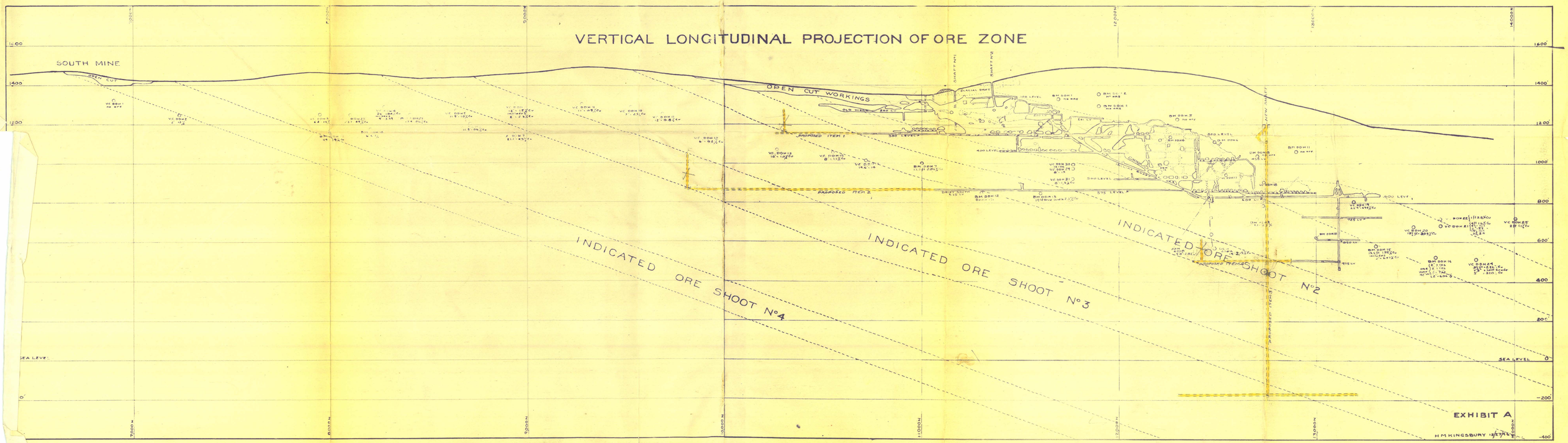
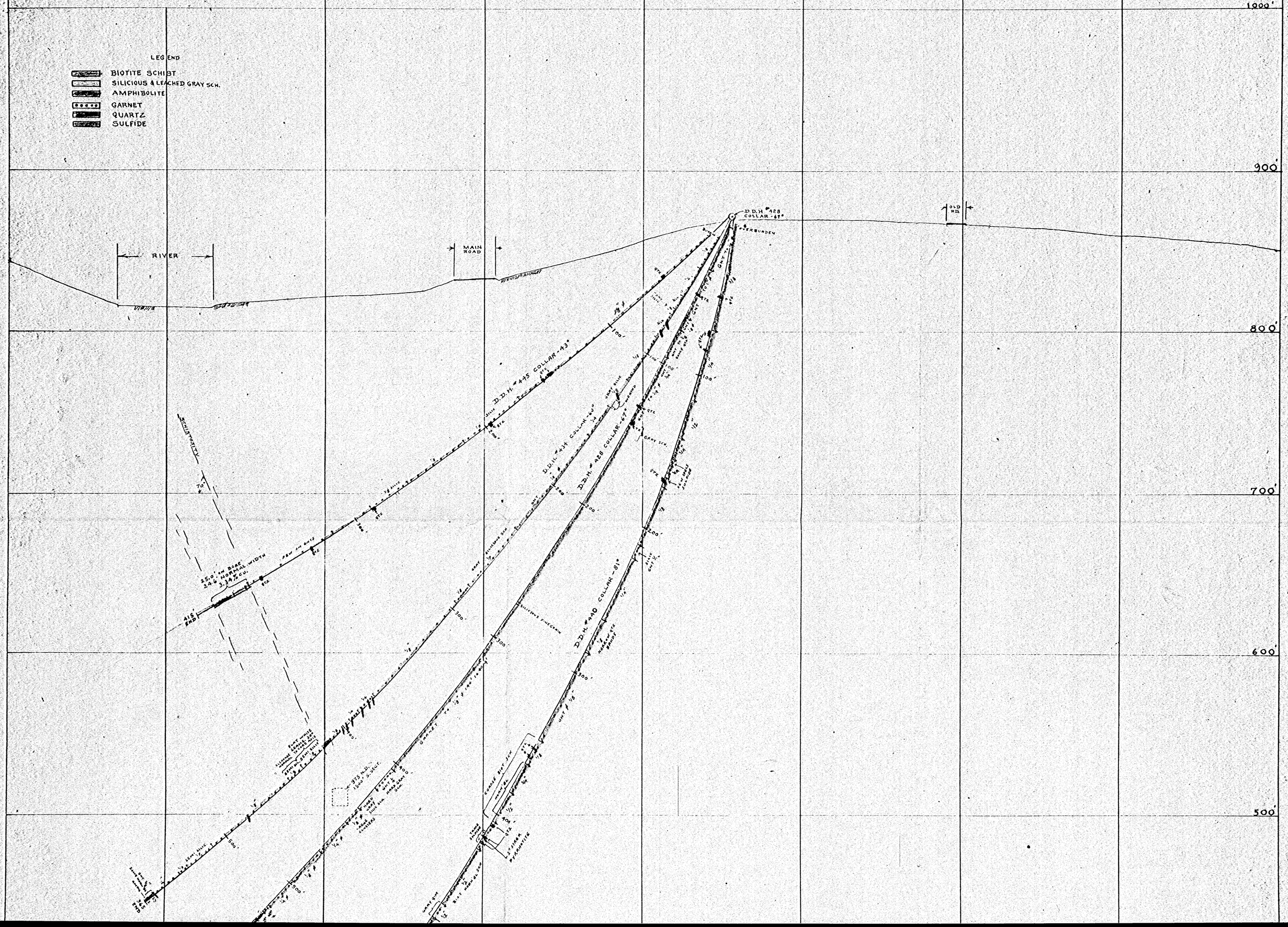


