L E G E N D

Qa	Quaternary Alluvium
Qca	Quaternary Well Cemented Alluvium
Ql	Quaternary Lacustrine
Kb	Bisbee Formation
Kgc	Glance Conglomerate
IPe	Earp Limestone
IPh	Horquilla Limestone
Me	Escabrosa Limestone
Dm	Martin Limestone
Ca	Abrigo Limestone

Strike & Dip

Strike & Dip (overturned)

Joint & Dip

Strike & Dip (vertical)

Vertical Shaft

Formation Contact

Fault, Strike-Slip

Fault, Reverse

Felsite Dike

Andesite Dike

SCALE 1" = 200'

0 100 200 400
F E E T

McLAIN HARBERS CO., INC.
AERIAL MAPPING & SURVEYING
720 W. Prince Rd.
Tucson, Arizona 85705

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS.
1" = 200' HORIZONTAL SCALE AND 10' CONTOUR INTERVALS
IT IS BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY:

Santa Fe Pacific Mining, Inc.

Albuquerque, New Mexico

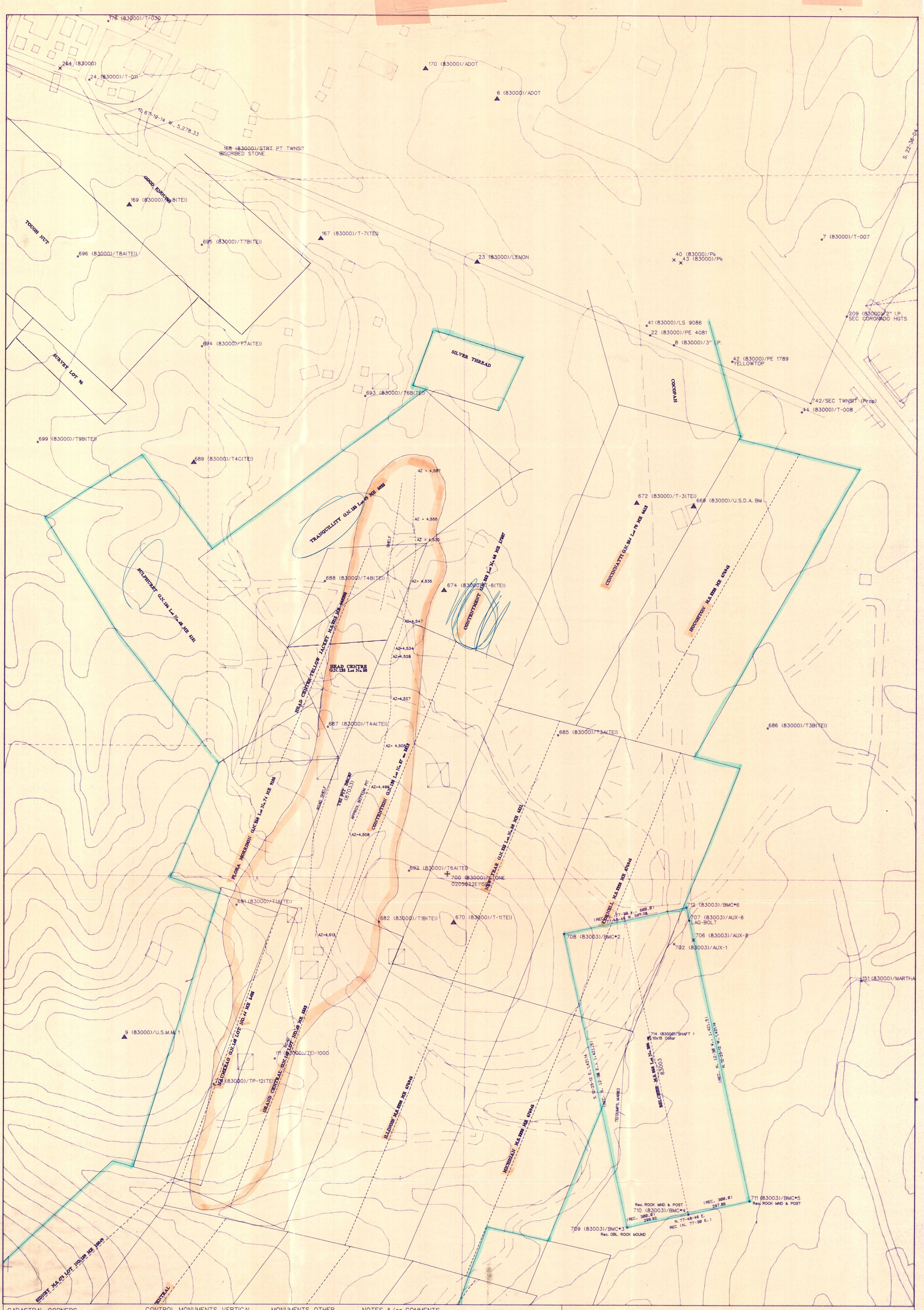
Revisions

By	Date

General Geology of the TOMBSTONE – WEDGE PROJECT

PLATE I

Scale: 1"=200'	Data by K.E. EAGAN Drawn by K.E. EAGAN	State ARIZONA County COCHISE	Date 9-14-90 File No.



CADASTRAL CORNERS

- SECTION & CLOSING CORNERS, BRASS CAP
- QUARTER CORNERS, BRASS CAP
- SECTION & CLOSING CORNERS, OTHER
- QUARTER CORNERS, OTHER

CONTROL MONUMENTS, HORIZONTAL

- CONTROL POINT, BRASS CAP
- CONTROL POINT, SURVKAP
- CONTROL POINT, OTHER

CONTROL MONUMENTS, VERTICAL

- CONTROL POINT, BRASS CAP
- CONTROL POINT, SURVKAP
- CONTROL POINT, OTHER

MONUMENTS, OTHER

- NAIL or Pk
- NAIL or Pk w/ SHINER
