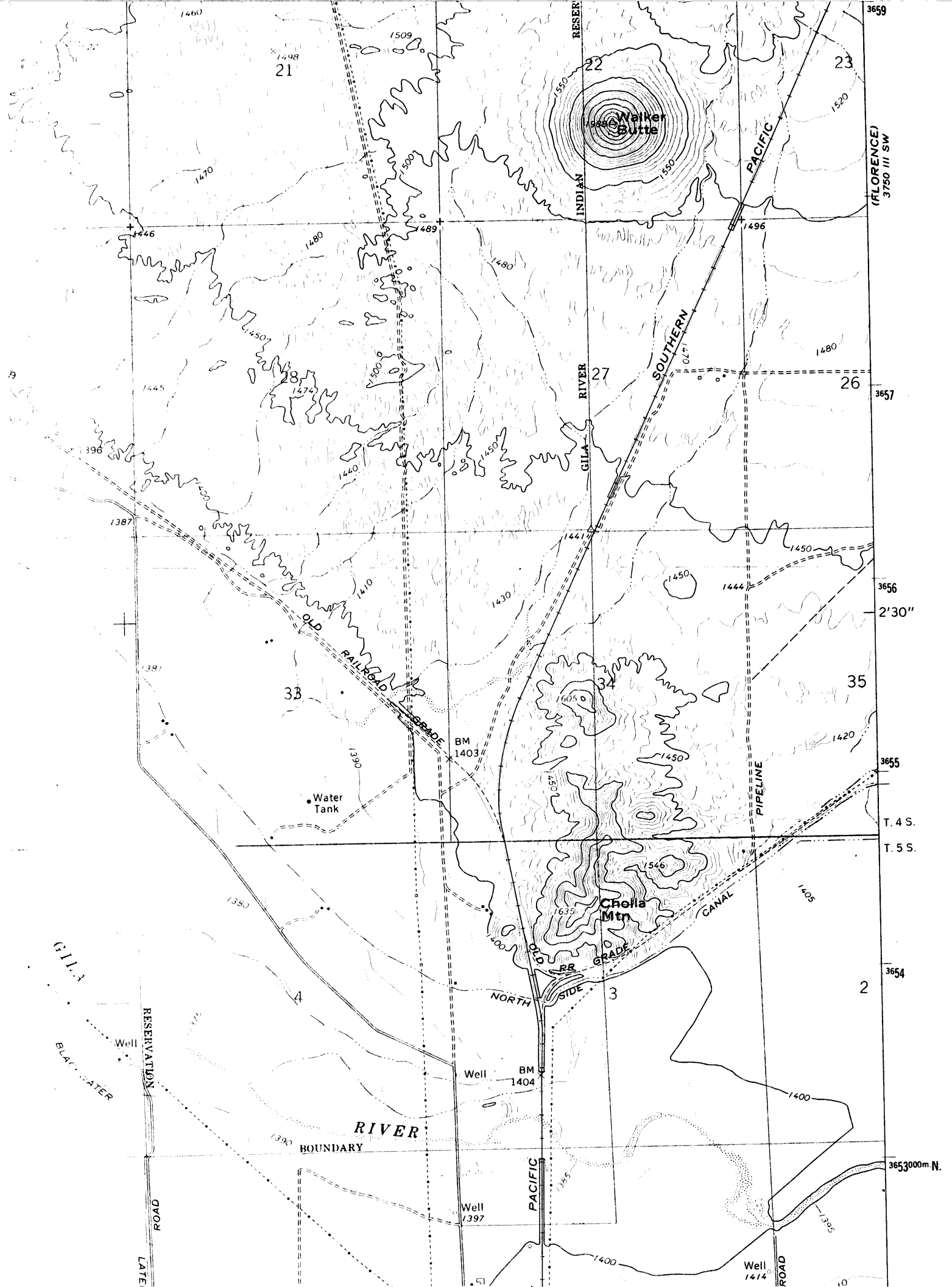
Jhon--

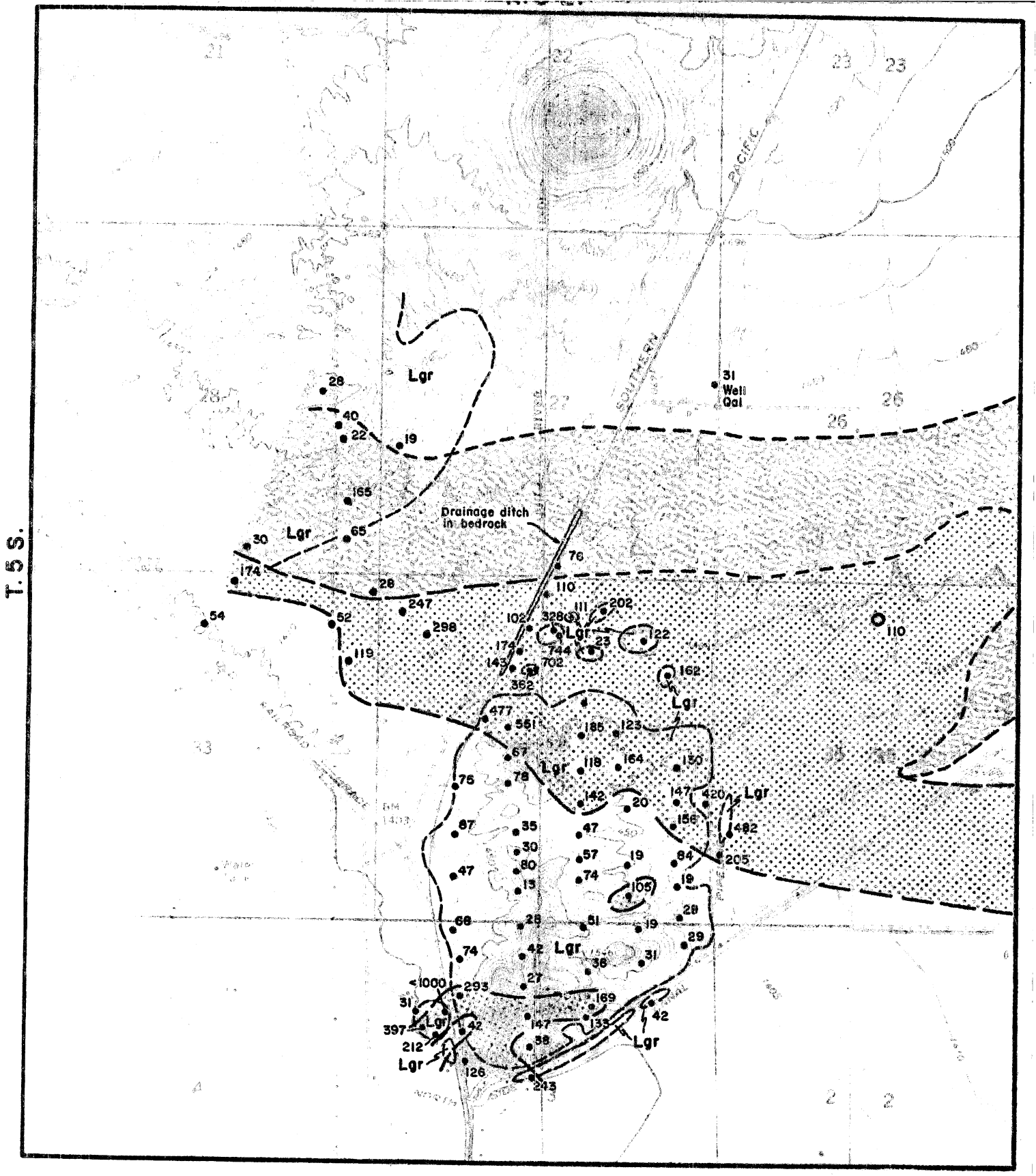
I happened to speak to Jack Splane last nite on another matter. We talked about the Bolin problem. It's probably not neces for you to call him.