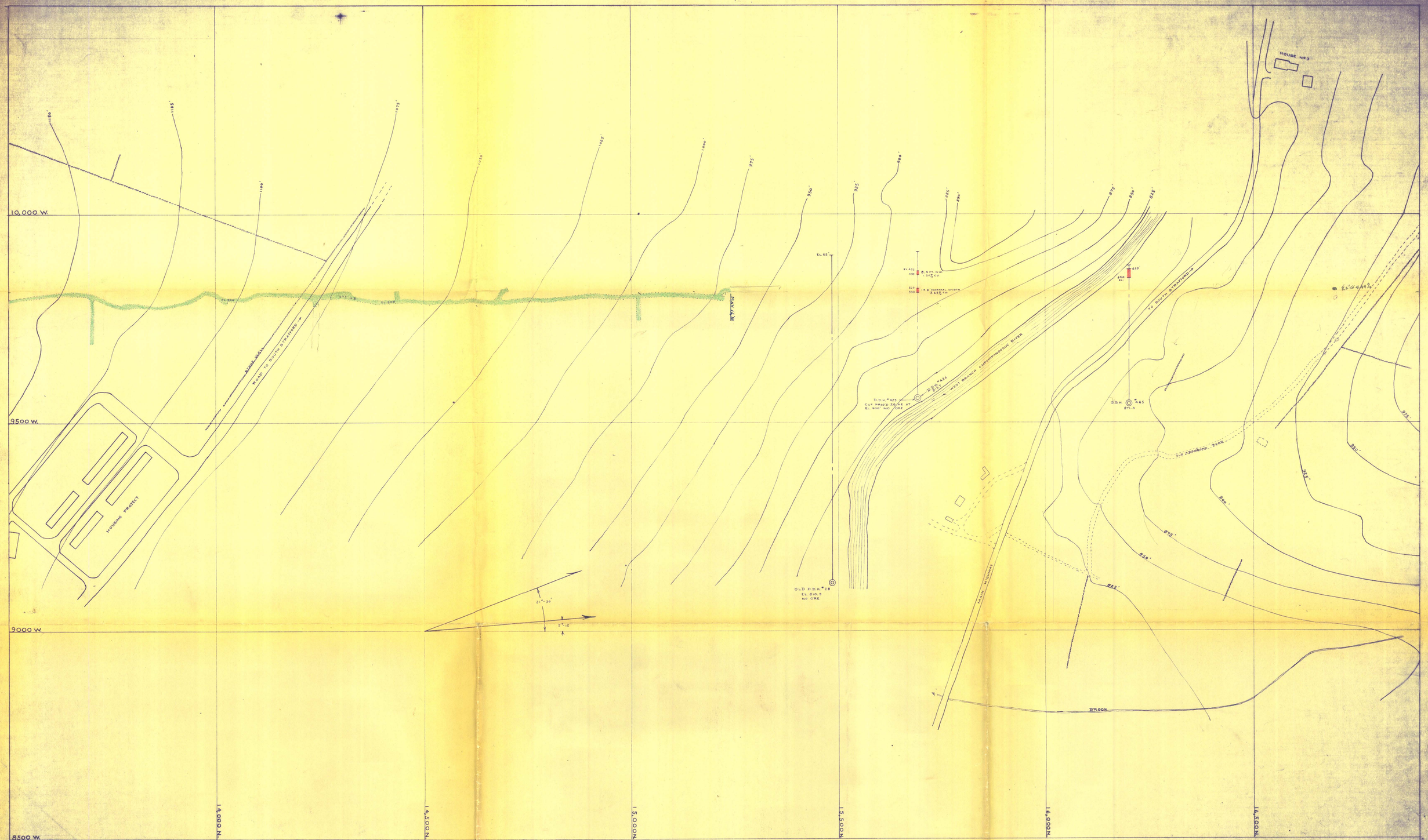
EXHIBIT A

H M KINGSBURY 12/27/46

LOG OF MINERALIZED ZONE D.D.H. #445

FROM	TO			WIDTH	ASSAY % CU.	
379.0	-	381.6	BIOTITE SCHIST WEAK CP. DISEM	2.0'	2.45	
381.6	-	386.0	MASSIVE SULFIDE	5.0'	4.84	
386.0	-	390.0	LOST CORE	4.0'	—	WTD AV. 85'
390.0	-	393.2	MASSIVE SULFIDE	3.2'	3.13	3.34% CU.
