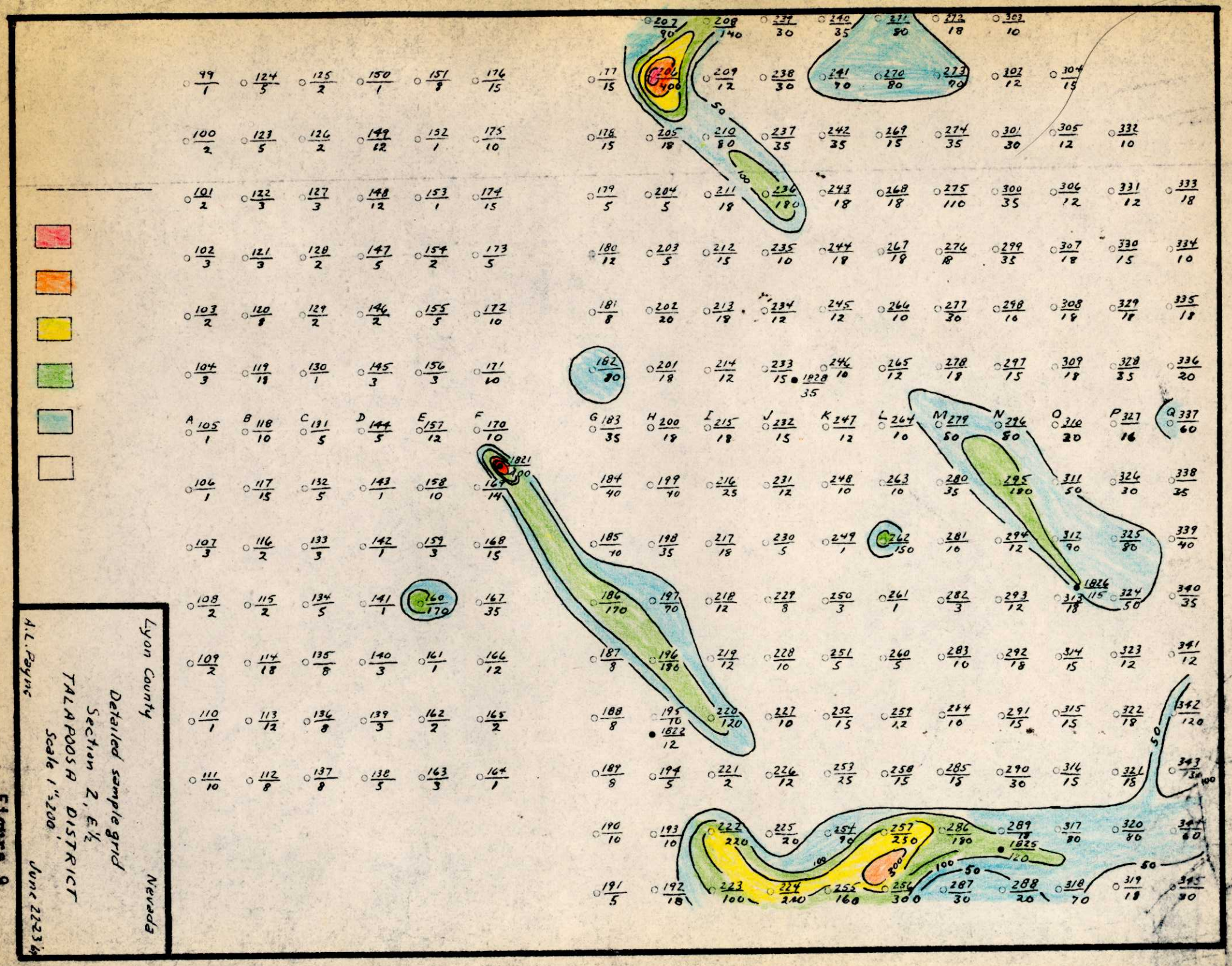
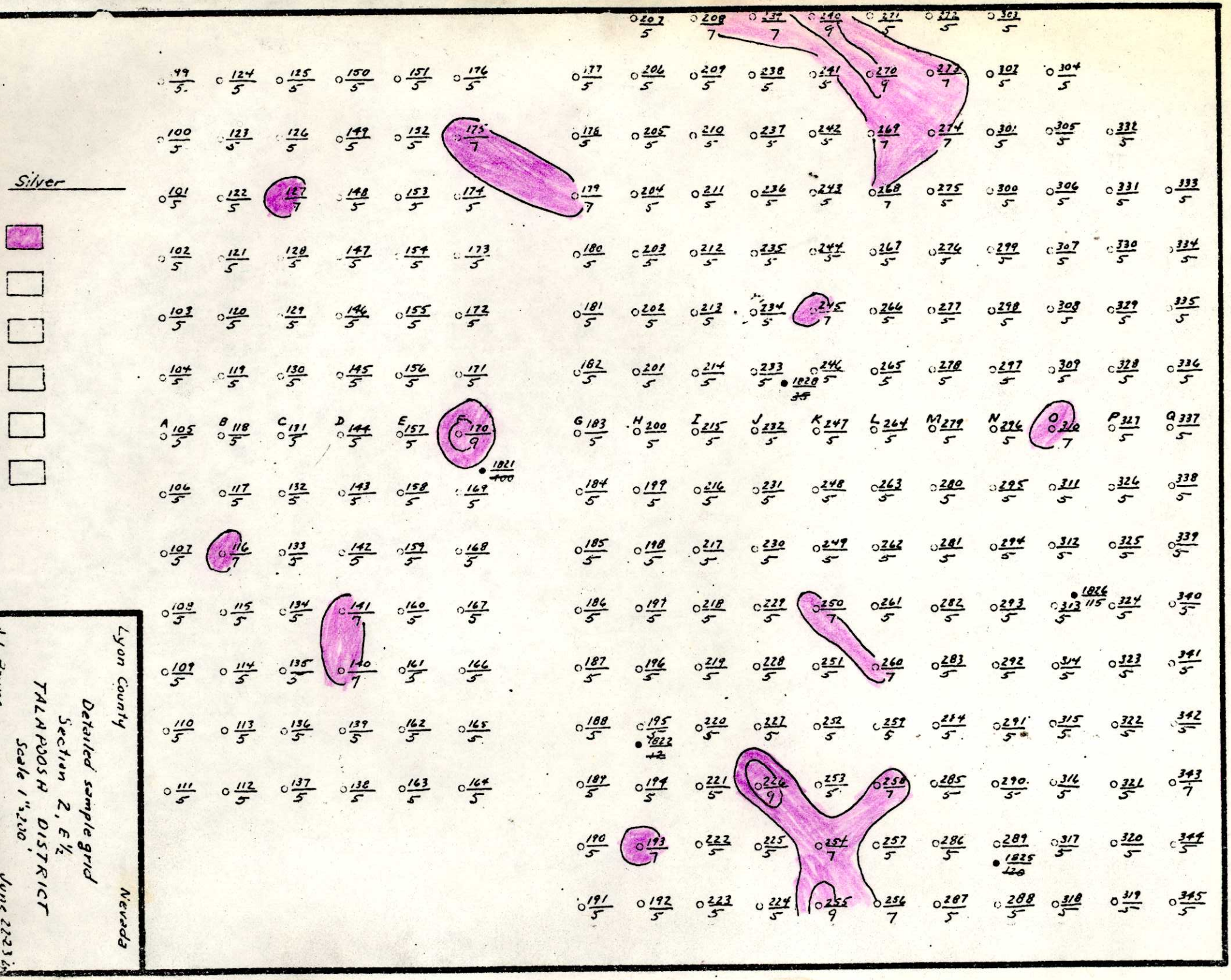
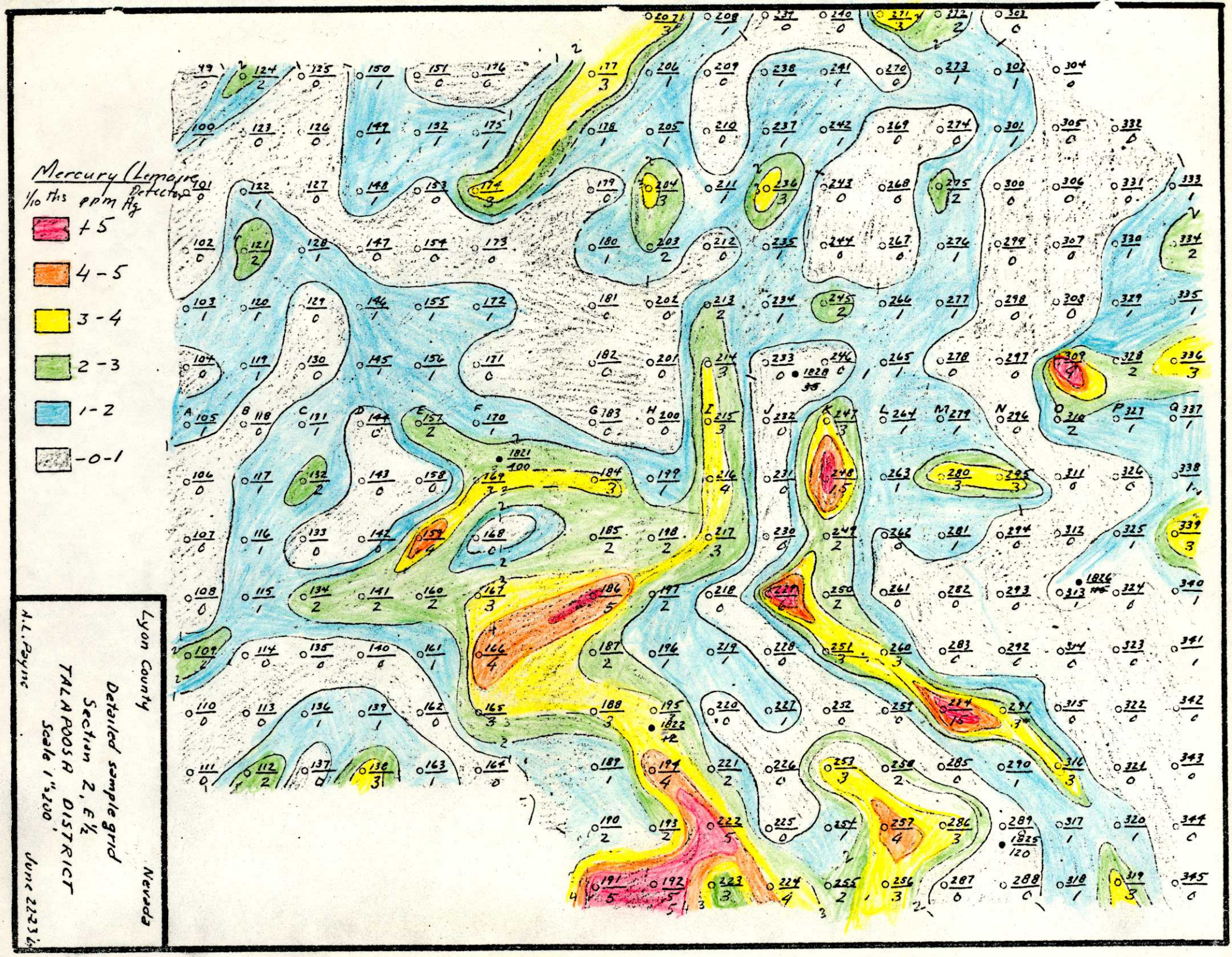
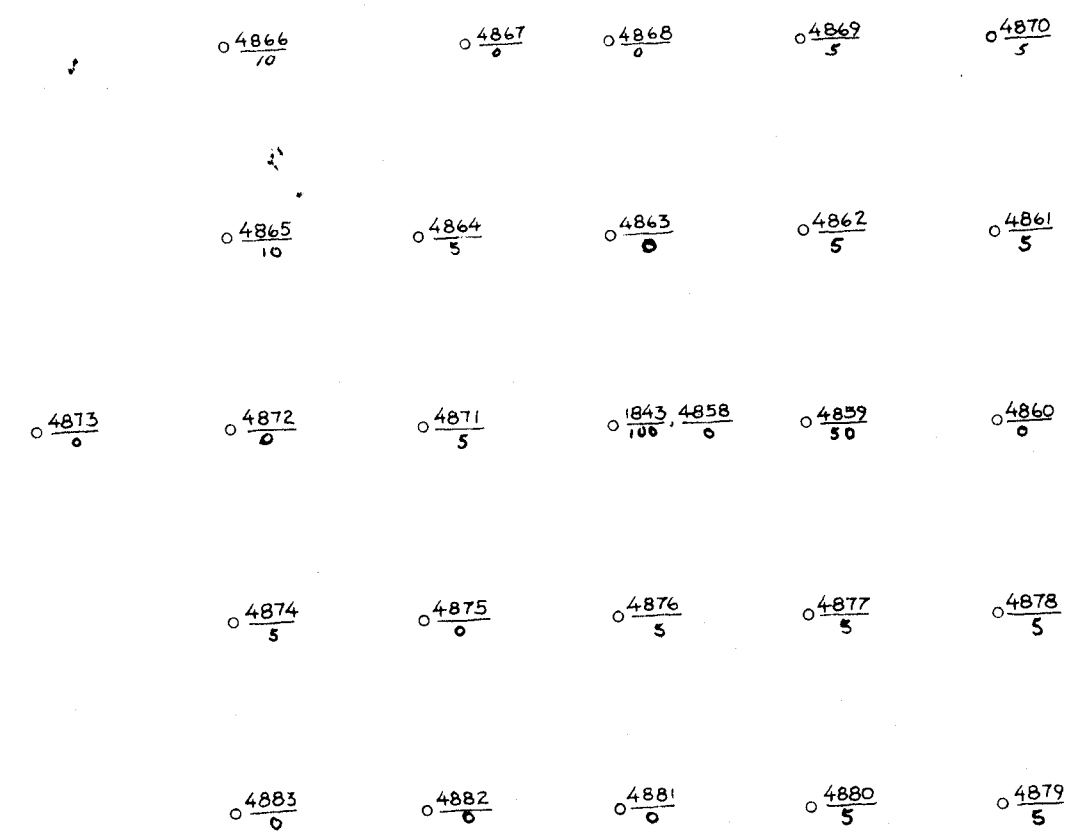

