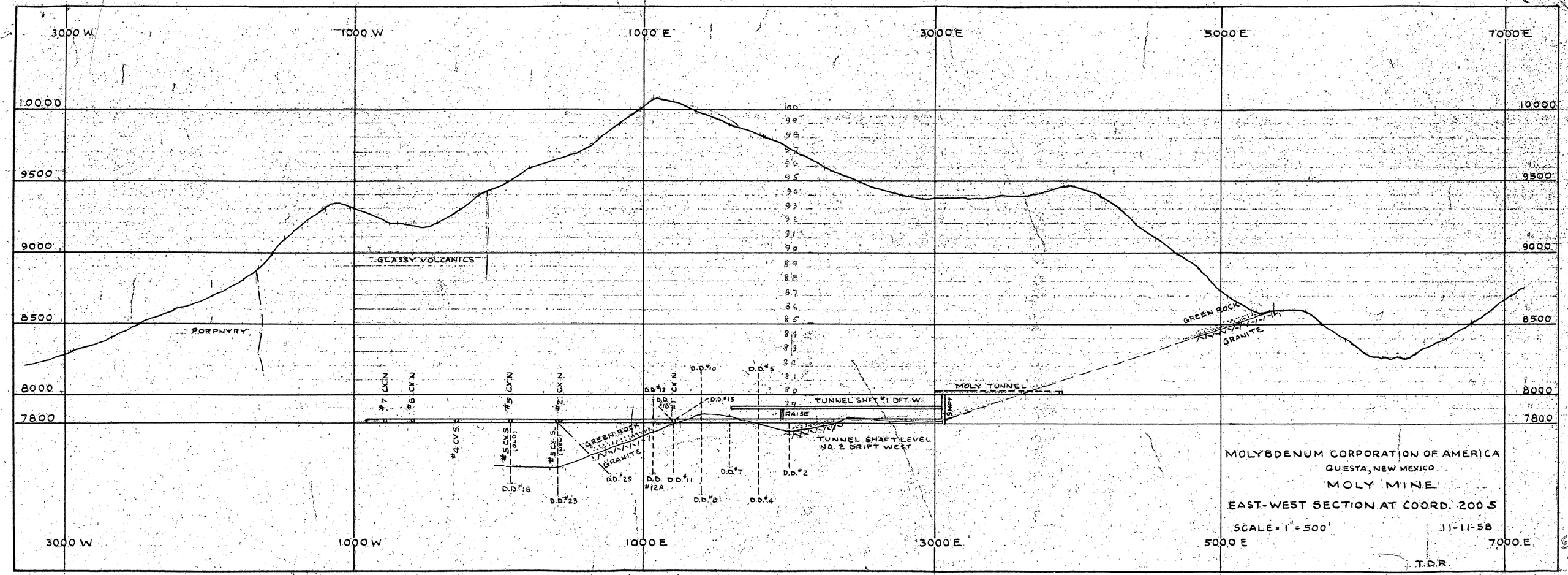
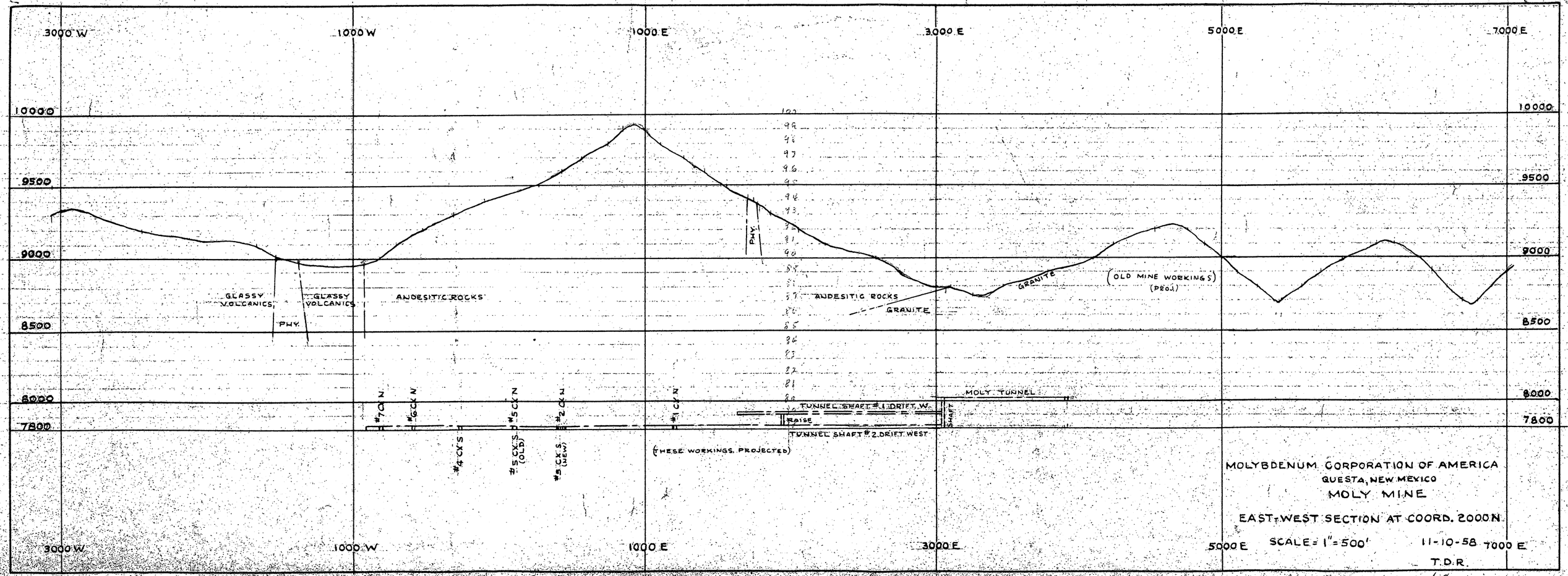
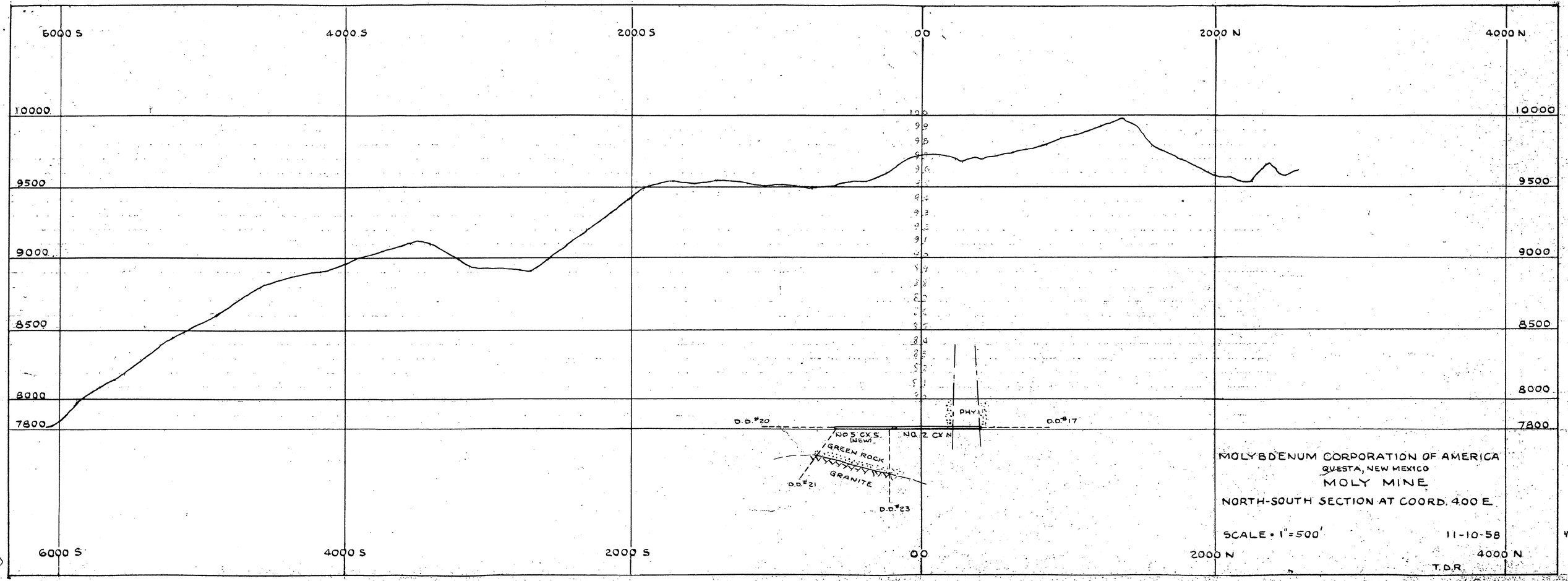

3000 W
1000 W
1000 E
3000 E
5000 E
7000 E
10000
9500
9000
8500
8000
7800
GLASSY VOLCANICS
PORPHYRY
GREEN ROCK
GRANITE
MOLY TUNNEL
TUNNEL SHAFT #1 DFT. W.
RAISE
SHAFT
TUNNEL SHAFT LEVEL
NO. 2 DRIFT WEST
#7 CX N
#6 CX N
#5 CX N
#2 CX N
#4 CX S.
#5 CX S. (OLD)
#5 CX S. (NEW)
D.D. #12
D.D. #16
D.D. #10
D.D. #5
D.D. #15
D.D. #18
D.D. #23
D.D. #25
D.D. #12A
D.D. #11
D.D. #8
D.D. #7
D.D. #4
D.D. #2
MOLYBDENUM CORPORATION OF AMERICA
QUESTA, NEW MEXICO
MOLY MINE
EAST-WEST SECTION AT COORD. 200 S
SCALE = 1" = 500'
11-11-58
T.D.R.

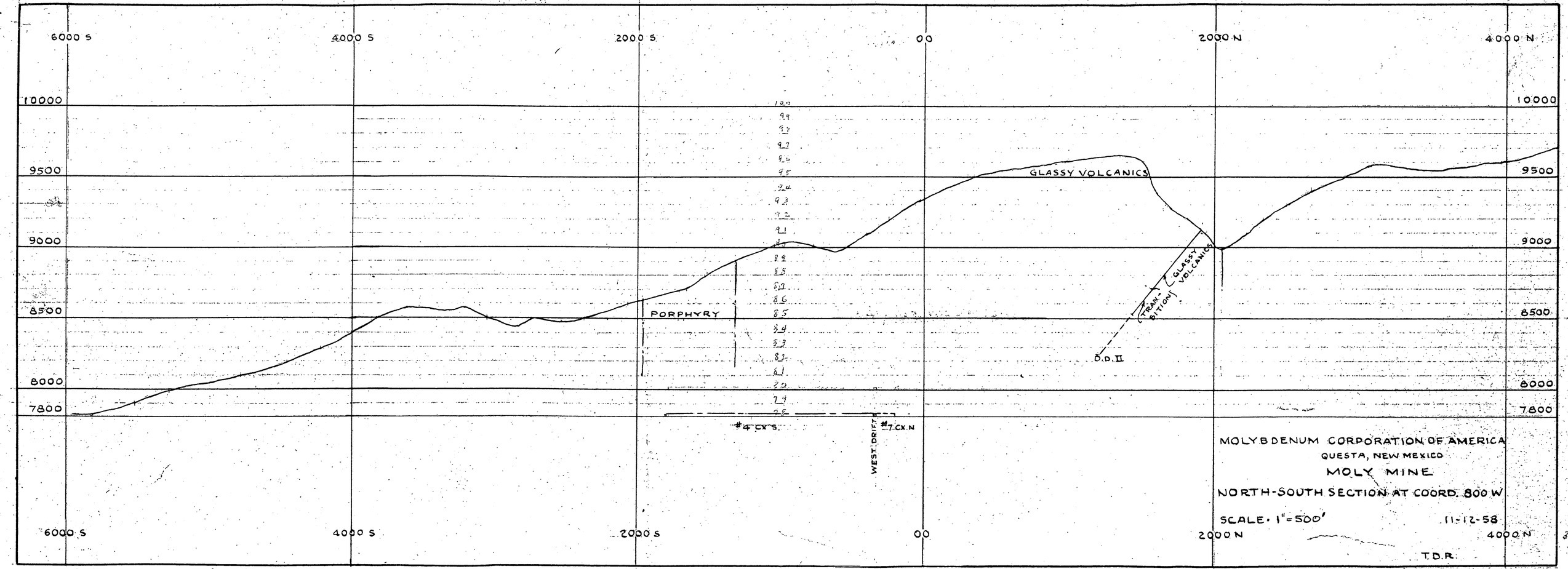
DMEA-4568


3000 W
1000 W
1000 E
3000 E
5000 E
7000 E
10000
9500
9000
8500
8000
7800
GLASSY VOLCANICS
GLASSY VOLCANICS
PHY.
ANDESITIC ROCKS
PHY.
ANDESITIC ROCKS
GRANITE
GRANITE
(OLD MINE WORKINGS)
(PROJ.)
#7 CK N
#6 CK N
#4 CK S
#5 CK S (OLD)
#5 CK S (NEW)
#2 CK N
#1 CK N
MOLY TUNNEL
TUNNEL SHAFT #1 DRIFT W.
RAISE
SHAFT
TUNNEL SHAFT #2 DRIFT WEST
(THESE WORKINGS, PROJECTED)
MOLYBDENUM CORPORATION OF AMERICA
QUESTA, NEW MEXICO
MOLY MINE
EAST-WEST SECTION AT COORD. 2000 N
SCALE = 1" = 500'
11-10-58
T.D.R.

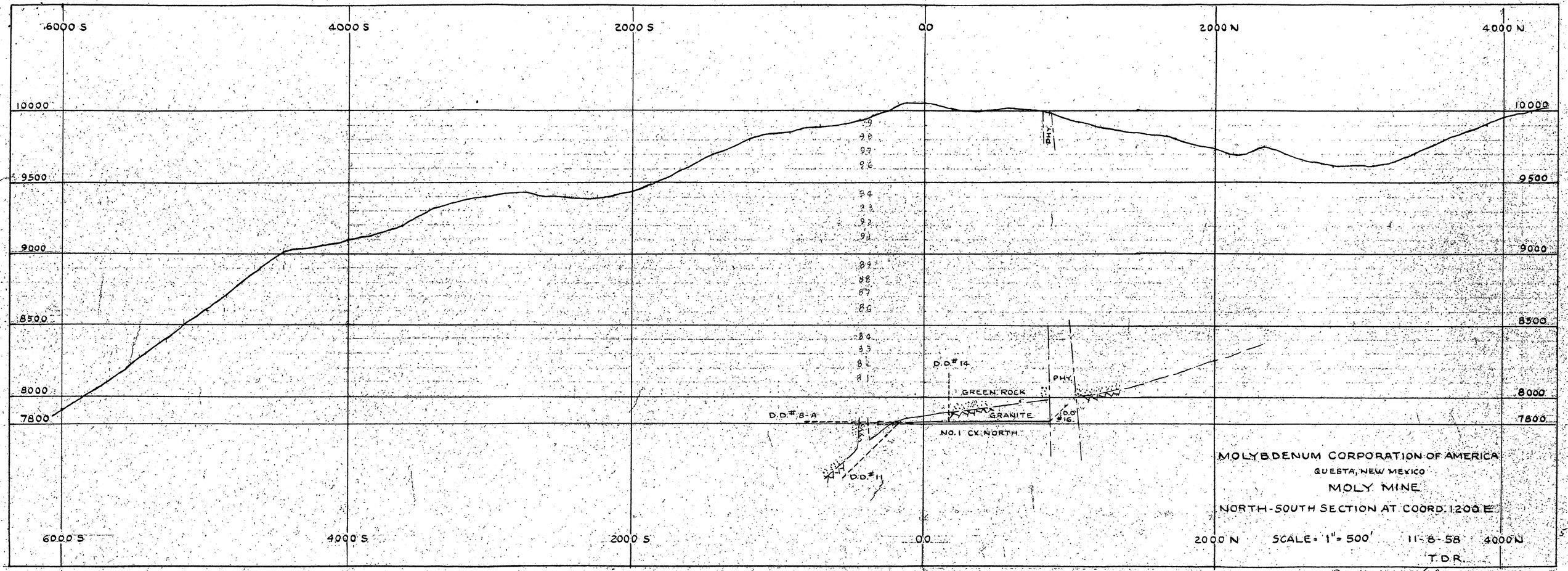
DMEA-45-8


6000 S
4000 S
2000 S
00
2000 N
4000 N
10000
9500
9000
8500
8000
7800
D.D.#20
NO 5 CX S. (NEW)
NO. 2 CX N
PHY 1
D.D.#17
GREEN ROCK
GRANITE
D.D.#21
D.D.#23
MOLYBDENUM CORPORATION OF AMERICA
QUESTA, NEW MEXICO
MOLY MINE
NORTH-SOUTH SECTION AT COORD. 400 E.
SCALE = 1"=500'
11-10-58
T.D.R.

DMEA-45-68


6000 S
4000 S
2000 S
00
2000 N
4000 N
10000
9500
9000
8500
8000
7800
GLASSY VOLCANICS
PORPHYRY
TRAN-SITION
GLASSY VOLCANICS
D.D. II
#4 CX S.
WEST DRIFT
#7 CX N
MOLYBDENUM CORPORATION OF AMERICA
QUESTA, NEW MEXICO
MOLY MINE
NORTH-SOUTH SECTION AT COORD. 800 W
SCALE: 1" = 500'
11-12-58
T.D.R.

DMEA-4568


6000 S
4000 S
2000 S
00
2000 N
4000 N
10000
9500
9000
8500
8000
7800
9
98
97
96
94
93
92
91
89
88
87
86
84
83
82
81
D.D.# 14
GREEN ROCK
PHY.
GRANITE
D.D.# 8-A
D.D. #16
NO. 1 CX. NORTH
D.D.# 11
MOLYBDENUM CORPORATION OF AMERICA
QUESTA, NEW MEXICO
MOLY MINE
NORTH-SOUTH SECTION AT COORD. 1200 E.
SCALE = 1" = 500'
11-8-58
T.D.R.

DMEA-4568

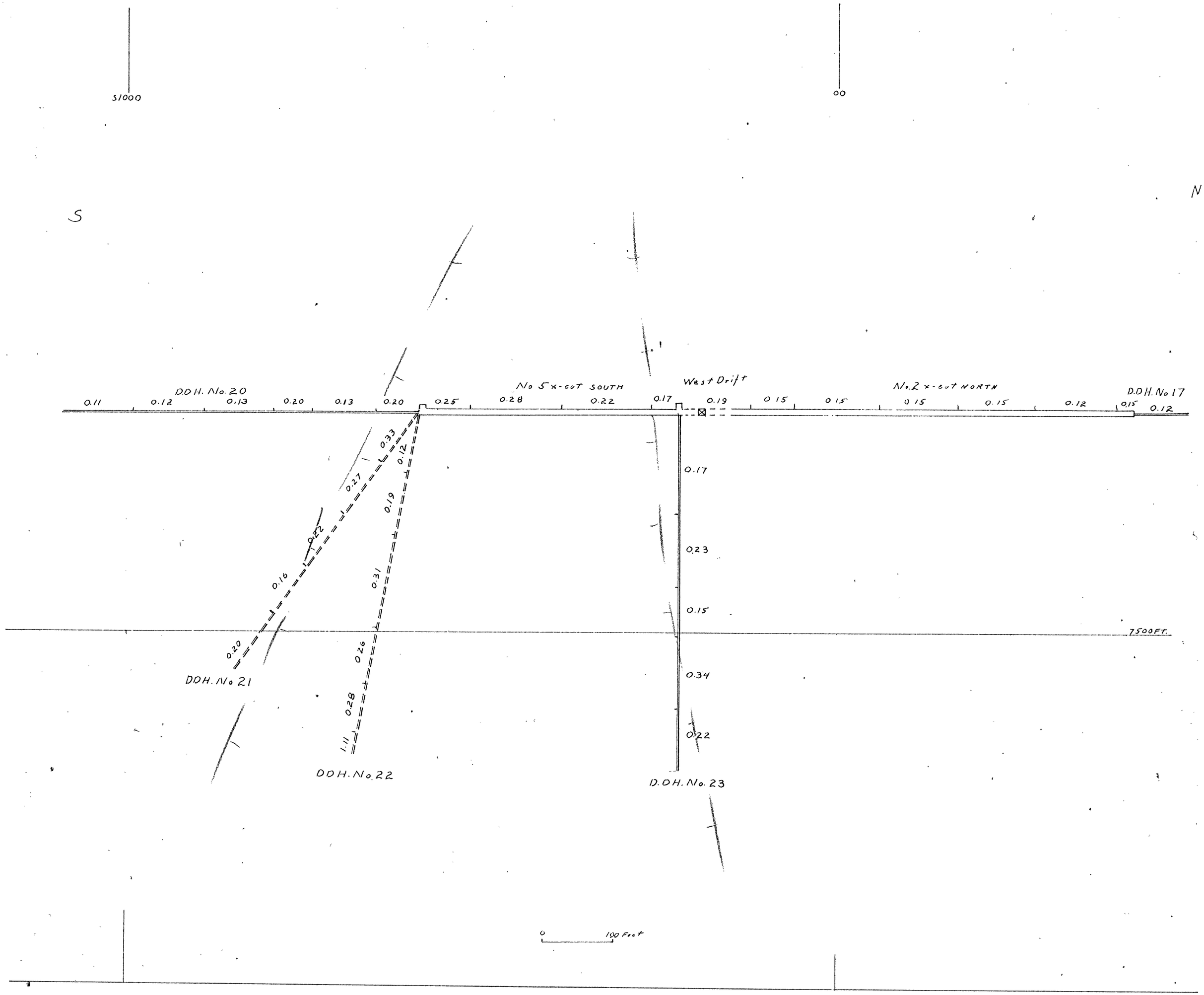
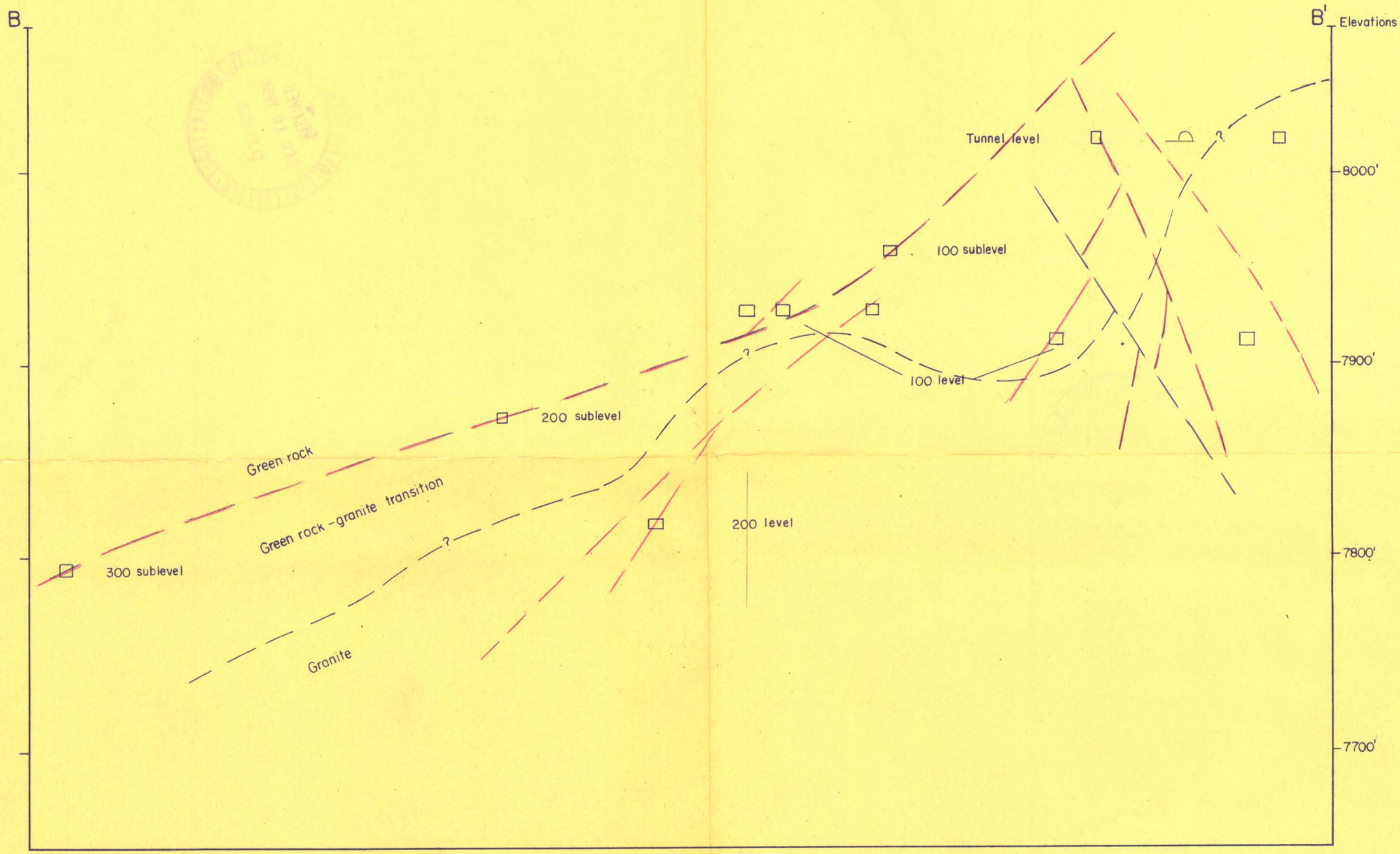


FIGURE 3.- SECTION ALONG COORDINATE E400

MOLYBDENUM CORPORATION OF AMERICA

PLATE 4



NORTH-SOUTH CROSS SECTION B-B'

SHOWING PROBABLE CONTACT RELATIONSHIPS

LOOKING WEST

0' 50' 100'