393.2	-	395.8	STRINGERS OF SULFIDE & SCHIST	2.6'	0.37	
395.8	-	404.0	" " " " "	4.2'	2.20	

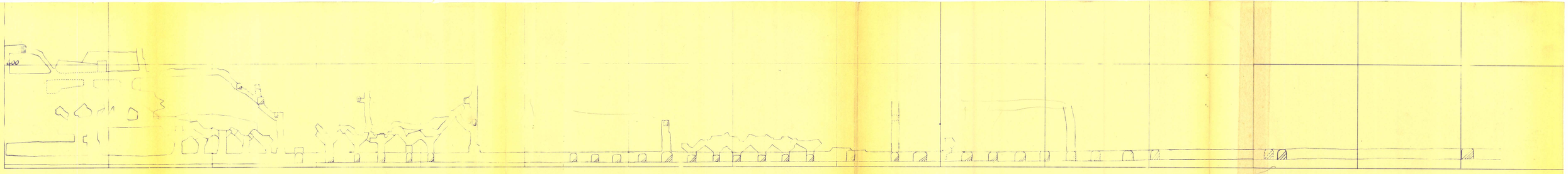




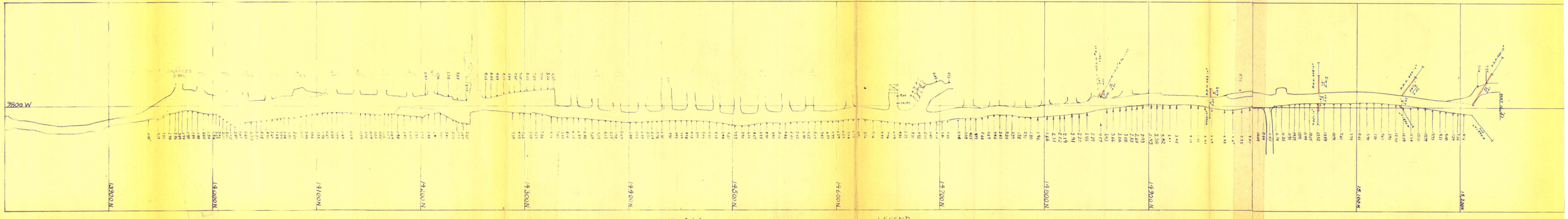
VERMONT COPPER COMPANY
SOUTH STRAFFORD
VERMONT

PLAN OF SURFACE DIAMOND DRILLING

SCALE: 1" = 100' DEC. 1950



LONGITUDINAL SECTION



SAMPLE PLAN

~~DEVELOPMENT PROGRESS~~ 975 N.D.