Lyon County
Nevada
Detailed sample grid
Section 2, E½
TALAPOOSA DISTRICT
Scale 1"=200'
June 22-23 '64
A.L. Payne

Figure 9


Silver
Lyon County
Nevada
Detailed sample grid
Section 2, E½
TALAPOOSA DISTRICT
Scale 1"=200'
H.L. Payne
June 22-23 '6


Mercury (Lemaire Detector)
1/10 ths ppm Hg
+5
4-5
3-4
2-3
1-2
-0-1
Lyon County
Nevada
Detailed sample grid
Section 2, E½
TALAPOOSA DISTRICT
Scale 1" = 200'
June 22, 23, 24
H.L. Payne



Arsenic

- > 400
- 300 - 400
- 200 - 300
- 100 - 200
- 50 - 100
- 0 - 50

Lyon County, Nevada

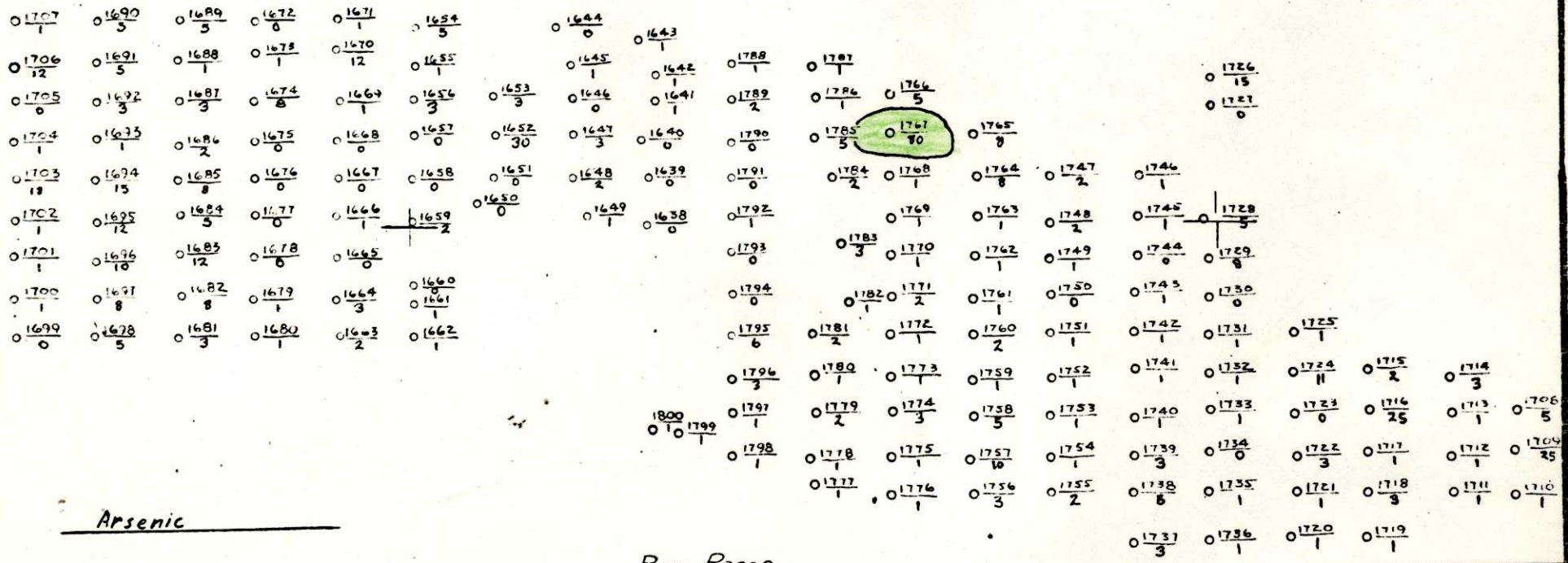
DETAILED SOIL SAMPLE
TALAPOOSA MINING
DISTRICT - AROUND
RECON. SAMPLE 1843.

Scale: 1" = 100'

6:IX:64

Sampled: 20:VIII:64

by: R. A. Hughes



Arsenic

Ppm Range

- 300-400
- 200-300
- 100-200
- 50-100
- 0-50

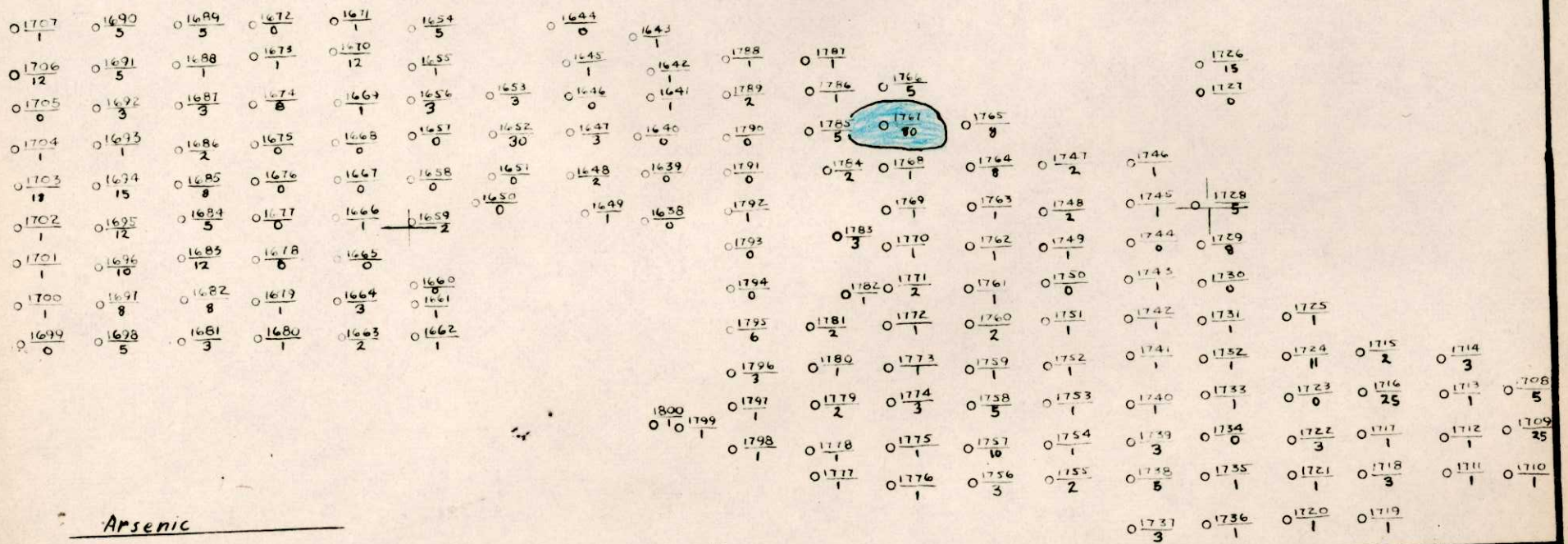
Lyon County Nevada

SOIL SAMPLE OVERLAY

T-R AREA

Scale 1" = 2000'

1 VI 64 Sampled by R Hughes



Arsenic

Ppm Range

- 300-400
- 200-300
- 100-200
- 50 100
- 0-50

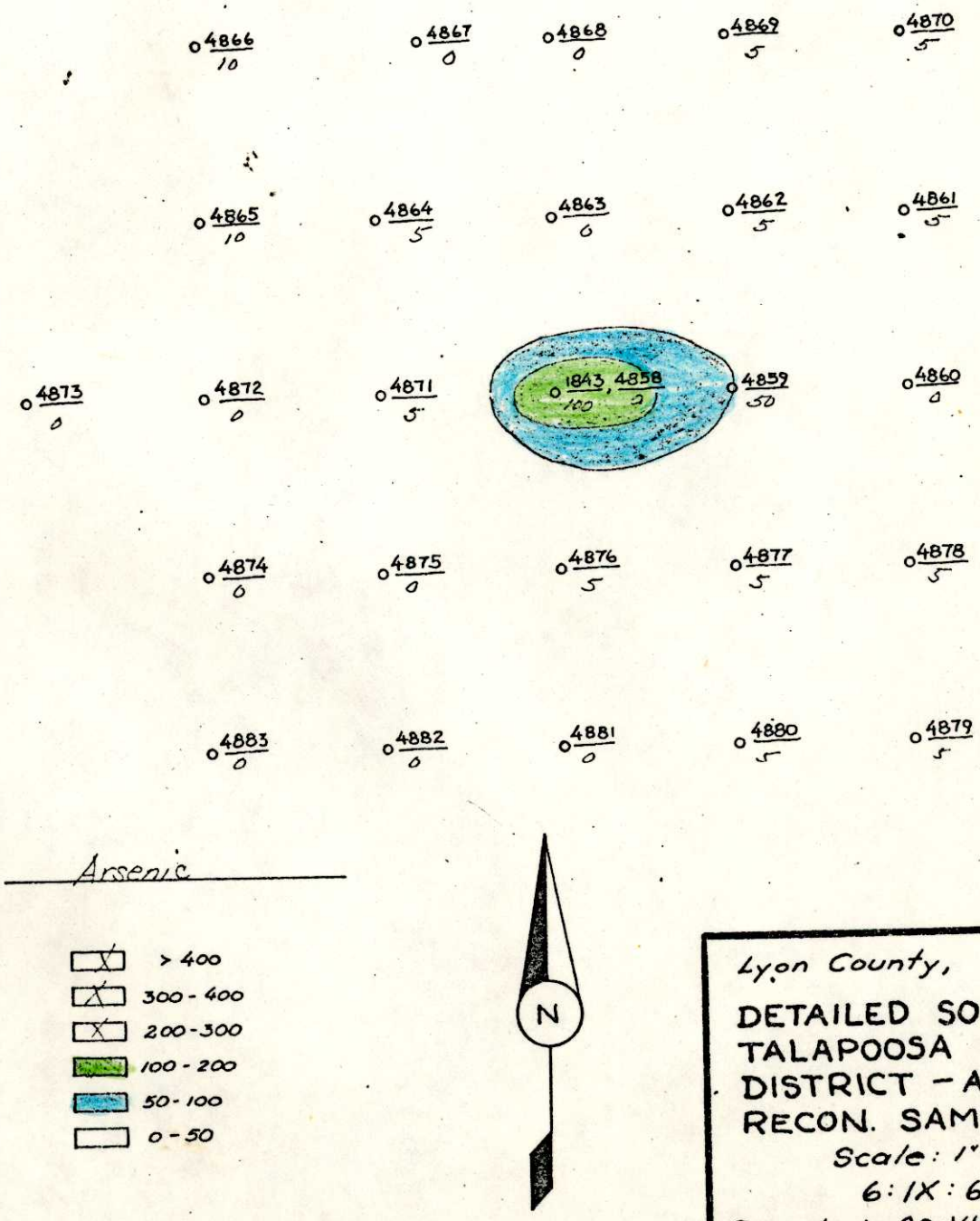
Lyon County Nevada

SOIL SAMPLE OVERLAY

T-R AREA

Scale 1" = 2000'

1 VI 64 Sampled by R Hughes



Lyon County, Nevada

DETAILED SOIL SAMPLE
TALAPOOSA MINING
DISTRICT - AROUND
RECON. SAMPLE 1843.