SCALE

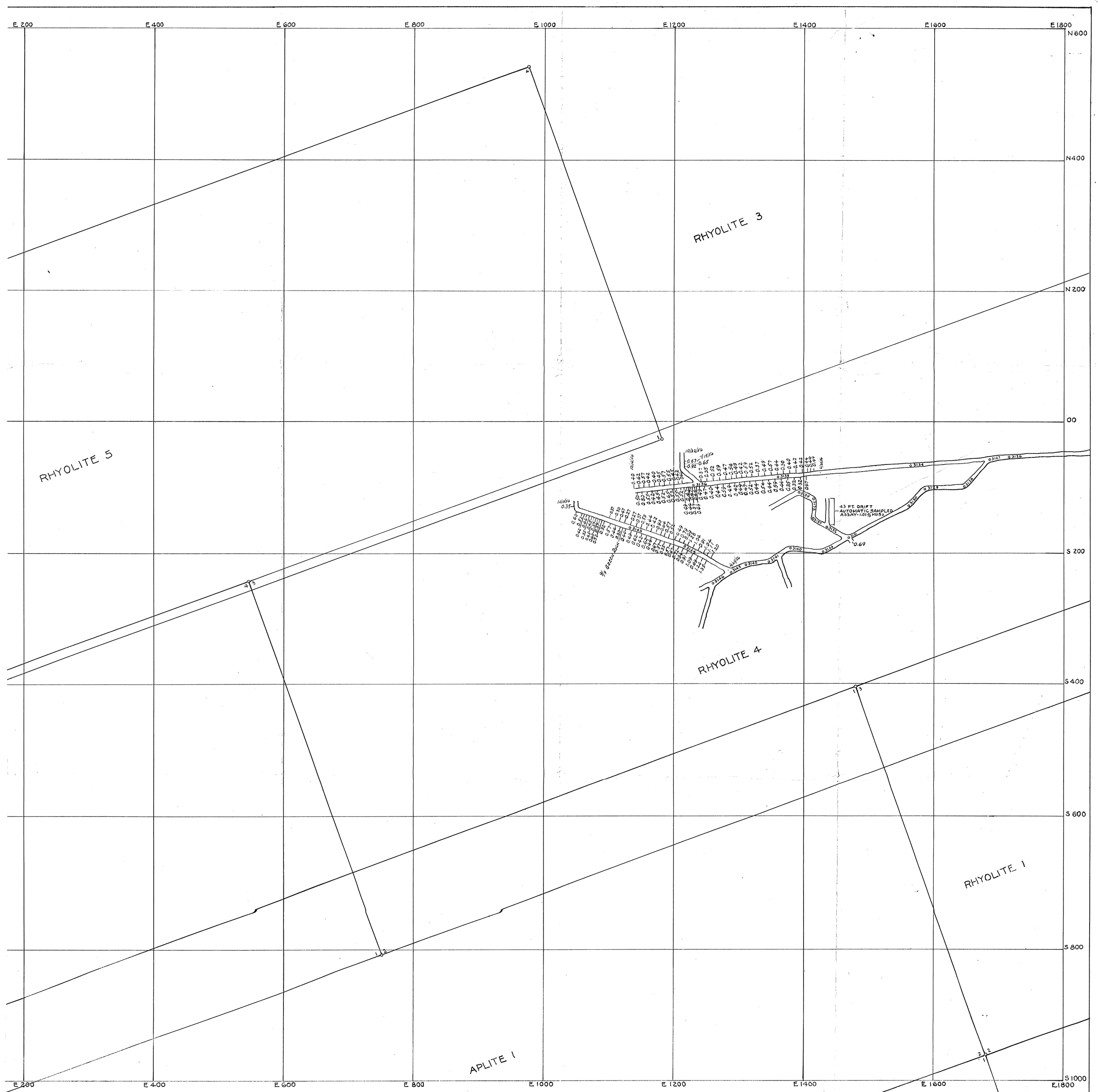
APRIL, 1954

R. H. CARPENTER.

Map #8

QUESTA MINE

MOLYBDENUM CORPORATION OF AMERICA
500 FIFTH AVENUE
NEW YORK 18, N. Y.



MOLYBDENUM CORPORATION OF AMERICA
500 FIFTH AVENUE, NEW YORK 18, N.Y.
MOLY MINE QUESTA, NEW MEXICO

SAMPLE MAP SECOND TUNNEL SHAFT LEVEL
WEST FROM COORDINATE 1800

GRAB SAMPLES FROM EACH CAR OF MUCK EXCEPT AS NOTED
ASSAYS IN % MoS2

T.R. 10/30/56

SCALE 1" = 50'

MAP #6

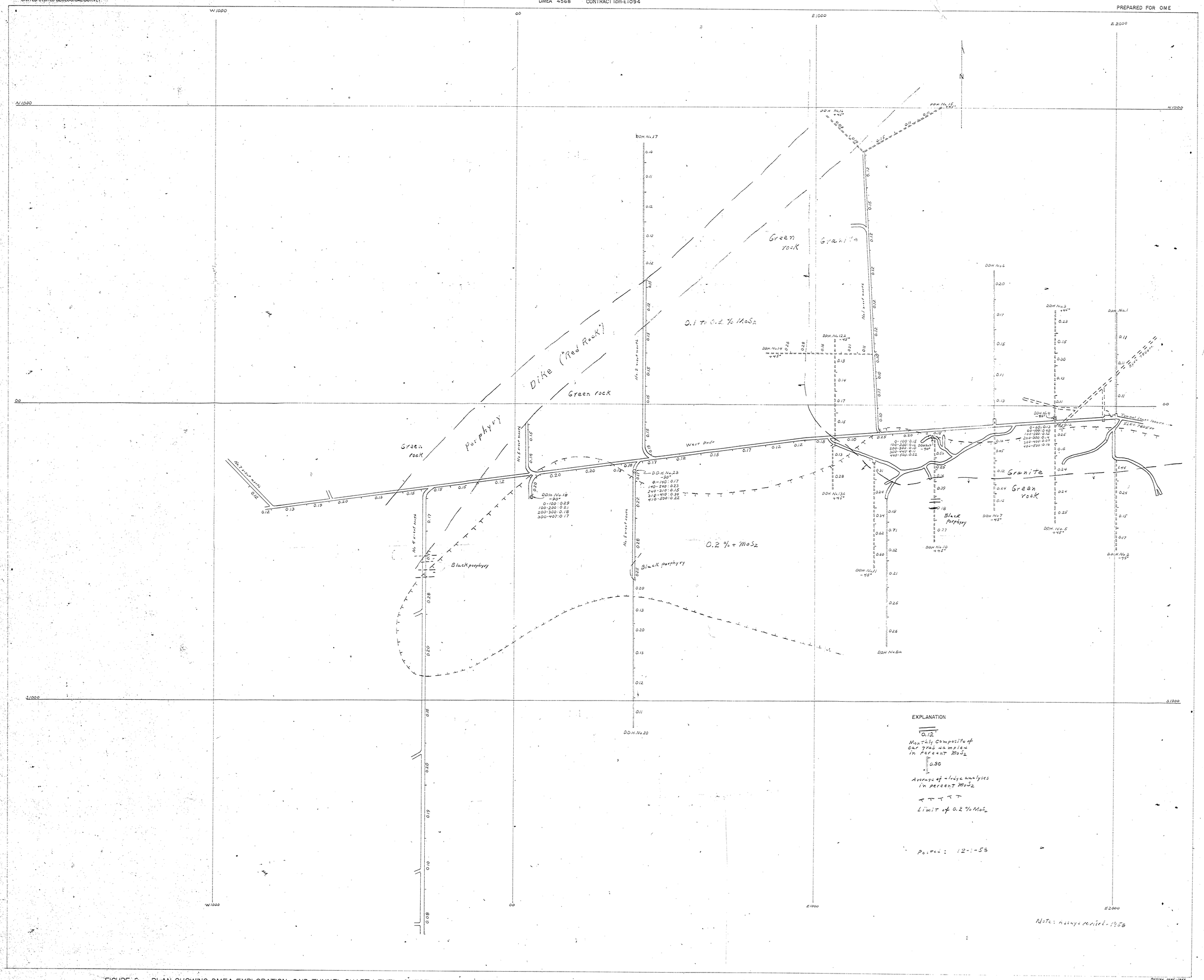
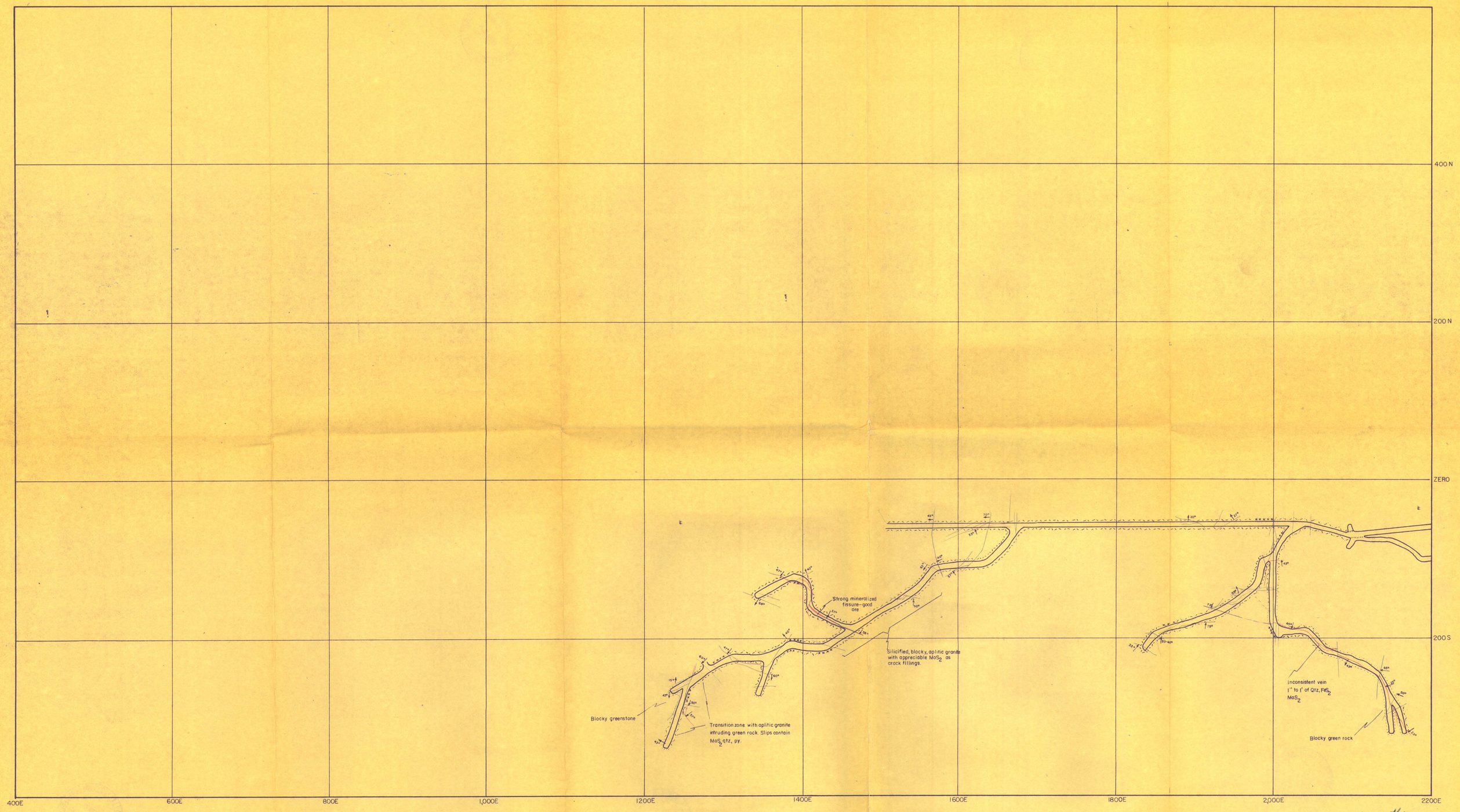


FIGURE 2.-- PLAN SHOWING DMEA EXPLORATION, 2ND TUNNEL SHAFT LEVEL, QUESTA MINE, MOLYBDENUM CORPORATION OF AMERICA, TAOS COUNTY, NEW MEXICO

100 0 100 200 300 400 500 FEET

MOLYBDENUM CORPORATION OF AMERICA



QUESTA MINE

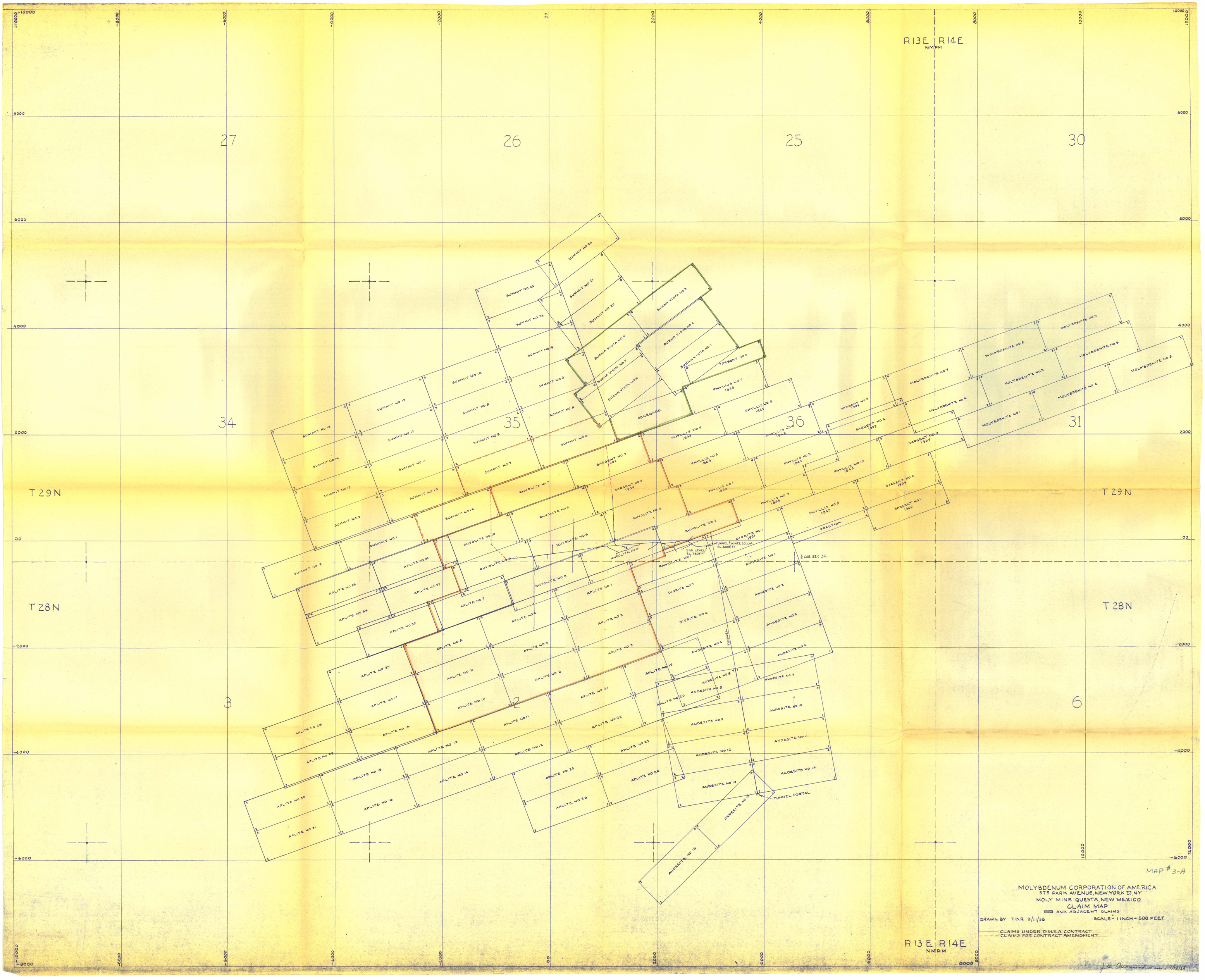
GEOLOGIC MAP OF THE 200 LEVEL

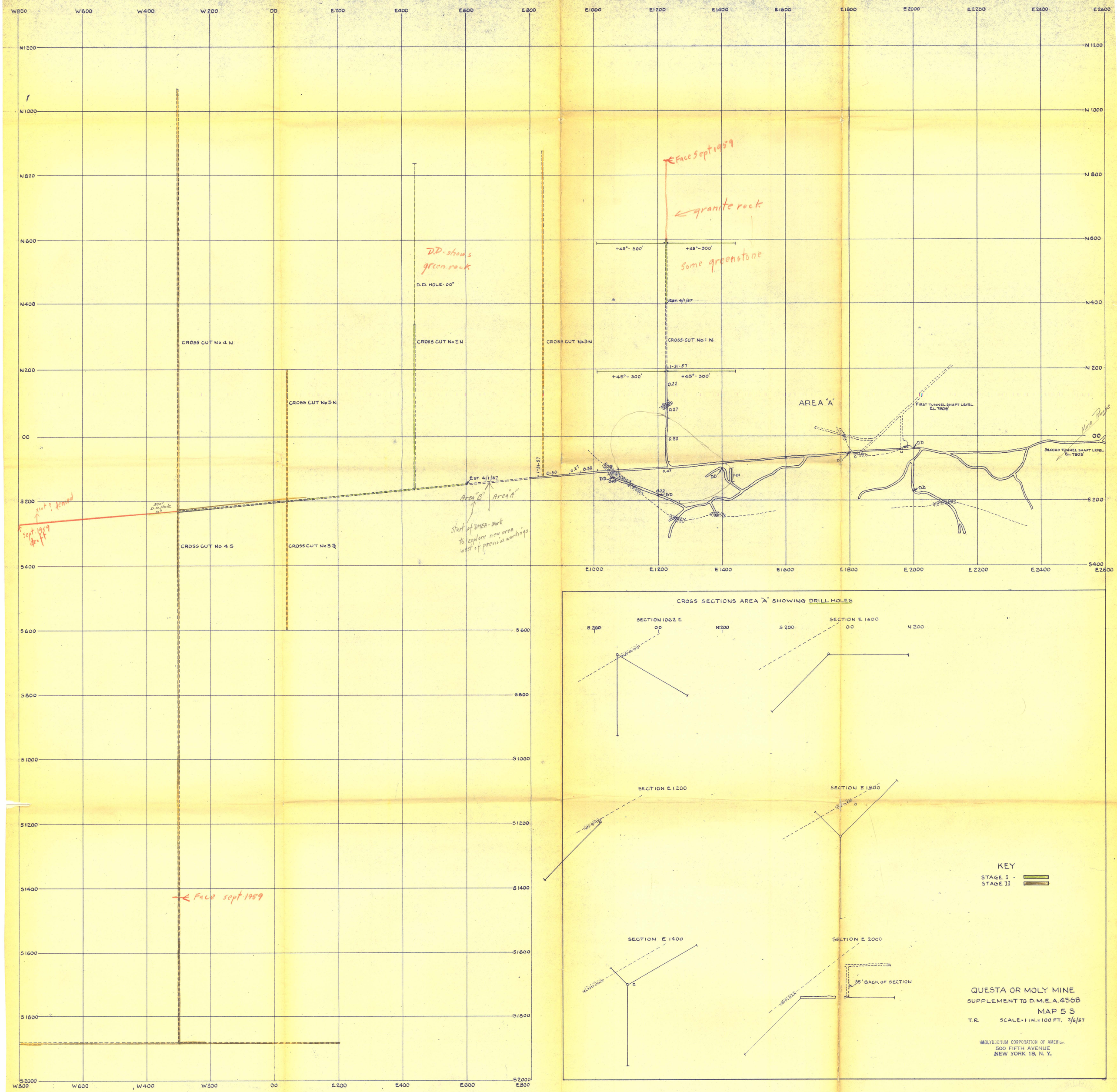
0' 50' 100'