Clark

J. E. K.

APR 04 1970


Walker Butte
Cholla Mtn
Water Tank
BM 1403
BM 1404
Well
Well 1397
Well 1414
INDIAN RESERVATION
GILA RIVER
BOUNDARY
PACIFIC SOUTHERN
OLD RAILROAD GRADE
OLD RR GRADE
NORTH SIDE CANAL
PIPELINE
ROAD
(FLORENCE) 3750 III SW
T. 4 S.
T. 5 S.
2'30"
3659
3657
3656
3655
3654
3653000m. N.
21
22
23
26
27
28
33
34
35
4
3
2



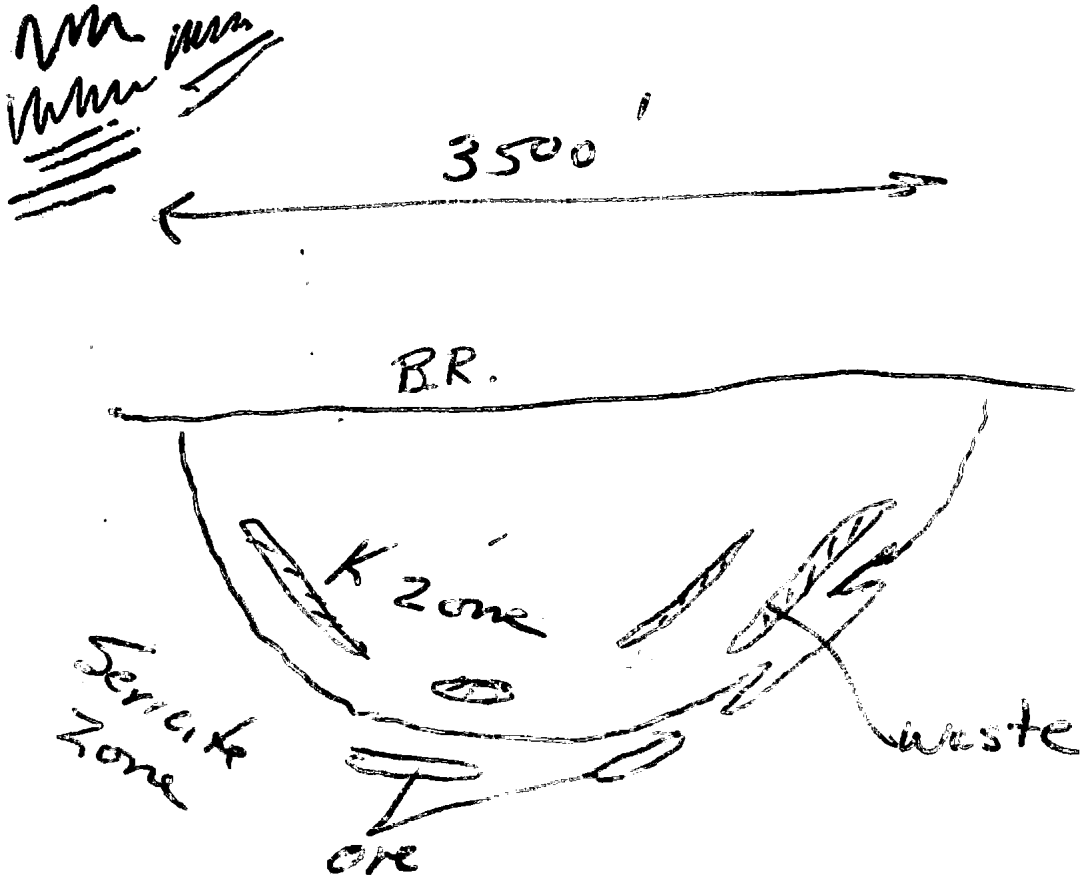
SAMPLE SITE
PPM COPPER

+100 PPM COPPER

40-100 PPM COPPER

CHOLLA MTN. ROCK GEOCHEMISTRY
CHOLLA MOUNTAIN PROJECT
CAP 142 - 175
PINAL COUNTY, ARIZONA

0 2000
SCALE IN FEET



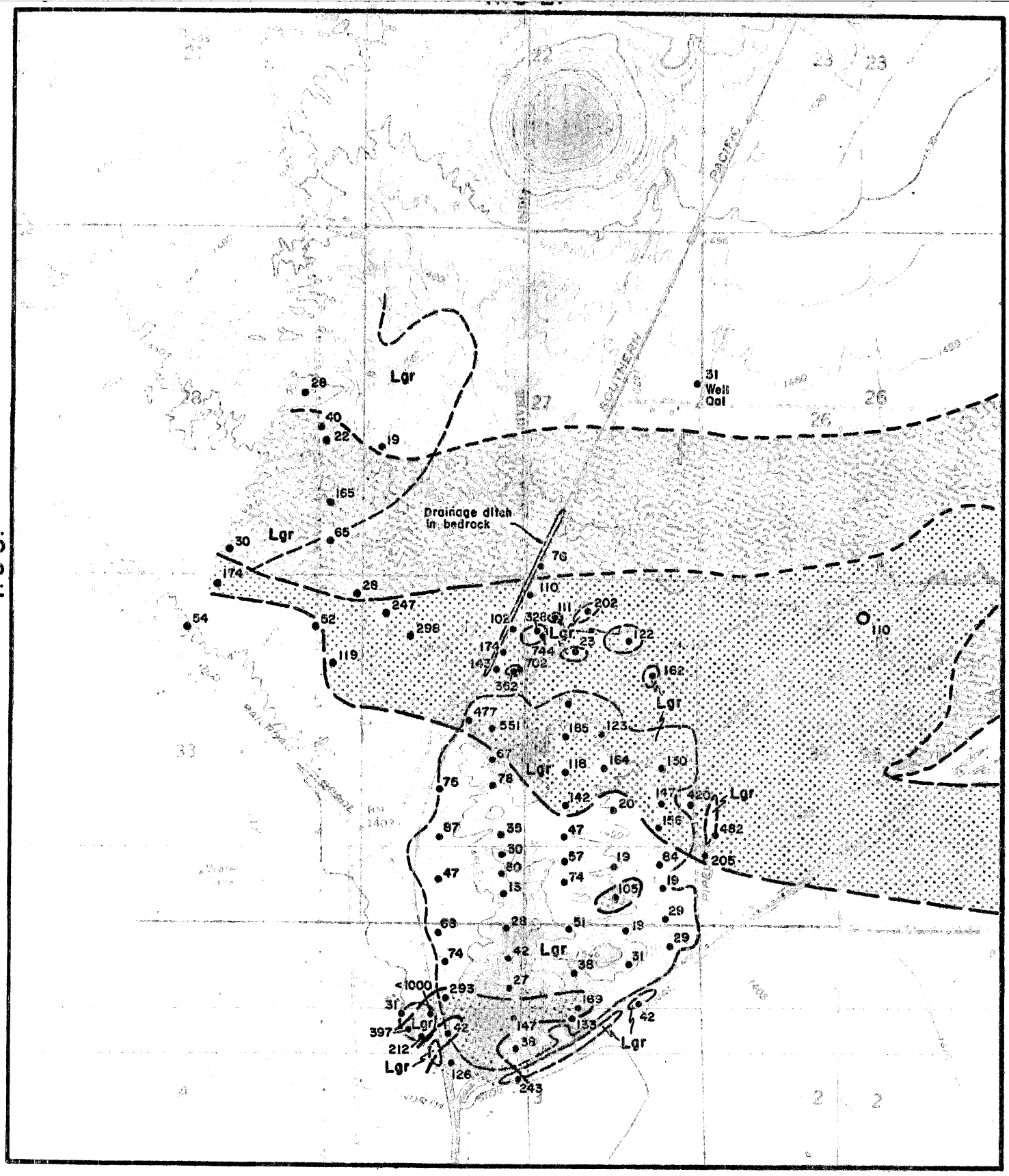
X-Sec
Poston Butte

Talk by Bob Anderson
Ariz AIME 1972

K - 2-3% total sulphides
Ser - 5-10% " "