Scale: 1" = 100'

6:IX:64

Sampled: 20:VIII:64

by: R. A. Hughes

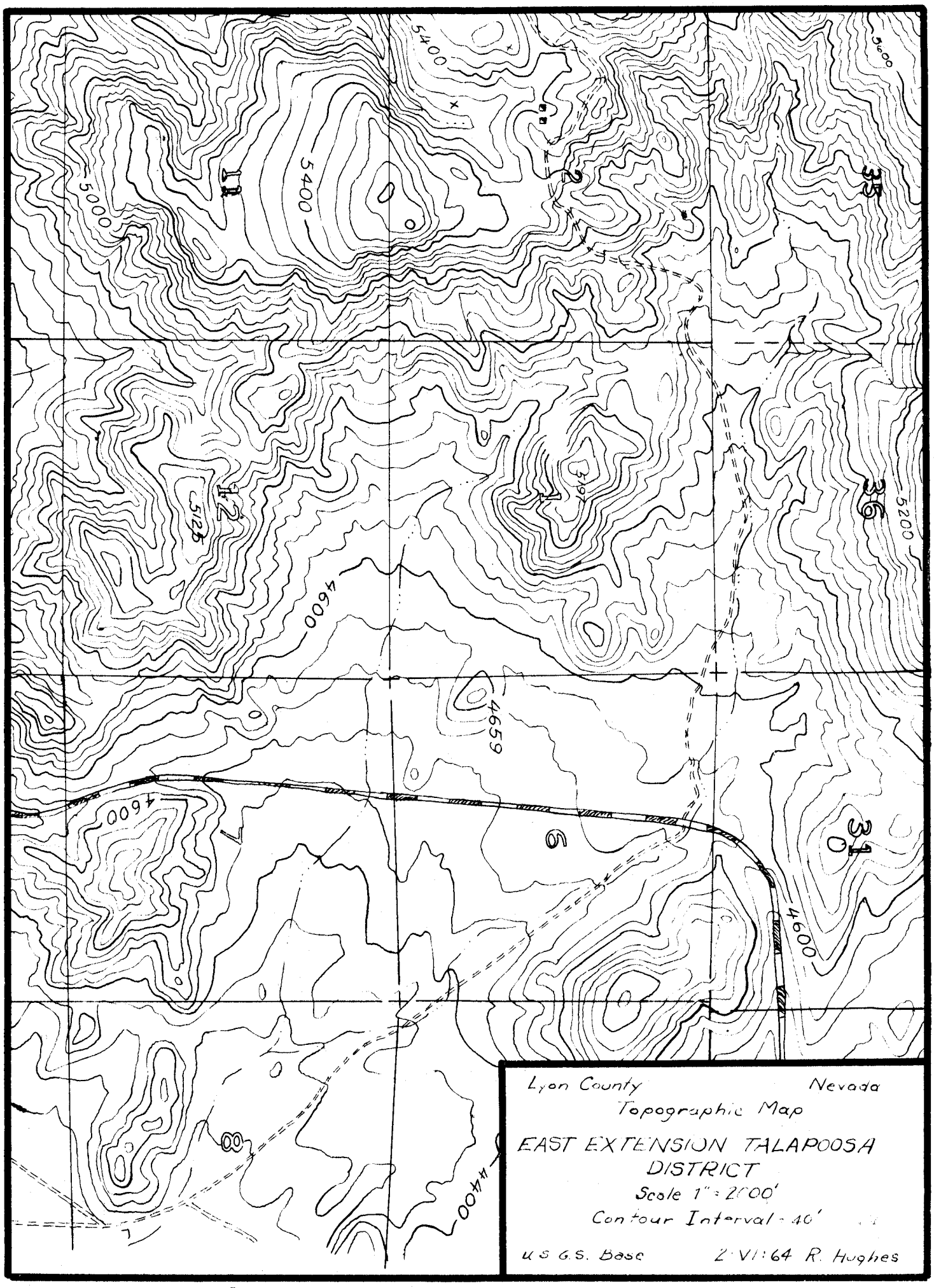

R. 24 E.
R. 25 E.
T. 18 N.
T. 19 N.
5400
5400
5000
5600
5200
4600
4600
4600
4959
5124
4400
36
31
6
1
12
Lyon County
Nevada
Topographic Map
EAST EXTENSION TALAPOOSA DISTRICT
Scale 1" = 2000'
Contour Interval - 40'
U.S.G.S. Base
2 VI 64 R. Hughes

Figure 7a

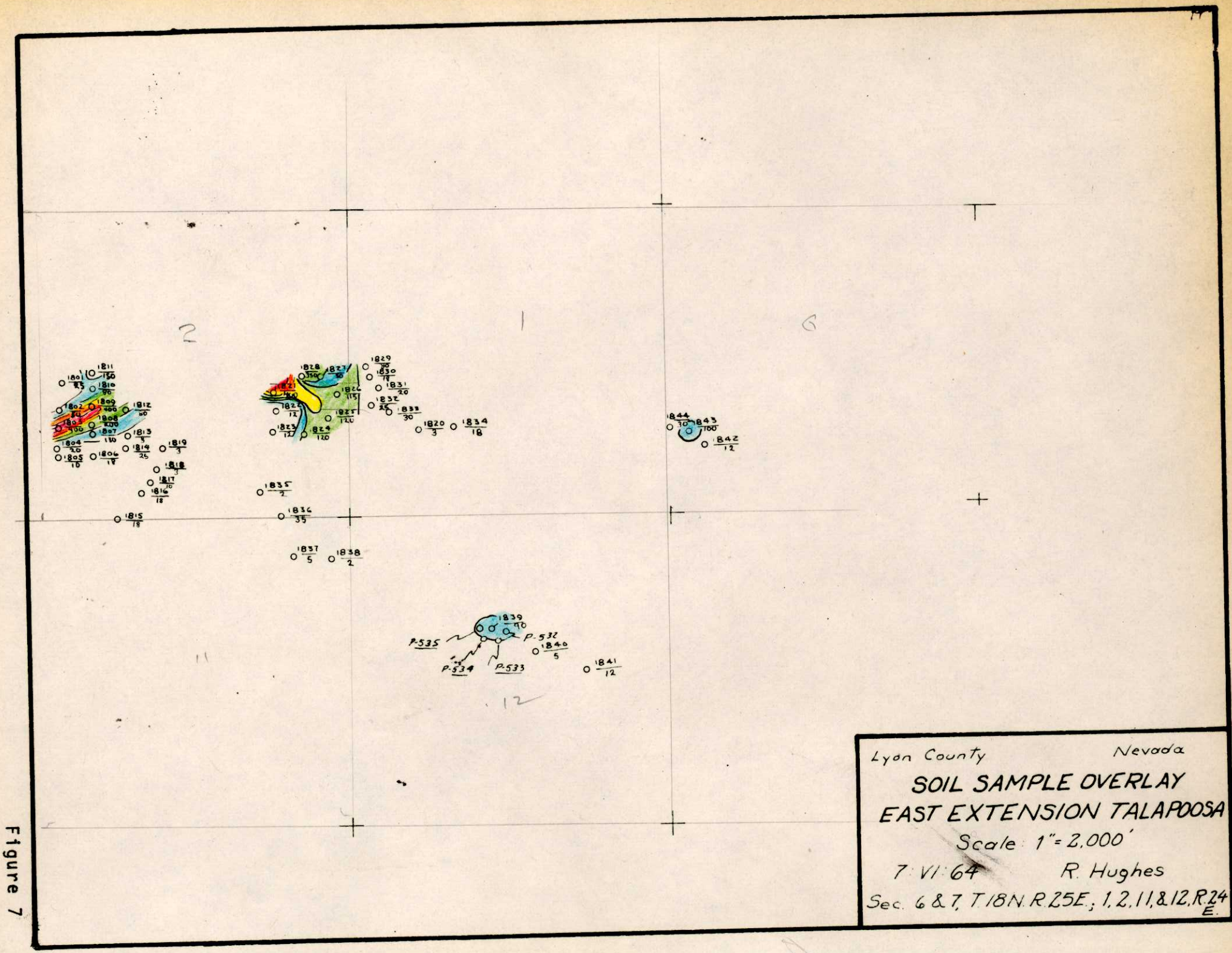
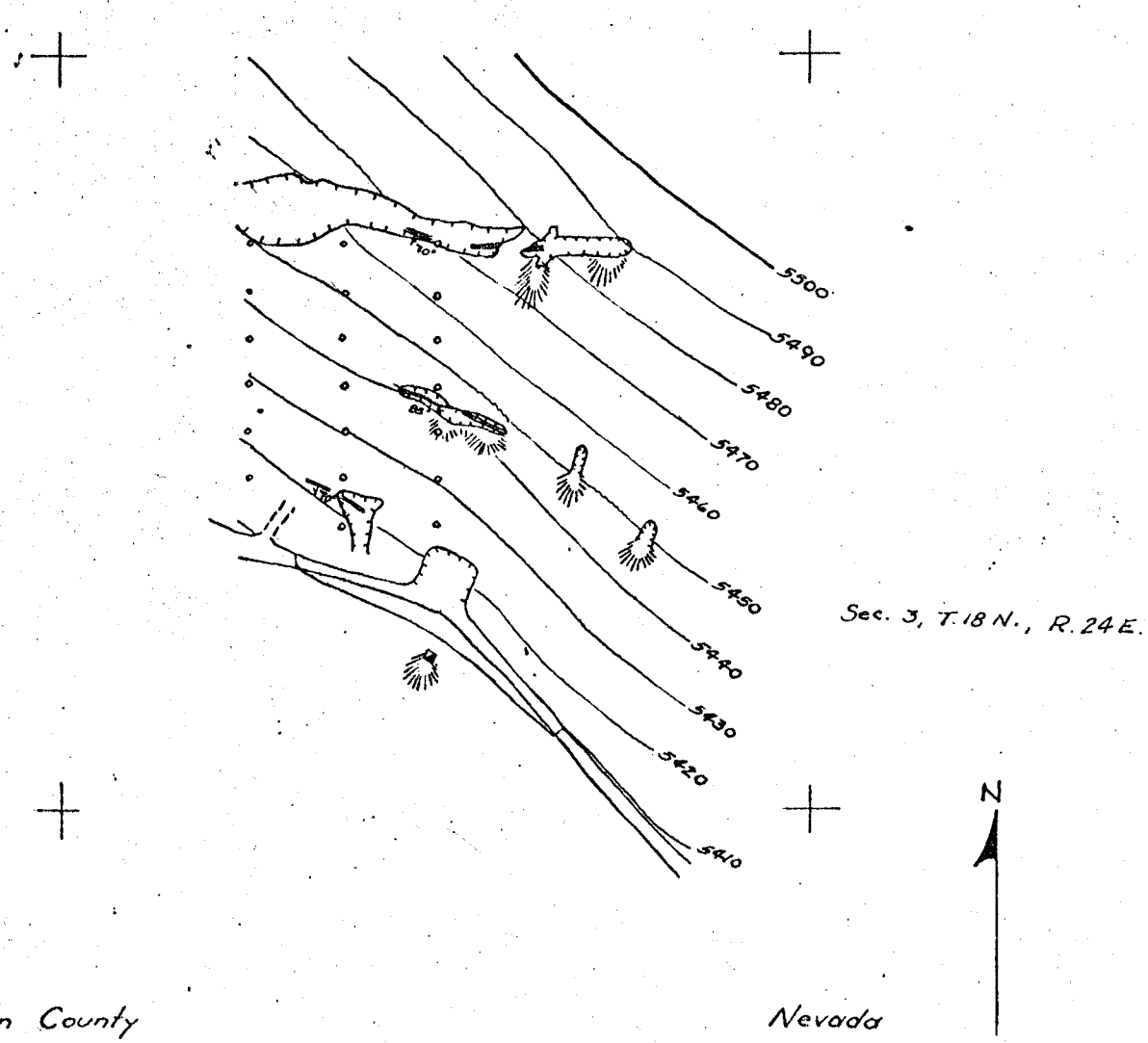

Lyon County
Nevada
SOIL SAMPLE OVERLAY
EAST EXTENSION TALAPOOSA
Scale: 1" = 2,000'
7 VI 64
R. Hughes
Sec. 6 & 7, T.18N. R.25E.; 1, 2, 11, & 12, R.24 E.