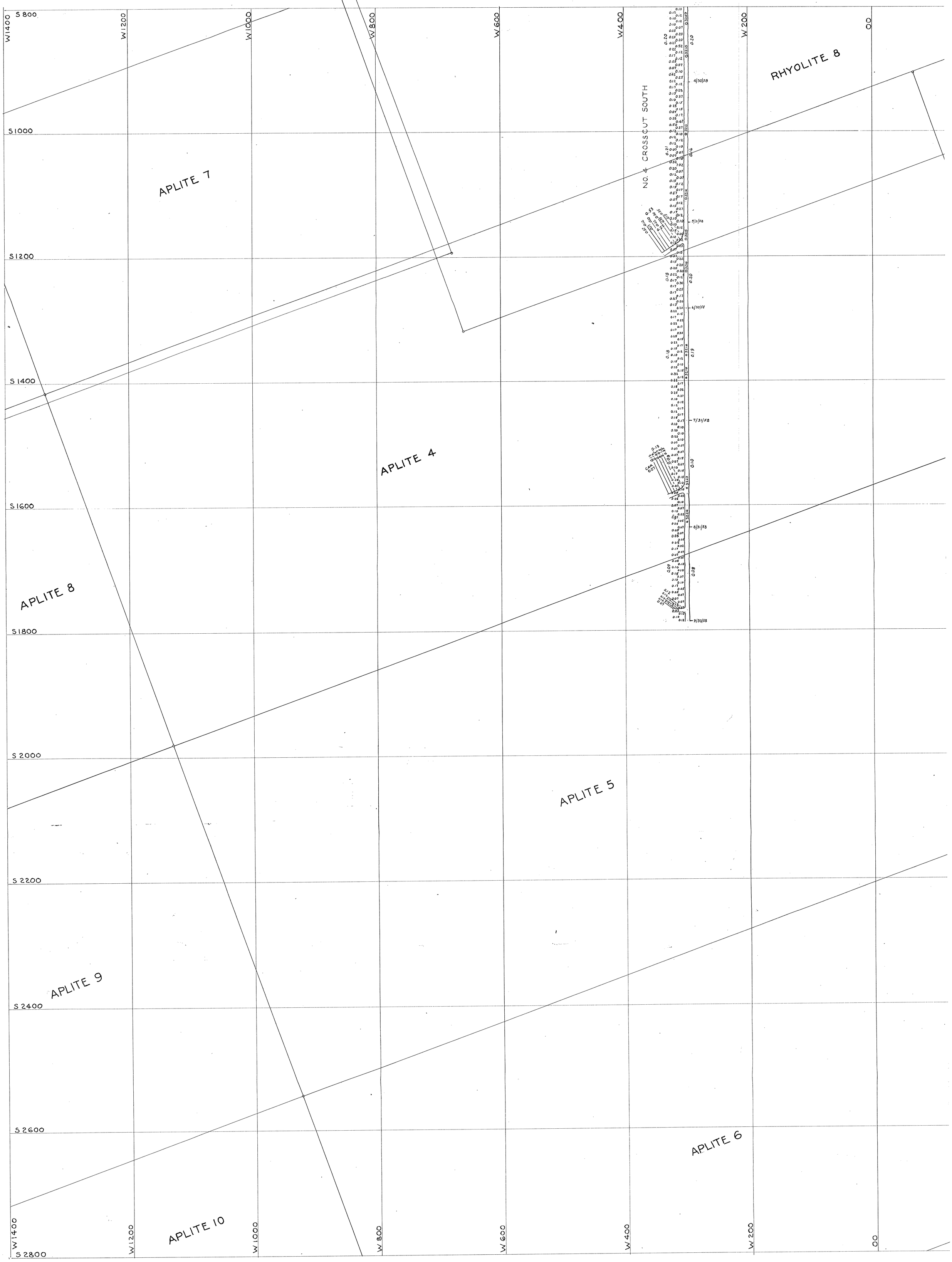
SCALE

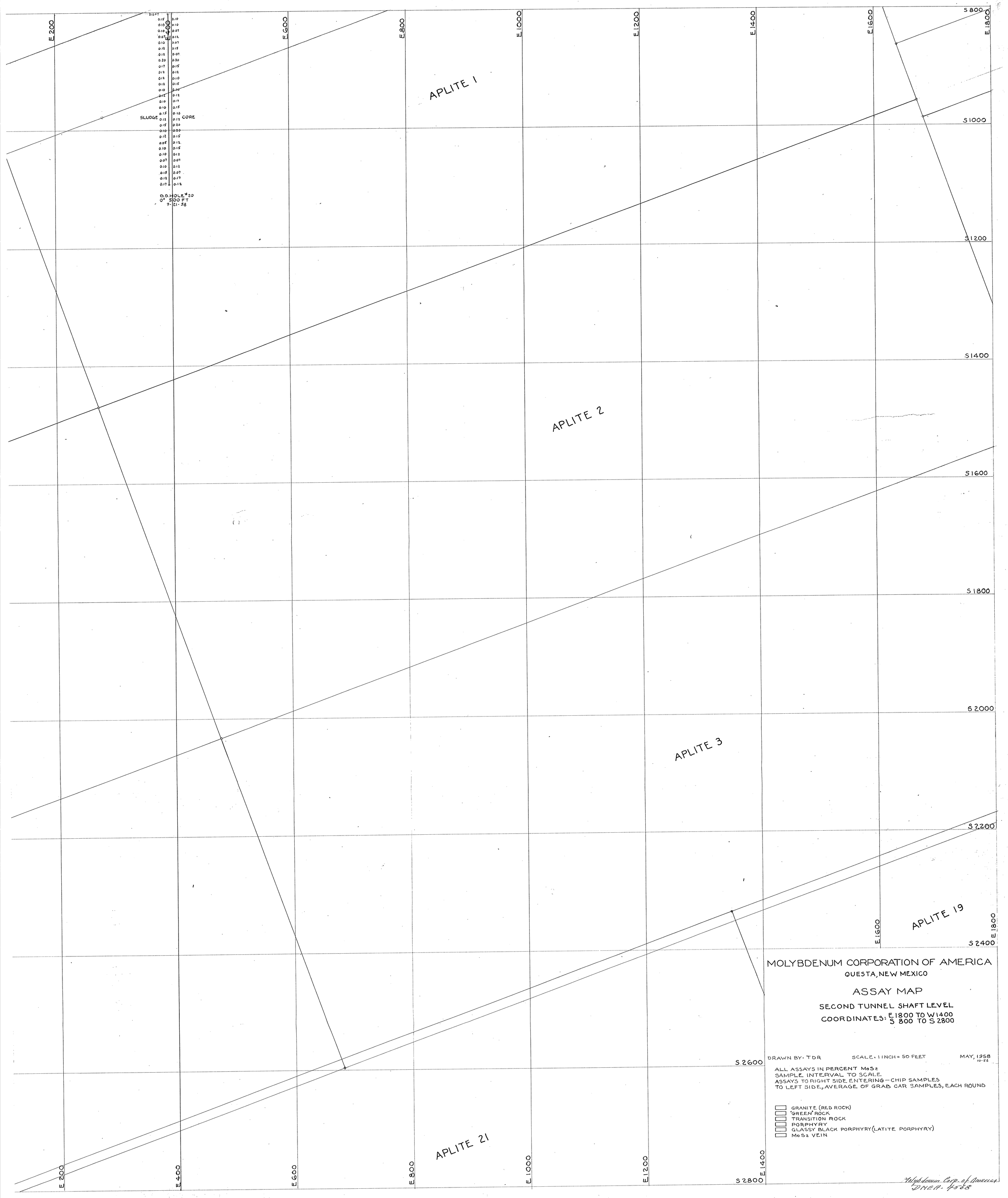
Map #7

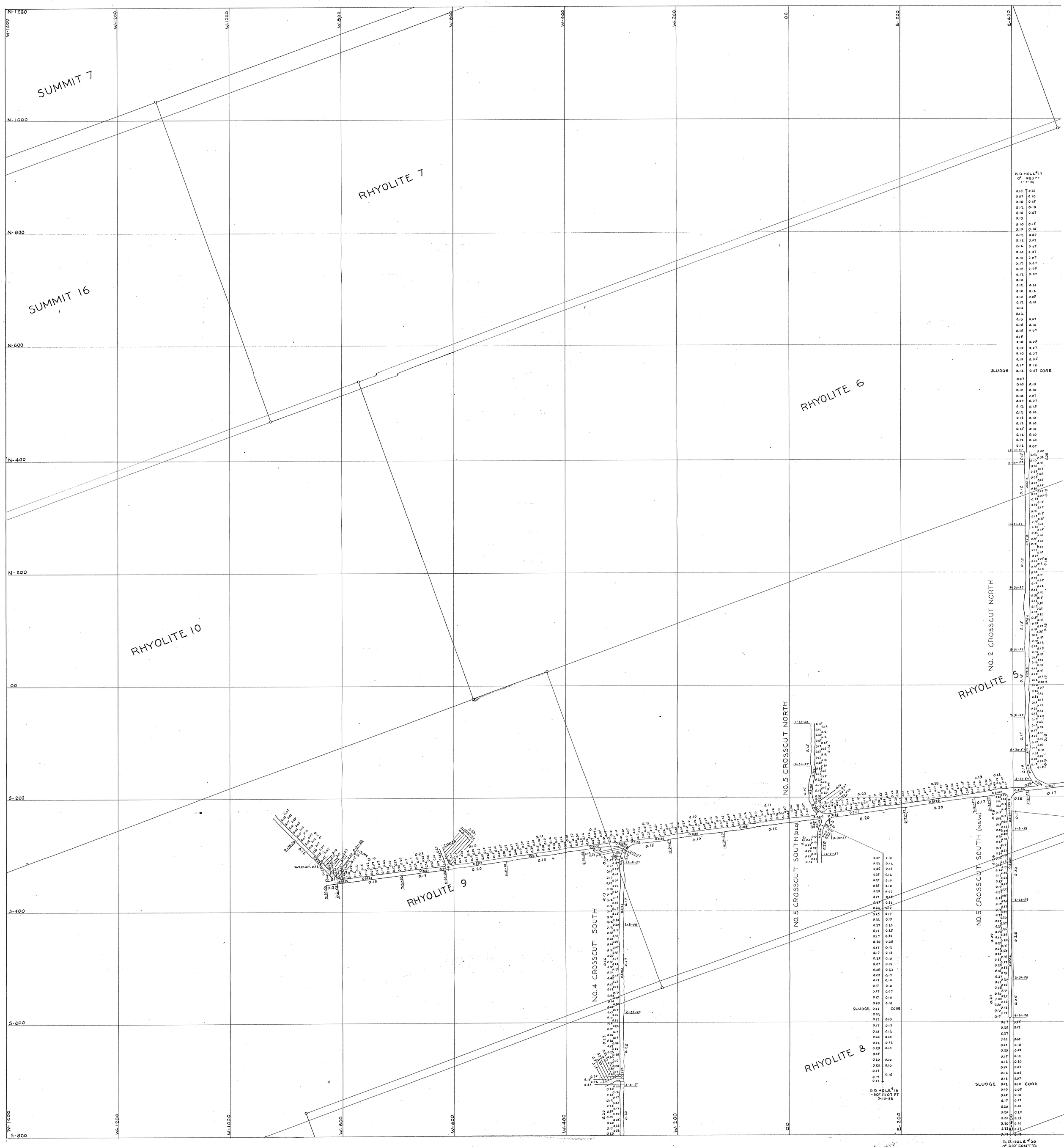
MOLYBDENUM CORPORATION OF AMERICA
500 FIFTH AVENUE
NEW YORK 18, N. Y.

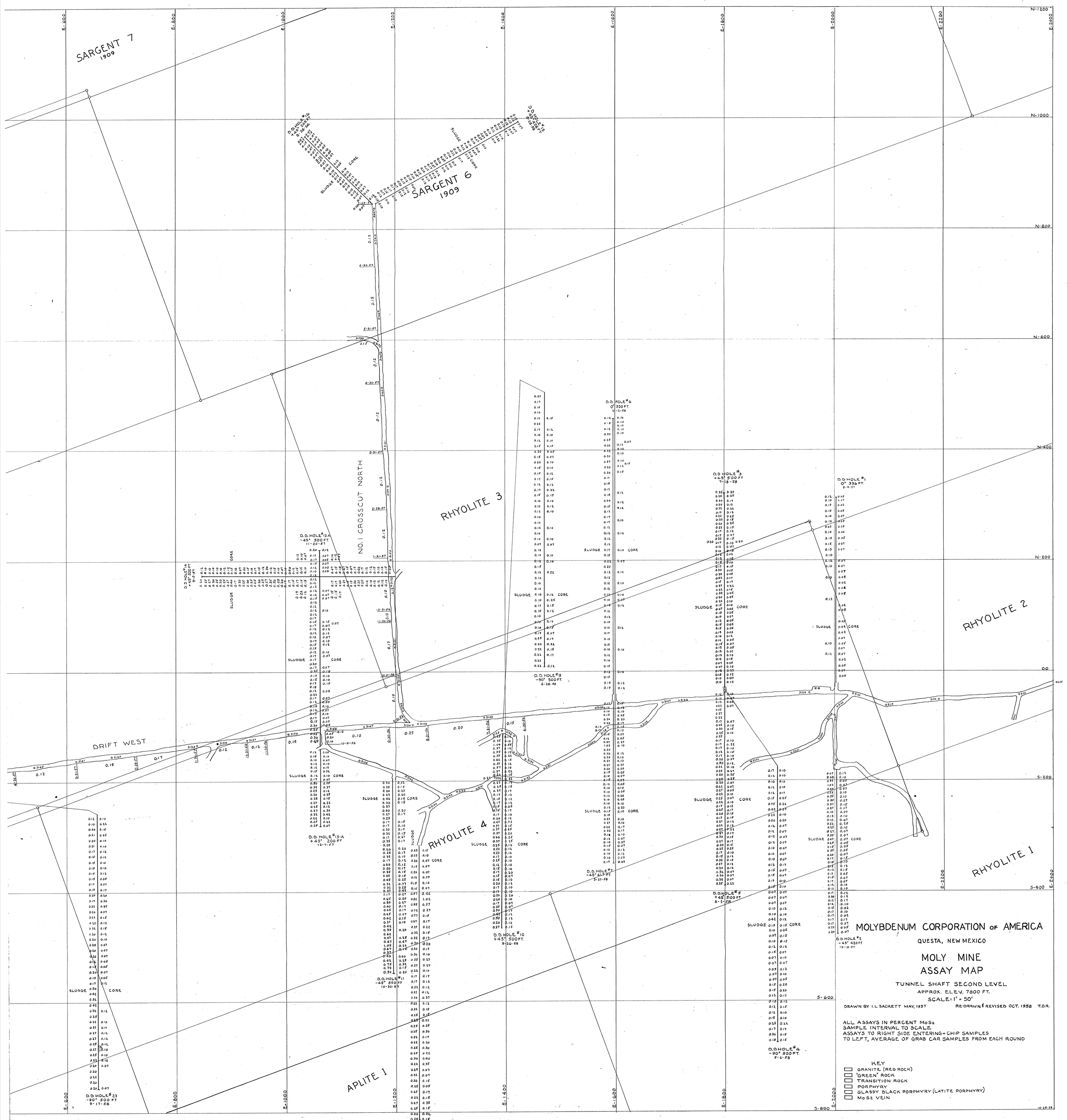

R13E R14E
NMPM
T29N
T28N
27
26
25
30
34
35
36
31
3
2
6
SUMMIT NO 24
SUMMIT NO 23
SUMMIT NO 21
SUMMIT NO 22
SUMMIT NO 20
SUMMIT NO 19
SUMMIT NO 18
SUMMIT NO 17
SUMMIT NO 9
SUMMIT NO 2
SUMMIT NO 5
SUMMIT NO 15
SUMMIT NO 14
SUMMIT NO 12
SUMMIT NO 8
SUMMIT NO 4
SUMMIT NO 13
SUMMIT NO 11
SUMMIT NO 7
SUMMIT NO 3
SUMMIT NO 10
SUMMIT NO 6
SUMMIT NO 1
SUMMIT NO 2
BUENA VISTA NO 3
BUENA VISTA NO 2
BUENA VISTA NO 4
BUENA VISTA NO 1
BUENA VISTA NO 7
BUENA VISTA NO 5
TORBERT NO 2
RENEGADE
PHYLLIS NO 7 1943
PHYLLIS NO 6 1943
PHYLLIS NO 5 1943
PHYLLIS NO 4 1943
PHYLLIS NO 3 1943
PHYLLIS NO 2 1943
PHYLLIS NO 1 1943
PHYLLIS NO 10 1943
PHYLLIS NO 9 1943
PHYLLIS NO 8 1943
SARGENT NO 5 1909
SARGENT NO 4 1909
SARGENT NO 3 1909
SARGENT NO 2 1909
SARGENT NO 1 1909
SARGENT NO 7 1909
SARGENT NO 6 1909
MOLYBDENITE NO 9
MOLYBDENITE NO 8
MOLYBDENITE NO 6
MOLYBDENITE NO 7
MOLYBDENITE NO 5
MOLYBDENITE NO 3
MOLYBDENITE NO 4
MOLYBDENITE NO 2
MOLYBDENITE NO 1
RHYOLITE NO 7
RHYOLITE NO 4
RHYOLITE NO 3
RHYOLITE NO 2
RHYOLITE NO 10
RHYOLITE NO 9
RHYOLITE NO 8
RHYOLITE NO 6
RHYOLITE NO 5
RHYOLITE NO 1
2ND LEVEL EL 7005 FT
TUNNEL & WINZE COLLAR EL 8005 FT
DIORITE NO 1 1901
FRACTION
1/4 COR SEC 36
APLITE NO 35
APLITE NO 34
APLITE NO 33
APLITE NO 36
APLITE NO 32
APLITE NO 7
APLITE NO 4
APLITE NO 1
APLITE NO 8
APLITE NO 5
APLITE NO 3
APLITE NO 2
APLITE NO 27
APLITE NO 9
APLITE NO 6
APLITE NO 19
APLITE NO 17
APLITE NO 10
APLITE NO 21
APLITE NO 20
APLITE NO 28
APLITE NO 18
APLITE NO 11
APLITE NO 22
APLITE NO 29
APLITE NO 13
APLITE NO 12
APLITE NO 23
APLITE NO 15
APLITE NO 14
APLITE NO 25
APLITE NO 24
APLITE NO 30
APLITE NO 16
APLITE NO 26
APLITE NO 31
DIORITE NO 7
DIORITE NO 6
TUNNEL
ANDESITE NO 1
ANDESITE NO 2
ANDESITE NO 3
ANDESITE NO 4
ANDESITE NO 5
ANDESITE NO 6
ANDESITE NO 7
ANDESITE NO 8
ANDESITE NO 9
ANDESITE NO 10
ANDESITE NO 11
ANDESITE NO 12
ANDESITE NO 13
ANDESITE NO 14
ANDESITE NO 15
ANDESITE NO 16
TUNNEL PORTAL
MAP # 3-A
MOLYBDENUM CORPORATION OF AMERICA
375 PARK AVENUE, NEW YORK 22, NY
MOLY MINE QUESTA, NEW MEXICO
CLAIM MAP
AND ADJACENT CLAIMS
DRAWN BY T.D.R 9/11/58
SCALE - 1 INCH = 500 FEET
CLAIMS UNDER D.M.E.A. CONTRACT
CLAIMS FOR CONTRACT AMENDMENT


W800
W600
W400
W200
00
E200
E400
E600
E800
E1000
E1200
E1400
E1600
E1800
E2000
E2200
E2400
E2600
N1200
N1000
N800
N600
N400
N200
00
S200
S400
S600
S800
S1000
S1200
S1400
S1600
S1800
S2000
Face Sept 1959
granite rock
D.D. shows green rock
D.D. HOLE - 00°
+45° - 300'
+45° - 300'
Some greenstone
EST. 4/1/57
CROSS CUT No 4 N
CROSS CUT No 2 N
CROSS CUT No 3 N
CROSS-CUT No. 1 N.
1-31-57
+45° - 300'
+45° - 300'
CROSS CUT No 5 N
AREA "A"
FIRST TUNNEL SHAFT LEVEL
EL 7906'
Mine Portal
SECOND TUNNEL SHAFT LEVEL
EL. 7805'
1-31-57
EST. 4/1/57
Area "B"
Area "A"
Start of DMEA - Work to explore new area west of previous workings
500' D.D. Hole 00°
xlot ? denied
Sept 1959 drift
CROSS CUT No 4 S
CROSS CUT No 5 S
Face sept 1959
CROSS SECTIONS AREA "A" SHOWING DRILL HOLES
SECTION 1062 E
SECTION E 1600
SECTION E 1200
SECTION E 1800
SECTION E 1400
SECTION E 2000
35' BACK OF SECTION
KEY
STAGE I -
STAGE II
QUESTA OR MOLY MINE
SUPPLEMENT TO D.M.E.A. 4568
MAP 5 S
T.R.
SCALE = 1 IN. = 100 FT. 2/6/57
MOLYBDENUM CORPORATION OF AMERICA
500 FIFTH AVENUE
NEW YORK 18, N. Y.


S 800
S 1000
S 1200
S 1400
S 1600
S 1800
S 2000
S 2200
S 2400
S 2600
S 2800
W 1400
W 1200
W 1000
W 800
W 600
W 400
W 200
00
APLITE 7
APLITE 4
APLITE 8
APLITE 5
APLITE 9
APLITE 10
APLITE 6
RHYOLITE 8
NO. 4 CROSSCUT SOUTH
4/30/58
5/31/58
6/30/58
7/31/58
8/31/58
9/30/58


E 200
E 400
E 600
E 800
E 1000
E 1200
E 1400
E 1600
E 1800
S 800
S 1000
S 1200
S 1400
S 1600
S 1800
S 2000
S 2200
S 2400
S 2600
S 2800
APLITE 1
APLITE 2
APLITE 3
APLITE 19
APLITE 21
210 FT
SLUDGE
CORE
D.D. HOLE #20
0° S 00 FT
9-21-58
MOLYBDENUM CORPORATION OF AMERICA
QUESTA, NEW MEXICO
ASSAY MAP
SECOND TUNNEL SHAFT LEVEL
COORDINATES: E 1800 TO W 1400
S 800 TO S 2800
DRAWN BY: TDR
SCALE: 1 INCH = 50 FEET
MAY, 1958
10-58
ALL ASSAYS IN PERCENT MoS2
SAMPLE INTERVAL TO SCALE.
ASSAYS TO RIGHT SIDE ENTERING—CHIP SAMPLES
TO LEFT SIDE, AVERAGE OF GRAB CAR SAMPLES, EACH ROUND
GRANITE (RED ROCK)
'GREEN' ROCK
TRANSITION ROCK
PORPHYRY
GLASSY BLACK PORPHYRY (LATITE PORPHYRY)
MoS2 VEIN
Molybdenum Corp. of America
DMER-4-5-68


SUMMIT 7
SUMMIT 16
RHYOLITE 7
RHYOLITE 6
RHYOLITE 10
RHYOLITE 9
RHYOLITE 8
RHYOLITE 5
NO. 2 CROSSCUT NORTH
NO. 4 CROSSCUT SOUTH
NO. 5 CROSSCUT NORTH
NO. 5 CROSSCUT SOUTH (OLD)
NO. 5 CROSSCUT SOUTH (NEW)
D.D. HOLE #17
0° 463 FT
1-7-58
D.D. HOLE #18
-90° 1407 FT
3-10-58
D.D. HOLE #20
0° 310' CONT'D
SLUDGE
CORE
N-1200
N-1000
N-800
N-600
N-400
N-200
00
S-200
S-400
S-600
S-800
W-1400
W-1200
W-1000
W-800
W-600
W-400
W-200
00
E-200
E-400



MOLYBDENUM CORPORATION OF AMERICA

QUESTA, NEW MEXICO

MOLY MINE
ASSAY MAP

TUNNEL SHAFT SECOND LEVEL

APPROX. ELEV. 7800 FT.

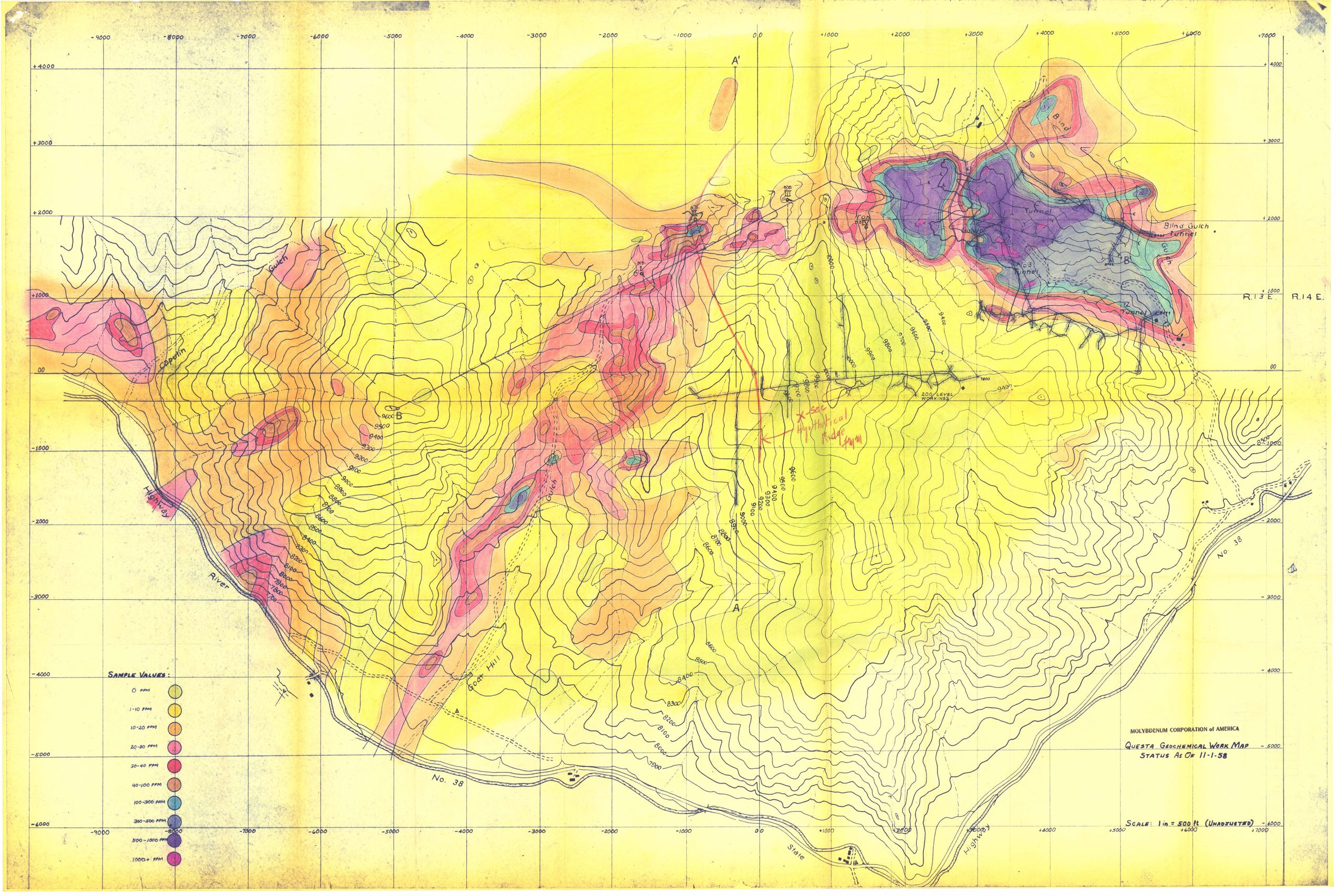
SCALE: 1" = 50'

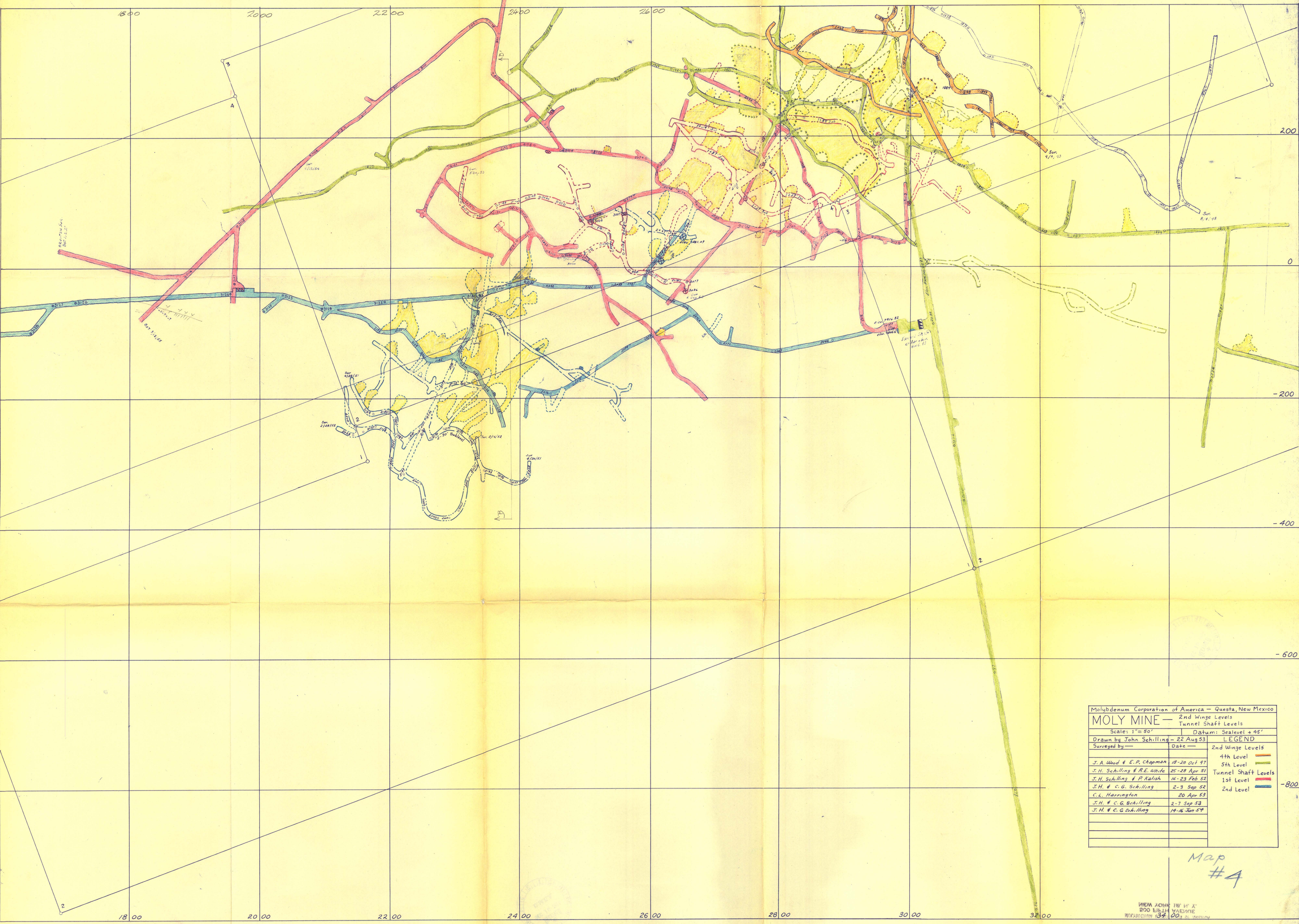
DRAWN BY I.L. SACKETT MAY, 1957 RE-DRAWN & REVISED OCT. 1958 T.D.R.