Boston Butte

"gradiente por"
intrusive prec. go at
center of mineralization
drilled on 1000' grid first.
closed in to 500'!
Narrower spacing now
planned



SAMPLE SITE
•205 PPM COPPER

+100 PPM COPPER

40-100 PPM COPPER

CHOLLA MTN. ROCK GEOCHEMISTRY
CHOLLA MOUNTAIN PROJECT
CAP 142-175
PINAL COUNTY, ARIZONA

0 2000
SCALE IN FEET

SKYLINE LABS, INC.
P.O. Box 50106 • 1700 West Grant Road
Tucson, Arizona 85703
(602) 622-4836

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION	Cu ppm	Mo ppm	
1	4243	25	22	— Adit portal - granite (Oracle)
2	4244	10	<2	— Dump on top of hill collared in Basalt, shaft reaches Oracle granite

Sec 22
Basalt hill east of
Florence and south
of Gila River

TO:
PILLAR LOWELL & ASSOCIATES
5115 North Oracle Road
Tucson, Arizona 85704
Attn.: J.E.Kinnison

REMARKS:
Geochemical analysis

CERTIFIED BY:

REGISTERED ASSAYER CERTIFICATE NO. 9425 WILLIAM L. LEHMBECK DATE SIGNED 6-15-79 Arizona U.S.A.

DATE REC'D:	DATE COMPL.:	JOB NUMBER:
5/17/79	6/15/79	TEV 174

-1385 - 1849
1405 -

Granite out beneath basalt - sec 22 ±4 miles east of Florence T4S R10E

Passes thru

ORDER FOR ANALYTICAL SERVICES

COPY

file Cholla Mtn

Samples Sent to:

SKYLINE LABS, INC.

P.O. BOX 50106 • 1700 WEST GRANT ROAD
TUCSON, ARIZONA 85703
(602) 622-4836

Address Report To:

(Report and invoice in duplicate will be sent to above address unless otherwise instructed)

PROJECT NO.:

SHIPMENT NO.:
DATE SHIPPED: May 16 1979
SHIPPED VIA: Delivered
NO. OF CARTONS:
NO. OF SAMPLES:
(Information above helps us trace lost shipments)

Send Invoice To:

Send Copy of Report To:

PAYMENT FOR SERVICES REQUESTED MUST ACCOMPANY ORDER UNLESS CREDIT ARRANGED

LIST SAMPLE NOS.	DESCRIBE MATERIAL	LIST ELEMENTS TO BE DETERMINED (Give anticipated range of values, if possible) Describe any special sample preparation procedures desired.	INDICATE METHOD OF ANALYSIS*	✓ IF 31 – ELEMENT EMISSION SPEC SCAN DESIRED
4243	Rock 1)	Cu Mo 25 - 22 ppm } by phone	G	
4244	Rock 2)	" " 10 - <2 } 6/15/79 JEK		
		Note Molybdenum Colorimetry		
		1) Kaolinized granite at adit portal 2) Fresh granite from shaft on top of hill colored: weak and pendrotated granite		

(Use Continuation Sheet If Necessary)

INSTRUCTIONS

*METHOD OF ANALYSIS: G-Geochem, Q-Quantitative or Routine Assay
W-Wet Assay, F-Fire Assay

†SAMPLE STORAGE: Pulps stored 90 days pending instructions, bulk rejects stored 30 days pending instructions.

Enclose yellow original with samples, send white copy by mail, retain pink copy. White copy will be returned to shipper as an acknowledgement that shipment has been received.

INDICATE DESIRED DISPOSITION OF SAMPLES AFTER ANALYSIS	Bulk Rejects	Pulp
Return at customer's expense via:		
Store temporarily pending instructions†		
Discard immediately		

CHOLLA MTN. (142-175)

Since the last report on Cholla Mtn., given at the previous quarterly meeting, a land status study has been completed and one parcel comprising approximately 3/4 of one section has been negotiated to a favorable $1,000 of front-end money, and an unfavorable 6 month option. If we find ore, however, we would be in a reasonable position to renegotiate. This parcel is in the process of being obtained, and we recommend that it be obtained quickly. The agreement worked out with the owner, Mr. Chandler, is to begin on April 1st. A second important land holding, by a Mrs. Bolin who controls 1½ sections, has not been discussed as explained in the letter to Charles Dowd from Mr. Jack Splane, which letter is attached to this report. The problem with the Bolin ground is that we are in competition with Exxon, and it seems possible that we may not be able to obtain the property.

Gravity surveys have been completed to a point of a final map, but we have not yet received the full report from Mining Geophysical Surveys. The major delay in the geophysical work has been in timing the work, due to previous committments by Mining Geophysical Surveys for work out of the U.S.

On the geological end, we have attempted to obtain all available information, but it has been difficult to interpret. Many drill sites have been examined and cuttings sampled. We are able to determine where drilling has been done north of our area of interest, but the farmlands to the south (in the target area), plow over drill sites. We have received misleading statements from various farmers on this subject, and are still not certain of hard data.

The geologic premise, although not definitely more proven than previously, is still regarded as a valid exploration concept. The Conoco orebody and the ASARCO deposit are apparently portions of a once continuous major porphyry copper deposit, but they are separtated by a deep fault trough. The east margin of this trough is believed to be a "flat fault" dipping west, which is

offset by a younger fault dipping at a steeper angle to the east. The direction of movement on the principal low-angle fault is based on the northeast dip of the Yellow Peak conglomerate, equivalent to Whitetail, at Poston Butte. This may be seen in an incline shaft which follows the adit, and the dip was verified by an old ASARCO drill hole east of Poston Butte which intersected the base of the Yellow Peak conglomerate at the projected position. A diagrammatic sketch of the post-ore volcanics and sediments, as known in the San Tan Mtns. northwest of Cholla Mountain, is attached for reference. Due to erosion prior to the widespaced thin flow of Walker Butte basalt (the youngest volcanic, not illustrated by the sketch section) we do not anticipate units younger than the Blue basalt -- except for the Walker Butte flow -- in the project area. There is also some slight suggestion, based on a review of the early widespaced drilling on Conoco's deposit, that the primary ore plunges slightly to the southwest. The direction of movement of the flat fault which is affected by post-mineral north-striking faults to form a series of horsts and grabens, also is suggested by the trend of strong mineralized fissures at the south end of Cholla Mtn. The large low grade (80 to 150 ppm Cu) oxide anomaly on Cholla Mtn. and on the pediment area north and east seems to be an outlying remnant of the strongly fissured ground which strikes across the apparent trend of the Laramide granite pluton. The contact between Laramide and Precambrian has been located in drill holes by examination of cuttings left at the sites, and seems to lie slightly to the west of the Hunt Highway, and trends southerly. The inferred fault in this position on the gravity map may reflect this contact rather than a difference in depth to bedrock.