Figure 7

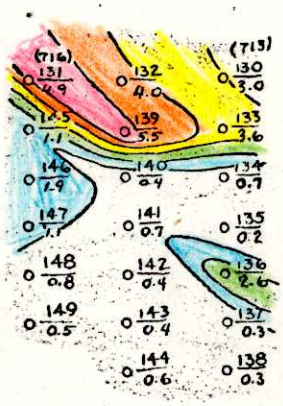


Geologic Map

CENTRAL AREA OF TALAPOOSA MINE

Scale 1" = 100'

Contour Interval = 10'



Range

- 5.0 - 6.0
- 4.0 - 5.0
- 3.0 - 4.0
- 2.0 - 3.0
- 1.0 - 2.0
- 0.0 - 1.0

Silver, Oz/T

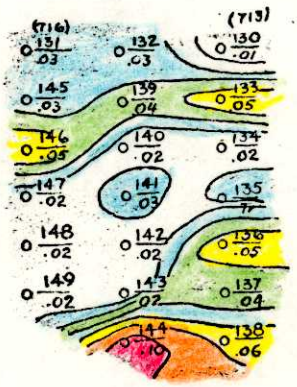
Lyon County

Nevada

Soil Sample Overlay

CENTRAL AREA OF TALAPOOSA MINE

Scale 1" = 100'



Range

- 0.09 - 0.10
- 0.06 - 0.09
- 0.05 - 0.06
- 0.04 - 0.05
- 0.03 - 0.04
- 0.02 - 0.03
- 0.01 - 0.02
- Tr - 0.01

Gold, OZ./TON

Lyon County

Nevada

Soil Sample Overlay

CENTRAL AREA OF TALAPOOSA MINE

Scale 1" = 100'

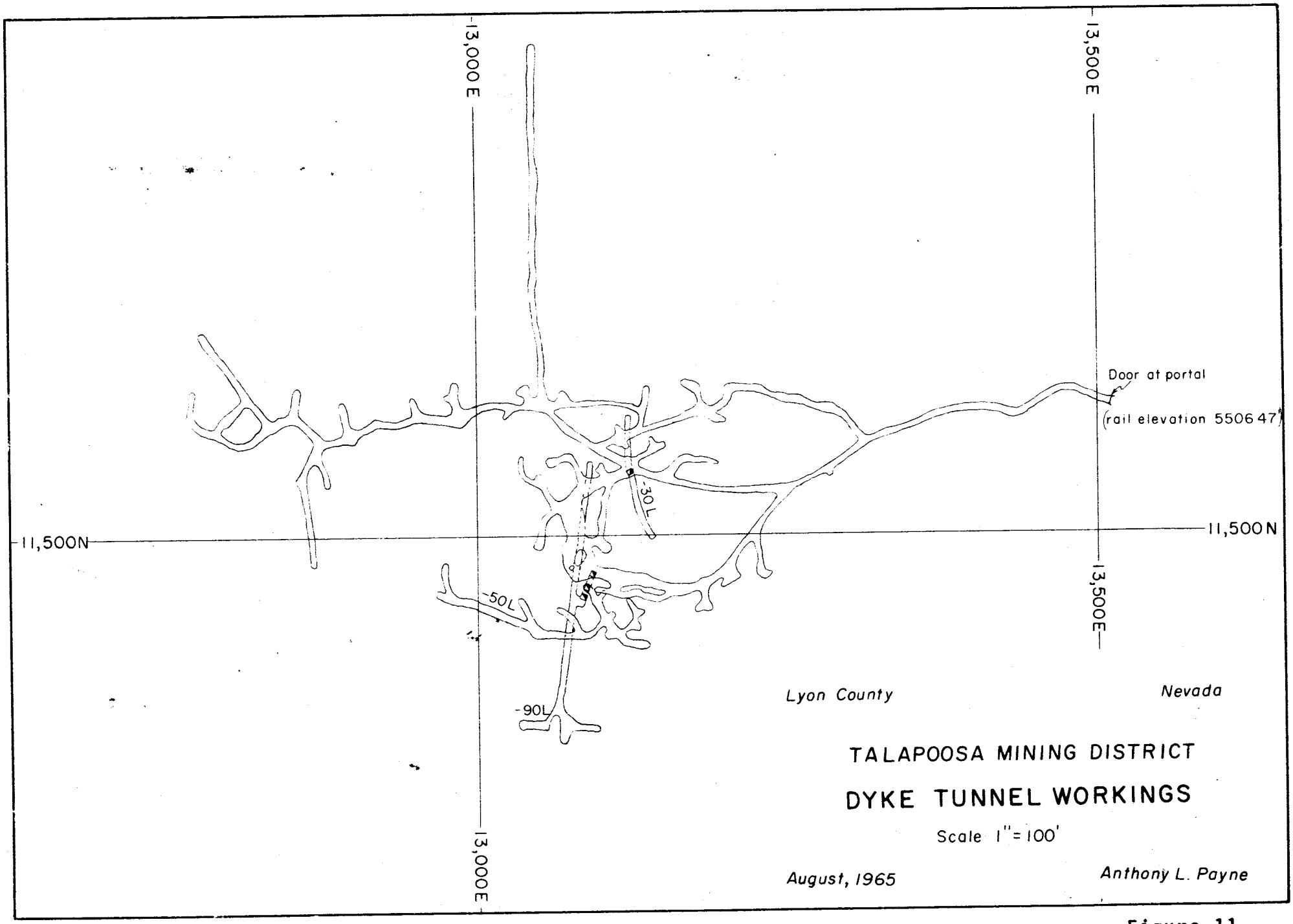
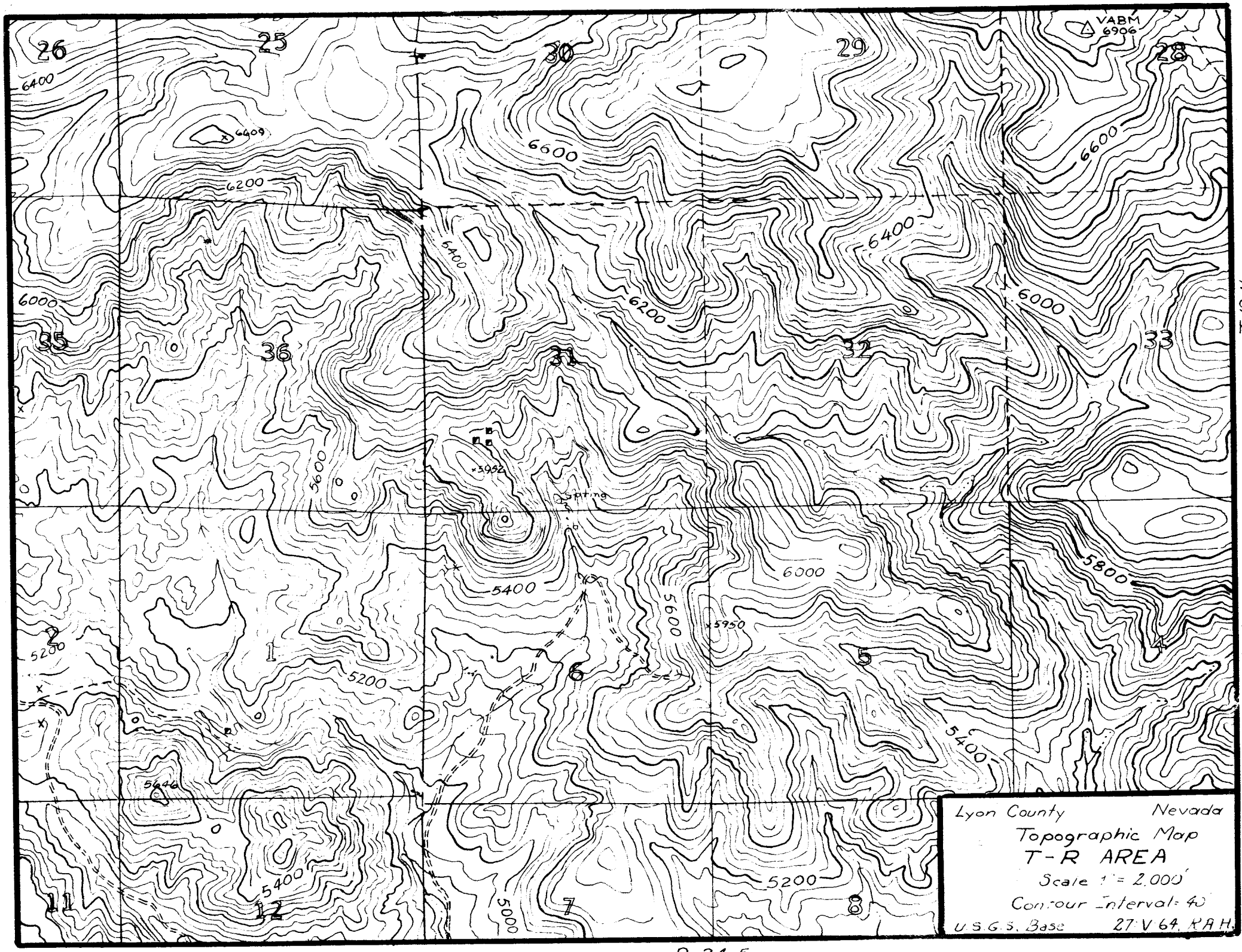

13,000 E
13,500 E
Door at portal
(rail elevation 5506 47')
-30 L
11,500N
11,500 N
-50L
13,500E
Lyon County
Nevada
-90L
TALAPOOSA MINING DISTRICT
DYKE TUNNEL WORKINGS
Scale 1" = 100'
13,000E
August, 1965
Anthony L. Payne

Figure 11


Lyon County Nevada
Topographic Map
T-R AREA
Scale 1" = 2,000'
Contour Interval = 40'
U.S.G.S. Base 27 V 64 R.A.H.
VABM 6906
6409
6400
6600
6200
6000
5800
5600
5400
5200
5000
5646
3952
5950
Spring
26
25
30
29
28
35
36
31
32
33
2
1
6
5
4
11
12
7
8
R. 23 E.
R. 24 E

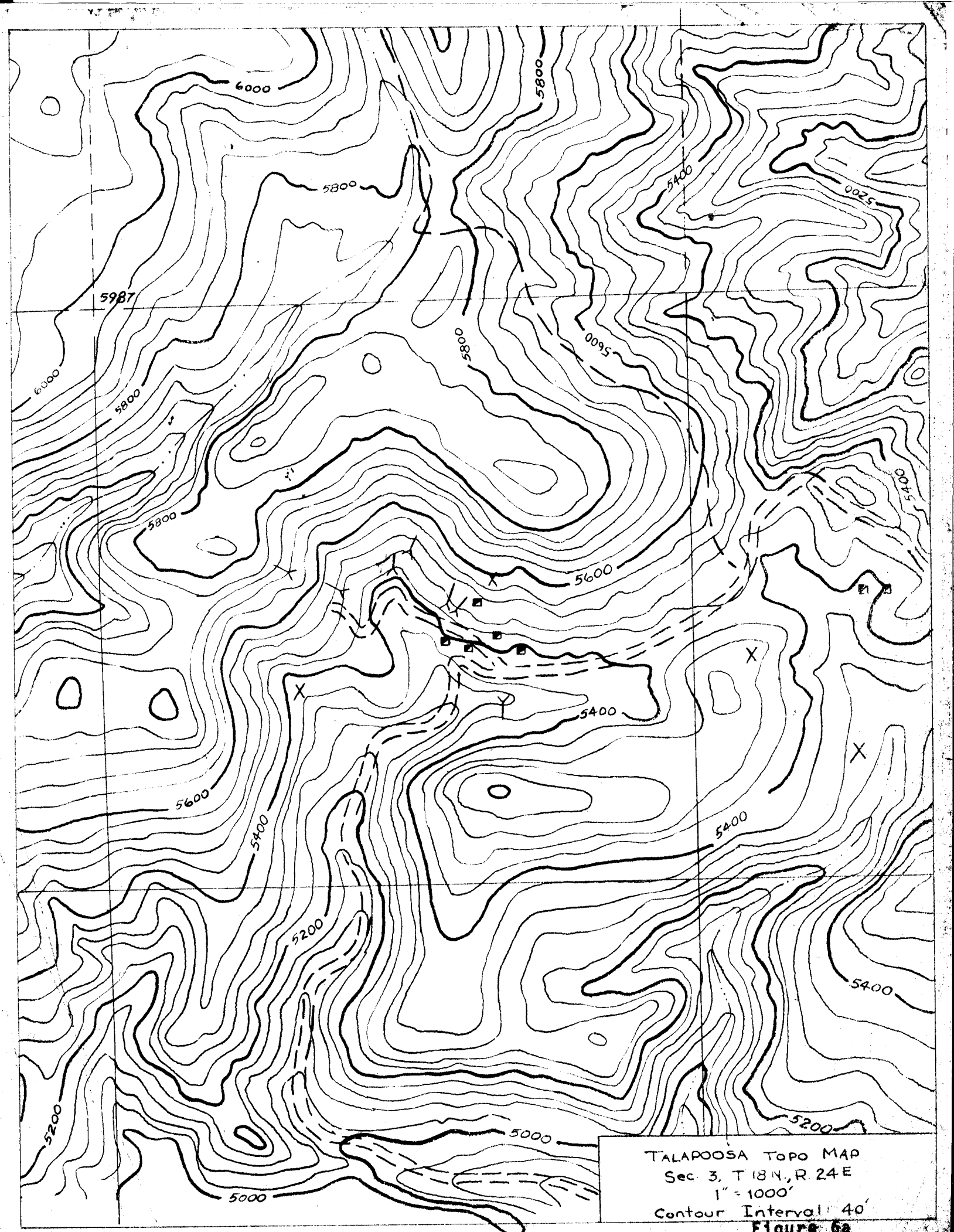

6000
5800
5987
5600
5400
5200
5000
TALAPOOSA TOPO MAP
Sec. 3, T 18 N., R. 24 E
1" = 1000'
Contour Interval: 40'