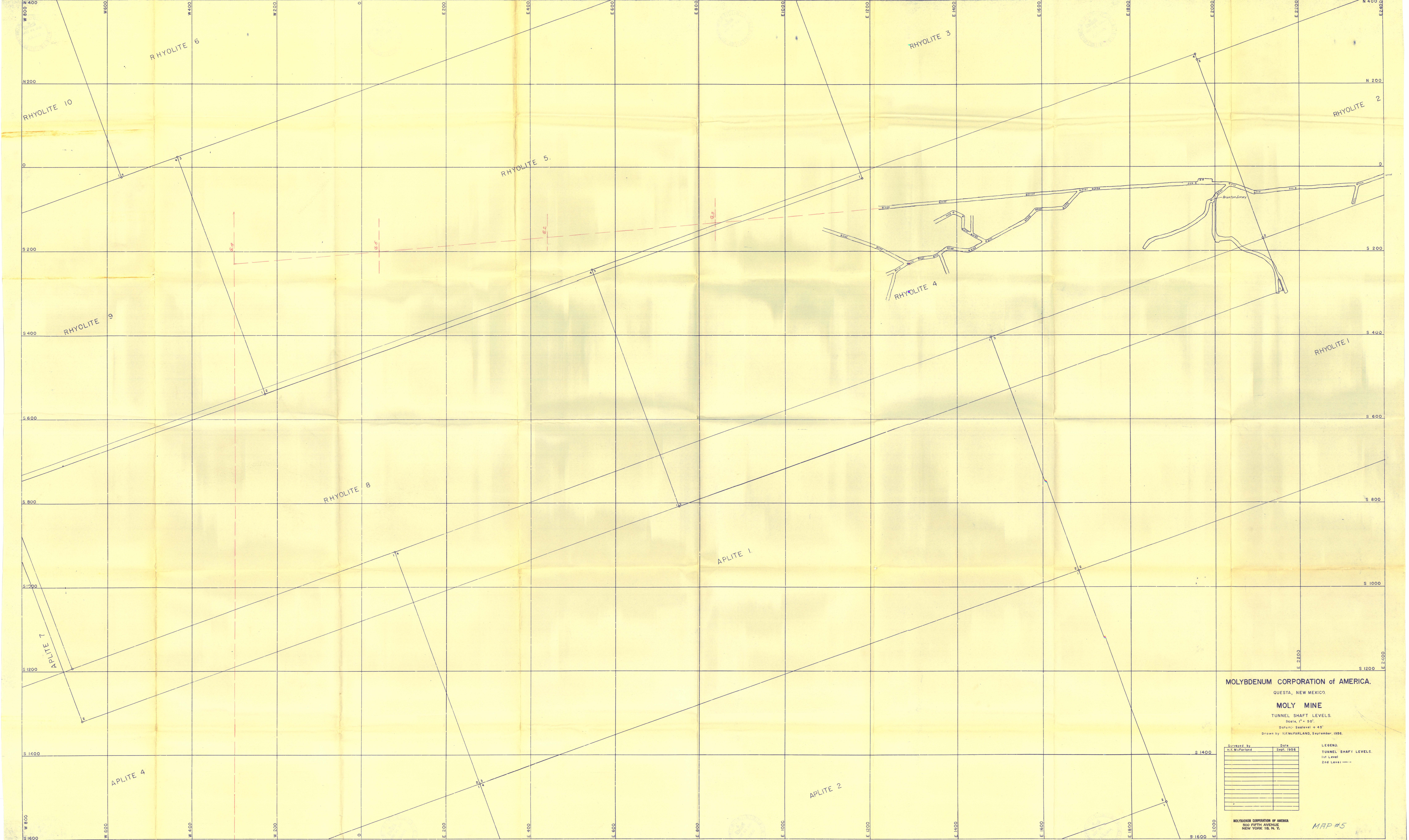
ALL ASSAYS IN PERCENT MoS_2
SAMPLE INTERVAL TO SCALE
ASSAYS TO RIGHT SIDE ENTERING = CHIP SAMPLES
TO LEFT, AVERAGE OF GRAB CAR SAMPLES FROM EACH ROUND

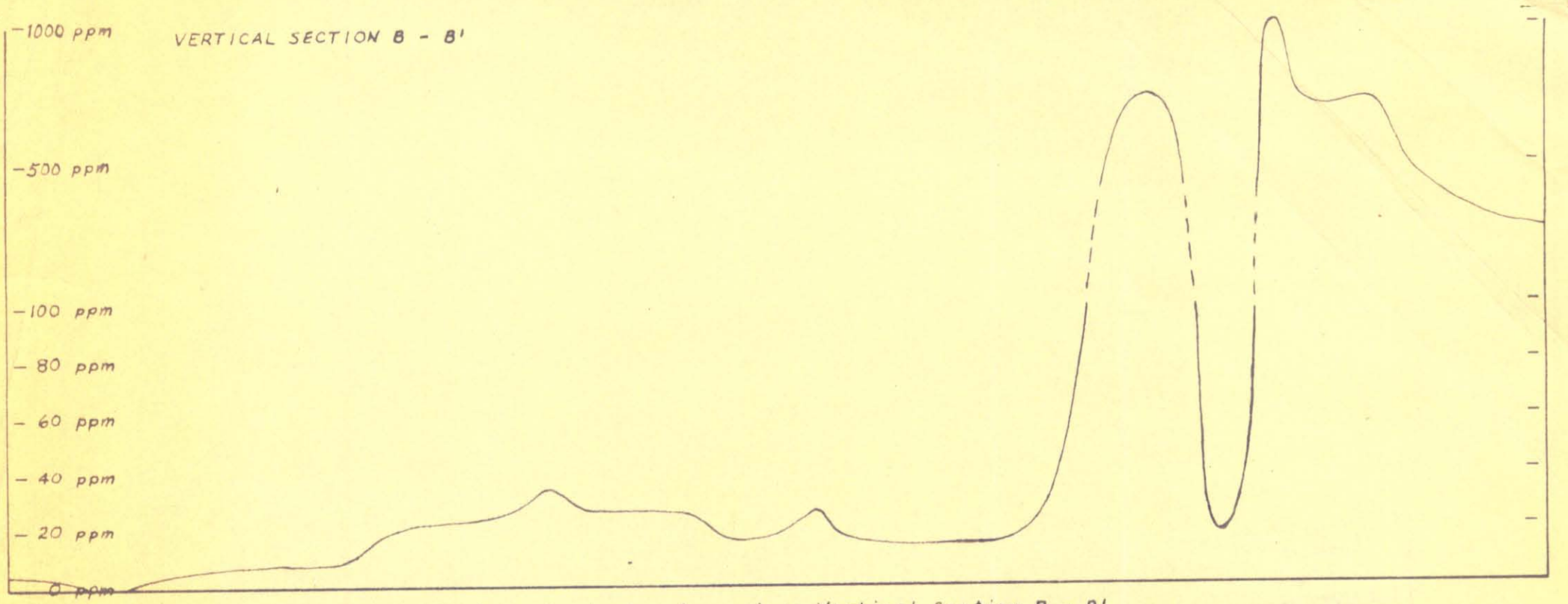
KEY
- GRANITE (RED ROCK)
- "GREEN" ROCK
- TRANSITION ROCK
- PORPHYRY
- GLASSY BLACK PORPHYRY (LATITE PORPHYRY)
- MoS_2 VEIN

10-28-58

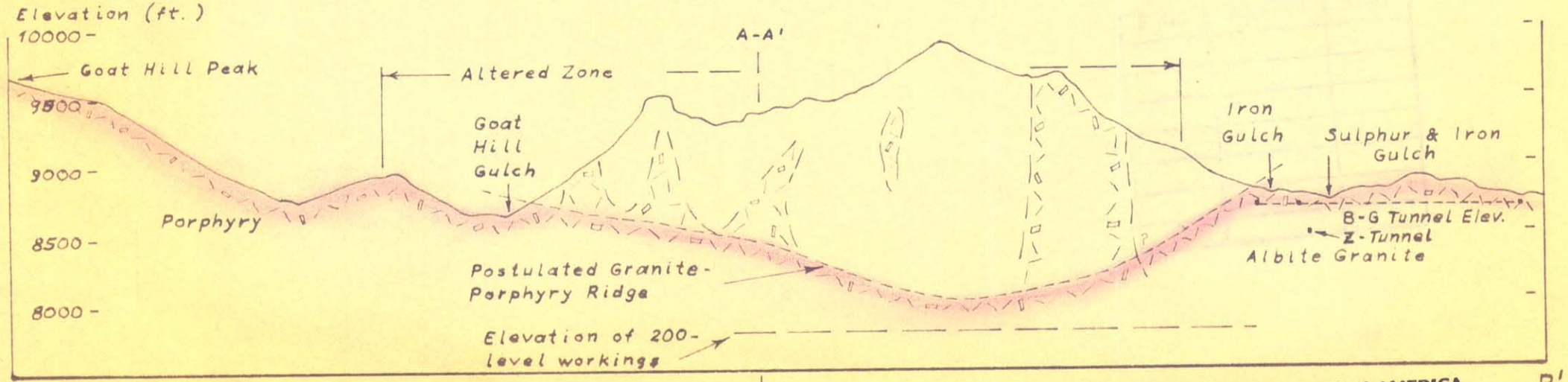

MOLYBDENUM CORPORATION of AMERICA
QUESTA GEOCHEMICAL WORK MAP
STATUS AS OF 11-1-58
SCALE: 1 in = 500 ft (UNADJUSTED)
SAMPLE VALUES:
0 PPM
1-10 PPM
10-20 PPM
20-30 PPM
30-40 PPM
40-100 PPM
100-300 PPM
300-500 PPM
500-1000 PPM
1000+ PPM
R.13 E.
R.14 E.
A'
A
B
B'
Blind Gulch
Blind Tunnel
Tunnel
No 3 Tunnel
Tunnel Cut
200 LEVEL WORKINGS
Zeppelin
Gulch
Goat Hill
Gulch
Highway
River
No. 38
State
Highway
No. 38
X-see Hypothetical Ridge


1800
2000
2200
2400
2600
200
0
-200
-400
-600
-800
18 00
20 00
22 00
24 00
26 00
28 00
30 00
32 00
Sur. 9/19/53
Sur. 8/4/48
Sur. 4/15/54
Sur. 4/28/51
Sump
Molybdenum Corporation of America — Questa, New Mexico
MOLY MINE — 2nd Winze Levels
Tunnel Shaft Levels
Scale: 1" = 50'
Datum: Sealevel + 45'
Drawn by John Schilling — 22 Aug 53
Surveyed by —
Date —
J. A. Wood & E. P. Chapman 18-20 Oct 47
J. H. Schilling & R. E. White 25-28 Apr 51
J. H. Schilling & P. Kalish 16-23 Feb 52
J. H. & C. G. Schilling 2-3 Sep 52
C. L. Harrington 20 Apr 53
J. H. & C. G. Schilling 2-7 Sep 53
J. H. & C. G. Schilling 14-16 Jun 54
LEGEND
2nd Winze Levels
4th Level
5th Level
Tunnel Shaft Levels
1st Level
2nd Level
Map #4


RHYOLITE 6
RHYOLITE 3
RHYOLITE 10
RHYOLITE 2
RHYOLITE 5.
RHYOLITE 4
RHYOLITE 9
RHYOLITE 1
RHYOLITE 8
APLITE 1.
APLITE 7
APLITE 4
APLITE 2
Brunton Survey
MOLYBDENUM CORPORATION of AMERICA.
QUESTA, NEW MEXICO.
MOLY MINE
TUNNEL SHAFT LEVELS.
Scale, 1" = 50'.
Datum: Sea level = 45'
Drawn by H.R.McFARLAND, September, 1956.
Surveyed by H.E.McFarland
Date Sept. 1956
LEGEND.
TUNNEL SHAFT LEVELS.
1st Level
2nd Level
MOLYBDENUM CORPORATION OF AMERICA
500 FIFTH AVENUE
NEW YORK 18, N. Y.
MAP #5



Plot of geochemical values along Vertical Section B - B'



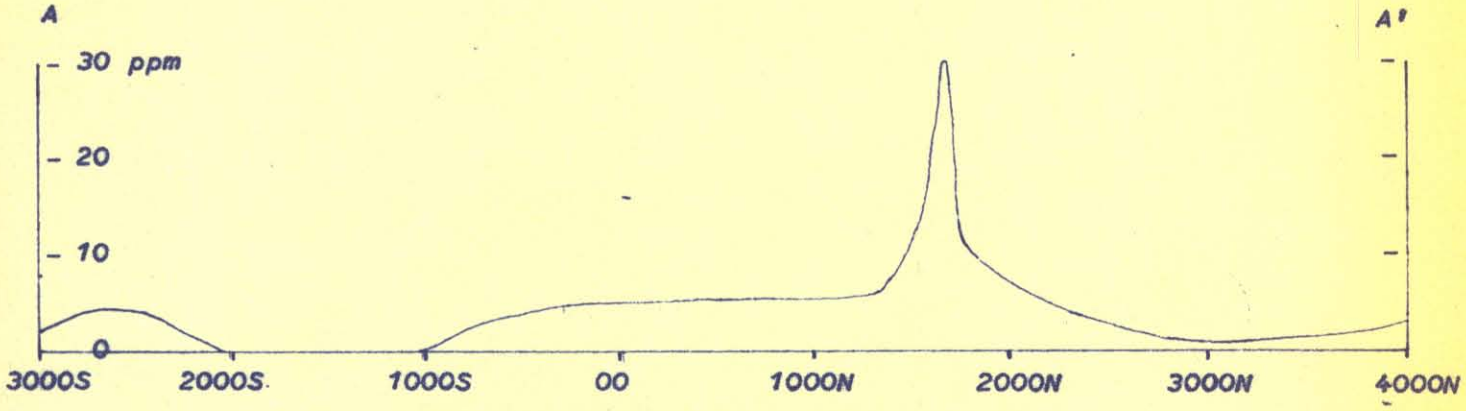
Scale: 1 in. = 1000 ft.
Horizontal = Vertical Scale.

MOLYBDENUM CORPORATION of AMERICA

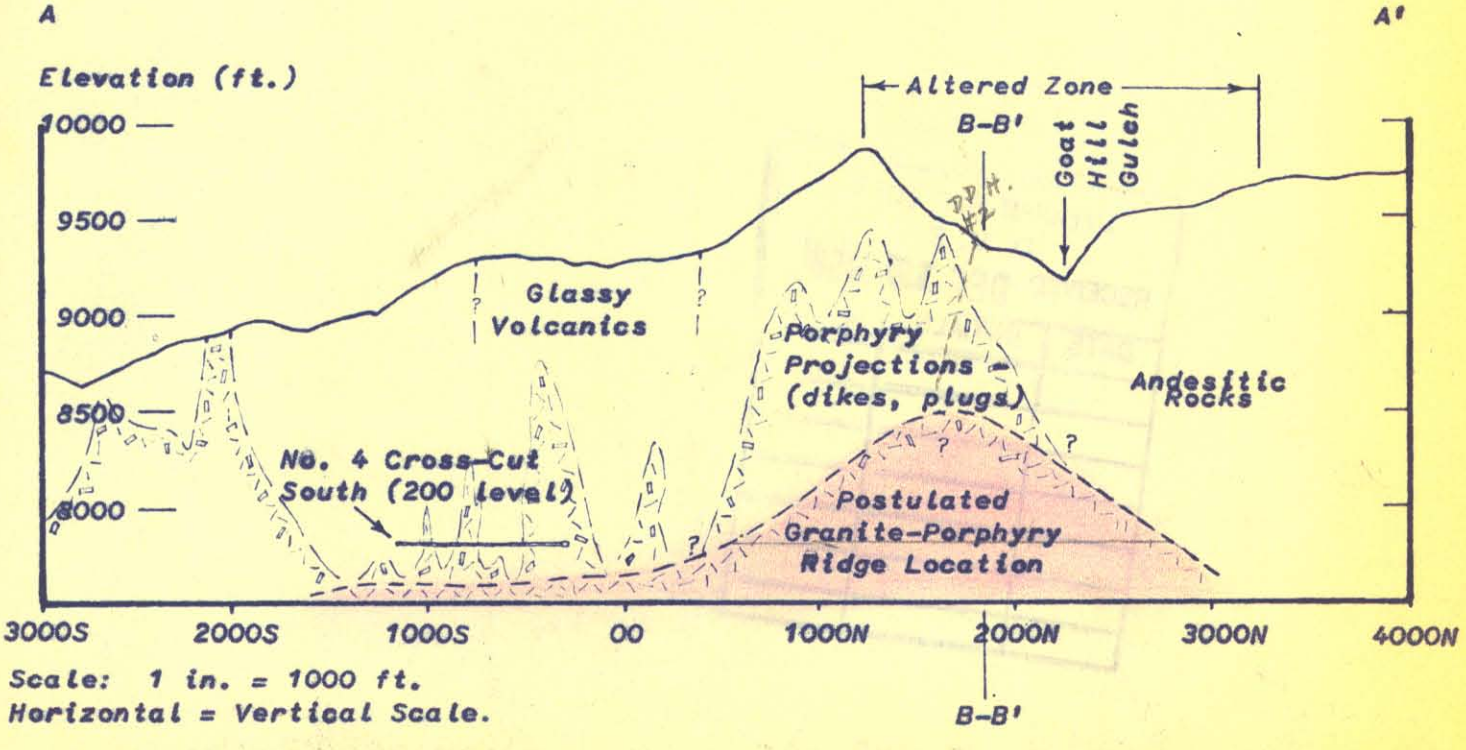
DMEA-4568

VERTICAL SECTION A - A'

This section runs north-south along the 300 W coordinate, extending from 3000 S to 4000 N.



Plot of geochemical values along Vertical Section A - A'.

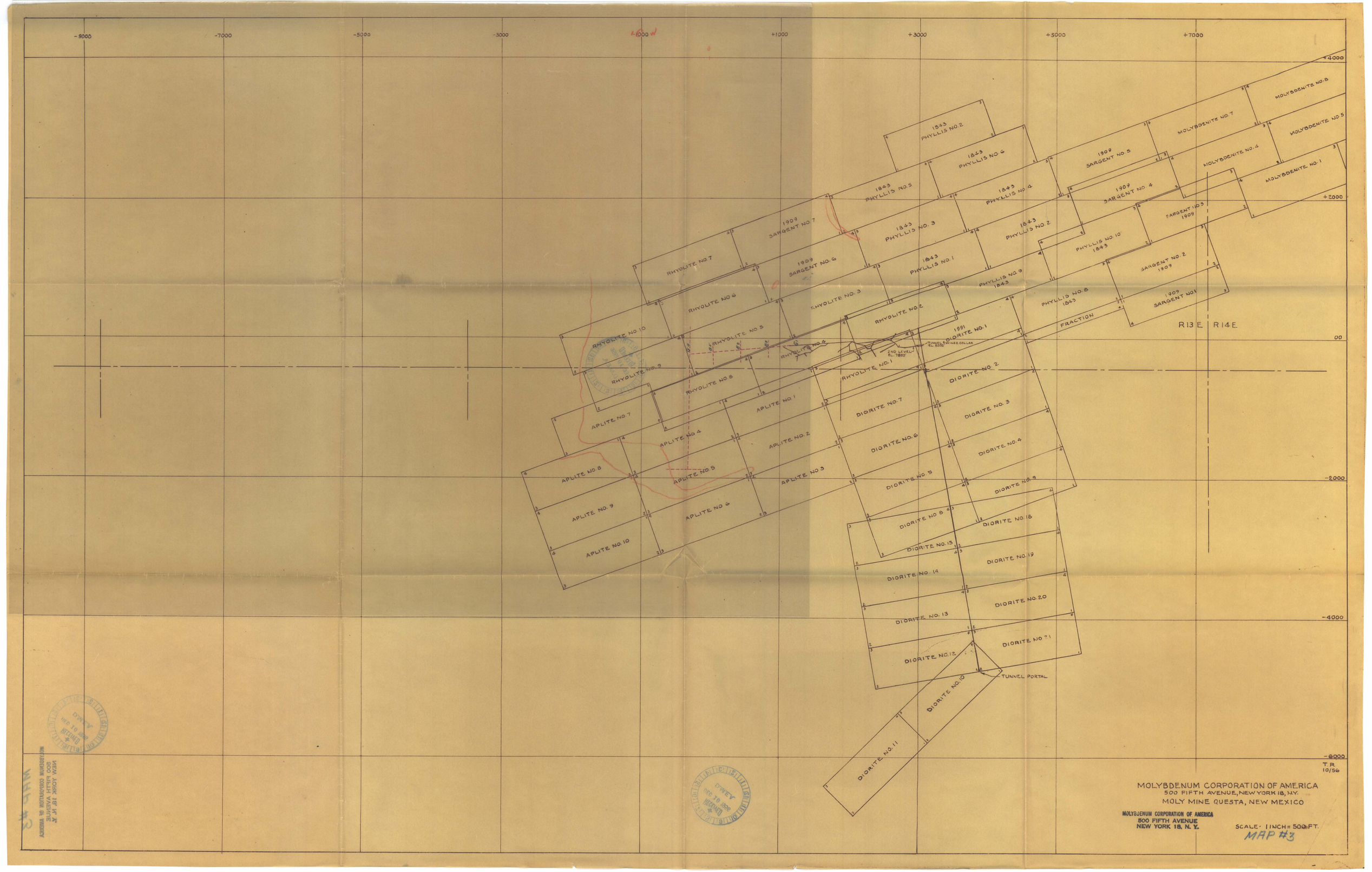


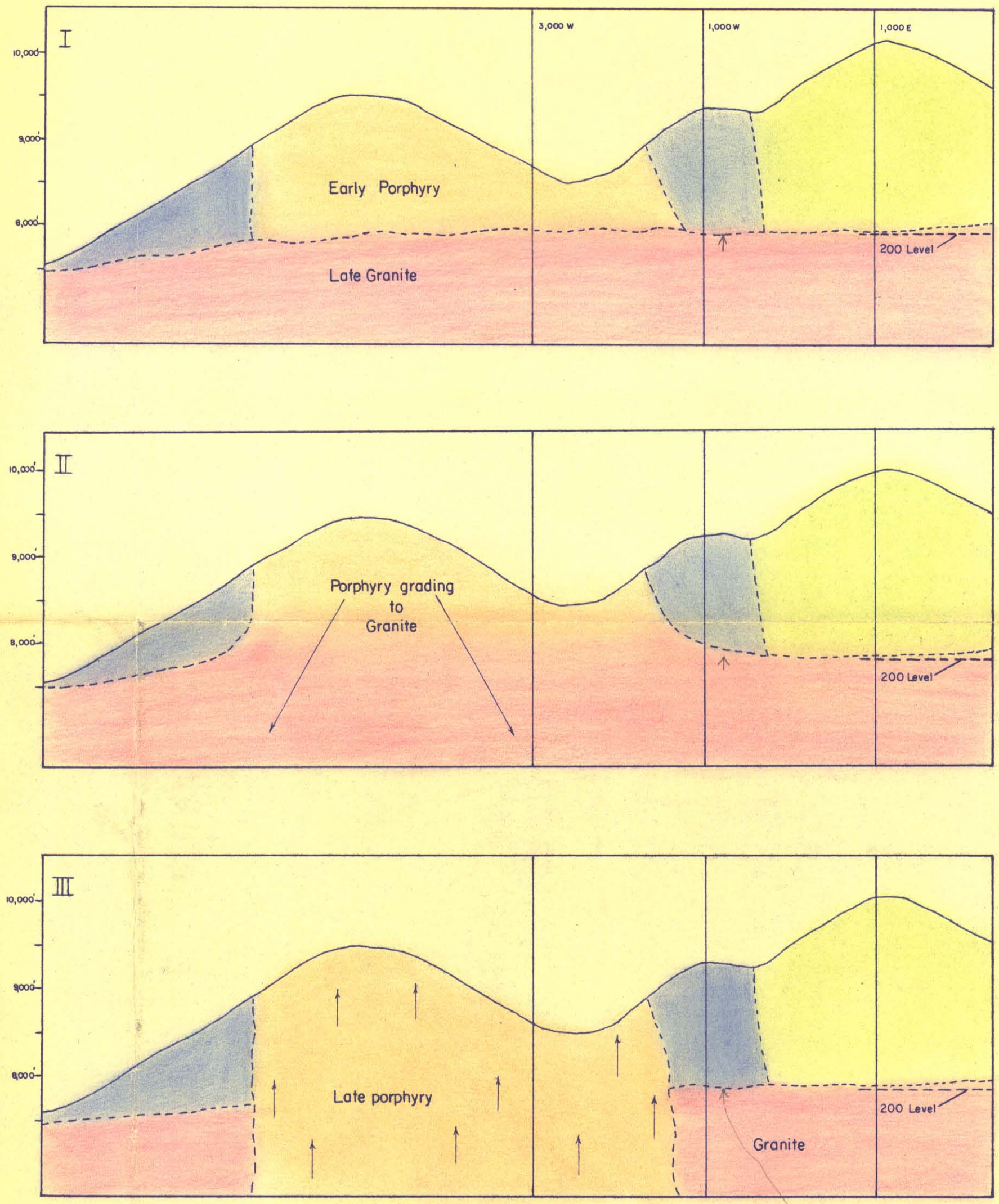
Scale: 1 in. = 1000 ft.
Horizontal = Vertical Scale.

Plot of surface elevation and geology, and 200-level workings intersected by Vertical Section A - A'. Subsurface geology is generalized and hypothetical except where intersected by the 200-level workings.