The land which we can acquire from Chandler may largely center on a graben, but the boundaries are vague due to the general difficulty of gravity interpretation in the Florence region. This stems from several factors, among which is a very steep easterly regional gravity gradient. Bedrock is estimated to be between 1000 and 1500 feet in the center of the section, and we propose

one hole in approximately that position.

We have now reached a stage at which some hard data of our own is necessary, and this can only be obtained by drilling. We feel the project has not been undermined by the data collected, and in fact, remains essentially unchanged from its original interpretation. We recommend that the project continue.

SKYLINE LABS, INC.
P.O. Box 50106 • 1700 West Grant Road
Tucson, Arizona 85703
(602) 622-4836

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION	Cu ppm	Mo ppm							
	C-1	35	8							

Orange CPM Cuttings
on Chandler property Sec 31
Cholla Mtn project
From Well in NE Cor of his land.

TO:

PILLAR LOWELL & ASSOCIATES
5115 North Oracle Road
Tucson, Arizona 85704
Attn.: Mr. John Kennison

REMARKS:

Trace analysis

CERTIFIED BY:

DATE REC'D:	DATE COMPL.:	JOB NUMBER:
3/19/79	3/23/79	TEV 150

JEK

M E M O R A N D U M

TO: J. D. Lowell

FROM: J. E. Kinnison 3/5/79

DATE: March 5, 1979

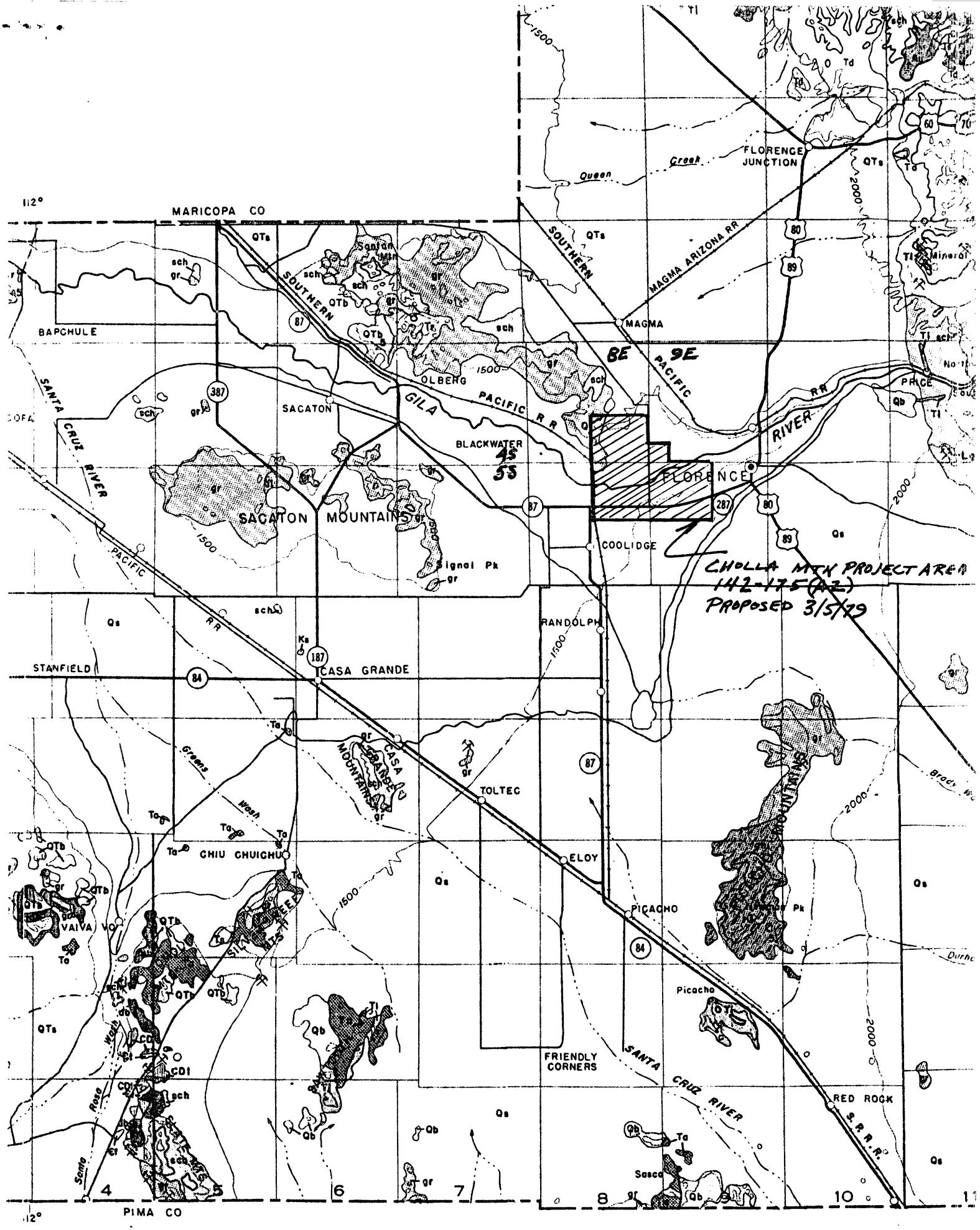
SUBJECT: Cholla Mtn., AZ (142-175)
Proposed Definition of Area