Figure 6a

Arsenic, ppm

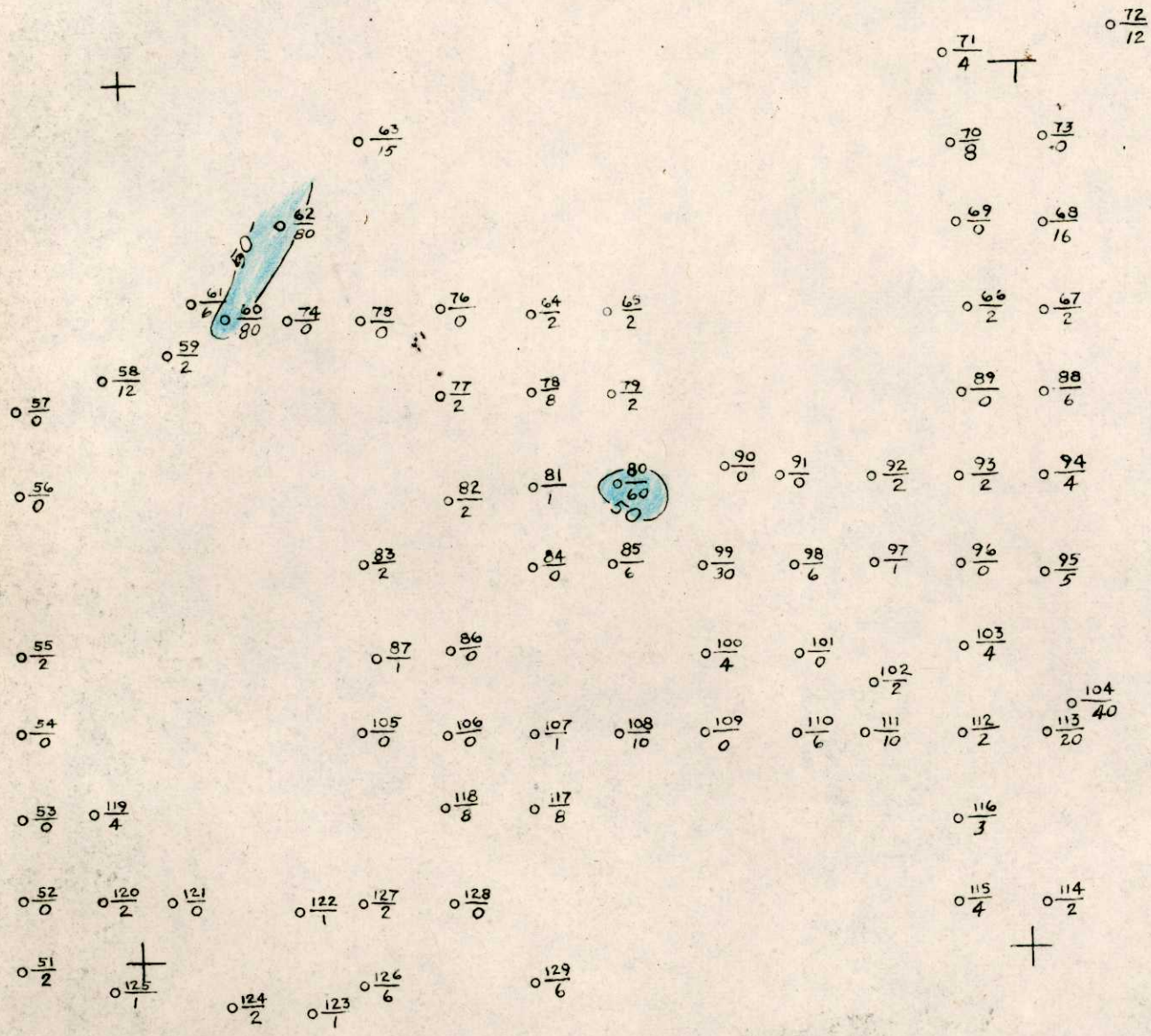
Lyon County Nevada

RECONNAISSANCE
SOIL SAMPLE OVERLAY

TALAPOOSA MINING DISTRICT

Scale: 1" = 1000'

March 4 & 5, 1964. Sample by: Richard A. Hughes



Arsenic, ppm

Lyon County Nevada

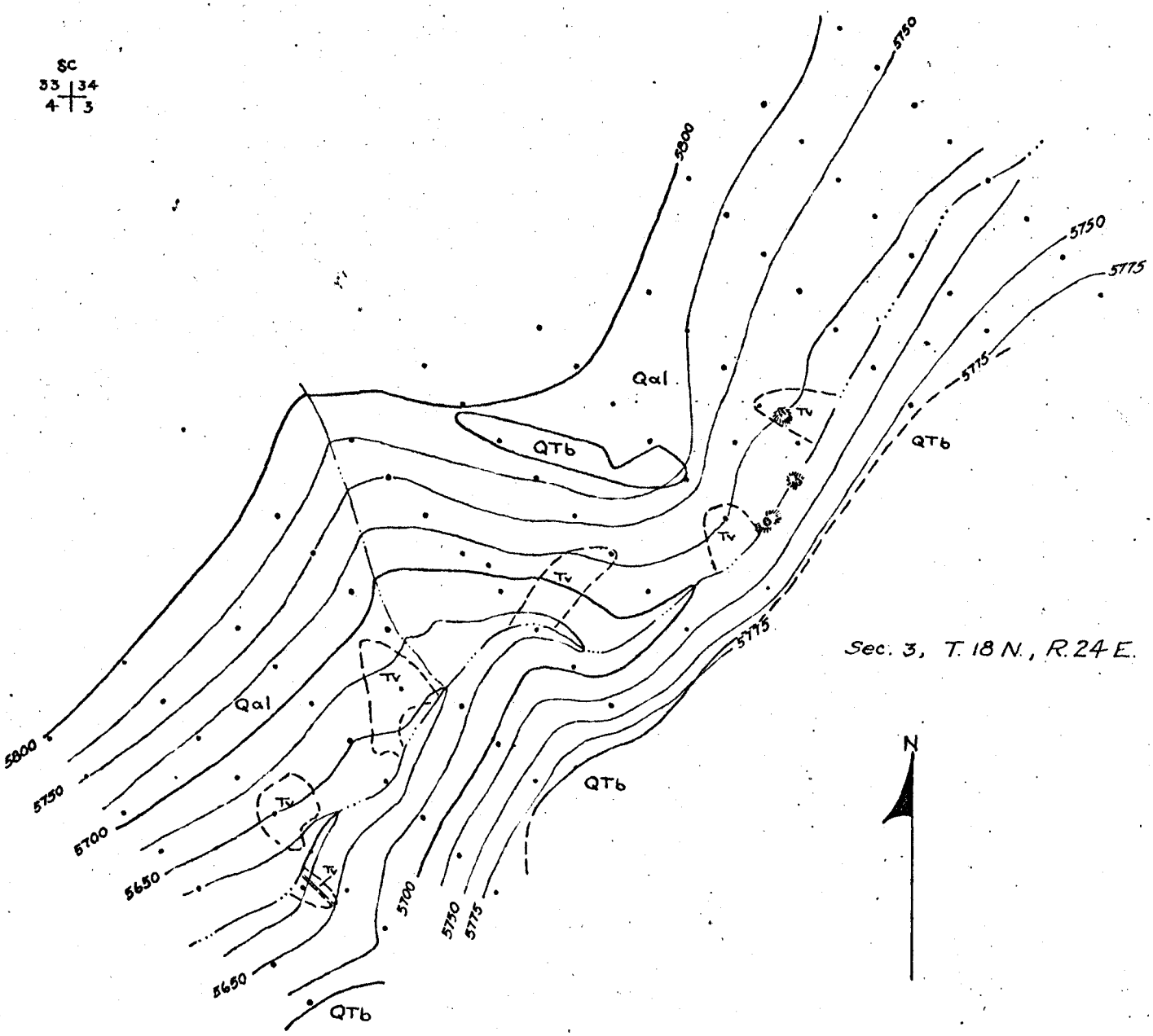
RECONNAISSANCE
SOIL SAMPLE OVERLAY

TALAPOOSA MINING DISTRICT

Scale: 1" = 1000'

March 4 & 5, 1964 Sample by: Richard A. Hughes

Figure 6



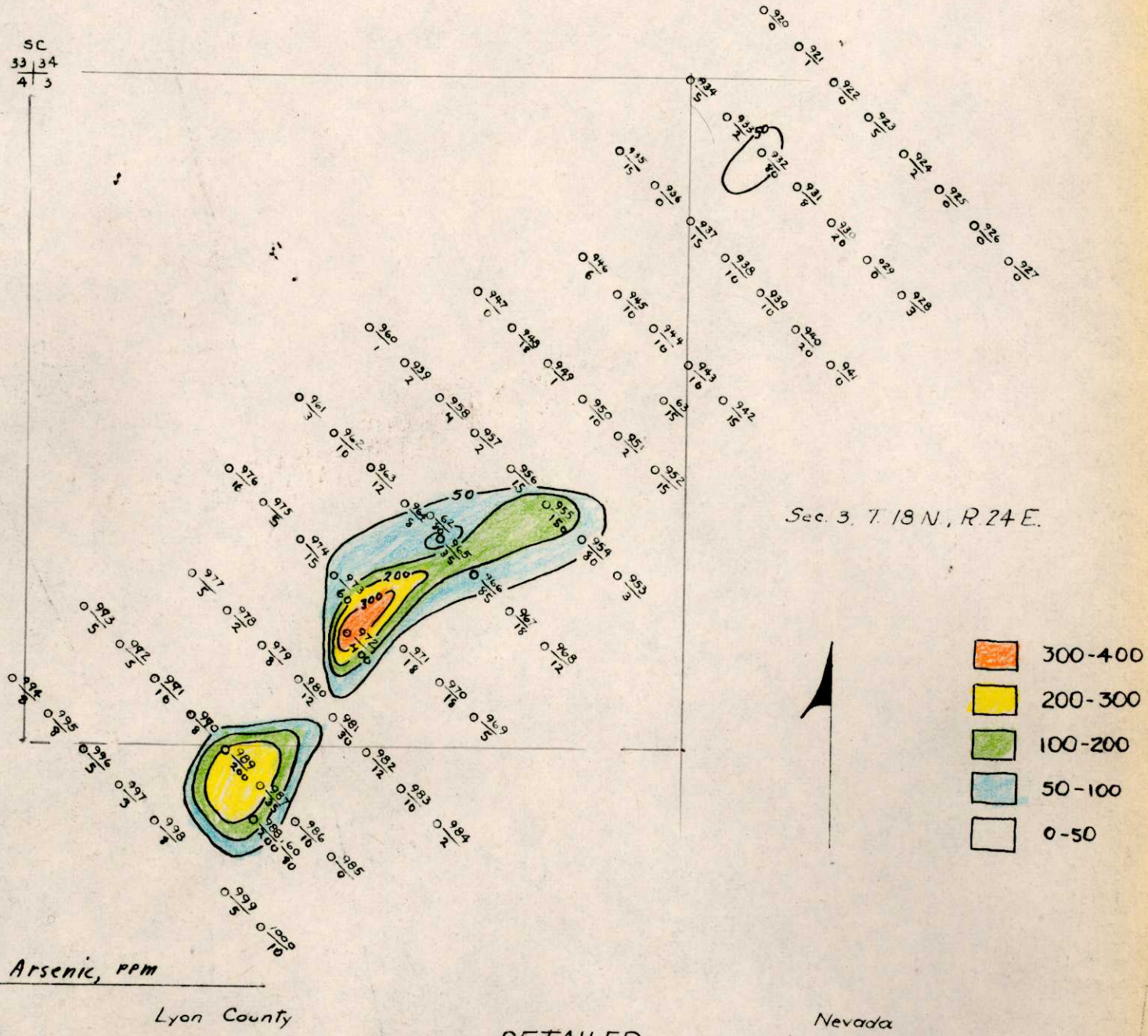
Lyon County Nevada

Geologic Map
NORTHWEST CORNER
TALAPOOSA MINING DISTRICT

Scale 1" = 300'