MOLYBDENUM CORPORATION of AMERICA

DMEA-456-8


-9000
-7000
-5000
-3000
-1000
+1000
+3000
+5000
+7000
+4000
+2000
00
-2000
-4000
-6000
R13E R14E
FRACTION
1843 PHYLLIS NO. 2
1843 PHYLLIS NO. 6
1843 PHYLLIS NO. 5
1843 PHYLLIS NO. 4
1843 PHYLLIS NO. 3
1843 PHYLLIS NO. 2
1843 PHYLLIS NO. 1
1909 SARGENT NO. 7
1909 SARGENT NO. 6
1909 SARGENT NO. 5
1909 SARGENT NO. 4
1909 SARGENT NO. 3
1909 SARGENT NO. 2
1909 SARGENT NO. 1
PHYLLIS NO. 10 1843
PHYLLIS NO. 9 1843
PHYLLIS NO. 8 1843
MOLYBDENITE NO. 8
MOLYBDENITE NO. 7
MOLYBDENITE NO. 5
MOLYBDENITE NO. 4
MOLYBDENITE NO. 1
RHYOLITE NO. 7
RHYOLITE NO. 6
RHYOLITE NO. 5
RHYOLITE NO. 4
RHYOLITE NO. 3
RHYOLITE NO. 2
RHYOLITE NO. 1
RHYOLITE NO. 10
RHYOLITE NO. 9
RHYOLITE NO. 8
1931 DIORITE NO. 1
TUNNEL ENTRANCE COLLAR EL. 8000
2ND LEVEL EL. 7860
APLITE NO. 7
APLITE NO. 4
APLITE NO. 1
APLITE NO. 2
APLITE NO. 3
APLITE NO. 8
APLITE NO. 5
APLITE NO. 9
APLITE NO. 6
APLITE NO. 10
DIORITE NO. 7
DIORITE NO. 2
DIORITE NO. 6
DIORITE NO. 3
DIORITE NO. 5
DIORITE NO. 4
DIORITE NO. 9
DIORITE NO. 8
DIORITE NO. 18
DIORITE NO. 15
DIORITE NO. 19
DIORITE NO. 14
DIORITE NO. 20
DIORITE NO. 13
DIORITE NO. 21
DIORITE NO. 12
TUNNEL PORTAL
DIORITE NO. 10
DIORITE NO. 11
T.R. 10/56
MOLYBDENUM CORPORATION OF AMERICA
500 FIFTH AVENUE, NEW YORK 18, N.Y.
MOLY MINE QUESTA, NEW MEXICO
MOLYBDENUM CORPORATION OF AMERICA
500 FIFTH AVENUE
NEW YORK 18, N. Y.
SCALE: 1 INCH = 500 FT.
MAP #3



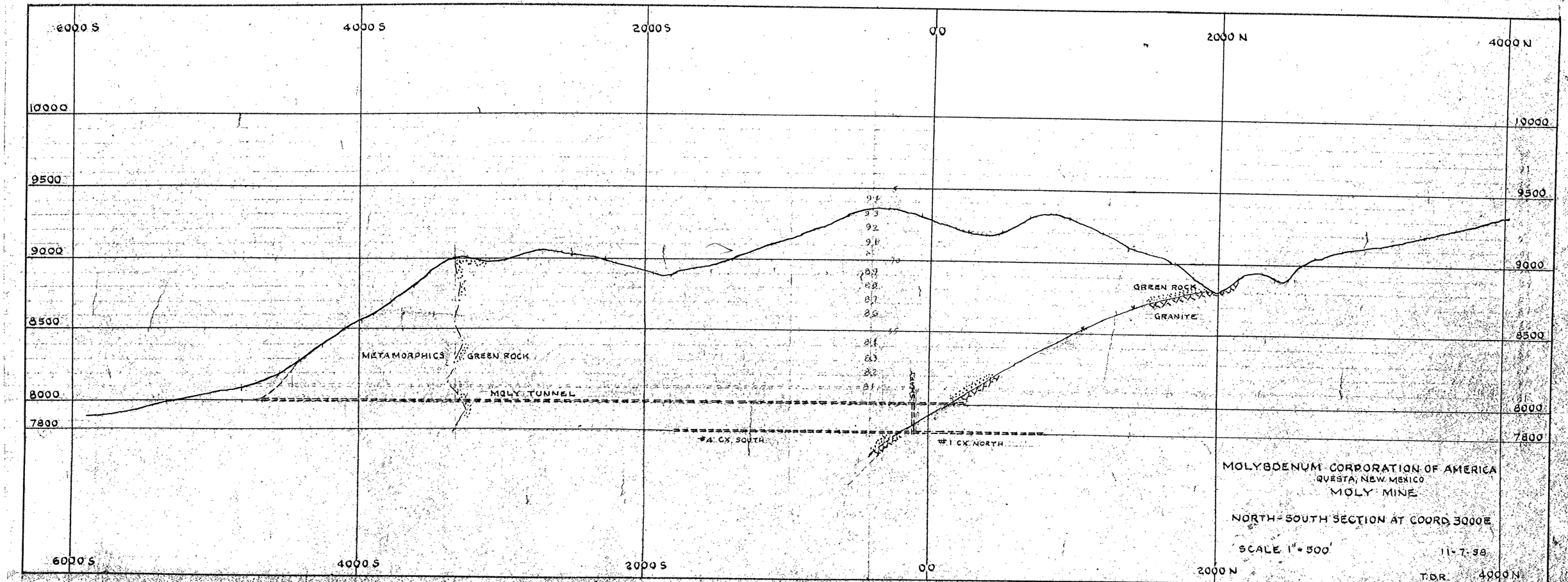
REDUCED SEGMENT OF CROSS SECTION C-D SHOWING
SUGGESTED GRANITE-PORPHYRY RELATIONSHIPS

0' 500' 1,000' 1,500'
SCALE

↑ end of W drift under amendment No. 2.

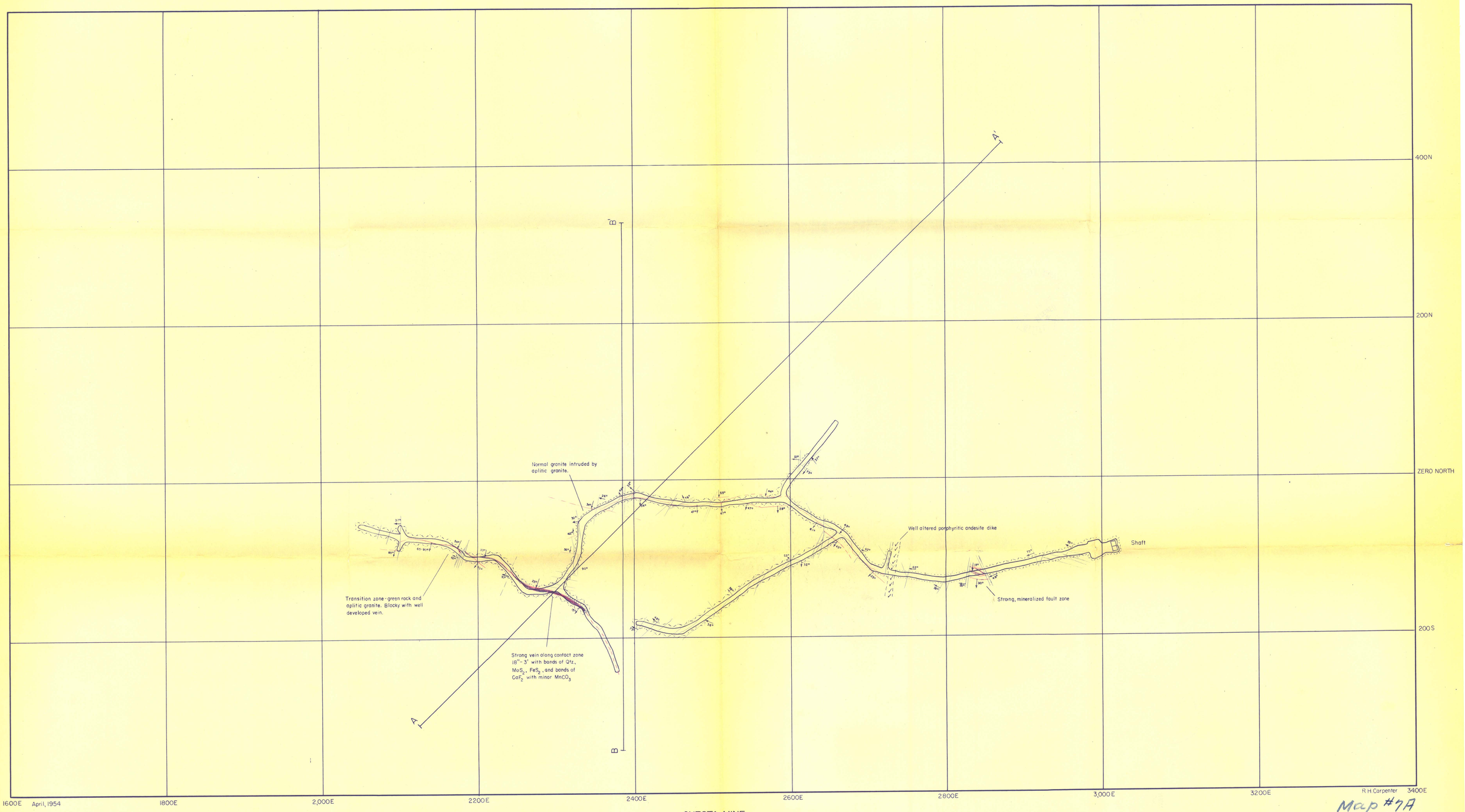
MOLYBDENUM CORPORATION OF AMERICA
500 FIFTH AVENUE
NEW YORK 18, N. Y.

D.M.E.A. 4568


6000 S
4000 S
2000 S
00
2000 N
4000 N
10000
9500
9000
8500
8000
7800
METAMORPHICS
GREEN ROCK
MOLY TUNNEL
#4 CX SOUTH
#1 CX NORTH
GREEN ROCK
GRANITE
MOLYBDENUM CORPORATION OF AMERICA
QUESTA, NEW MEXICO
MOLY MINE
NORTH-SOUTH SECTION AT COORD. 3000E
SCALE 1" = 500'
11-7-58
T.D.R.

DMEM-4568

MOLYBDENUM CORPORATION OF AMERICA



April, 1954

R.H. Carpenter

Map #7A

See A.-

QUESTA MINE

GEOLOGIC MAP OF THE 200 LEVEL

0' 50' 100'

SCALE

MOLYBDENUM CORPORATION OF AMERICA
500 FIFTH AVENUE
NEW YORK 18, N. Y.

Map #2

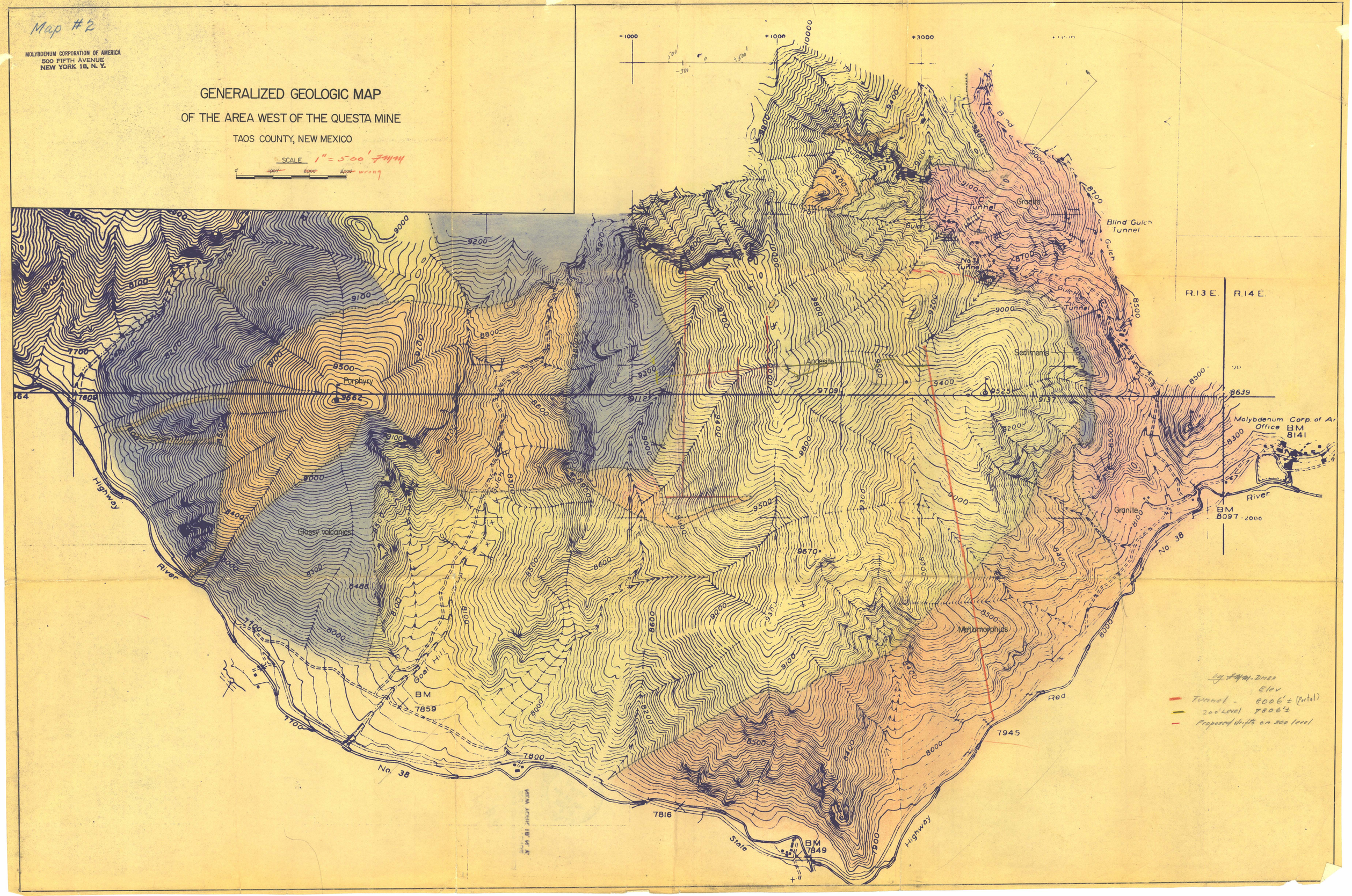
MOLYBDENUM CORPORATION OF AMERICA
500 FIFTH AVENUE
NEW YORK 18, N. Y.

GENERALIZED GEOLOGIC MAP

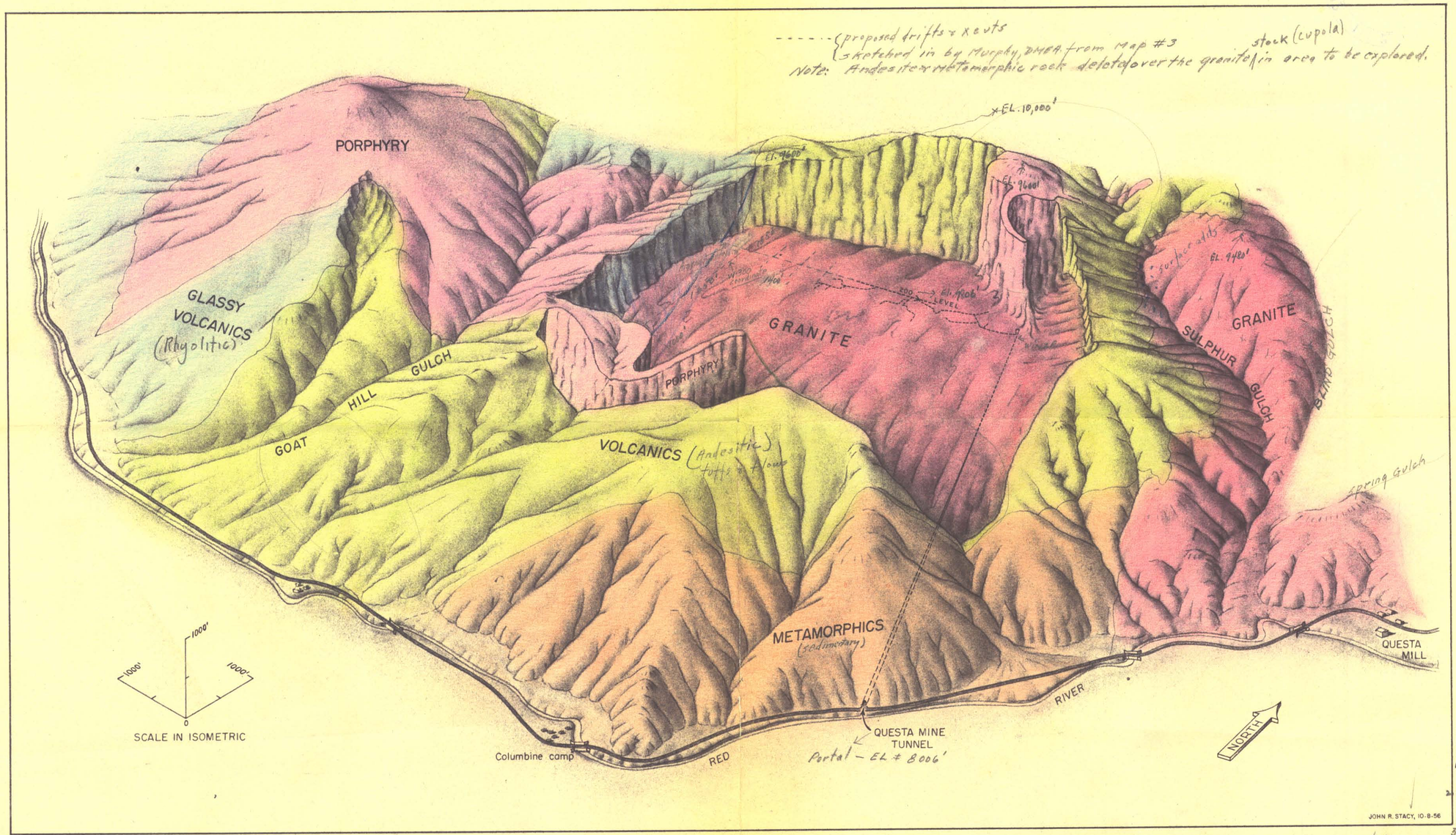
OF THE AREA WEST OF THE QUESTA MINE

TAOS COUNTY, NEW MEXICO

SCALE 1" = 500' ~~1000' 2000' 4000'~~ wrong



4568



ISOMETRIC PROJECTION OF GRANITE INTRUSIVE RIDGE, WESTERN FRINGE OF QUESTA MINE

30° OBLIQUE, VIEWING N 30° W

Pure Feldspars

1. orthoclase - potash feldspar $K_2O.Al_2O_3.6SiO_2$
2. Albite - soda feldspar $Na_2O.Al_2O_3.6SiO_2$
3. Anorthite, lime feldspar $CaO.Al_2O_3.2SiO_2$

Map #1

Porphyry, appears to be later than granite and ? not sure but favored by carpenter.
younger " mineralization

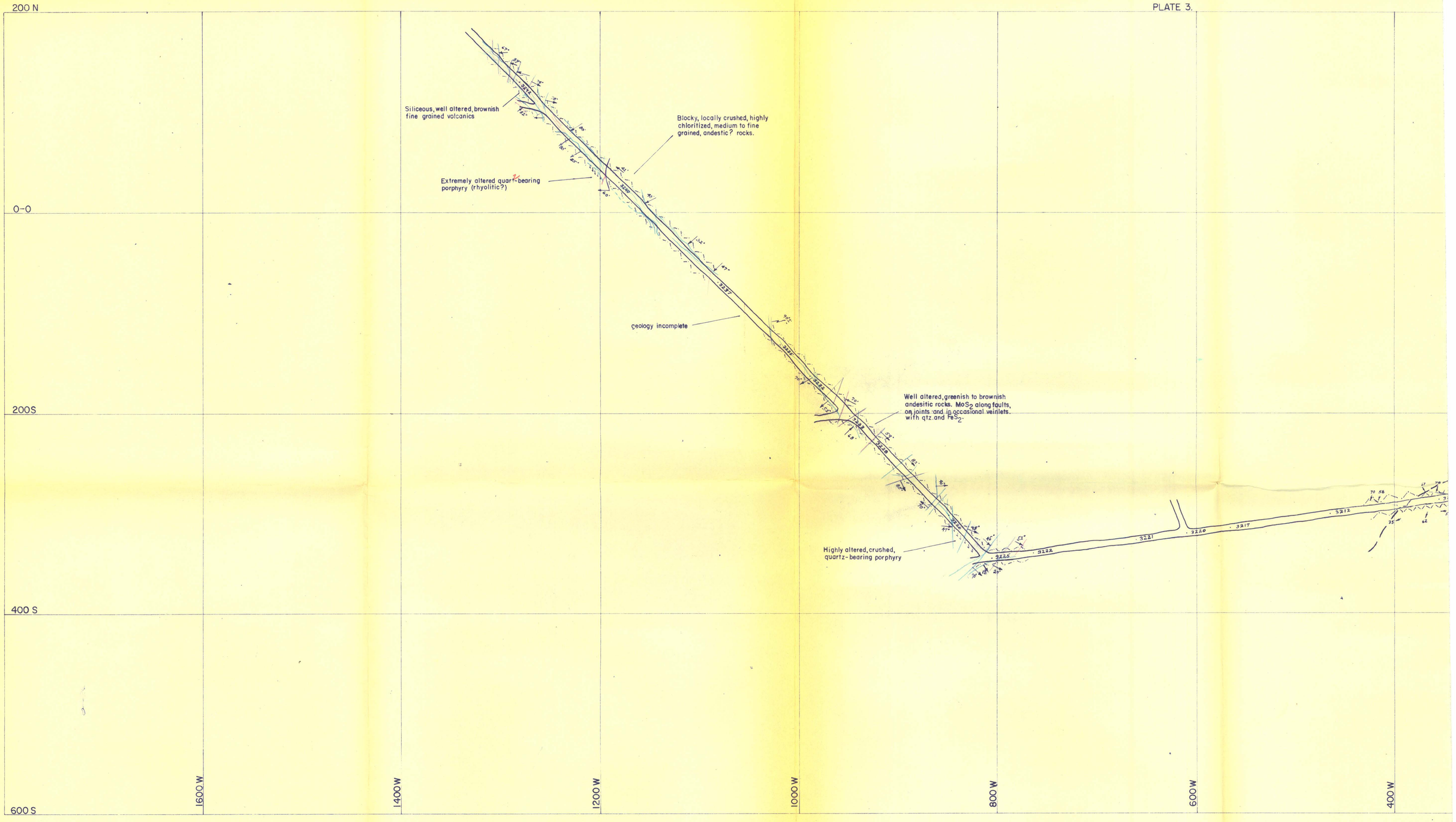
" fine to dense matrix - very similar to porphyritic type granite in mine area

{aplitic solutions which formed favorable host rock are later than the porphyry or granite because both have been fractured

" Finely xenotaline muscovite granite

MOLYBDENUM CORPORATION OF AMERICA
500 FIFTH AVENUE
NEW YORK 18, N. Y.