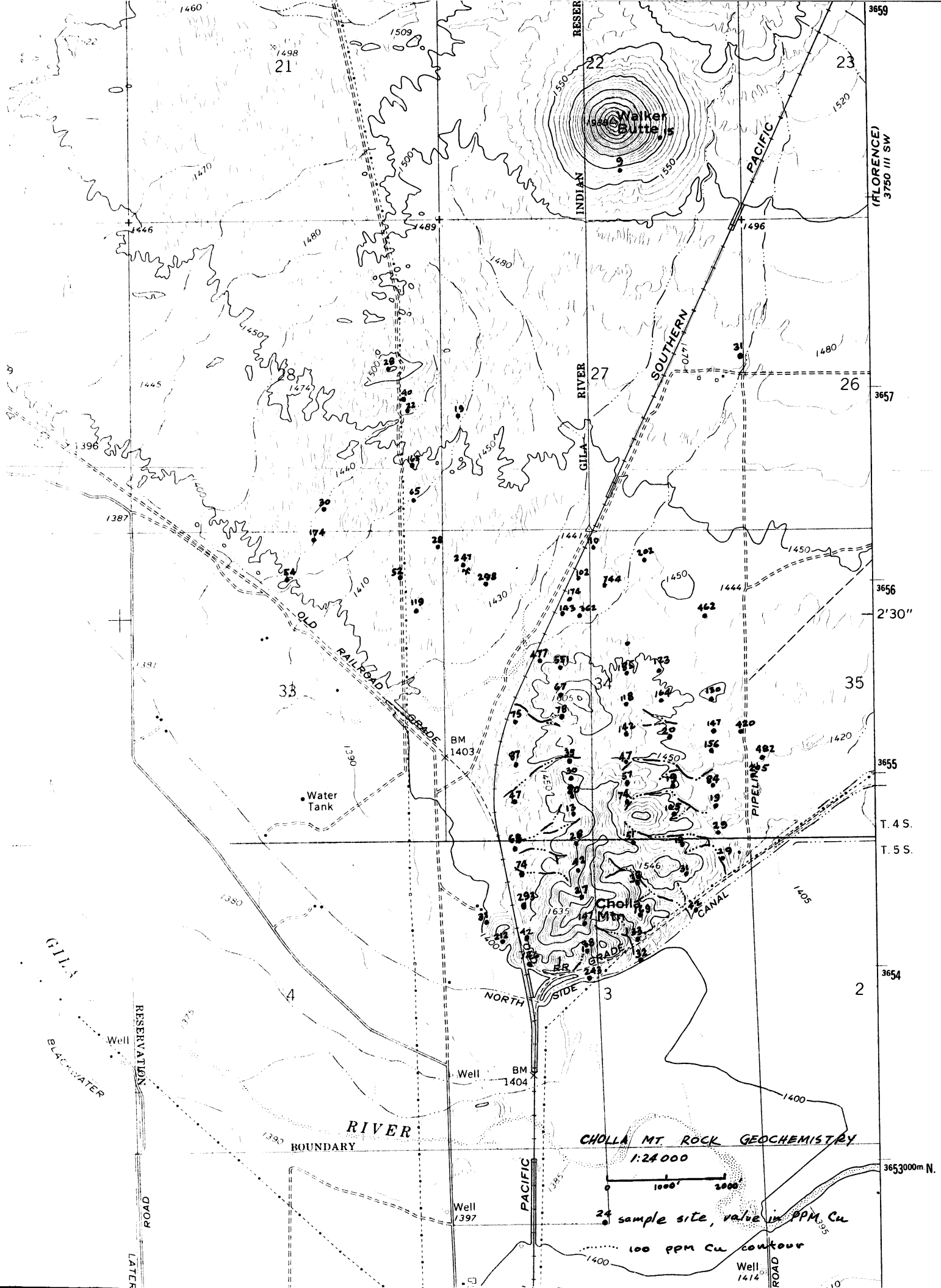
For purposes of CAP area of exploration interest, I propose the subject project as presently conceived should embrace the following land, subject to agreement by the CAP venture participants.

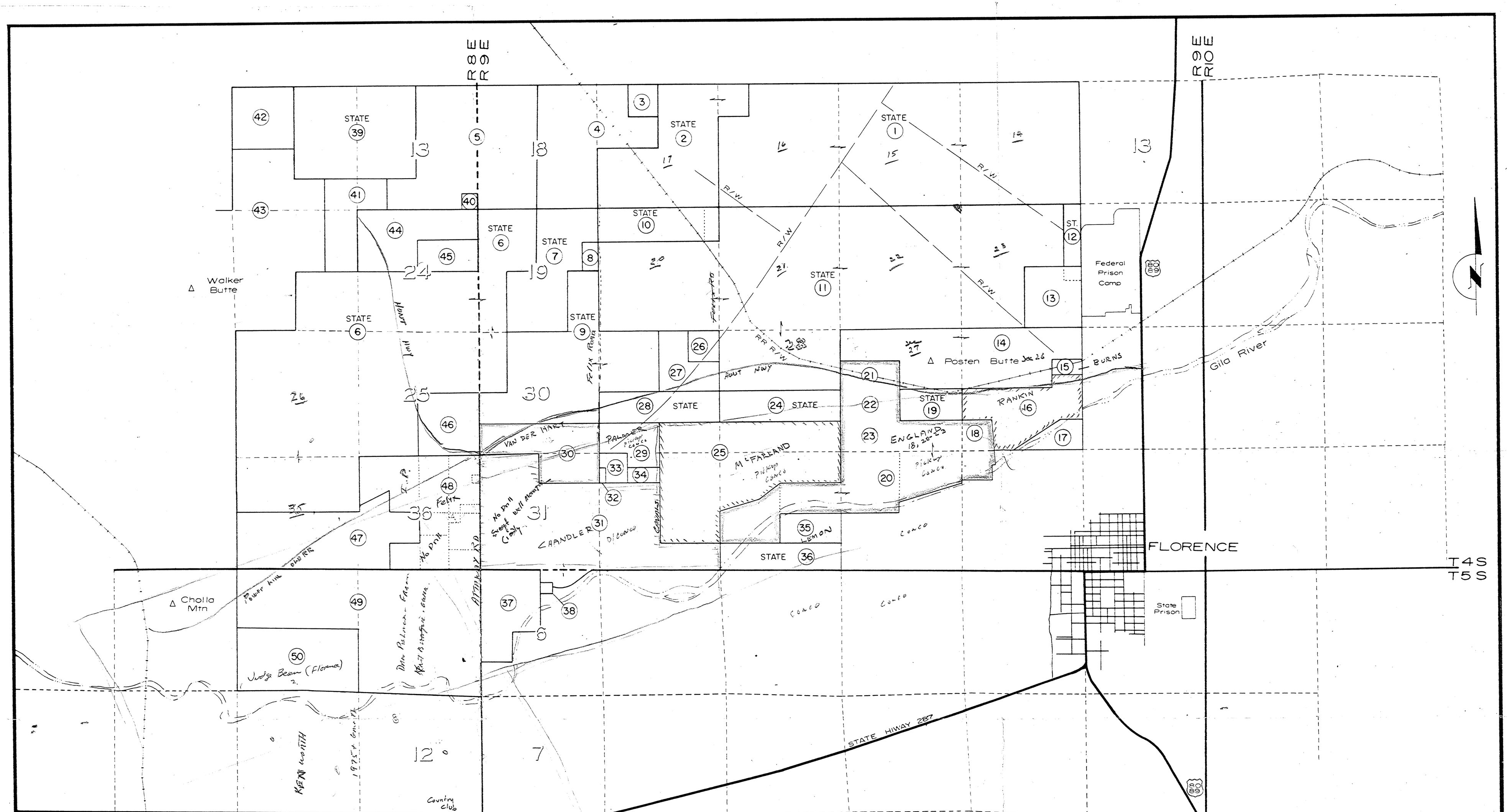
T.4S., R.8E.:	the S 1/3 of the E 1/2 of Twp.
T.5S., R.8E.:	All of the NE 1/4 of Twp.
T.4S., R.9E.:	Sec. 31, with the provision that this area could expand, dependent on agreements not now contemplated, with Asarco, Inc., Conoco, or isolated, small private inliers adjacent to Asarco and Conoco lands.
T.5S., R.9E.:	All of the NW 1/4 of Twp.

JEK:sbc
atch.

cc: S. Van Nort w/atch
C. Dowd w/atch
C. Smith w/atch
A. Jones w/atch
File


MARICOPA CO
PIMA CO
BAPCHULE
SACATON
SACATON MOUNTAINS
OLBERG
BLACKWATER
MAGMA
FLORENCE JUNCTION
FLORENCE
COOLIDGE
RANDOLPH
CASA GRANDE
STANFIELD
TOLTEC
ELOY
PICACHO
Picacho
FRIENDLY CORNERS
RED ROCK
CHIU CHUICHU
VAIVA VO
PRICE
Signal Pk
SOUTHERN PACIFIC
MAGMA ARIZONA RR
GILA RIVER
SANTA CRUZ RIVER
S.P.R.R.
Queen Creek
Greens Wash
Santa Rosa Wash
Brady Wash
CHOLLA MTN PROJECT AREA
142-175(AZ)
PROPOSED 3/5/79
8E
9E
45
55


CHOLLA MT. ROCK GEOCHEMISTRY
1:24000
1000'
2000'
24 sample site, value in PPM Cu
100 PPM Cu contour
Walker Butte
Cholla Mtn
Water Tank
BM 1403
BM 1404
Well
OLD RAILROAD GRADE
NORTH SIDE CANAL
PIPELINE
INDIAN RESER
GILA RIVER
SOUTHERN PACIFIC
GILA RIVER BOUNDARY
BLACKWATER RESERVATION
ROAD
(FLORENCE) 3750 III SW
T. 4 S.
T. 5 S.
2'30"
3000m N.