100 0 200 400 600 800

Mapped by R. A. Hughes April 20, 21, 1964

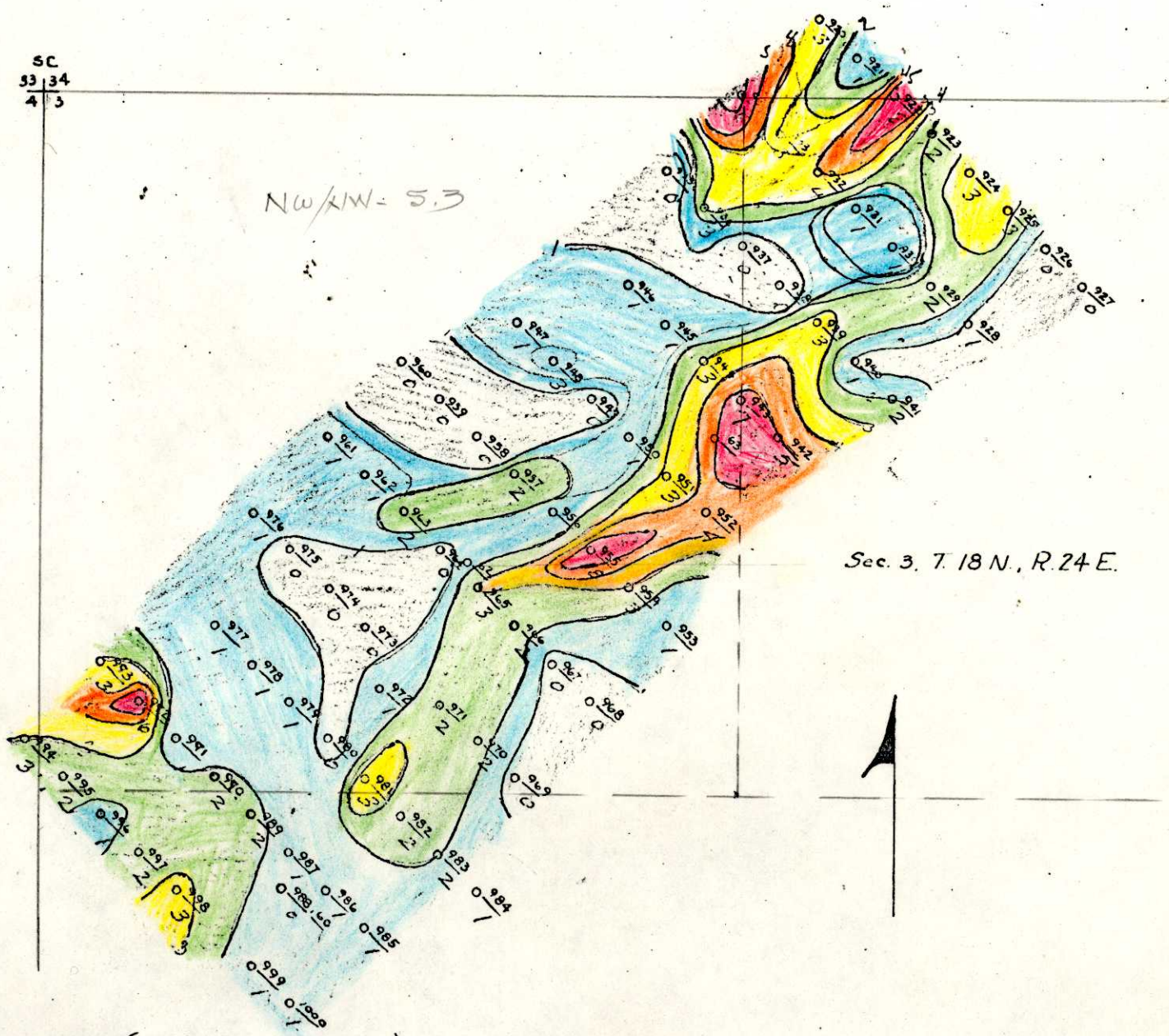


DETAILED
SOIL SAMPLE OVERLAY
TALAPOOSA MINING DISTRICT
Scale 1" = 300'

April 21, 1964

Sampled by R. Hughes

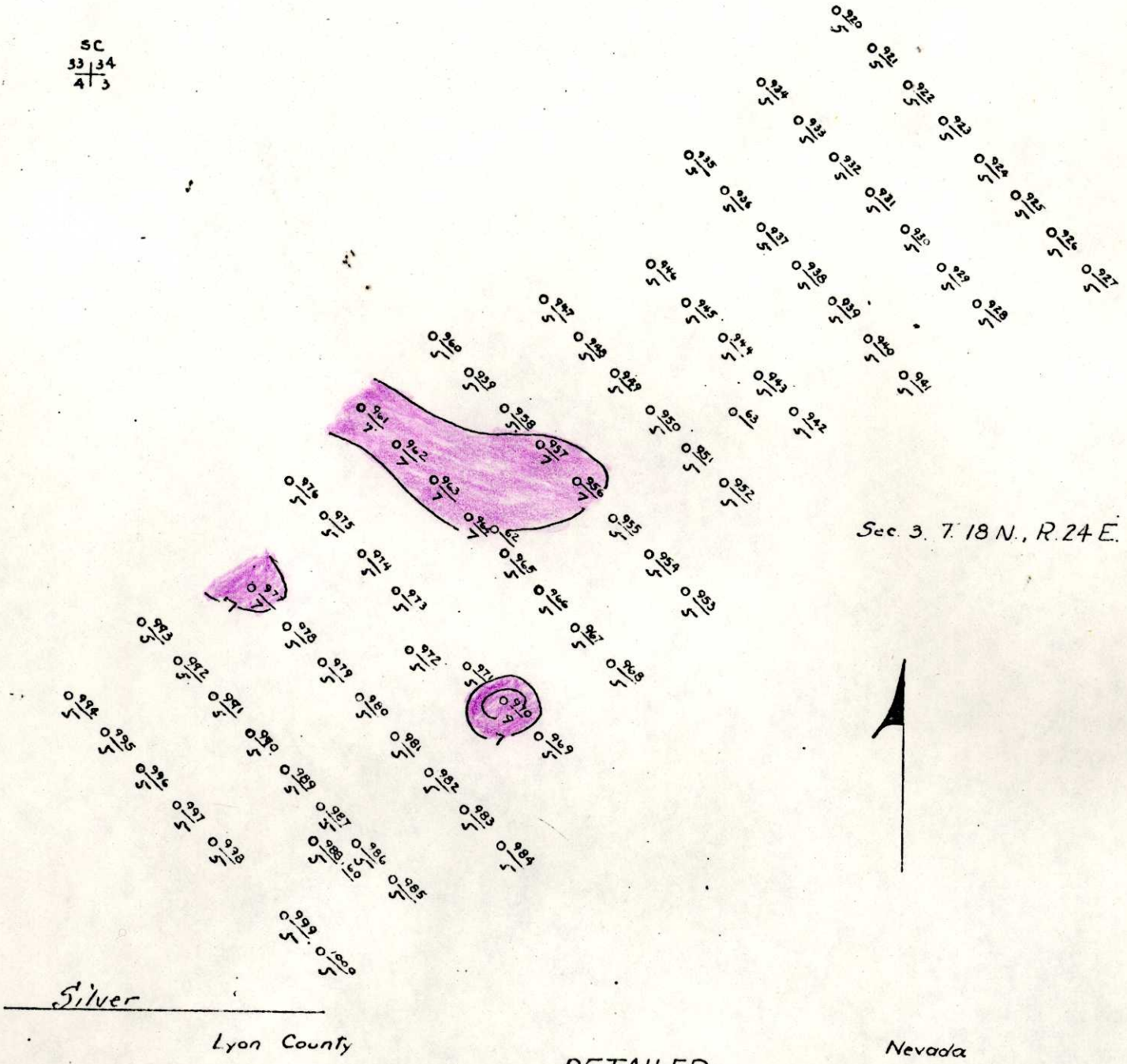
Figure 8



Mercury (Lemaire Detector)
1/10 Ths ppm Hg Lyon County Nevada

DETAILED
SOIL SAMPLE OVERLAY
TALAPOOSA MINING DISTRICT
Scale 1" = 300'

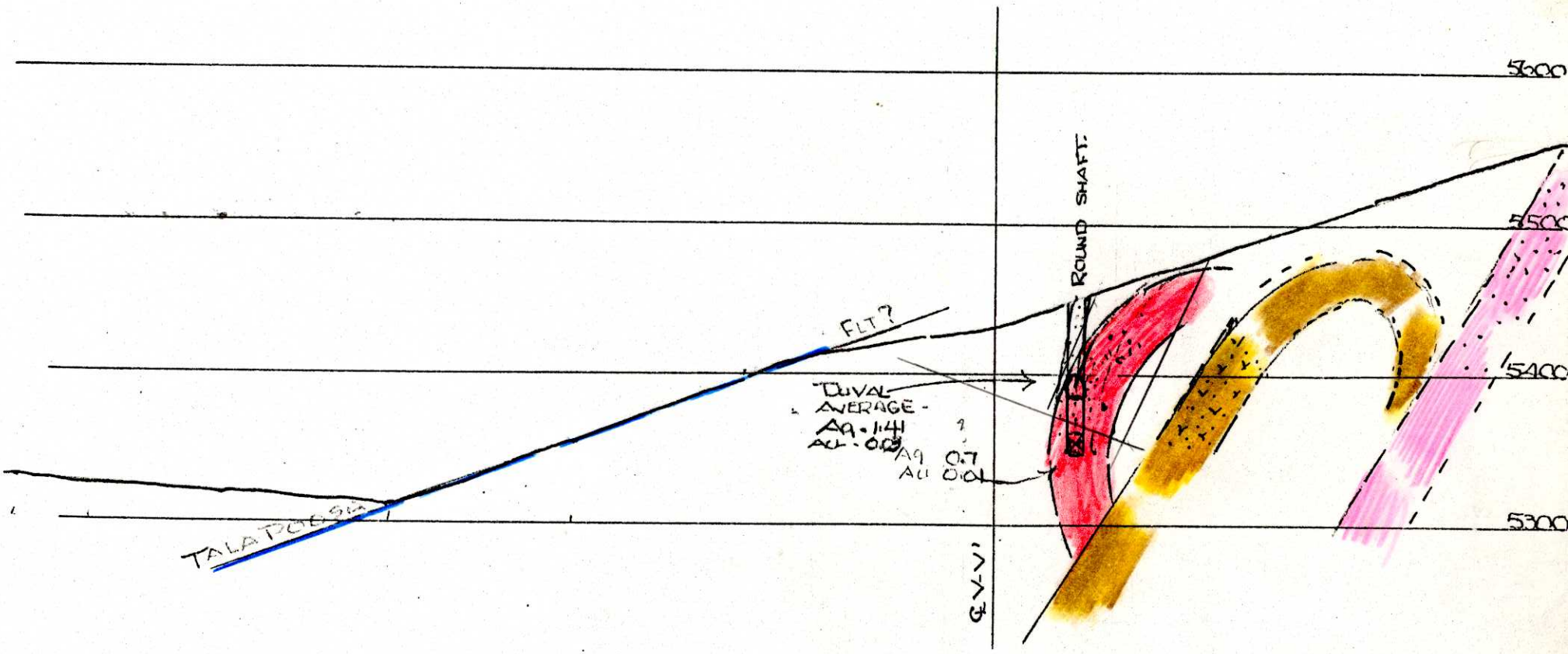
April 21, 1964 Sampled by R. Hughes



DETAILED
SOIL SAMPLE OVERLAY
TALAPOOSA MINING DISTRICT
Scale 1" = 300'