- POST
- SURVKAP, REBAR, OR PIPE
- OTHER
- OTHER

NOTES &/or COMMENTS

TOPO FORM 1952 (1978 rev) TOMBSTONE 7.5 QUAD
CONTOUR INTERVAL 25 FEET/1929 VERTICAL DATUM
ALL CLAIMS SHOWN ON TITLE OVERLAY MAY NOT BE SURVEYED

87033/PBR PIT
COCHISE COUNTY, ARIZONA
T. 20 S., R. 22 E., G.&S.R.M.
XY/531,000/253,000/200

Moria Surveying, Inc.

U.S. MINERAL SURVEYORS - REGISTERED LAND SURVEYORS - CARTOGRAPHERS
FORESTERS - COMPUTER CONSULTANTS
POST OFFICE BOX 879/TOMBSTONE, ARIZ. 85638
(602) 457-3703

Pr. 22:28 "Remove not the ancient landmark, which thy fathers have set."

VIZINA SHAFT

NORTHWEST SHAFT

TOUGHNUT MINE

GOODENOUGH INCLINE

TOUGHNUT INCLINE

SHAFT TOUGHNUT

GIRARD SHAFT

SILVER THREAD MINE

SILVER THREAD SHAFT

WEST SIDE MINE

WESTSIDE SHAFT

EMPIRE SHAFT

SKIP SHAFT

TRANQUILITY MINE

TRANQUILITY SHAFT

CONTENTMENT SHAFT

HERSCHELL MINE

HERSCHEL SHAFT

INGERSOL SHAFT

SULPHURET SHAFT

CONTENTION CLAIM CORNERS FROM AR ZONA BUREAU OF MINES BULLETIN NO. 143 PLATE VII

HEAD CENTER SHAFT

PUMP SHAFT

TRIBUTE MINE

TRIBUTE SHAFT

CONTENTION MINE

OLD GUARD SHAFT

OLD GUARD MINE

COMBINATION SHAFT

FLORA MORRISON SHAFT

LUCKY CUSS SHAFT

LUCKY CUSS MINE

JOE SHAFT

531445.15
254315.79

U.S.M.M. NO. 1

GRAND CENTRAL PUMP SHAFT

529042.36
253647.21

U.S.M.M. NO. 2

LUCK SURE MINE

DIPPER SHAFT

1st Blue 906
2nd Yellow 916
3rd red 923
4th Green 909
5th Orange 918
6th Pink 929
7th Apple Green 912
8th
9
10 956