N-200
00
S-200
S-400
W1400
W1200
W1000
W800
W600
RHYOLITE 10
RHYOLITE 9
3-31-59
2-28-59
1-31-59
12-31-58
11-30-58
10-31-58
9-30-58
8-31-58
7-31-58
6-30-58
AVE. CHIP - 0.12

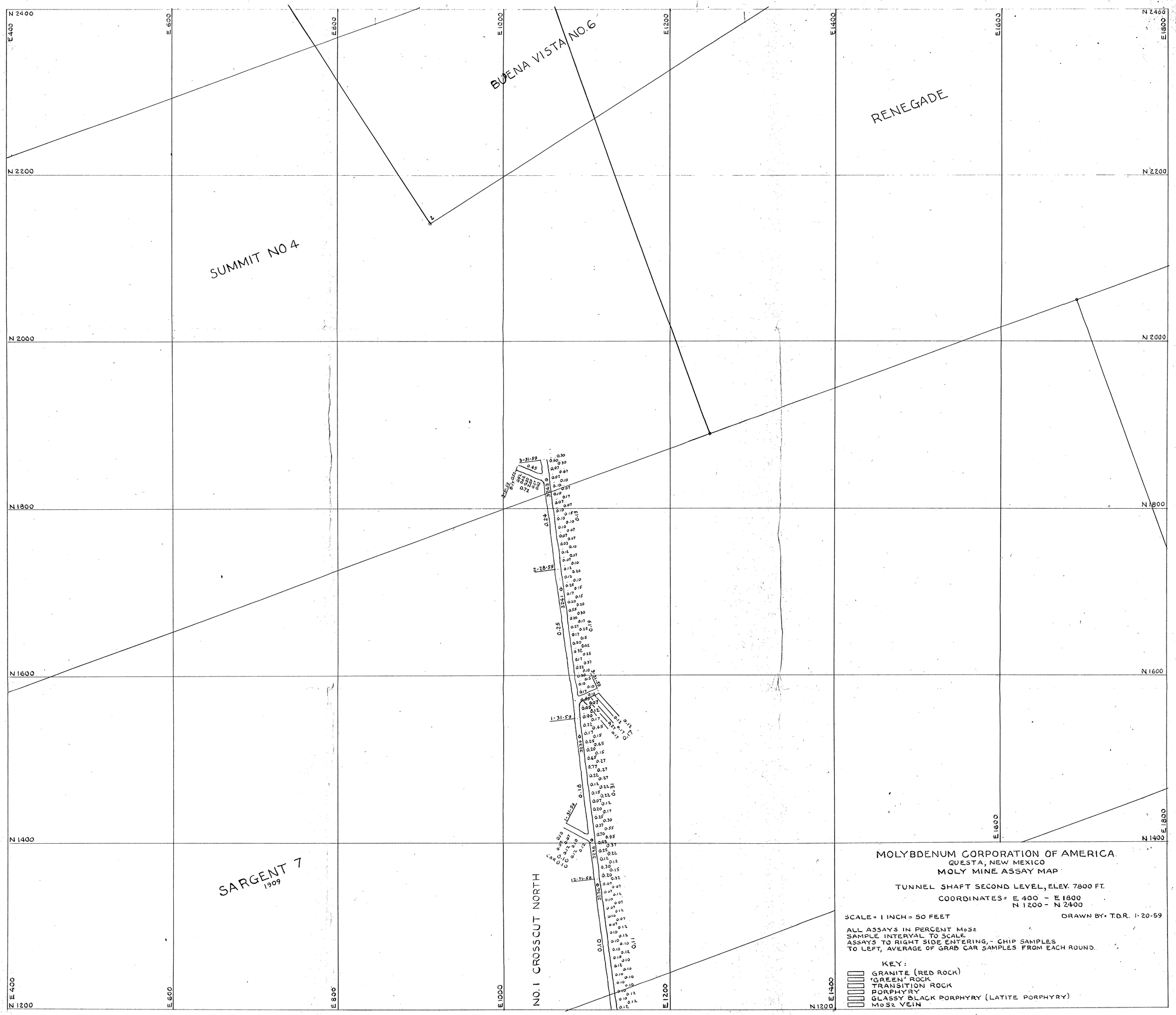


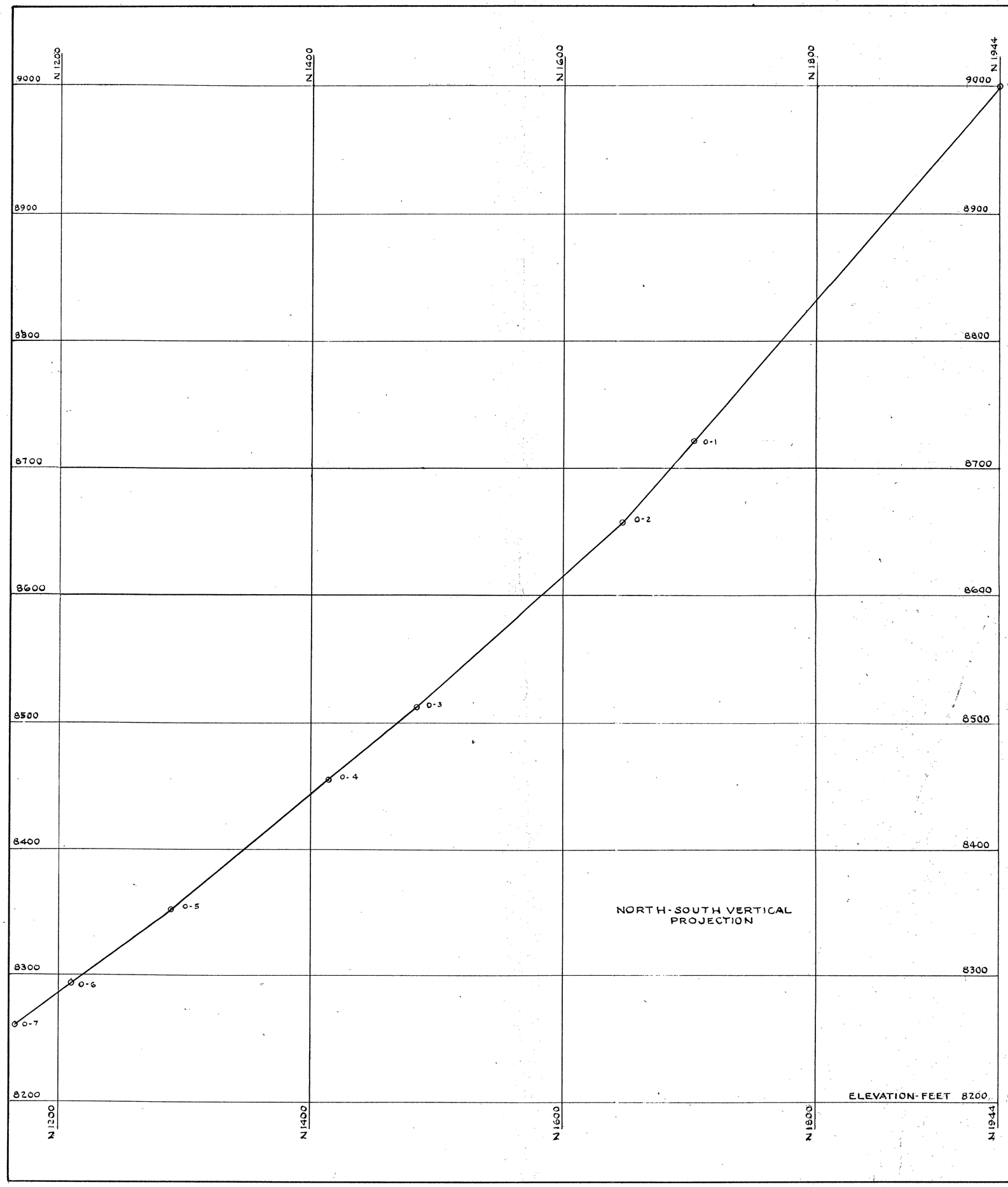
QUESTA MINE

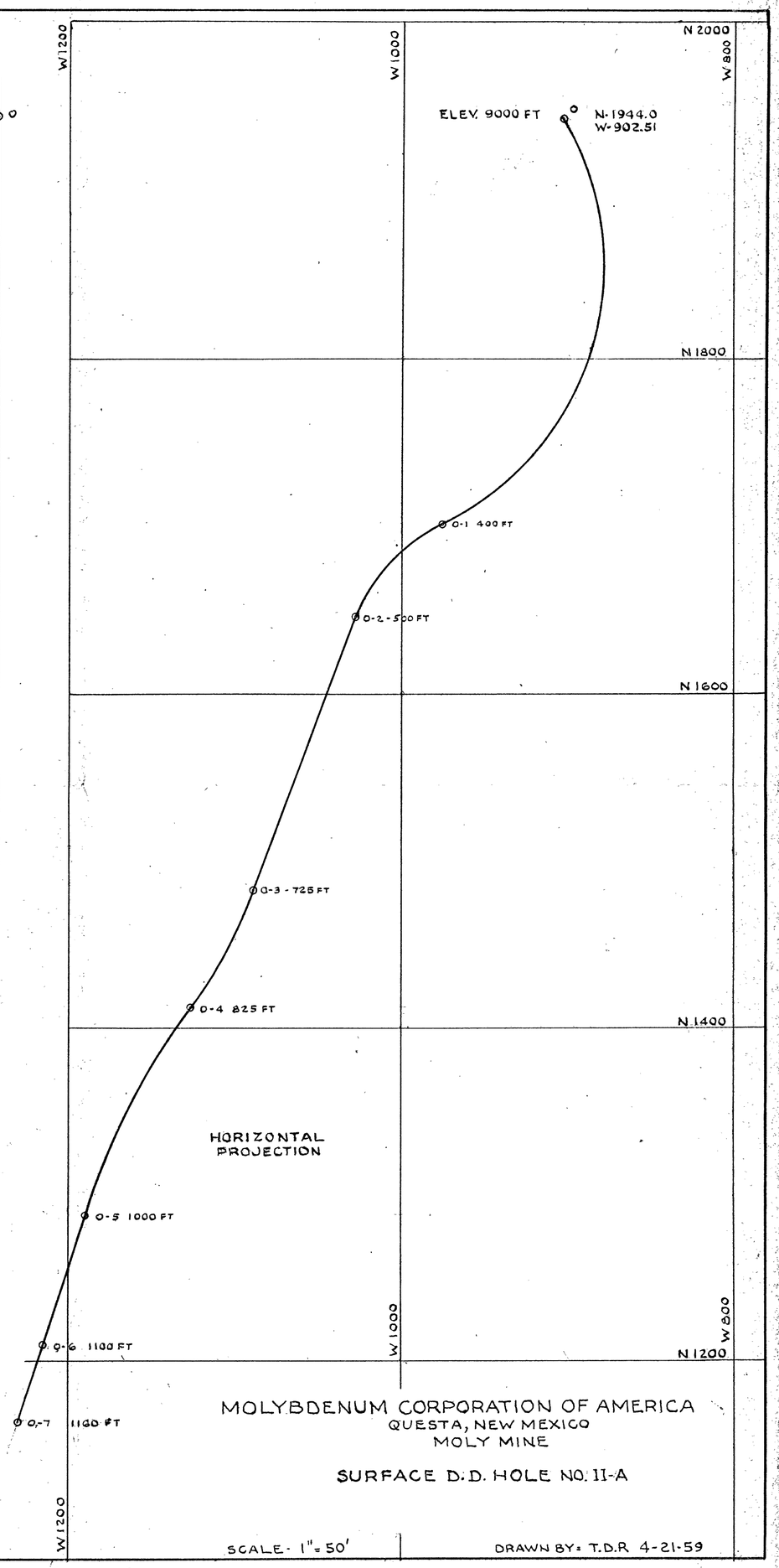
GEOLOGIC MAP OF THE 200 LEVEL

0' 50' 100'

SCALE


N 2400
E 400
E 600
E 800
E 1000
E 1200
E 1400
E 1600
E 1800
N 2200
N 2000
N 1800
N 1600
N 1400
N 1200
BUENA VISTA NO. 6
RENEGADE
SUMMIT NO 4
SARGENT 7
1909
NO. 1 CROSSCUT NORTH
3-31-59
2-28-59
1-31-59
12-31-58
MOLYBDENUM CORPORATION OF AMERICA
QUESTA, NEW MEXICO
MOLY MINE ASSAY MAP
TUNNEL SHAFT SECOND LEVEL, ELEV. 7800 FT.
COORDINATES: E 400 - E 1800
N 1200 - N 2400
SCALE = 1 INCH = 50 FEET
DRAWN BY: T.D.R. 1-20-59
ALL ASSAYS IN PERCENT MoS2
SAMPLE INTERVAL TO SCALE
ASSAYS TO RIGHT SIDE ENTERING, - CHIP SAMPLES
TO LEFT, AVERAGE OF GRAB CAR SAMPLES FROM EACH ROUND.
KEY:
GRANITE (RED ROCK)
"GREEN" ROCK
TRANSITION ROCK
PORPHYRY
GLASSY BLACK PORPHYRY (LATITE PORPHYRY)
MoS2 VEIN



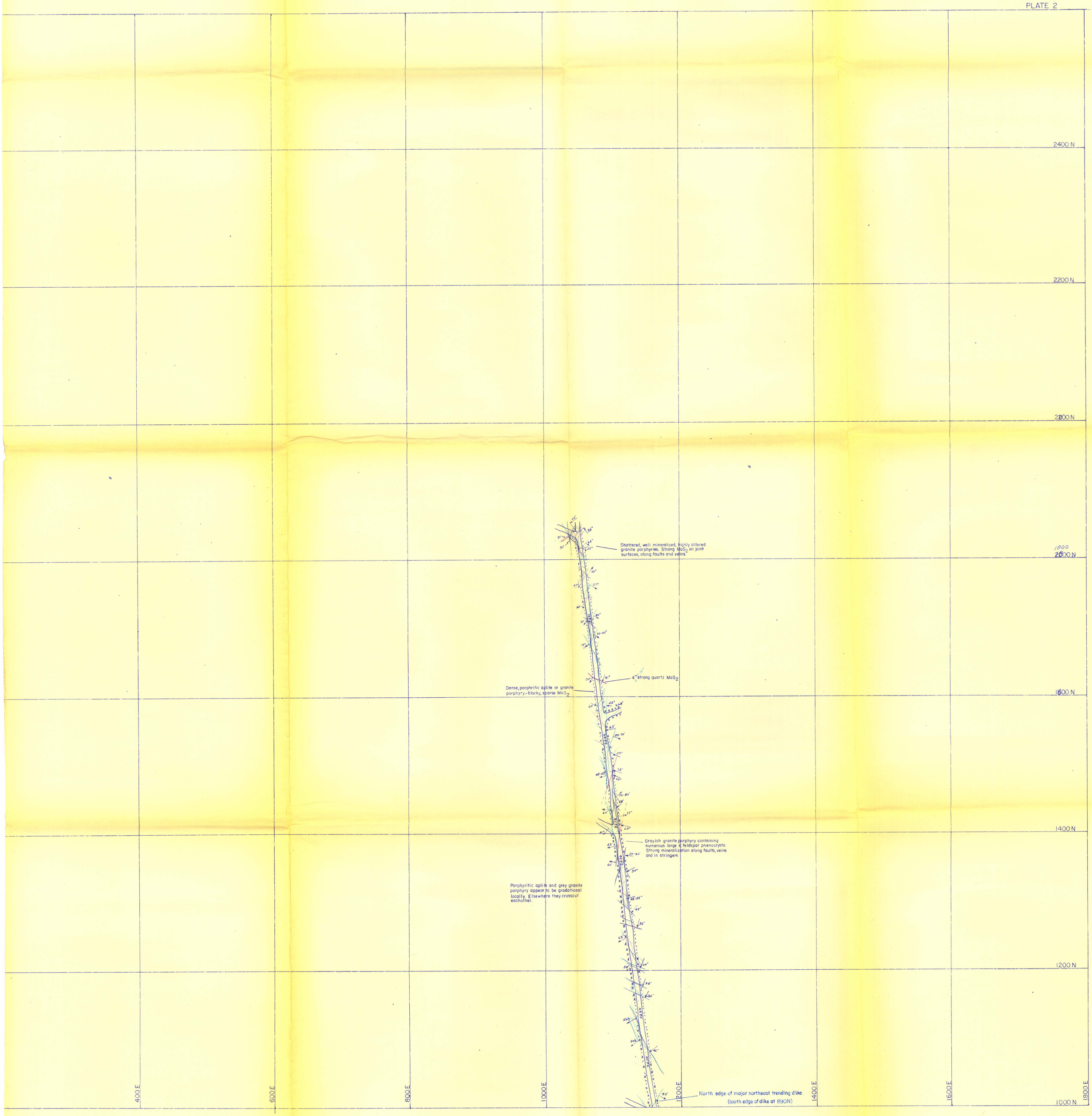


MOLYBDENUM CORPORATION OF AMERICA
QUESTA, NEW MEXICO
MOLY MINE

SURFACE D.D. HOLE NO. II-A

SCALE - 1" = 50'

DRAWN BY: T.D.R 4-21-59



QUESTA MINE

GEOLOGIC MAP OF THE 200 LEVEL

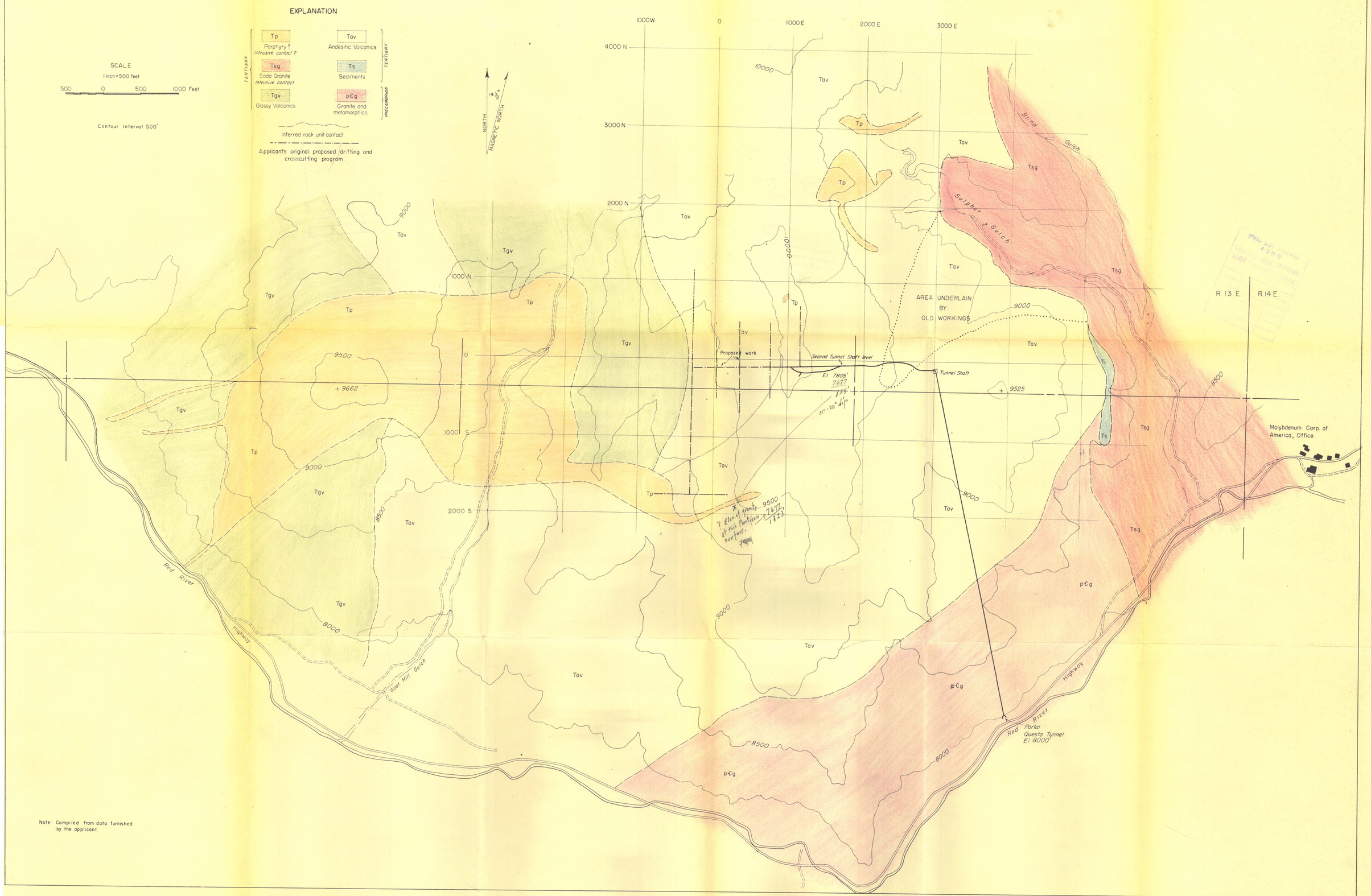
0' 50' 100'

SCALE

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

EXAMINATION REPORT
DMEA 4568

PREPARED FOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

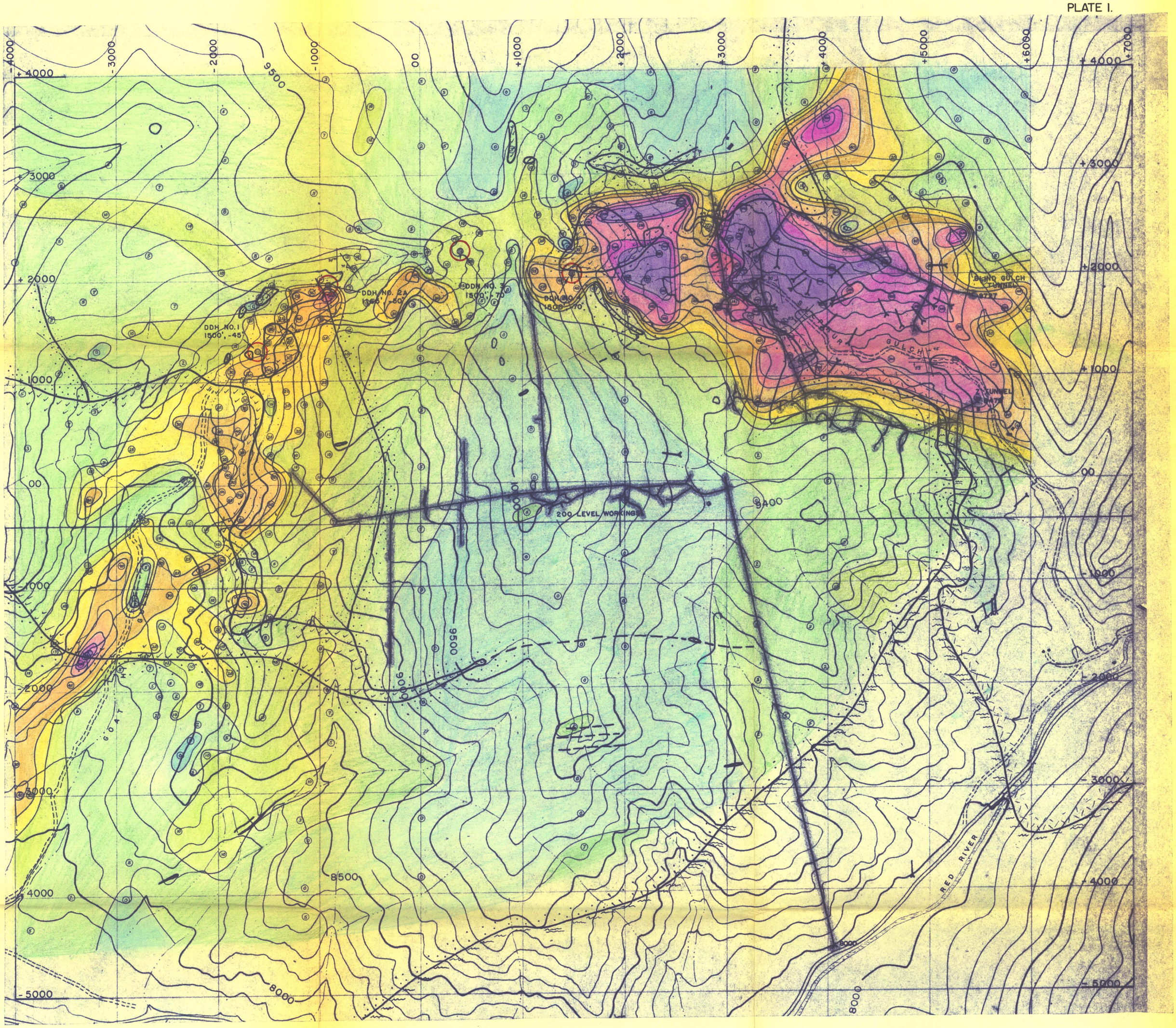


Note: Compiled from data furnished by the applicant.

FIG. 3 GENERALIZED GEOLOGIC MAP OF THE QUESTA MINE AREA, TAOS COUNTY, NEW MEXICO.

D. Richter, 1957

PLATE I.



MOLYBDENUM CORPORATION OF AMERICA
QUESTA MINE AREA
TAOS COUNTY, NEW MEXICO

MAP SHOWING TOPOGRAPHY, GENERALIZED GEOLOGY AND GEOCHEMISTRY

AS OF MARCH 31, 1959

EXPLANATION

Contour Interval = 100 ft.

Grid Interval = 1000 ft.

CONTOURS WERE OBTAINED FROM PLANE TABLE MAP BY F. L. GREGG, 1940, AND FROM BLOWUP OF U.S.G.S. QUADRANGLE SHEET ON TAOS AND VICINITY, NEW MEXICO, 1945. THE GRID IS THE QUESTA MINE GRID.

Scale: 1 in. = 500 ft.

0 500 1000

GEOLOGY

- Granite
- Porphyry
- Porphyry Dikes
- Glassy Volcanics
- Andesites
- Metamorphics

GEOCHEMISTRY

⊙ - Sample Location, Value in ppm.