SCALE 1:50

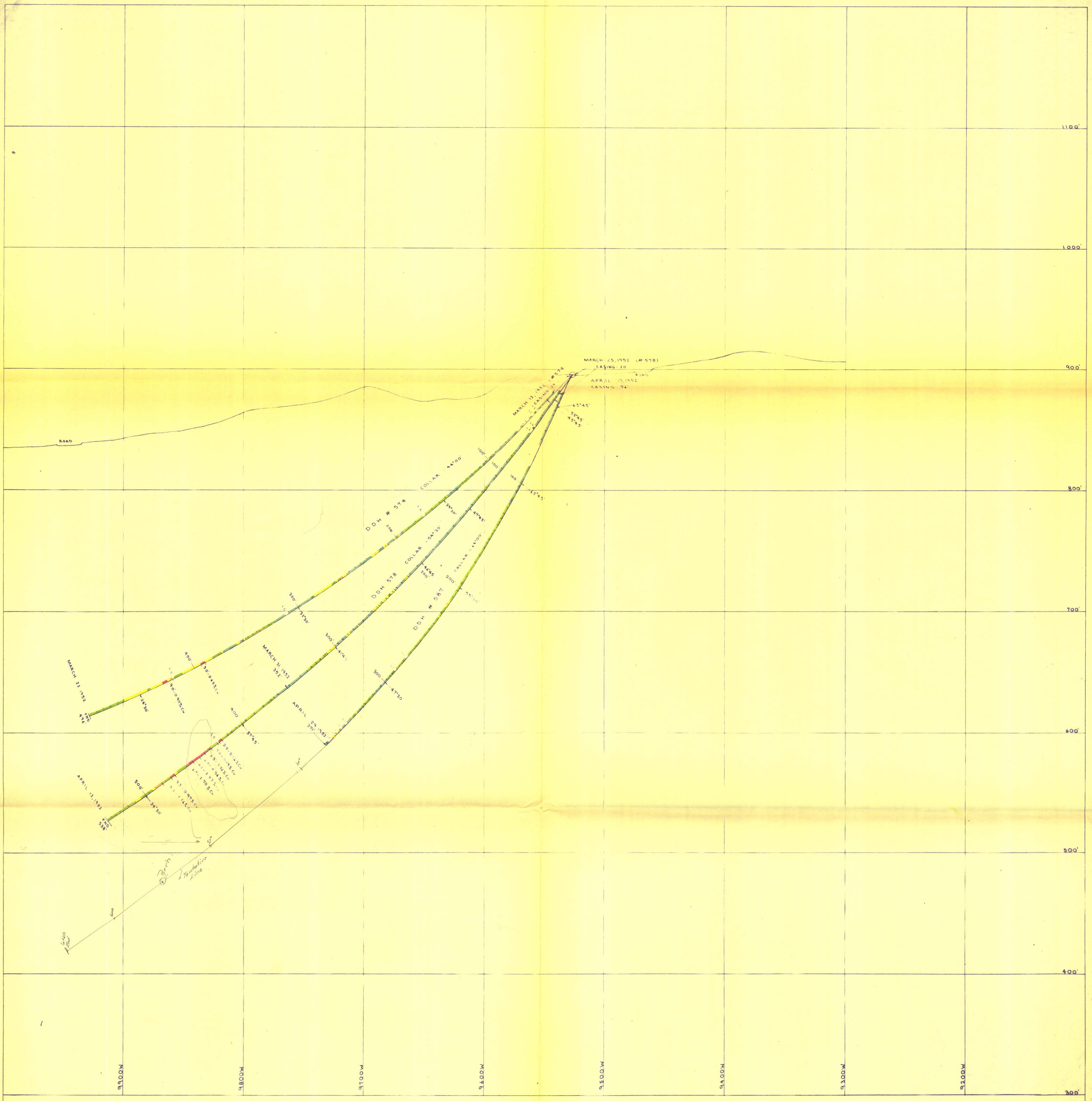
LEGEND

DECEMBER 1930

JANUARY 1931

V.C. SUTTER CO. INC.

ST. JOHNSBURY, VT.