TELEPHONE SHAFT

OREGON SHAFT

PROMPTER MINE

PROMPTER SHAFT

OLD PROMPTER MINE

BUNKER HILL MINE

BUNKER HILL SHAFT

Tombstone underground mine 304873
1"=200' inset #3

TOMBSTONE DEVELOPMENT COMPANY
WEST SIDE 600 - PUMP 700

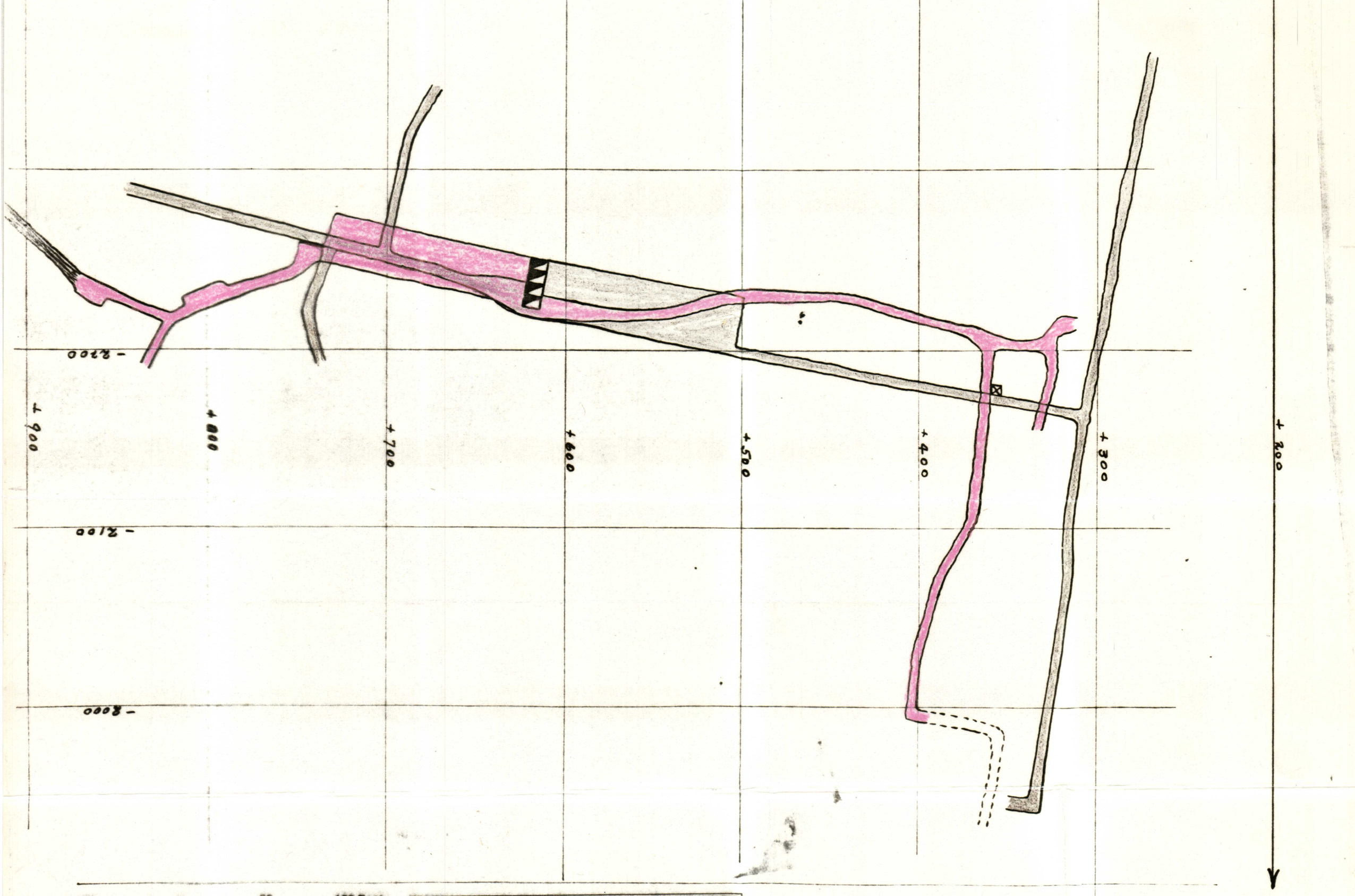
DRAWING 1.

COPY 1

Scale 1" = 100'

October, 1953
JPM

Reduced from E.P. 50-Scale Level Maps



50 0 50 100 Feet

Scale 1" = 50'

CONTENTION MINE MAP

DATE:	REVISIONS					
	DATE	NUMB.	BY	DATE	NUMB.	BY
DRAWN BY:						
APPROVED:						

DRAWING NUMBER

D.N.	R.	P.	F.	LOC.
	418			

COUNTRY: USA GEOLOGY BY:

STATE: ARIZONA

COUNTY: COCHISE

MOUNTAIN RANGE: TOMB. HILLS

MINING DISTRICT: TOMBSTONE

Southwestern Exploration Associates, Inc.
Tucson, Arizona

800' Level

1000' Level

SKIP SHAFT

TRANQUILITY SHAFT

TOMBSTONE WATER VALVE

WATER TANK

TEI WELL #1

BUTLER BUILDING

OLD ASSAY HOUSE

Sulphurette Shaft

TR-15

TR-24

TR-22

TR-23

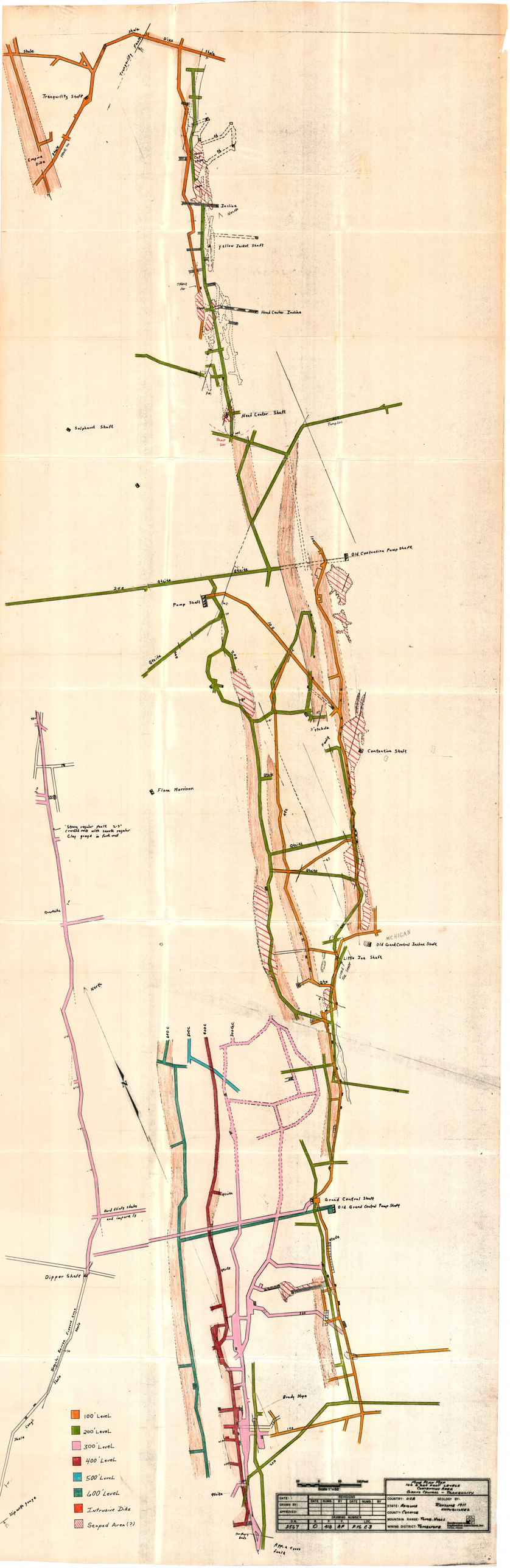
TR-25

Sketch 1:

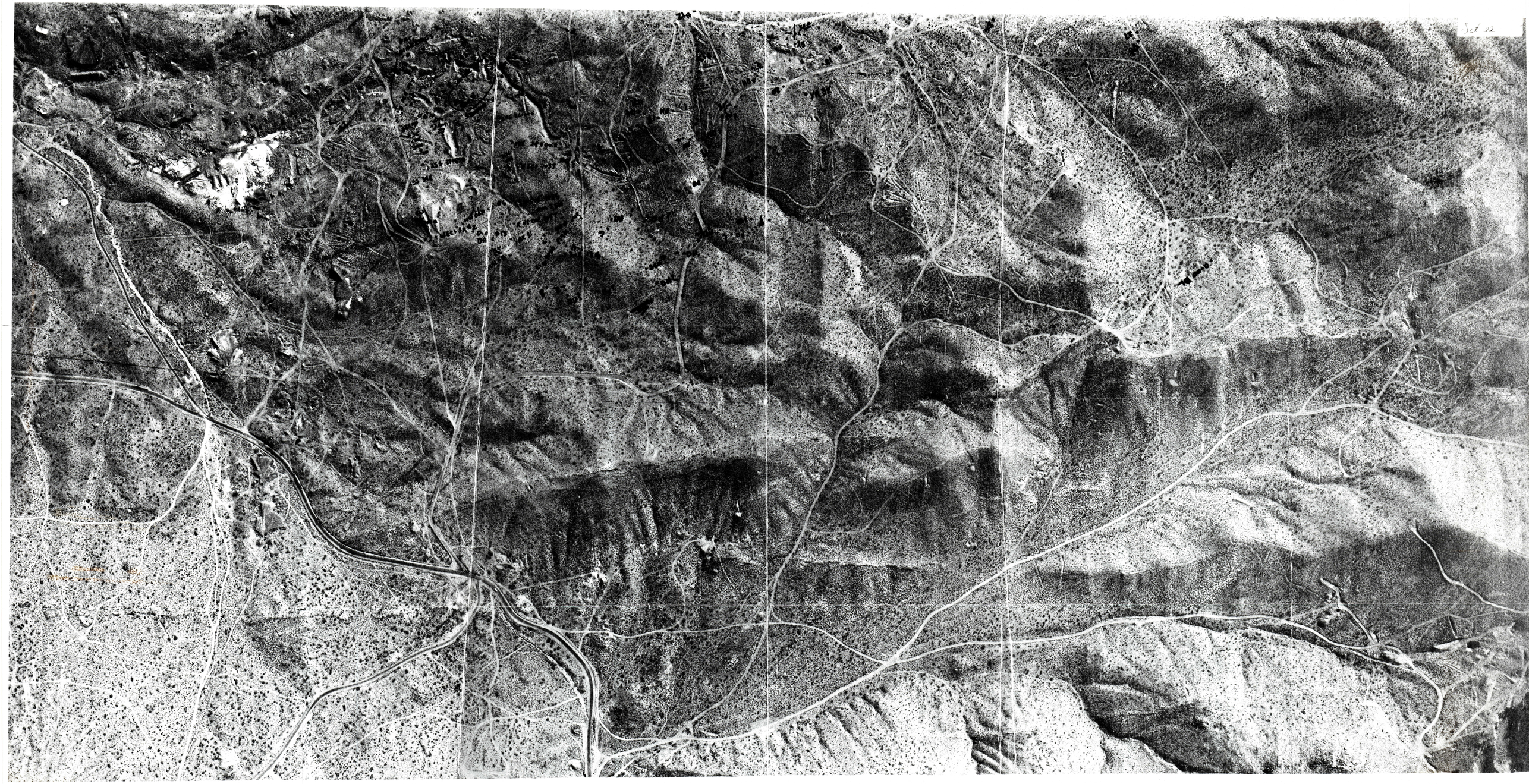
Note- Good Reason to believe that unit named above Little Joe Lust is a thrust by -

View: on East side of Pit @ Little Joe Lust.

Geol. By Karl Kaubert
USMX 1993
N 1/2 1 of 2



Shale
Dike
Shale
Tranquility Shaft
Empire Dike
Shale
Tranquility Fault
Incline Horizon
Yellow Jacket Shaft
Head Center Incline
Head Center Shaft
Sulphuret Shaft
Pump 200
Pump 200
Old Contention Pump Shaft
Qtzite
200
Qtzite
Pump Shaft
Qtzite
100
200
3' qtz lode
Contention Shaft
Flora Morrison
"Strong regular fault 2-3" crossed rock with smooth regular clay gouge in foot wall
Qtzite
Qtzite
Qtzite
Quartzite
MICHIGAN
Old Grand Central Incline Shaft
Little Joe Shaft
North
600 C
500 C
400 C
300 C
Qtzite
Grand Central Shaft
Old Grand Central Pump Shaft
Hard flinty shales and impure ls
Qtzite
Dipper Shaft
Qtzite
Shale
Shale
Shale
Brady Stope
100
200
Qtzite
Ship with gauge
Pump Bolts
App. & Cross Fault
100' Level
200' Level
300' Level
400' Level
500' Level
600' Level
Intrusive Dike
Stoped Area (?)
50 0 50 100 Feet
Scale 1"=50'
DATE:
DRAWN BY:
APPROVED:
REVISIONS
DATE NUMB. BY DATE NUMB. BY
DRAWING NUMBER
D.N. R. P. F. LOC.
3567 O 418 AF F16 C3
MINE PLAN MAP
100 & 200 FOOT LEVELS
CONTENTION AREA
GRAND CENTRAL - TRANQUILITY
COUNTRY: USA
STATE: ARIZONA
COUNTY: COCHISE
MOUNTAIN RANGE: TOMB. HILLS
MINING DISTRICT: TOMBSTONE
GEOLOGY BY:
TRANSOME 1911
UNPUBLISHED


Set 22