- 0
- 1-10
- 10-20
- 20-30
- 30-40
- 40-100
- 100-300
- 300-500
- 500 +

(403 Samples Shown)

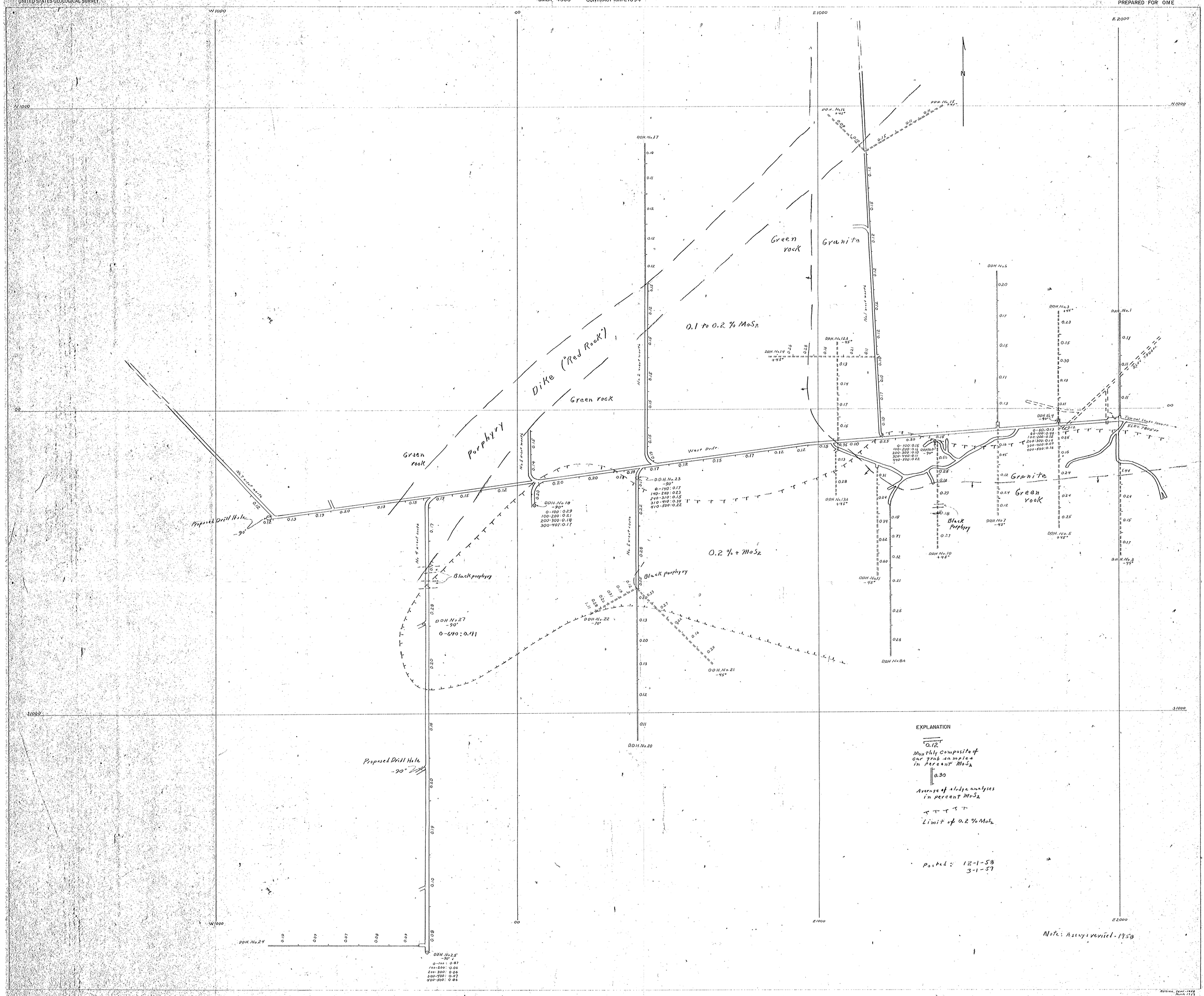


FIGURE 1.- PLAN SHOWING DMEA EXPLORATION, 2ND TUNNEL SHAFT LEVEL, QUESTA MINE, MOLYBDENUM CORPORATION OF AMERICA, TAOS COUNTY, NEW MEXICO

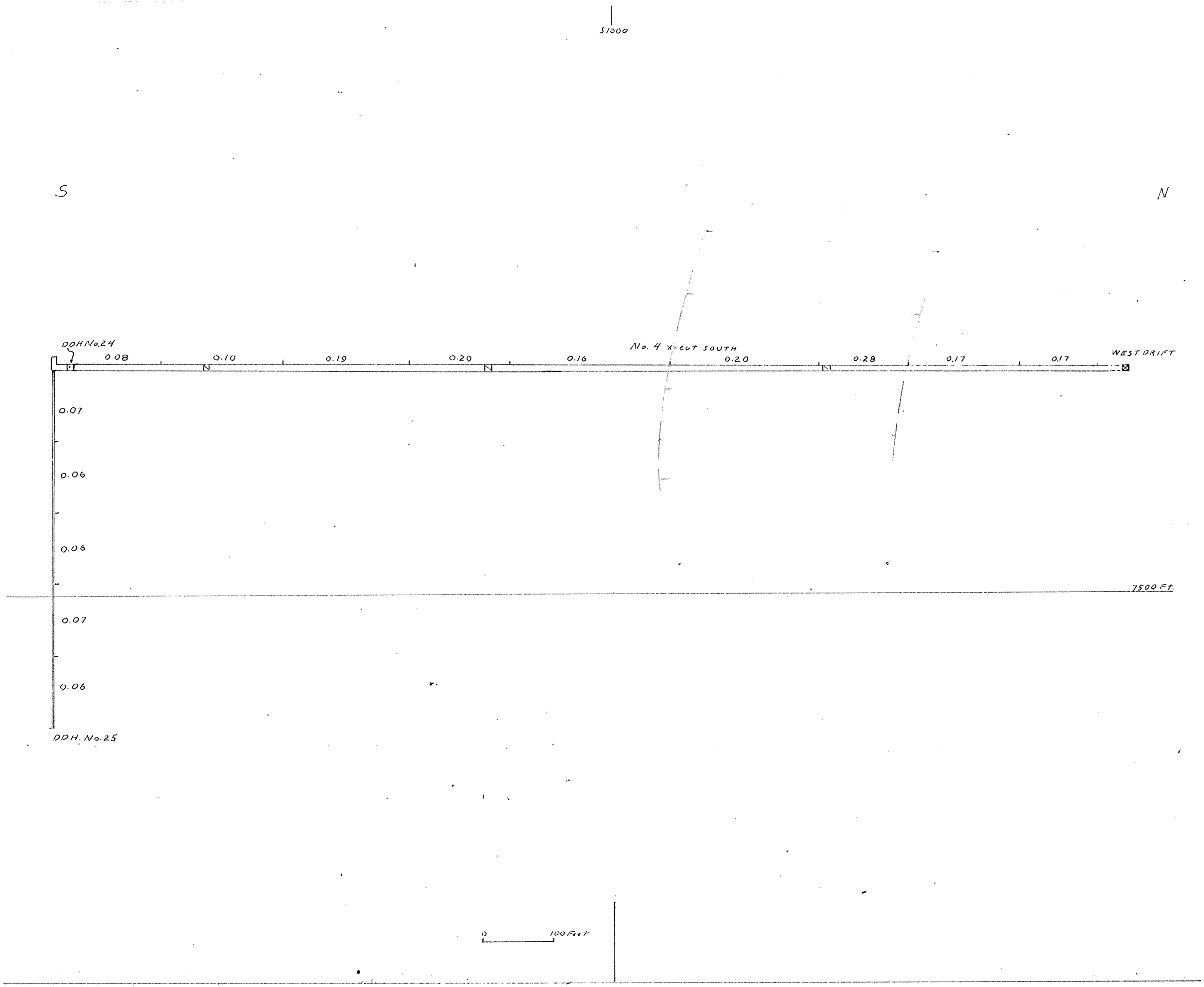


FIGURE 4.-SECTION ALONG COORDINATE W 300

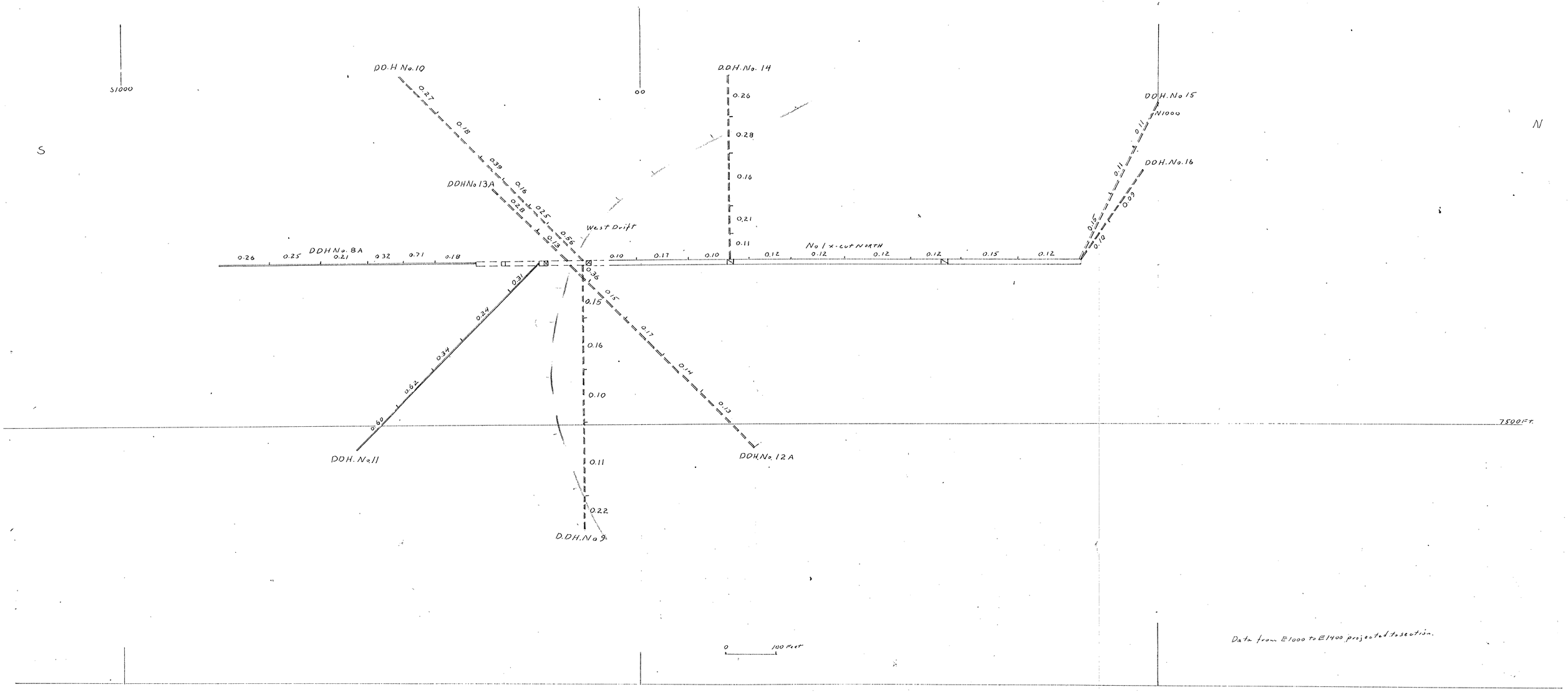
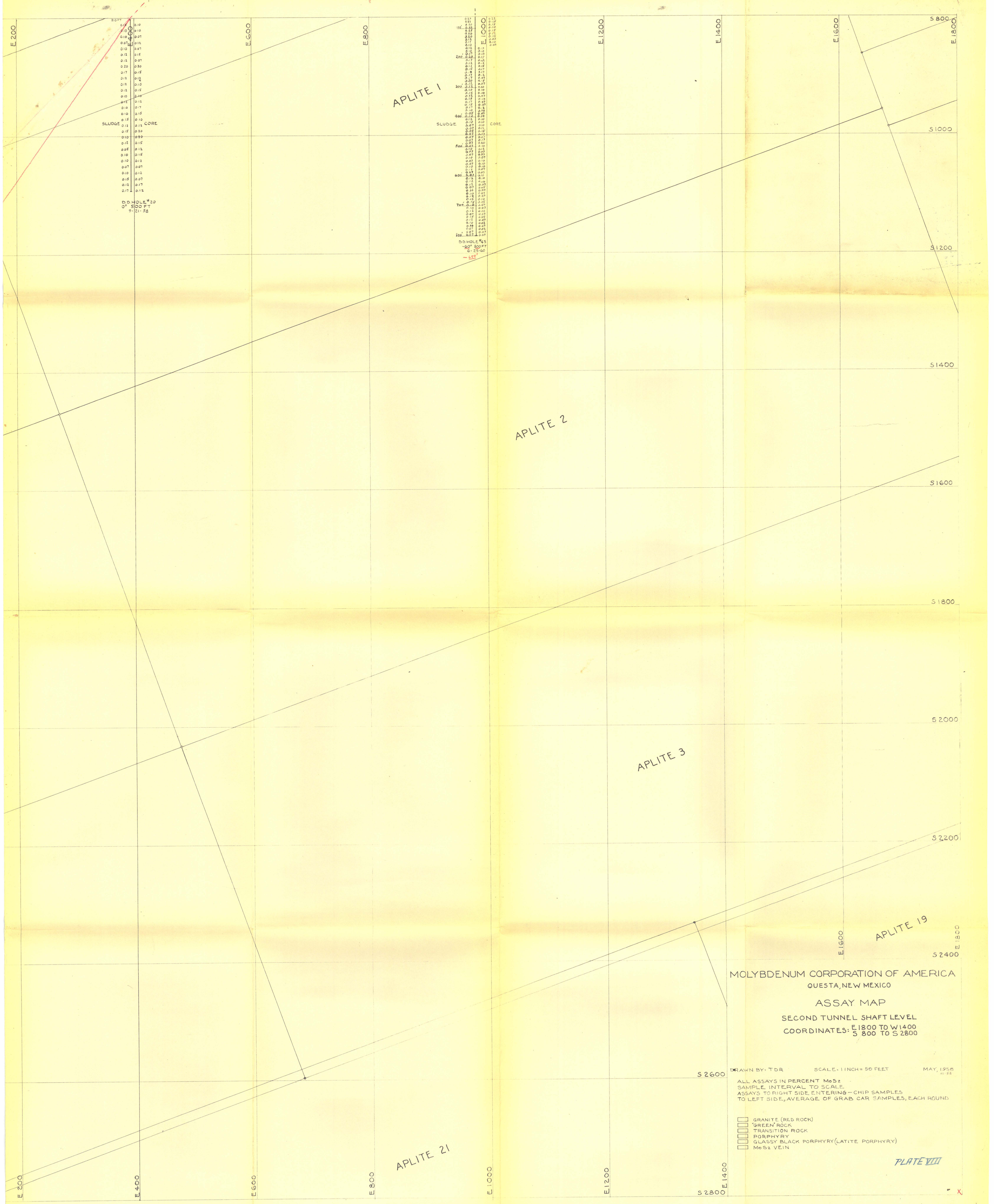
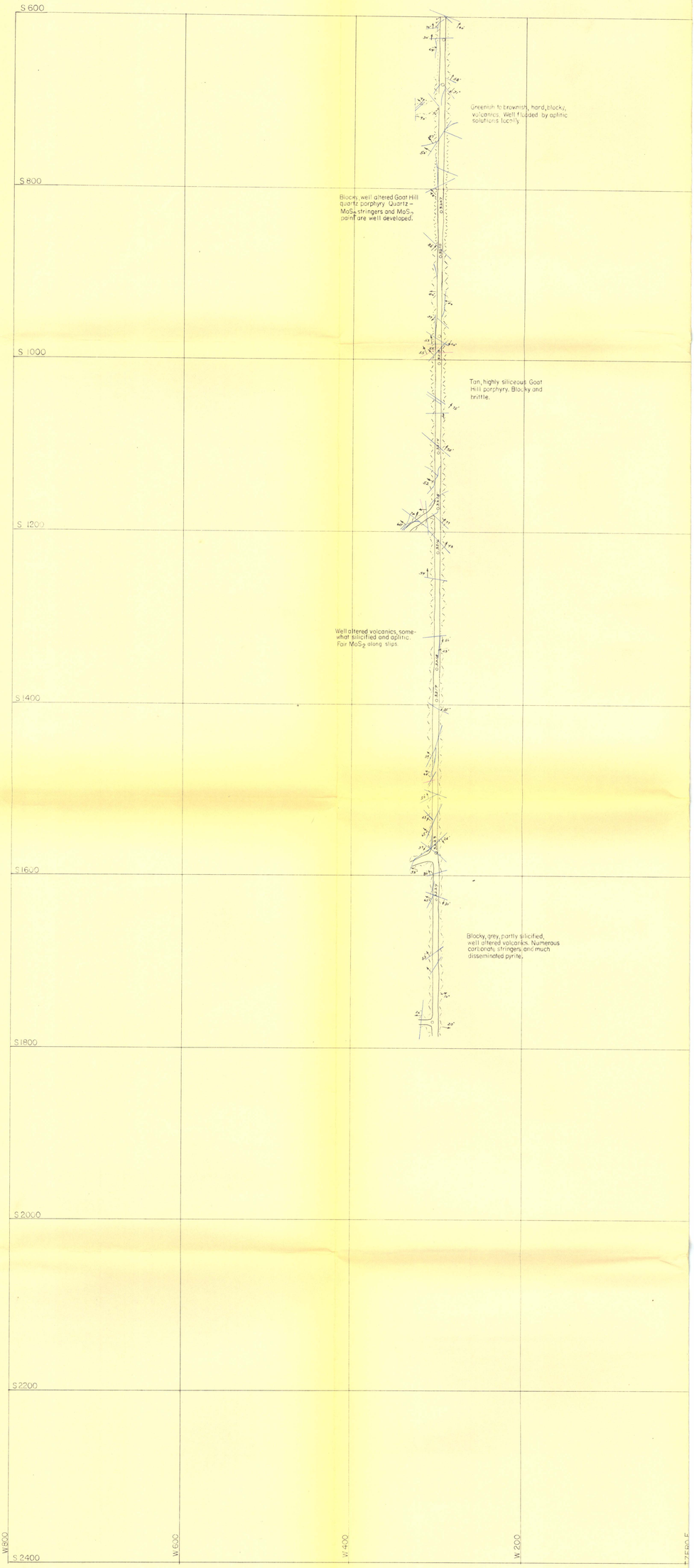
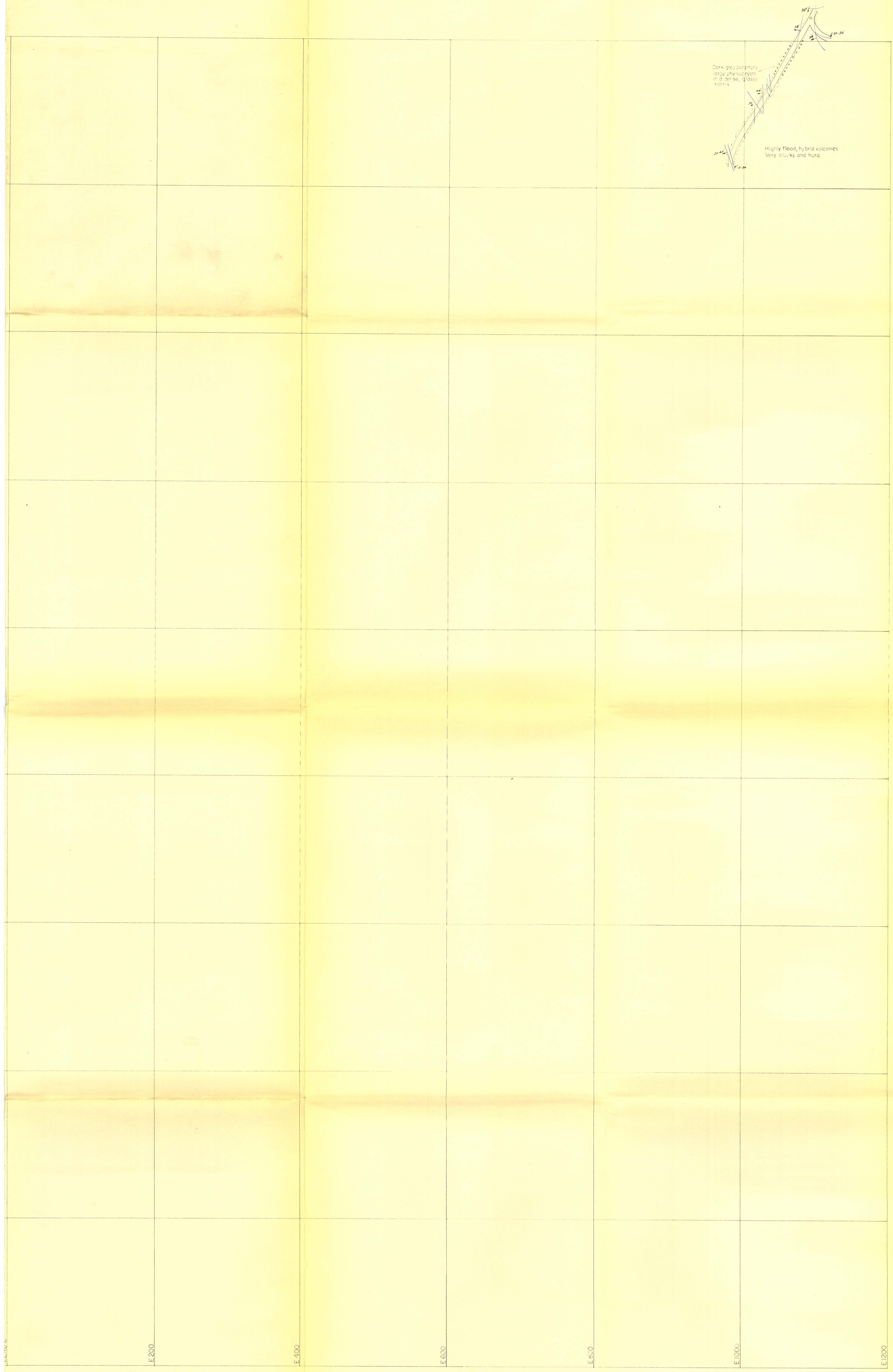


FIGURE 2.-SECTION ALONG COORDINATE E1200

W1400
S 800
S 1000
S 1200
S 1400
S 1600
S 1800
S 2000
S 2200
S 2400
S 2600
S 2800
APLITE 8
APLITE 9
APLITE 7
APLITE 10
APLITE 4
APLITE 5
APLITE 6
RHYOLITE 8
W1200
W1000
W 800
W 600
W 400
W 200
00
D.D. HOLE #24
0° 500 FT
12-17-58
D.D. HOLE #25
-70° 500 FT
11-10-58
D.D. HOLE #30
-90° 500 FT
6-22-59
SLUDGE
CORE
NO. 4 CROSSCUT SOUTH
Block 2


E 200
E 400
E 600
E 800
E 1000
E 1200
E 1400
E 1600
E 1800
S 800
S 1000
S 1200
S 1400
S 1600
S 1800
S 2000
S 2200
S 2400
S 2600
S 2800
APLITE 1
APLITE 2
APLITE 3
APLITE 19
APLITE 21
SLUDGE
CORE
D.D. HOLE #20
0° 500 FT
9-21-58
D.D. HOLE #45
-60° 800 FT
6-25-60
MOLYBDENUM CORPORATION OF AMERICA
QUESTA, NEW MEXICO
ASSAY MAP
SECOND TUNNEL SHAFT LEVEL
COORDINATES: E 1800 TO W 1400
S 800 TO S 2800
DRAWN BY: T D R
SCALE: 1 INCH = 50 FEET
MAY, 1958
ALL ASSAYS IN PERCENT MoS2
SAMPLE INTERVAL TO SCALE
ASSAYS TO RIGHT SIDE ENTERING — CHIP SAMPLES
TO LEFT SIDE, AVERAGE OF GRAB CAR SAMPLES, EACH ROUND
GRANITE (RED ROCK)
"GREEN" ROCK
TRANSITION ROCK
PORPHYRY
GLASSY BLACK PORPHYRY (LATITE PORPHYRY)
MoS2 VEIN
PLATE VIII


S 600
S 800
S 1000
S 1200
S 1400
S 1600
S 1800
S 2000
S 2200
S 2400
W 800
W 600
W 400
W 200
ZERO E
Greenish to brownish, hard, blocky, volcanics. Well flooded by aplitic solutions locally.
Blocky, well altered Goat Hill quartz porphyry. Quartz – MoS_2 stringers and MoS_2 paint are well developed.
Tan, highly siliceous Goat Hill porphyry. Blocky and brittle.
Well altered volcanics, somewhat silicified and aplitic. Fair MoS_2 along slips.
Blocky, grey, partly silicified, well altered volcanics. Numerous carbonate stringers and much disseminated pyrite.