April 21, 1964

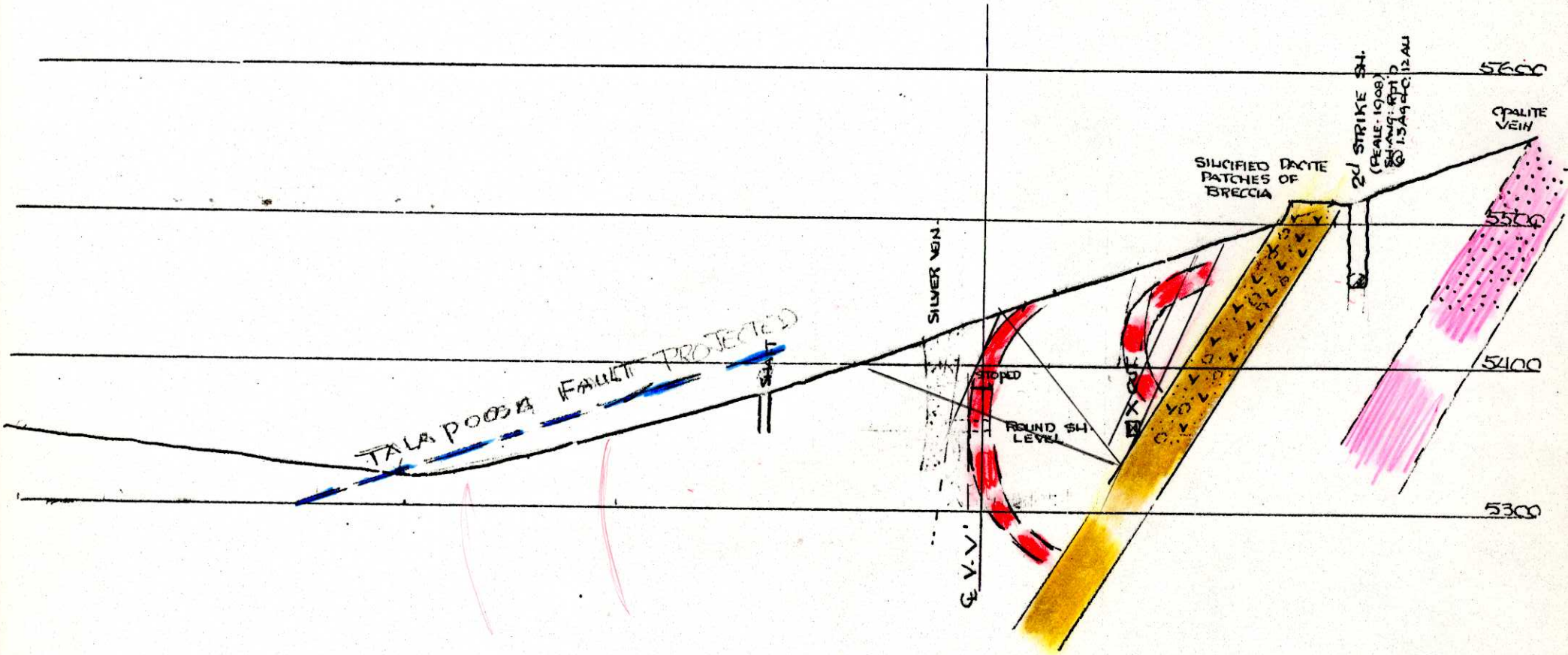
Sampled by R. Hughes


5600
5500
5400
5300
ROUND SHAFT
FLT?
DUVAL
AVERAGE -
Ag. 1.41
Au. 0.0
Ag 0.7
Au 0.01
TALAPOOSA
℄ V-V'

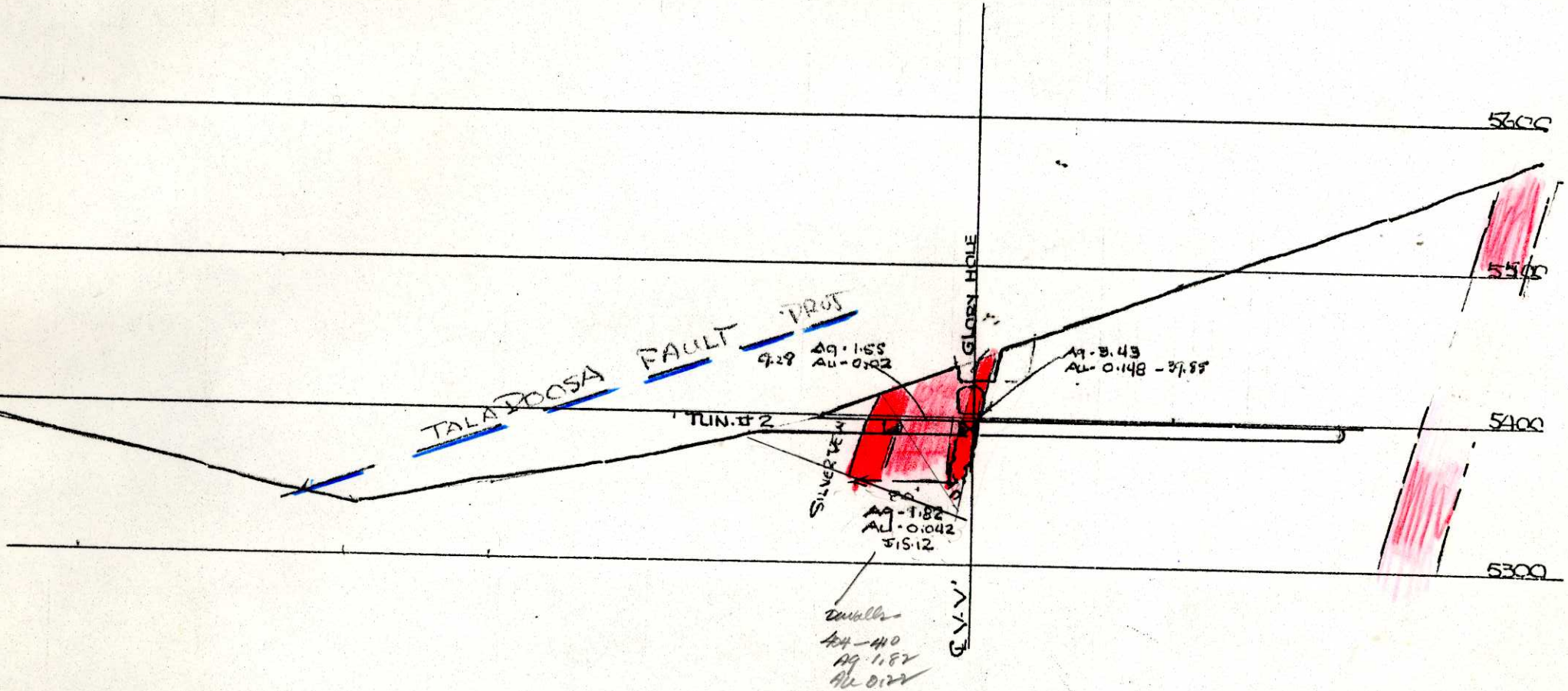
DLE 1971

7.7

CIRCLE 64 LEV.
SILVER VEIN
TUN. 1
TUN. 2
GLORY HOLE
HOLE-OUT SCOT
BRECCIA ZONE
Z
Y
X
W

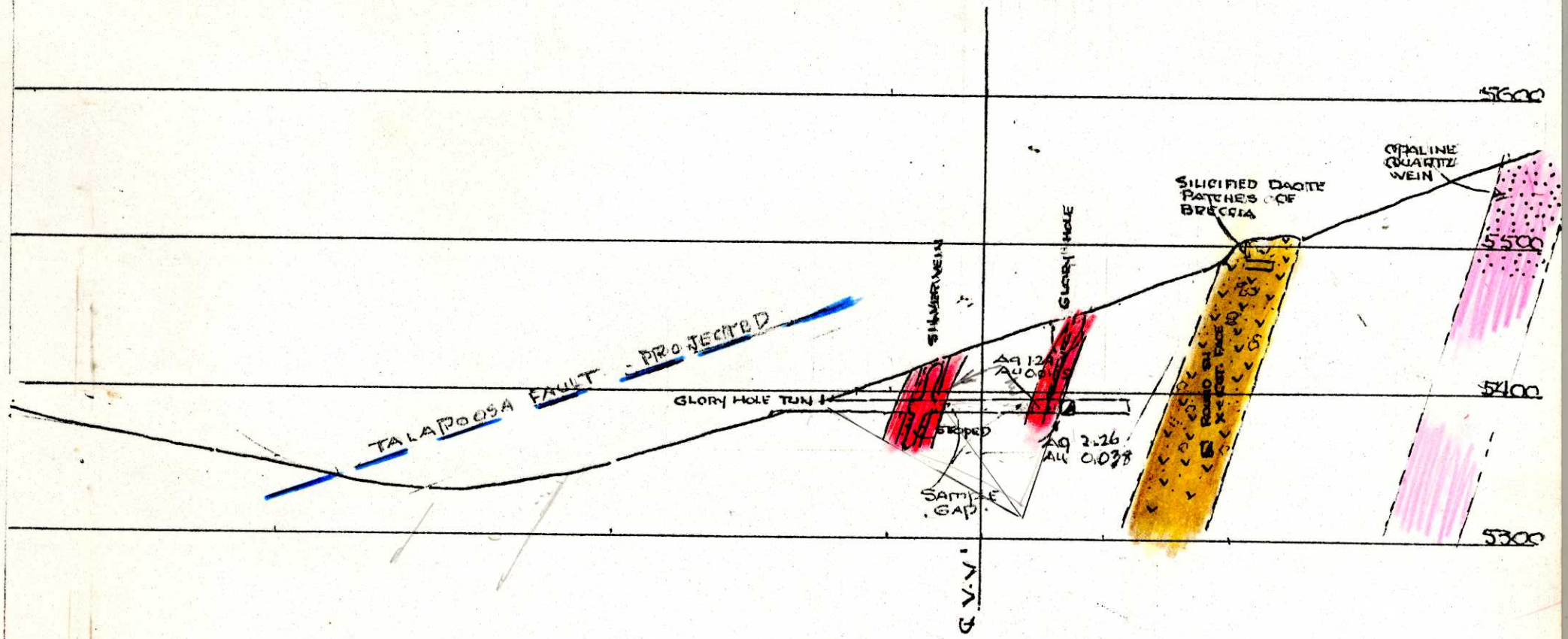

5600
5500
5400
5300
OPALITE VEIN
SILICIFIED DACITE PATCHES OF BRECCIA
2d STRIKE SH.
(SCALE: 1908)
SHAFT: 4TH
@ 1.5 Ag 0.12 Au
SILVER VEIN
STOPED
ROUND SH LEVEL
TALAPOOSA FAULT PROJECTED
Y-Y'

HE 1975


5600
5500
5400
5300
TALADOOSA FAULT
TRUE
9.29
Ag - 1.55
Au - 0.02
TUN. #2
SILVER VIEW
GLORY HOLE
Ag - 3.43
Au - 0.148 - 37.85
Ag - 1.82
Au - 0.042
#15.12
G.V.V.