GEOLOGIC SYMBOLS

- BROWN BIOTITE GARNET SCHIST
- BLACK " " "
- SERICITE GARNET SCHIST
- QUARTZITE
- AMPHIBOLITE
- QUARTZ
- ORE
- FAULT
- HORNBLENDE
- GARNET

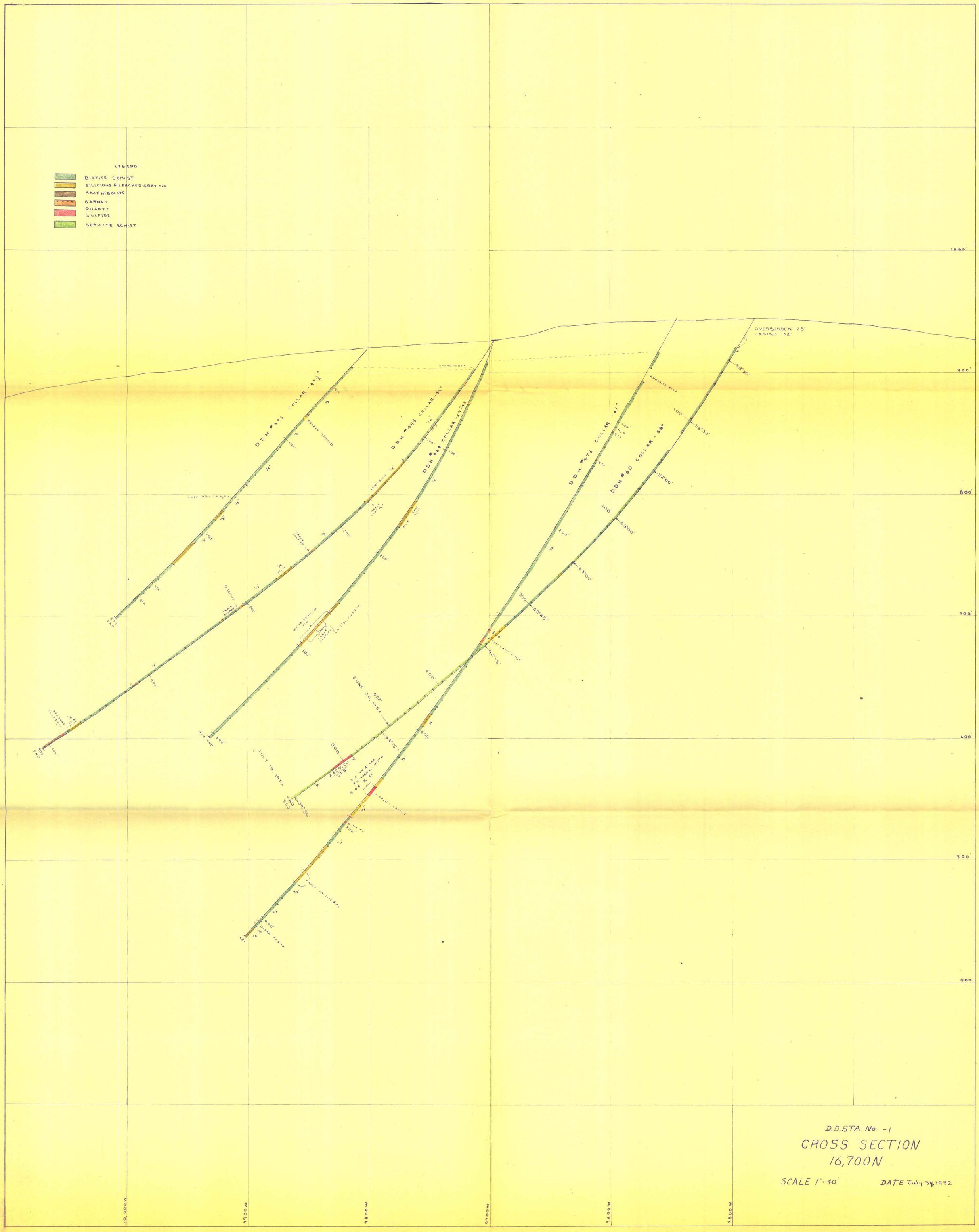
NOTE
HOLES SURVEYED FOR DIP ONLY
ALL DIPS SHOWN CORRECTED FOR SAG CLARITY

DIAMOND DRILL STA No. 1½
LOCATED ON LOT # 84 STRAFFORD TOWNSHIP, VERMONT
OWNED BY
VERMONT COPPER CO. INC., SO. STRAFFORD, VT.