Surface and Mineral Rights Owned by State of Arizona Surface leased by C.W. England

Surface Owned by State Minerals Reserved to U.S.A.

Surface and Minerals U.S.A

Surface Private Minerals U.S.A.

Surface and Minerals Private Owned by C.W. England

Open for Location Use on transparent overlay.

31 Section Number

R/W – Center Line of Rights of Way

(31) Circled number refers to parcel of land described in report by L.K. Wilson.

NOTE This map is to be used with and superimposes upon Map No. 1465 in report by Blucher and Kinnison, June 7, 1960.

Undivided one-half interest in mineral rights held by Federal Land Bank of Berkeley, one-half by C.W. England

OWNERSHIP MAP

POSTEN BUTTE PROSPECT

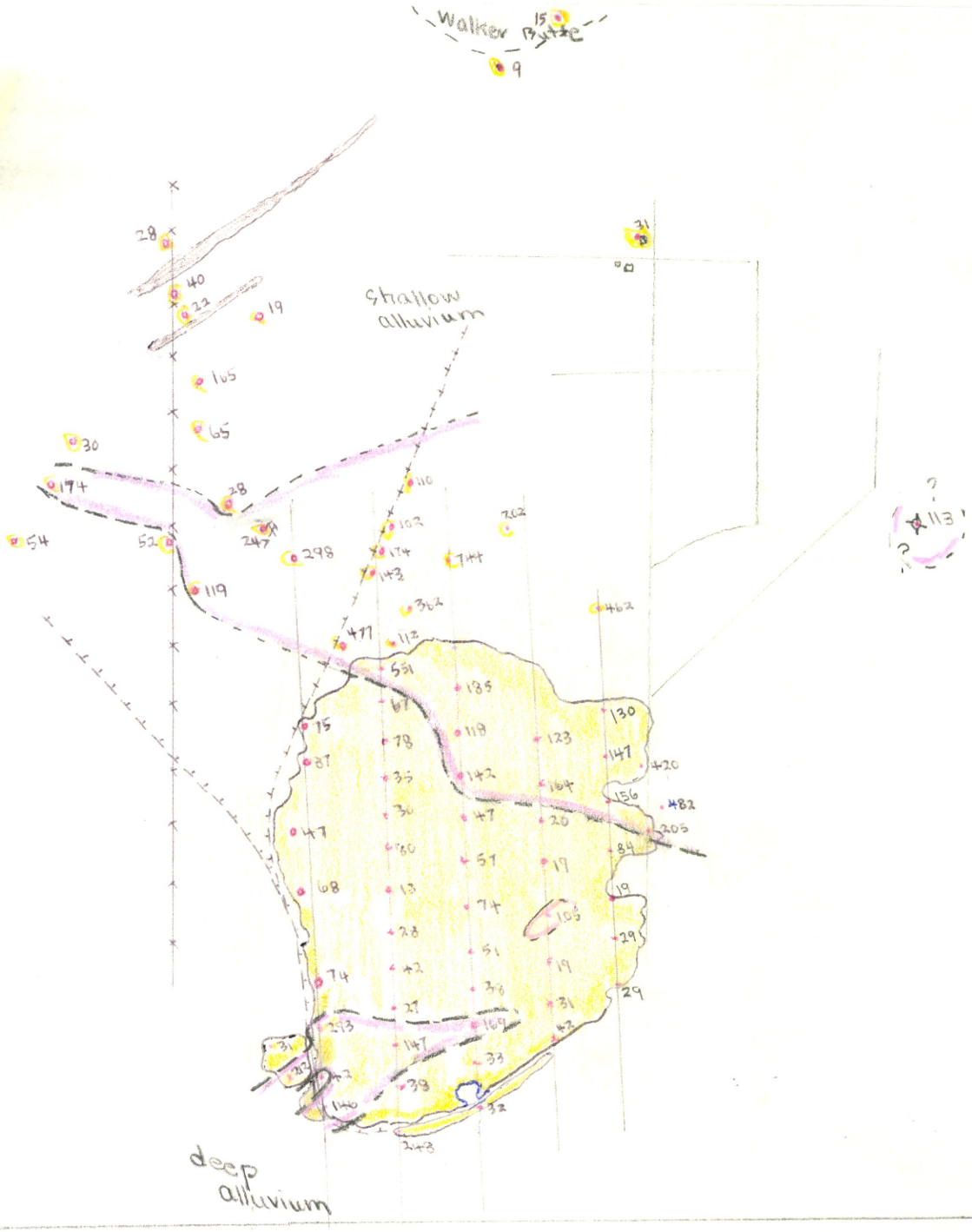
Blackwater District, Pinal County, Arizona