MOLYBDENUM CORPORATION of AMERICA

QUESTA MINE

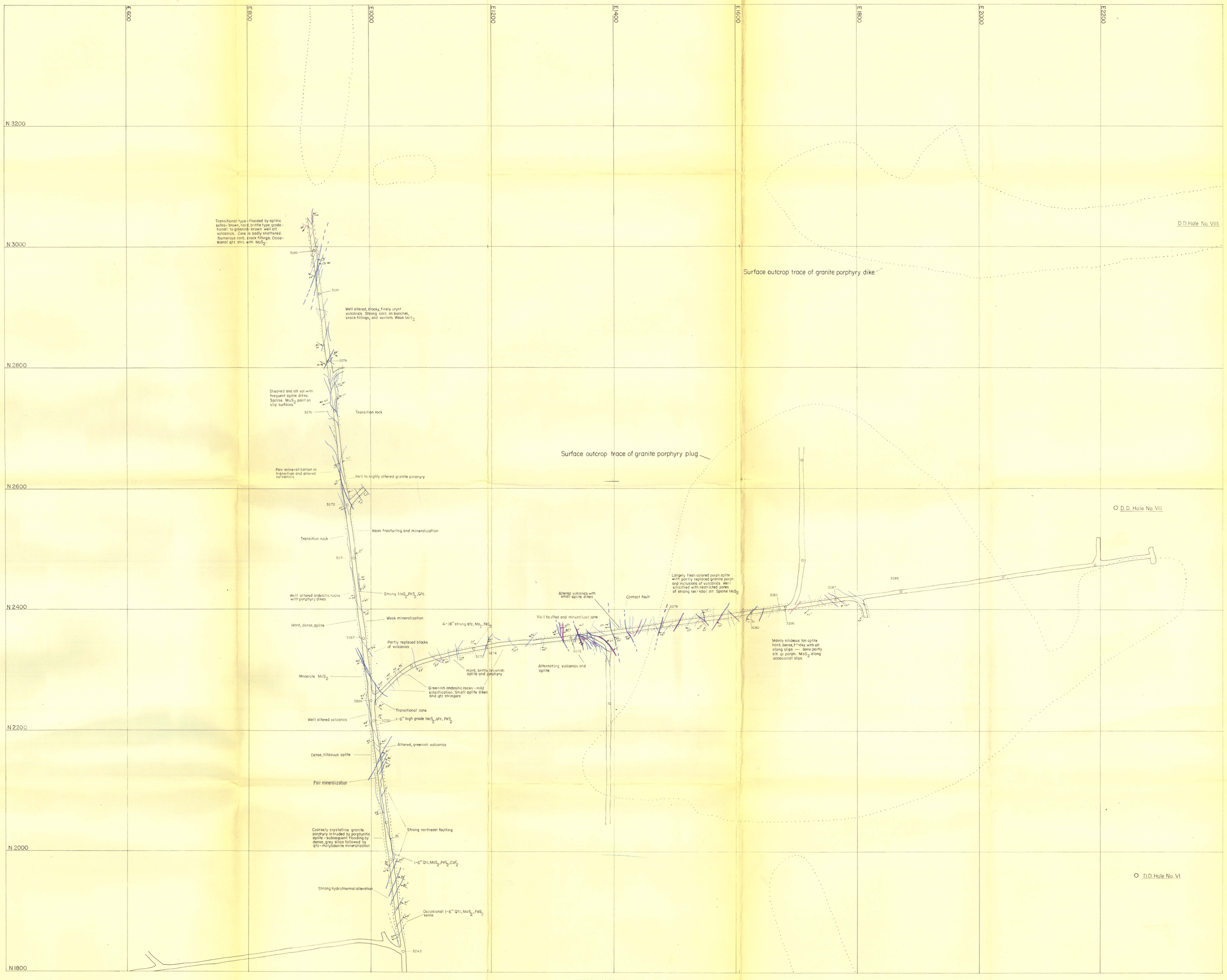
GEOLOGIC MAP

SOUTHWEST AREA - EXPLORATION LEVEL

SCALE

0' 50' 100' 150'

PLATE V



MOLYBDENUM CORPORATION of AMERICA

QUESTA MINE

GEOLOGIC MAP

NORTHEAST AREA - EXPLORATION LEVEL

SCALE

0' 50' 100' 150'

PLATE No. IV

MOLYBDENUM CORPORATION of AMERICA

QUESTA MINE

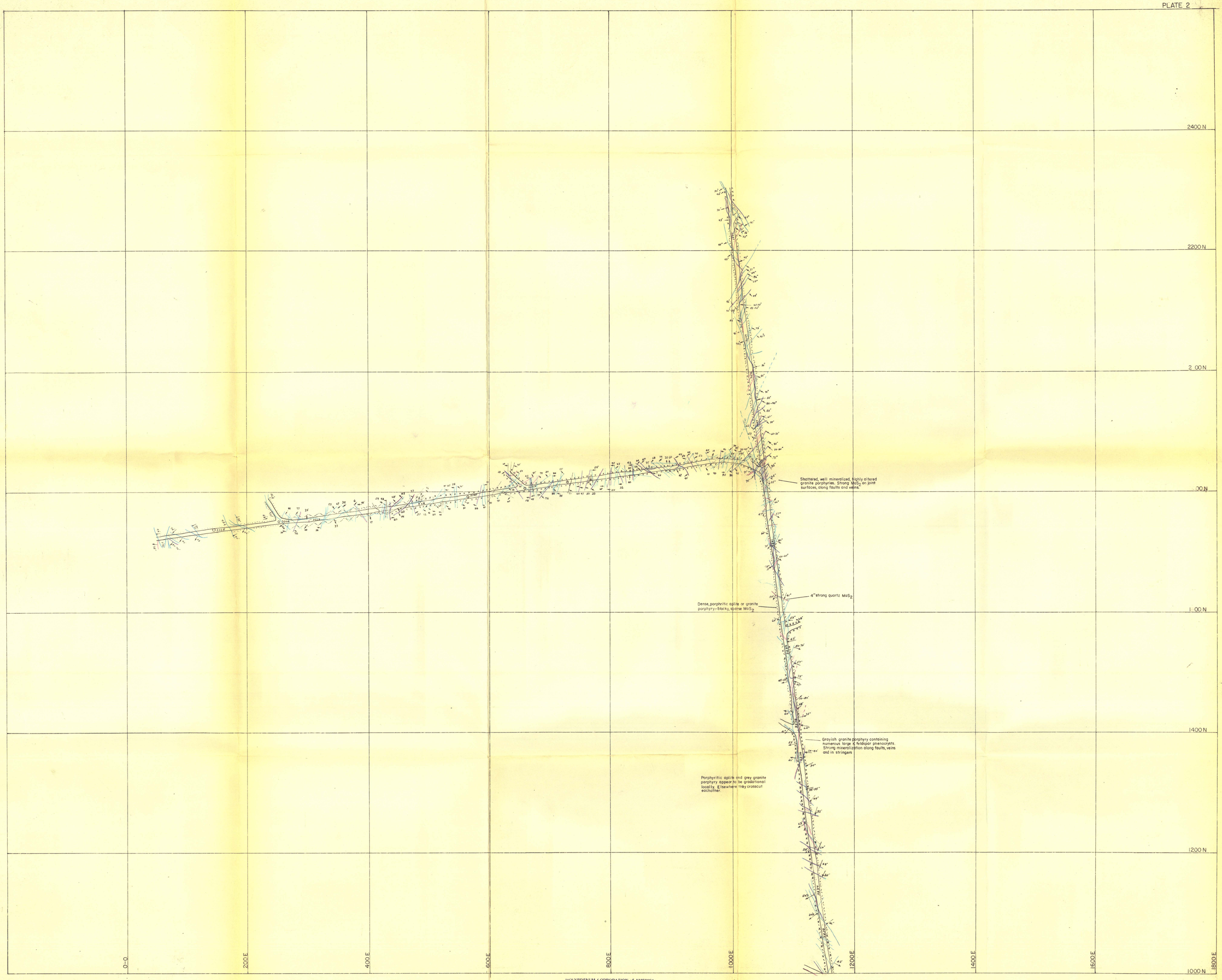
GEOLOGIC MAP OF THE 200 LEVEL

0' 50' 100'

SCALE

PLATE No. III

PLATE 2



MOLYBDENUM CORPORATION of AMERICA

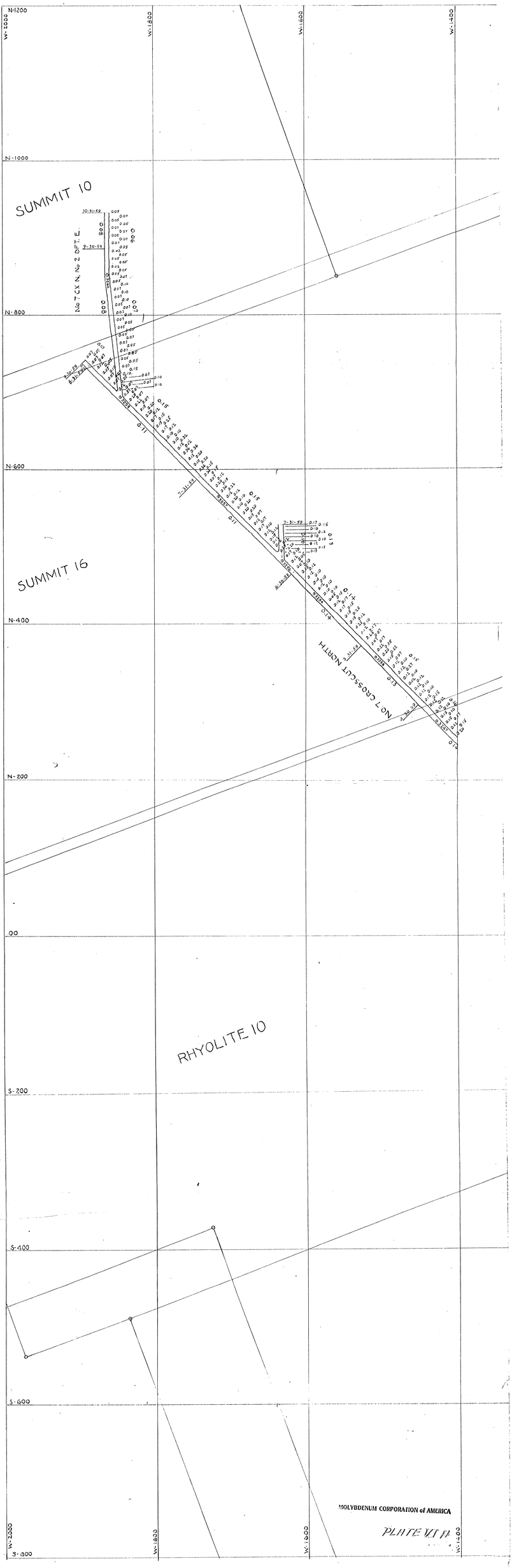
QUESTA MINE

GEOLOGIC MAP OF THE 200 LEVEL

0' 50' 100'

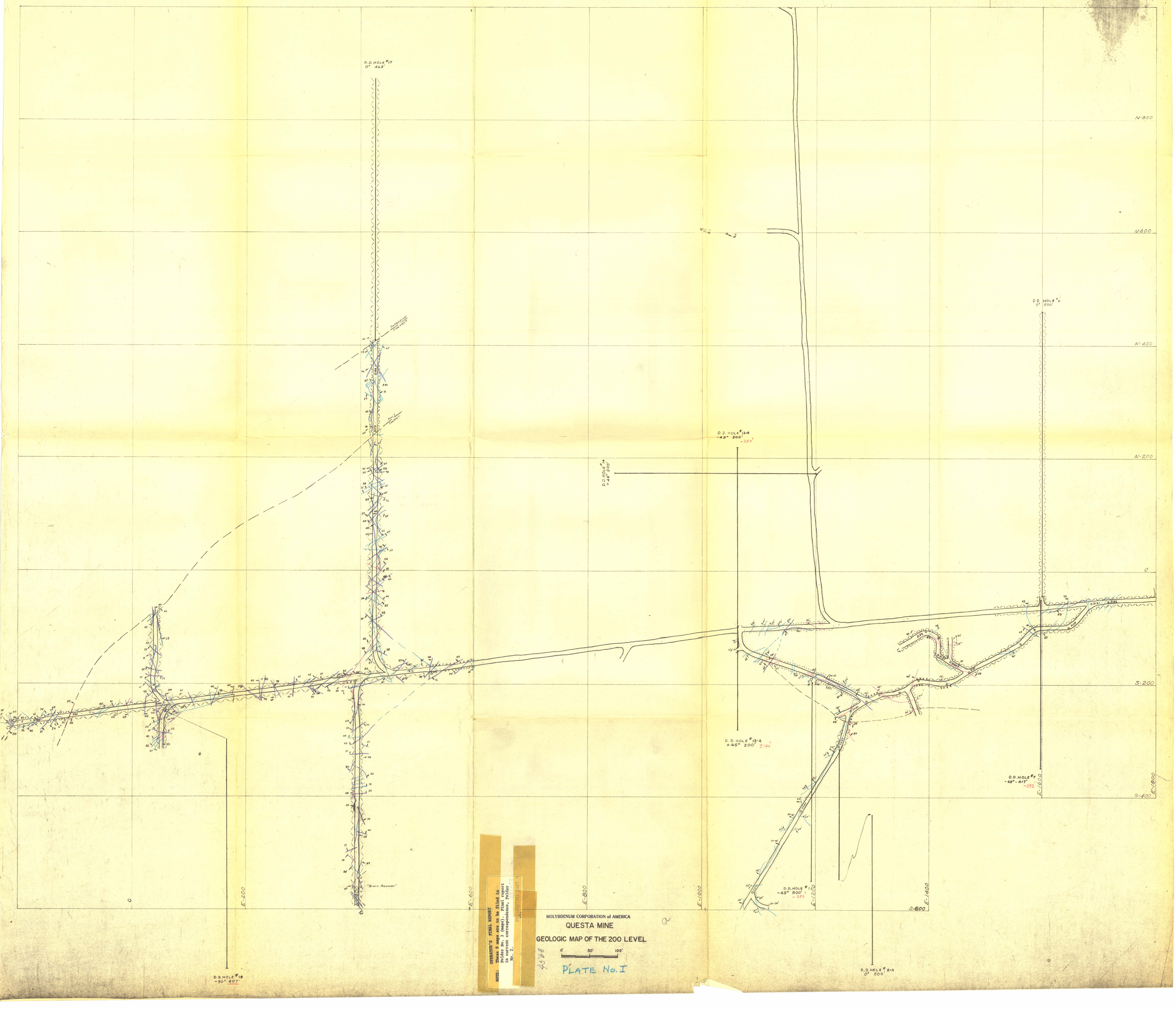
SCALE

PLATE No. II

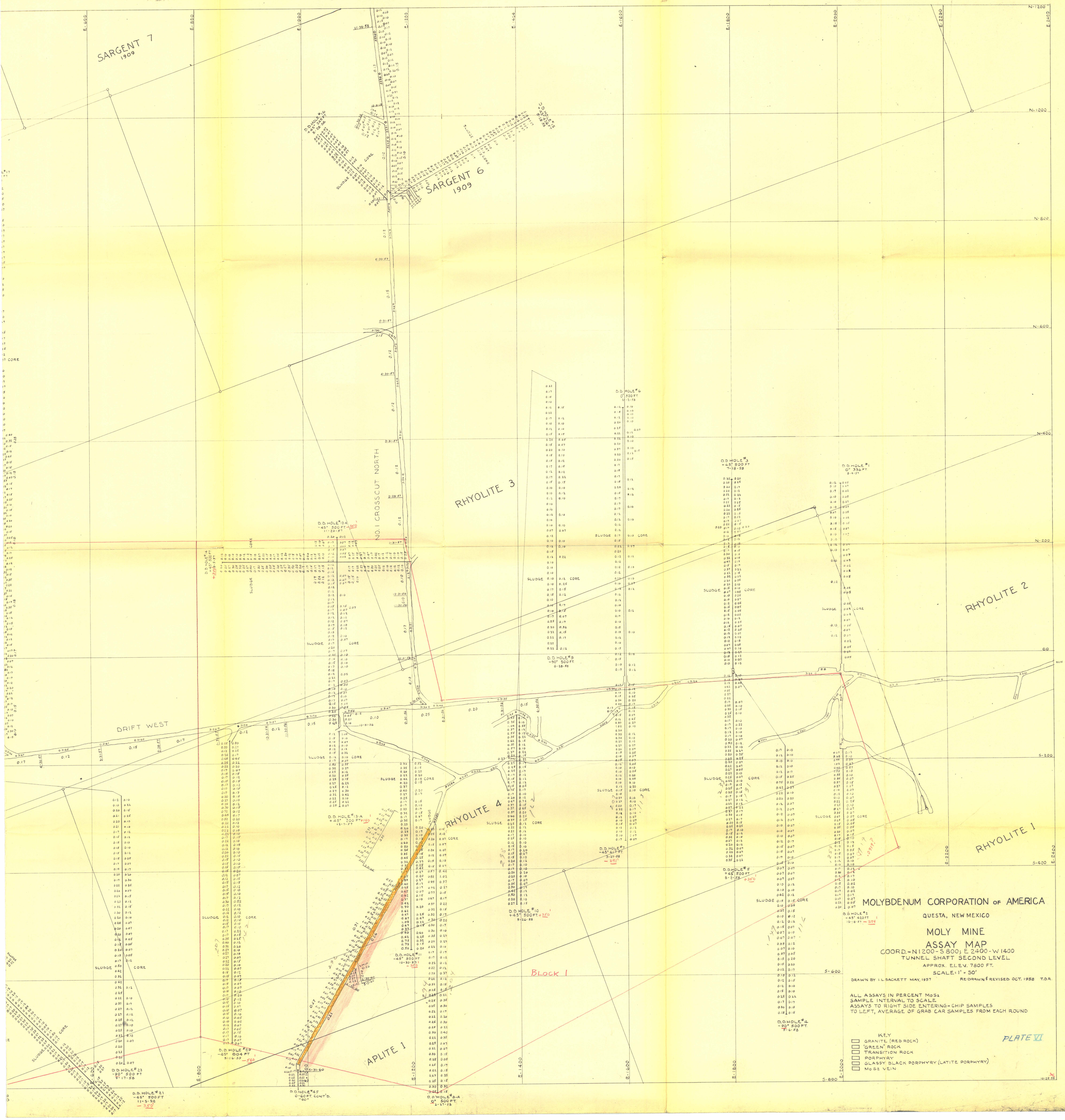


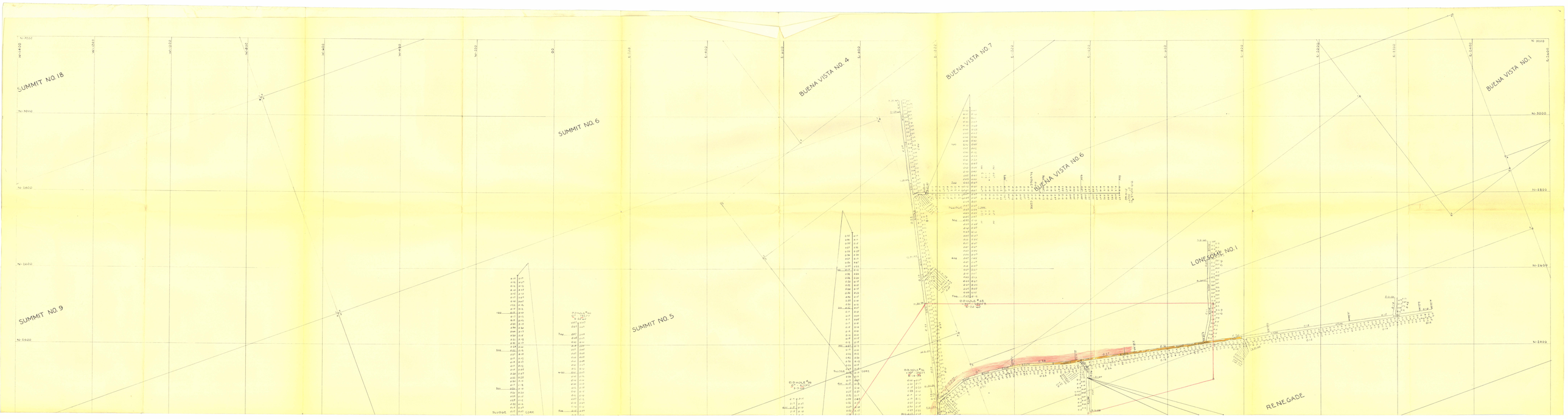
MOLYBDENUM CORPORATION of AMERICA

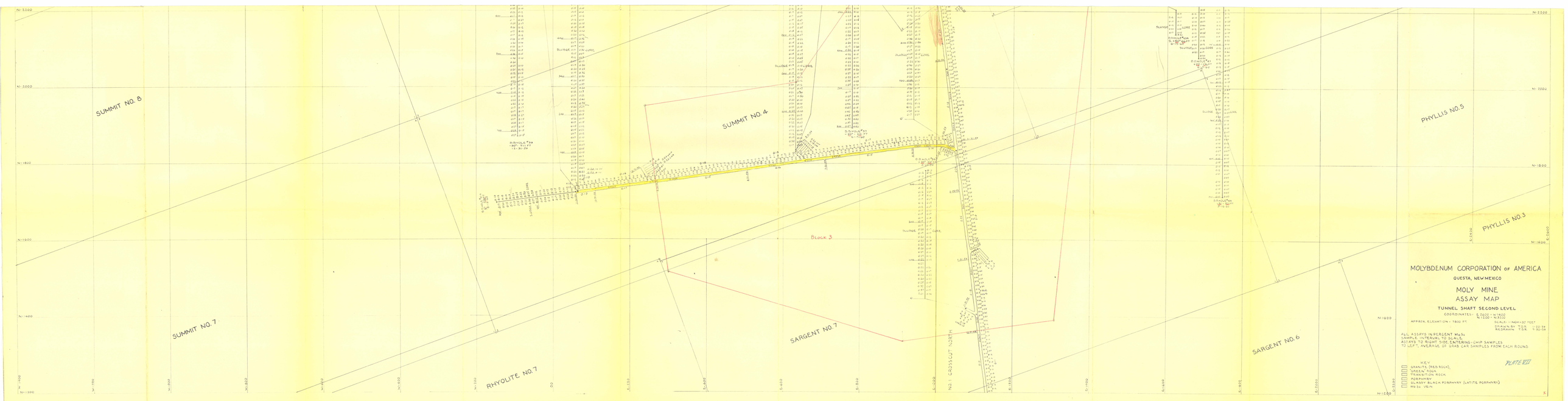
PLATE VI A


D.D. HOLE #17
0° 468'
N-800
N-600
N-400
N-200
0
S-200
S-400
S-600
D.D. HOLE #6
0° 500'
D.D. HOLE #12-A
-45° 500'
-350'
D.D. HOLE #14
+46° 600'
D.D. HOLE #13-A
+45° 200' ±140'
D.D. HOLE #7
-45° -417'
-292
D.D. HOLE #7
-45° 500'
-350
D.D. HOLE #8-A
0° 500
D.D. HOLE #18
-90° 407'
"BLACK PROPERTY"
E-200
E-600
E-800
E-1000
E-1200
E-1400
E-1600
E-1800
MOLYBDENUM CORPORATION of AMERICA
QUESTA MINE
GEOLOGIC MAP OF THE 200 LEVEL
0' 50' 100'
PLATE No. I
OPERATOR'S FINAL REPORT
NOTE: These 9 maps are to be filed in Folder No. 3 (maps). Final report in current correspondence, Folder No. 2.
FOR INSPECTION ONLY

SUMMIT 7
SUMMIT 16
RHYOLITE 7
RHYOLITE 6
RHYOLITE 10
RHYOLITE 9
RHYOLITE 8
RHYOLITE 5
NO. 2 CROSSCUT NORTH
NO. 5 CROSSCUT NORTH
NO. 5 CROSSCUT SOUTH (OLD)
NO. 5 CROSSCUT SOUTH (NEW)
NO. 4 CROSSCUT SOUTH
BLOCK 2
SLUDGE
CORE
D.D. HOLE #33 -90° 586 FT. 11-13-59
D.D. HOLE #32 -90° 546 FT 10-8-59
D.D. HOLE #31 -90° 501 FT 7-24-59
D.D. HOLE #26 -90° 359 FT 3-28-59
D.D. HOLE #27 -90° - 679 FT 3-10-59
D.D. HOLE #22 -70° 800 FT 4-16-59
HOLE #22 ASSAYS
N-1200
N-1000
N-800
N-600
N-400
N-200
00
S-200
S-400
S-600
S-800
W-1400
W-1200
W-1000
W-800
W-600
W-400
W-200
E-200
E-400


MOLYBDENUM CORPORATION OF AMERICA
QUESTA, NEW MEXICO
MOLY MINE
ASSAY MAP
COORD.=N1200-S800; E2400-W1400
TUNNEL SHAFT SECOND LEVEL
APPROX. ELEV. 7800 FT.
SCALE: 1" = 50'
DRAWN BY I.L. SACKETT MAY, 1957
RE-DRAWN & REVISED OCT. 1958 T.D.R.
ALL ASSAYS IN PERCENT MoS2
SAMPLE INTERVAL TO SCALE
ASSAYS TO RIGHT SIDE ENTERING=CHIP SAMPLES
TO LEFT, AVERAGE OF GRAB CAR SAMPLES FROM EACH ROUND
KEY
GRANITE (RED ROCK)
"GREEN" ROCK
TRANSITION ROCK
PORPHYRY
GLASSY BLACK PORPHYRY (LATITE PORPHYRY)
MoS2 VEIN
PLATE VI
SARGENT 7
1909
SARGENT 6
1909
RHYOLITE 3
RHYOLITE 2
RHYOLITE 1
RHYOLITE 4
APLITE 1
BLOCK 1
NO. 1 CROSSCUT NORTH
DRIFT WEST
D.D. HOLE #12A
-45° 500 FT.
11-20-57
D.D. HOLE #13-A
+45° 200 FT.
12-7-57
D.D. HOLE #29
-45° 804 FT.
5-16-59
D.D. HOLE #23
-90° 500 FT.
9-17-58
D.D. HOLE #21
-45° 500 FT.
11-5-58
D.D. HOLE #45
0-60 FT. CONT'D.
-60°
D.D. HOLE #8-A
0° 500 FT.
2-27-58
D.D. HOLE #11
-45° 500 FT.
10-30-57
D.D. HOLE #10
+45° 500 FT.
5-26-58
D.D. HOLE #9
-90° 500 FT.
6-26-58
D.D. HOLE #7
-45° 613 FT.
3-27-58
D.D. HOLE #6
0° 500 FT.
3-12-58
D.D. HOLE #5
+45° 500 FT.
5-2-58
D.D. HOLE #4
-90° 500 FT.
5-6-58
D.D. HOLE #3
+45° 500 FT.
7-18-58
D.D. HOLE #1
0° 330 FT.
8-4-57
D.D. HOLE #2
-45° 420 FT.
12-18-57
SLUDGE
CORE
N-1200
N-1000
N-800
N-600
N-400
N-200
00
S-200
S-400
S-600
S-800
E-800
E-1000
E-1200
E-1400
E-1600
E-1800
E-2000
E-2200
E-2400


SUMMIT NO. 18
SUMMIT NO. 9
SUMMIT NO. 6
SUMMIT NO. 5
BUENA VISTA NO. 4
BUENA VISTA NO. 7
BUENA VISTA NO. 6
BUENA VISTA NO. 1
LONESOME NO. 1
RENEGADE
W-1400
W-1300
W-1200
W-1100
W-1000
W-900
W-800
W-700
E-100
E-200
E-300
E-400
E-500
E-600
E-700
E-800
E-900
E-1000
E-1100
E-1200
E-1300
E-1400
E-1500
E-1600
E-1700
N-3200
N-3000
N-2800
N-2600
N-2400
N-2200
N-3100
N-2900
N-2700
N-2500
N-2300
D.D. HOLE #40
D.D. HOLE #43
D.D. HOLE #36
D.D. HOLE #34
SLUDGE
CORE


SUMMIT NO. 8
SUMMIT NO. 7
RHYOLITE NO. 7
SUMMIT NO. 4
BLOCK 3
SARGENT NO. 7
NO. 1 CROSSCUT NORTH
SARGENT NO. 6
PHYLLIS NO. 5
PHYLLIS NO. 3
MOLYBDENUM CORPORATION OF AMERICA
QUESTA, NEW MEXICO
MOLY MINE
ASSAY MAP
TUNNEL SHAFT SECOND LEVEL
COORDINATES: E 5200 = W 1400
N 1200 = N 3200
APPROX. ELEVATION = 7800 FT
SCALE: 1 INCH = 50 FEET
DRAWN BY TDR 1-20-54
REDRAWN TDR 7-30-59
ALL ASSAYS IN PERCENT Mo Si
SAMPLE INTERVAL TO SCALE.
ASSAYS TO RIGHT SIDE ENTERING - CHIP SAMPLES
TO LEFT - AVERAGE OF GRAB CAR SAMPLES FROM EACH ROUND
PLATE VII
KEY
GRANITE (RED ROCK)
GREEN ROCK
TRANSITION ROCK
PORPHYRY
GLASSY BLACK PORPHYRY (LATITE PORPHYRY)
Mo Si VEIN