CROSS SECTION 16450 SCALE: 1" = 40'

DATE: April 30, 1952

H. G. Brown



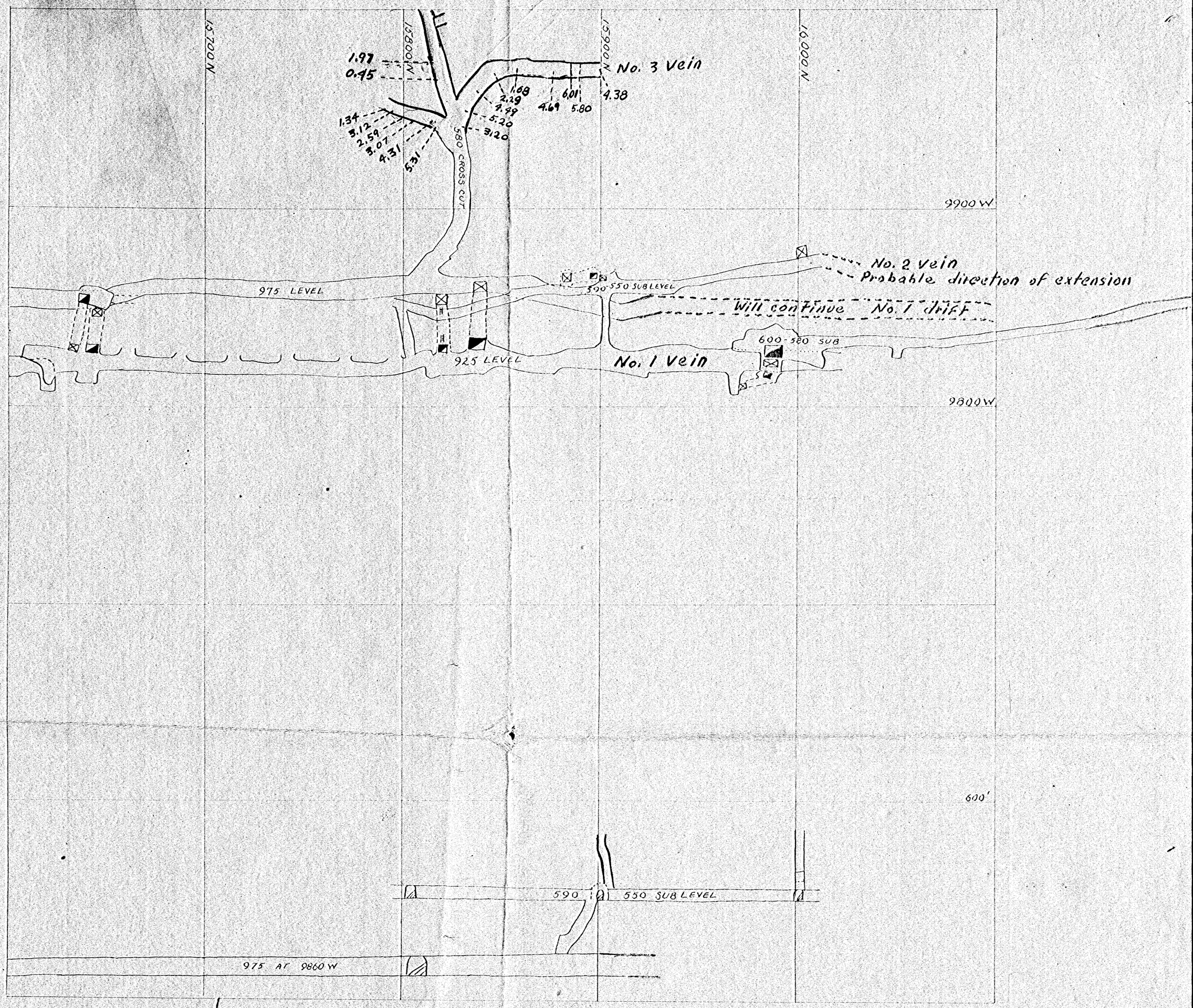
D.D.STA. No. -1

CROSS SECTION

16,700N

SCALE 1" = 40'