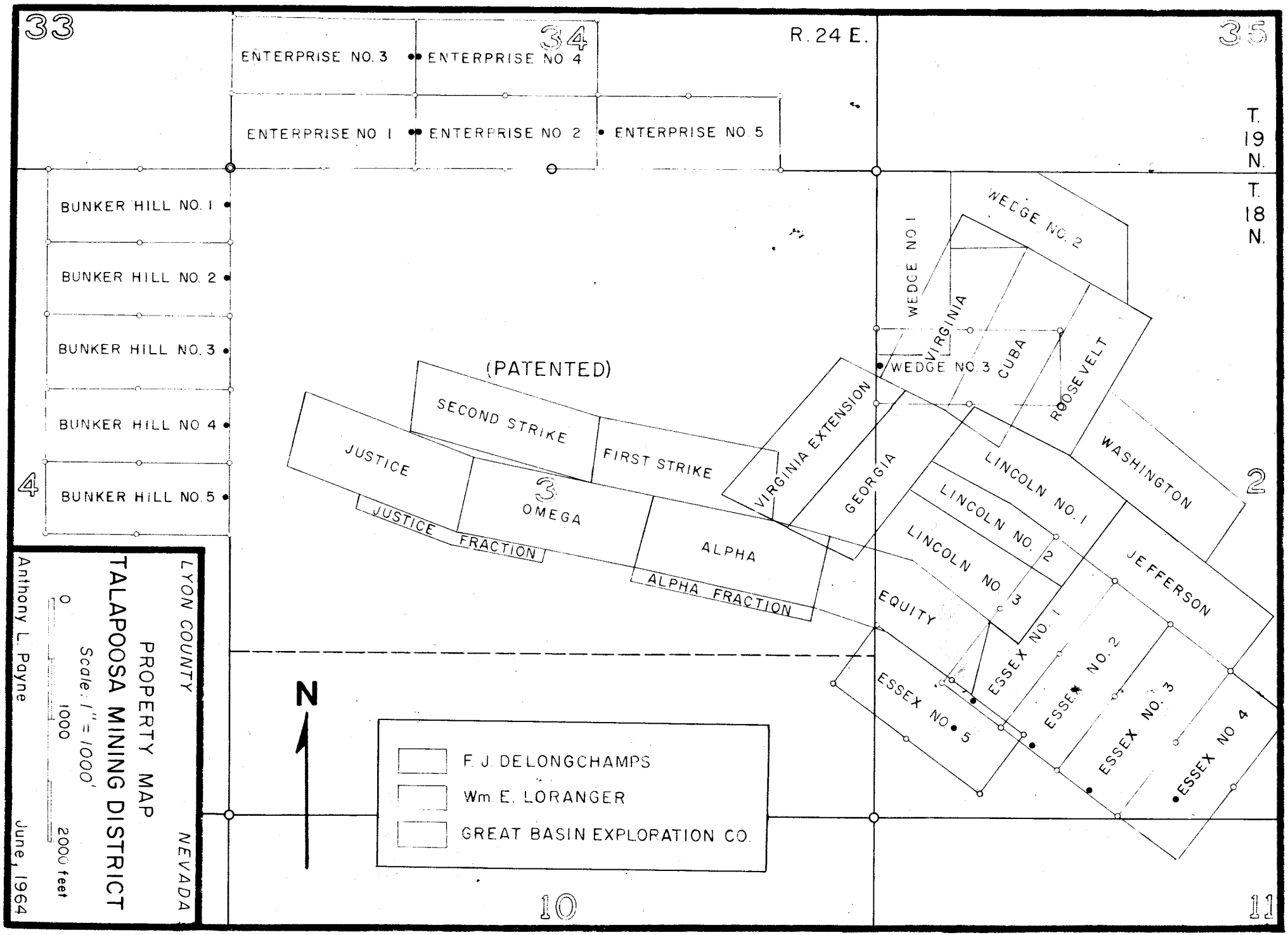
JE 1971

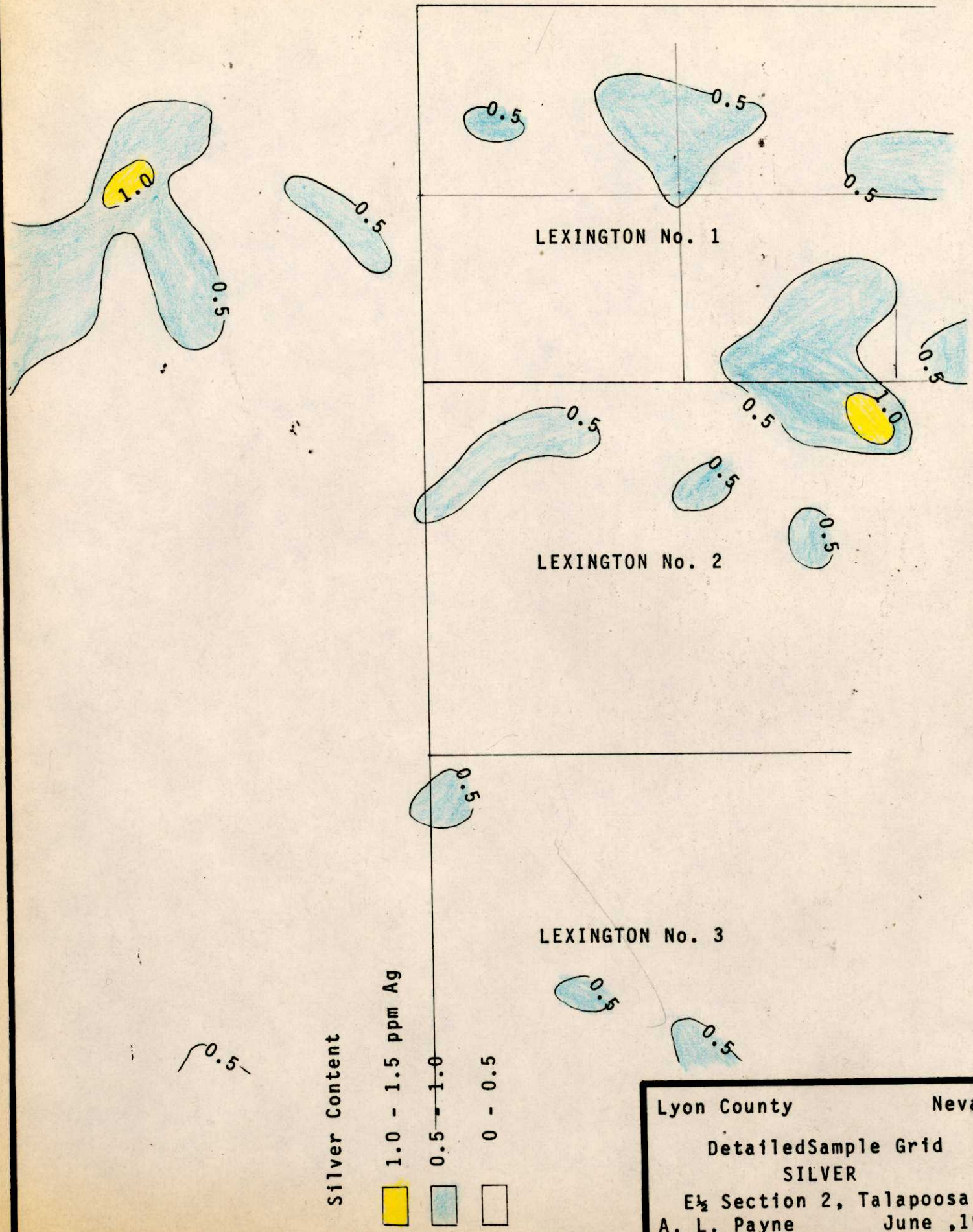
X-X'


5600
5500
5400
5300
TALAPOOSA FAULT - PROJECTED
SILVER VEIN
GLORY HOLE
GLORY HOLE TUNNEL
STOPED
SAMPLE GAP
Ag 1.24
Au 0.038
Ag 2.26
Au 0.038
SILICIFIED DACITE PATCHES OF BRECCIA
CHALINE QUARTZ VEIN
G V-V'

1975

X-X


33
34
35
R. 24 E.
T. 19 N.
T. 18 N.
ENTERPRISE NO. 3
ENTERPRISE NO 4
ENTERPRISE NO 1
ENTERPRISE NO. 2
ENTERPRISE NO. 5
BUNKER HILL NO. 1
BUNKER HILL NO. 2
BUNKER HILL NO. 3
BUNKER HILL NO 4
BUNKER HILL NO. 5
4
3
2
10
11
(PATENTED)
SECOND STRIKE
FIRST STRIKE
JUSTICE
JUSTICE FRACTION
OMEGA
ALPHA
ALPHA FRACTION
VIRGINIA EXTENSION
GEORGIA
WEDGE NO 1
WEDGE NO. 2
WEDGE NO. 3
VIRGINIA
CUBA
ROOSEVELT
WASHINGTON
LINCOLN NO. 1
LINCOLN NO. 2
LINCOLN NO 3
JEFFERSON
EQUITY
ESSEX NO. 1
ESSEX NO. 2
ESSEX NO. 3
ESSEX NO 4
ESSEX NO. 5
N
F. J. DELONGCHAMPS
Wm. E. LORANGER
GREAT BASIN EXPLORATION CO.
LYON COUNTY
NEVADA
PROPERTY MAP
TALAPOOSA MINING DISTRICT
Scale: 1" = 1000'
0
1000
2000 feet
Anthony L. Payne
June, 1964



Lyon County Nevada

DetailedSample Grid
SILVER
E½ Section 2, Talapoosa
A. L. Payne June ,1967

Figure 10

EDMOND F. LAWRENCE
MINING GEOLOGIST

TELEPHONE 747-3333

P. O. BOX 8044
UNIVERSITY STATION
RENO, NEVADA 89507

September 3, 1975

To: J. A. Nicholls, President
Search Investment and Development Company, Inc.
1280 Terminal Way, Suite 37
Reno, Nevada 89502

Subject: Summary Report (Preliminary)

In accordance with our agreement of August, 1975, I am attaching copies of reconnaissance and detailed geochemical surveys accomplished for Great Basin Exploration Company by Richard Hughes and Anthony L. Payne prior to August, 1967. Mr. Alexander von Hafften has agreed to the release of this information for your use in exploration in the Tallapoosa area.

One hundred and twenty-five reconnaissance soil samples were taken by Hughes and Payne. Three arsenic anomalies were discovered, and subsequently 227 detailed samples were taken over two of these anomalies in the NW¼ of Section 3 and the E½ of Section 2. The Bunker Hill claims were staked over the anomaly in Section 3 and the Lexington claims were staked over the arsenic anomaly in Section 2. The samples in Section 2 were also analyzed for silver, and the silver anomaly coincided with the arsenic anomaly.

In 1958, a trip was made to the Tallapoosa mine accompanied by Fred DeLongchamps to map and sample the silicified outcrop in the SE¼ of Section 34 which contained stibnite (antimony) and cinnabar (mercury). This occurrence was described by Lawrence (1963, p. 114, Antimony Deposits of Nevada), as follows:

> Tertiary volcanic rocks, principally dacite, andesite, and basalt flows, are cut by a completely silicified shear zone, striking N.70° W and dipping 60° S. It is 12 to 40 feet wide and over 600 feet long as disclosed by numerous pits and adits.
>
> Stibnite occurs as scattered pods, blebs, single crystals, and rosettes in the silicified volcanics and in narrow stringers of chalcedony and opal. The rosettes are up to 2 inches across with individual blades up to 1 inch long. Cinnabar is closely associated with stibnite as small blebs and tiny veinlets.
>
> Stibnite is commonly partially altered to white and yellow antimony oxides. The white oxide is pseudomorphic after needles of stibnite. Powdery yellow oxide is enclosed by opaline material. Red oxysulfide (kermesite?) is common.
>
> A sample from an area containing stibnite in chalcedony and opal assayed 0.68 percent antimony, 0.02 percent mercury, a trace of gold, and no silver.

This outcrop lies in the eastern part of the Enterprise claim, staked by Hughes and Payne, and is adjacent to the telephone road.

Mercury and antimony have been useful in prospecting for gold deposits in other areas of Nevada. The occurrence of antimony and mercury in the area immediately north of the Tallapoosa mine might be significant and may serve as a guide to buried gold-silver deposits. Further geochemical work should be done over the Tallapoosa district with emphasis on antimony and mercury.

The main Tallapoosa veins strike westerly and easterly. Payne (1967, p. 12) describes bold continuous veins in Section 3 "that may extend toward the west to Ramsey or beyond, and which strikes eastward across the Lexington claims".

One vein on the Equity claim strikes N 70°W and dips 40° to the south, and appears to extend to the west to the Dyke tunnel area, and eastward across the Essex group. This vein is up to 20 feet in thickness and consists of chalcedony and quartz. There is a good possibility that this vein may intersect other major structures in the vicinity of the Equity claim, forming economic ore shoots.

On several occasions in the past I have recommended the Tallapoosa mine as an area with good mineral potential. Detailed surface and underground geologic mapping should be followed by detailed geochemical sampling with analyses for gold, silver, copper(?), antimony, mercury, tungsten, and thallium. Geophysics may or may not be useful.

After a careful examination of all available reports, maps, and geochemical data, a more detailed report will be submitted.

Edmond F. Lawrence