Approx. Scale: 1 inch = 1/2 mile

rev. Oct. 28, 1960

L. K. Wilson
August, 1960

Map No. 1471



Aplite dikes

Laramide granite

Drill hole cuttings

rock chip sample site w/ Cu. value in ppm

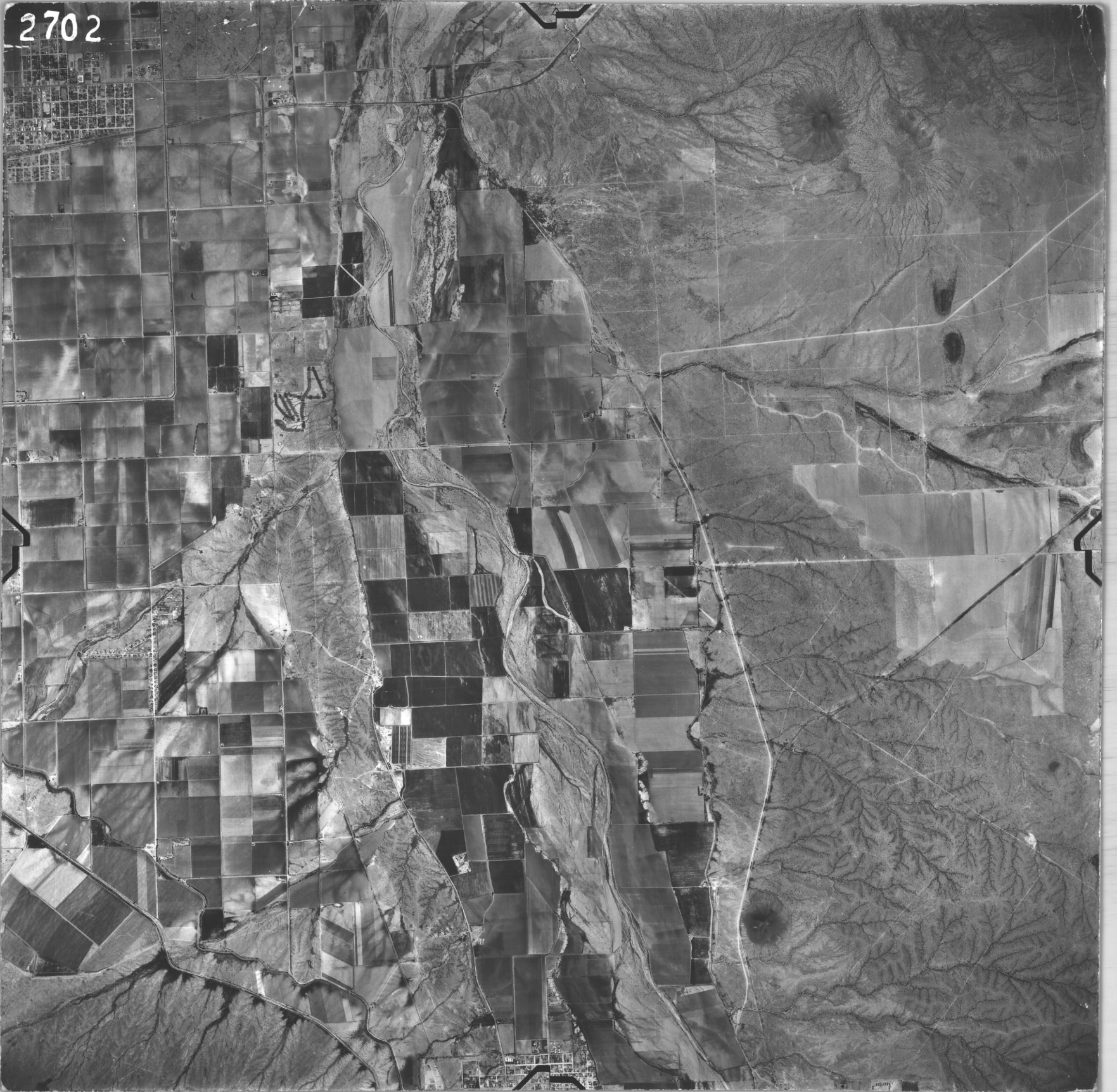
rock type
Laramide granite

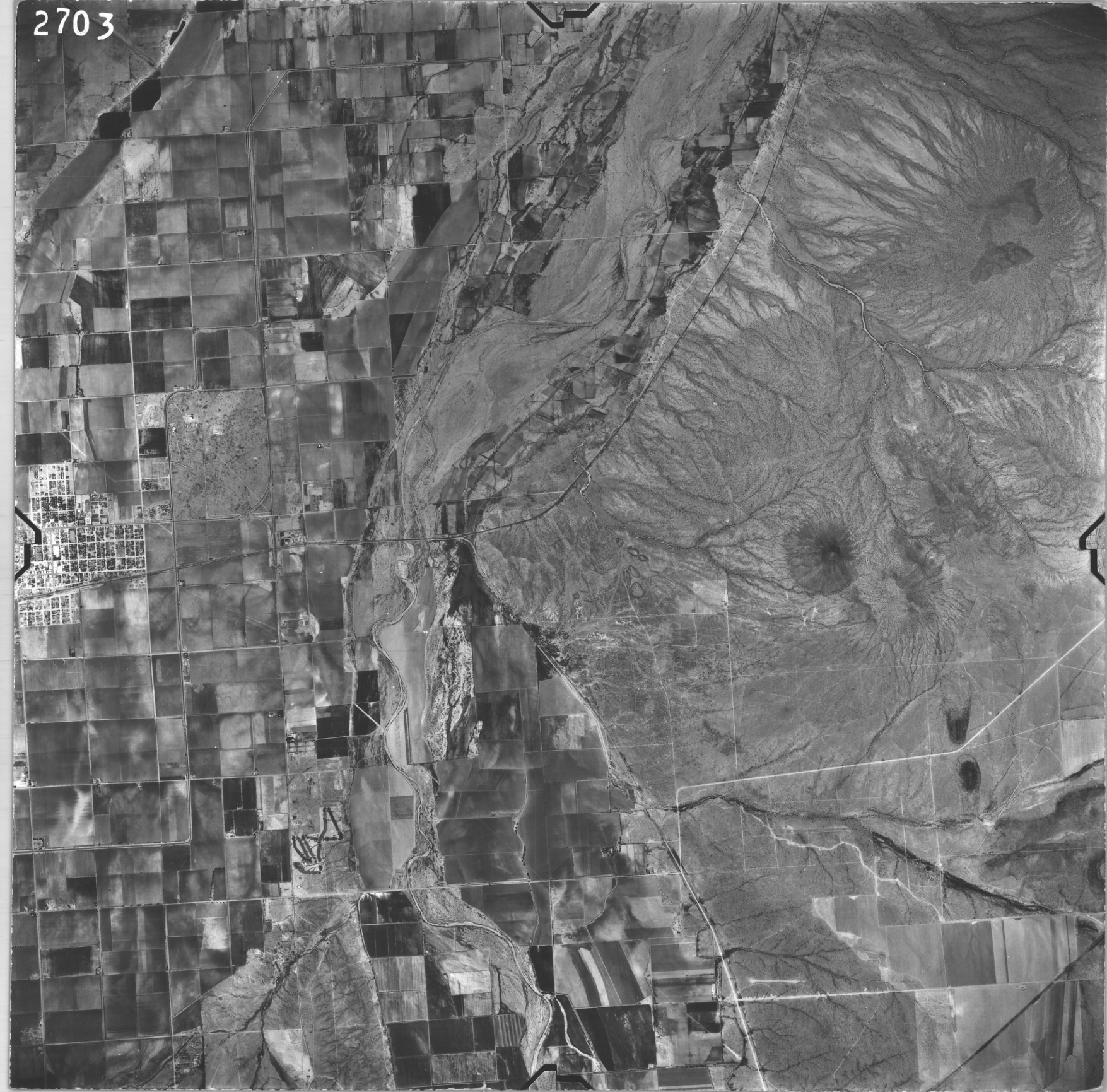
Geochemical Anomaly
(Cu > 100 ppm)

N

Cholla Mt Project

1" = 2000'


2702


2703


2659


2660


2704

Exxon leases —

C. L Skousen Jan 18 78

T 5 R 8E Sec 5 S 1/2
Sec 8 E 1/2 NE 1/4 NW 1/4, E 1/2 SE 1/4
580 Ac.

C. L Skousen Jan 13 78

T 5 S R 8E SEC 6 S 1/2 NE 1/4, N 1/2 SE 1/4
SEC 8 SW 1/4
5 Appl Ac
321 Acres

Robertson, Peter J.
Jan 16 1978

T 5 S R 8E

Sec 7 S 1/2, S 1/2 N 1/2
8 S 1/2 NW 1/4, NW 1/4 NW 1/4, W 1/2 NE 1/4 NW 1/4,
9 SE 1/4 SW 1/4, S 1/2 SE 1/4 Containing 740 Acres

Clark Farms.

Jan 13 78
T 5 S R 8E

Sec 9 N 1/2, N 1/2 SW 1/4, NW 1/4 SE 1/4 440 Acres.

Bell western Dck 889 p 451
Release Old lea Dck ~~886~~ 861, p 156 filed 3/28 76

Not appr

Exxon 3 Dec 76, lease from Bell Western Corp
Signed Thomas C McMahon and
Nina Kniec, Pres & Assst
Sec respectively.

hole Unmy Claims
Bonnie et al Red Hills Area

T 5S R8E

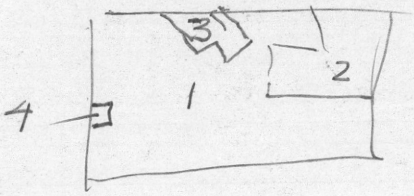
Sec 5

all of the S 1/2 in 4 parcels (1-4) south of Indian line

SKOUSEN, CHY R+1 Box 77 Coolidge 85228

Parc 1, 2 3

SKousen CR & Elvin Parcel 4 same address



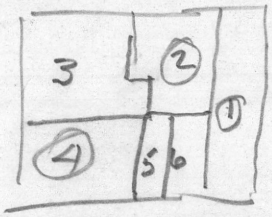
S 1/2 Sec 5
irreg parcels.