DATE July 31, 1952



----- Proposed Extension

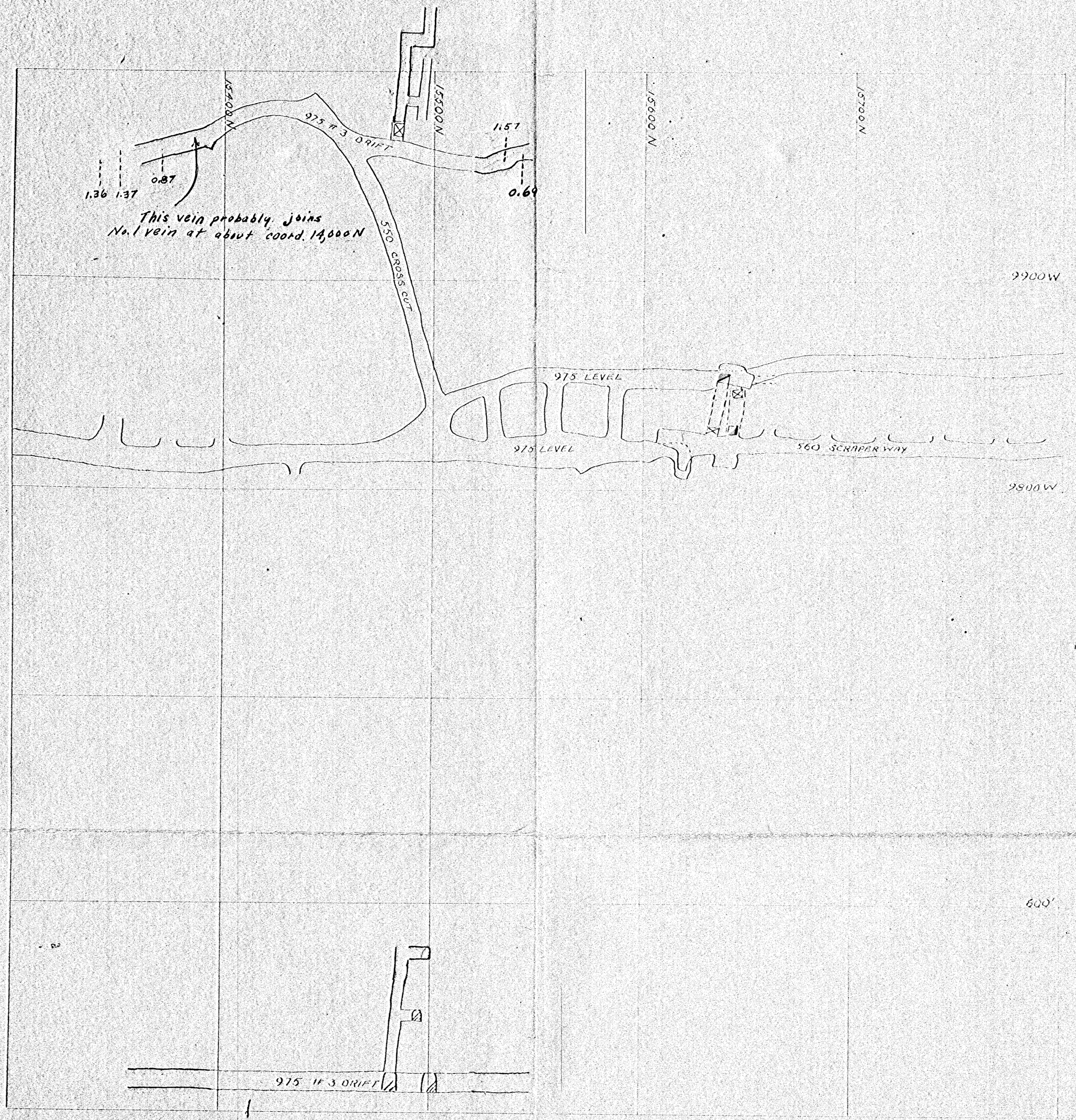
--5.20 Assay Percent copper

PLAN AND
LONGITUDINAL SECTION
15600 N TO 16100 N

SCALE: 1 IN = 40 FT September 1953

VERMONT COPPER CO.

DNEA-1576X



1.36 Assay Percent copper

PLAN AND
LONGITUDINAL SECTION
15300 N TO 15800 N
SCALE: 1 IN = 40 FT September 1953
VERMONT COPPER CO.

DMEA-1586X