Sec 8 SKOUSON Family Parcel 1, 2, and 4

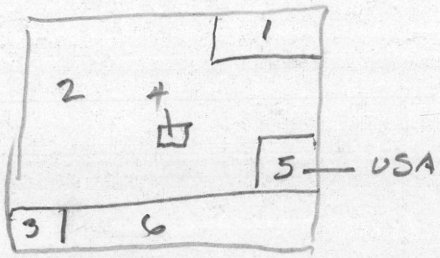
par 1 - E 1/2 of E 1/2

2 NE NW + W 1/2 NE

4 SW 1/4 all



Sec 9



Clark farm
Box 1327 Coolidge 85228

Parcels 1 & 2

.78 Ac Parcel 4 Clark AM & Pearl M S/T

1 — N 1/2 NE

2 - S 1/2 N 1/2 & N 1/2 SW & NW SE & N 1/2 NW

Excl PCL in N 1/2 SW 359 Ac.

646 UTICA ST
Denver Colo 80204

Parcel 3 - Sipes Dorothy D & CE SW 1/4 SW 1/4 40 Ac

" 6 Robertson Peter J.

to the ~~area~~ priority given to the Sierra Ancha in your budget framework.

probably Some of the details should be discussed verbally, ~~possibly~~ by telephone, although I would be willing to come to ~~the~~ Albuquerque at your convenience (but, of course, at your expense) to discuss not only the Sierra Ancha proposal, but to further explore any other possible targets (for example, the Lake bed of Tonto Basin) which may ~~be~~ be related in a general way to a source in the northern Mazatzal Mts.

Y VT

John E K.

~~John E K~~

Consulting Mining Geologist
7917 E. WINNIPEG DRIVE • TUCSON, ARIZONA 85730
(602) 886-5082

GENERAL EXPLORATION • DRILLING ENGINEERING

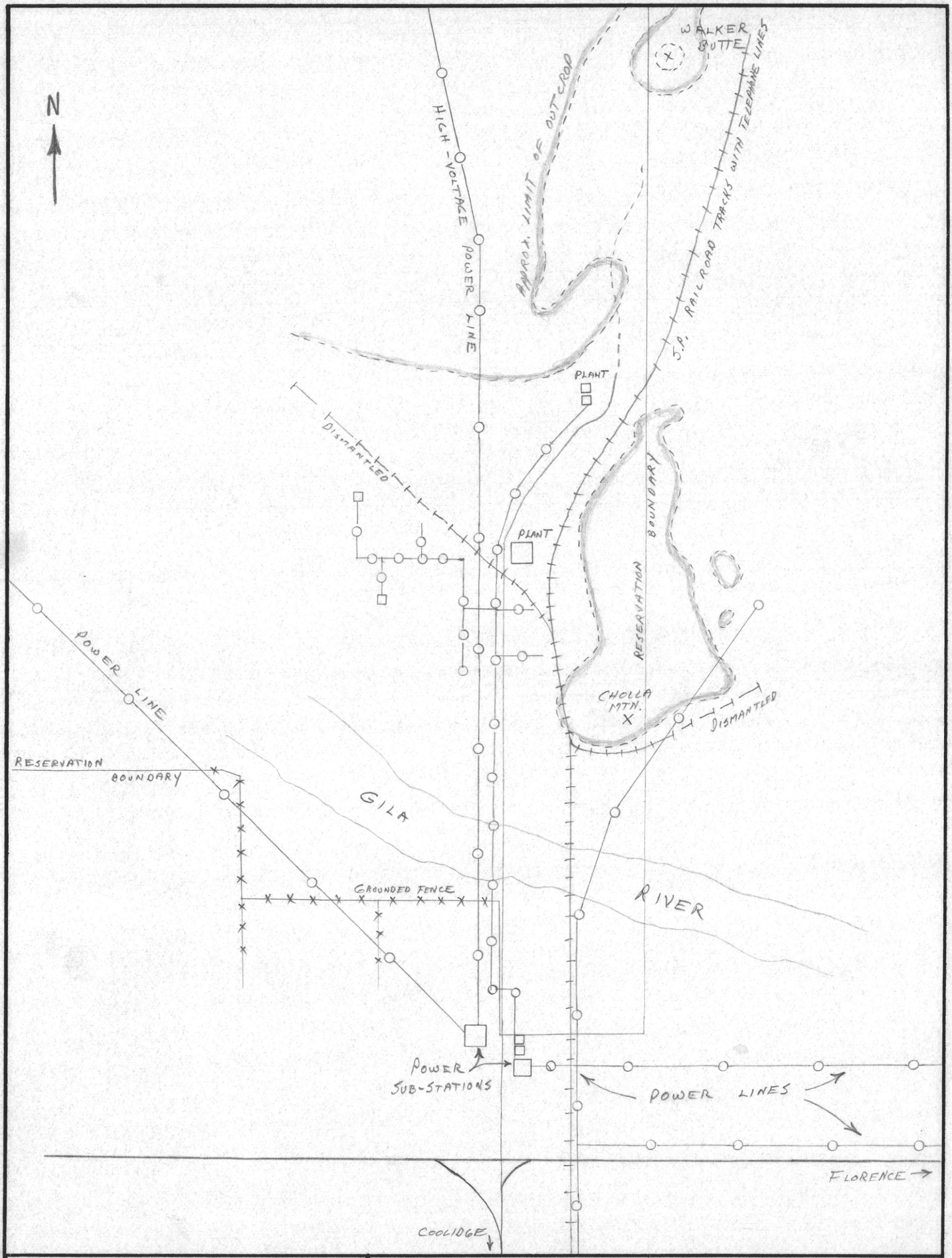
From the Desk of **JOHN E. KINNISON**

T 4 S R 8 E

T 4 S R 9 E — W 1/2

T 5 S R 9 E ~~NW 1/4~~ W 1/2

order MTP
John SPLANE
Nov 7



KACC 5419 (12/70)

KAISER EXPLORATION & MINING COMPANY OAKLAND, CALIFORNIA	CHOLLA MTN. AREA SCALE: 1" = ½ mi. BY R.J. DATE 12/29/71 DWG. NO. 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ARIZONA
SACATON QUADRANGLE

E.M. Douglas, Geographer.
T.M. Bannon, in charge of section.
Topography by T.M. Bannon, S.S. Stahl, and Reclamation Service.
Triangulation by A.H. Thompson.
Surveyed in 1904-1906.

TRUE NORTH
MAGNETIC NORTH
13½°
APPROXIMATE MEAN DECLINATION 1906.

SCALE 1:62500

1 ½ 0 1 2 3 4 MILES

3000 0 3000 6000 9000 12000 15000 18000 21000 FEET

1 .5 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.

Polyconic projection

U.S.G.S.
U.S.R.S.
USGS

Water drill holes
= Drill hole
= DH w/ Sample available Wes Pierce Arizona Bur. Mines

HG = hard gravel
Qt = quaternary
Br = bed rock

SACATON, ARIZ.
Edition of 1907
reprinted 1948

N3300—W111130/15

93
93