



CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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HEINRICH'S GEOEXPLORATION COMPANY

P.O. BOX 5964, TUCSON, ARIZONA 85703. 806 WEST GRANT ROAD. PHONE: (602) 623-0578

October 8, 1982

GEOEX #1568

REPORT ON SOLANO CLAIMS

This detailed report is filed in compliance with the requirements of Title 30, United States Code, Section 28-1 for the Solano claims, a contiguous group of 36 lode mining claims situated in the Helvetia-Rosemont mining district of Pima County, Arizona and owned by the Solano Mining Co. of Phoenix Arizona.

The work consisted of geologic mapping and geochemical sampling of the property which concluded with a written report and a map. The work was performed to attempt to assign economic priorities to the mineralization and to assist in planning further exploration and/or development. The work was performed January 20, 1982 through September, 3 1982 by Mark E. Anders, a geologist and geophysicist with degrees from the University of Arizona and Northern Arizona University and three years experience in mineral exploration, and by David Swanson a geologic and electrical technician with over 20 years of experience with the mineral industry, under supervision of Walter Heinrichs a graduate professional geological engineer from the Colorado School of Mines, with Arizona State Registered Engineer #2447, American Institute of Geologists certification #688 and over 40 years of experience, all of Heinrichs GEOEXploration Company of 810 West Grant Road, P.O. Box 5964, Tucson Arizona 85703. The cost of the geological and geophysical survey was over \$3,600.00 and was paid for by Solano Mining Co. of Phoenix, Arizona.

The location of the work performed in relation to points of discovery and boundaries of the claims is shown on Exhibit A, as relayed by Mr. William Brooke, which is attached hereto and made a part hereof. The basic findings of the geological and geochemical survey are:

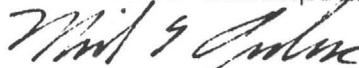
1. The major mineralization is along the Martin Formation and the Willow Canyon Formation contact, with the mineralization mainly in the reddish-brown Willow Canyon Formation. This includes the AMERCO mine and the Golden Gate prospects along with other smaller prospect pits.
2. Taking character samples at the four major mine dumps in

the claim group, (Golden Gate, Goldfish, Lexington, and AMERCO), gives anomalous gold and silver values, the veins from these workings give lower values but still anomalous.

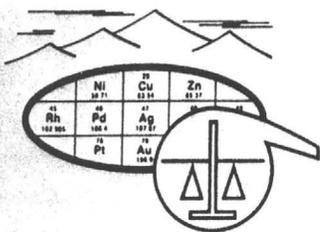
3. Mineralization appears to be controlled by faulting.
4. Two stream sediments samples that are down stream from the Goldfish mine shows minor gold anomalism, apparently coming from the Goldfish, but future samples should be taken to try and confirm or determine the exact source.
5. Future work should include detailed geologic mapping along the Martin & Willow Canyon formations in order to locate other veins similar to those already located.

More exploration is under consideration for the property. All technical results are in the possession of and are considered to be exclusive property of Solano Mining Company, 2107 E. Solano Drive, Phoenix, AZ 85016.

Respectfully submitted,
Heinrichs GEODEXploration Company



Mark E. Anders
Geophysicist-Geologist



SKYLINE LABS, INC.

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



SEP 29 1982

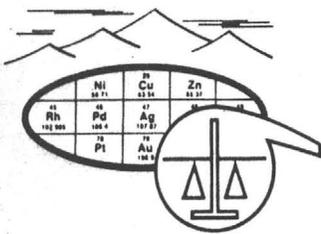
BOX 5364 TUCSON, ARIZONA 85709

Phone: (AREA 602) 623-0578

JOB NO. UCW 006
September 29, 1982
PAGE 2

3428 ppm = 2.0% / Ton

ITEM	SAMPLE NO.	Au ppm	Ag ppm	Cu %	Pb %	Zn %
26	5287 ARIERCO	4.90	8.6	.14	1.08	1.80
27	5297 Lexington	3.20	2.2	.01	.20	.07
28	5298 Ridge near Lx.	.78	1.0	<.01	.05	.03
29	5313 ARIERCO dump	9.80	95.0	.10	4.20	.87
30	5314 " " W	.08	.4	.01	.12	.08
31	5282 saddle	<.02	.2	N/R	N/R	N/R
32	5307 up creek	<.02	<.2	N/R	N/R	N/R
33	5309 M-W contact	<.02	<.2	N/R	N/R	N/R
34	5310 Drill core	<.02	.2	N/R	N/R	N/R
35	5311 A-land 1s	<.02	<.2	N/R	N/R	N/R
36	5312 " "	<.02	<.2	N/R	N/R	N/R



SKYLINE LABS, INC.
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 Tucson, Arizona 85703
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MINIRICKS
CEOEX
ANALYTICAL LABORATORY
TUCSON, ARIZONA



SEP 29 1982

JOB NO. UCW 006
 September 29, 1982
 PAGE 3

BOX 5964 TUCSON, ARIZONA 85703

Phone: (AREA 602) 623-0578

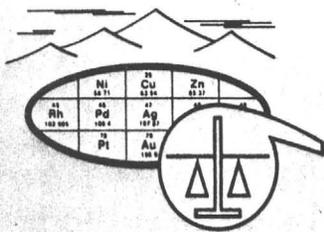
ITEM	SAMPLE NO.	Mo %	Cu ppm	Pb ppm	Zn ppm	Mo ppm
20	5280 C.G. V ₁	.003	N/R	N/R	N/R	N/R
21	5281 " " dump	.001	N/R	N/R	N/R	N/R
22	5283 " " dump	<.001	N/R	N/R	N/R	N/R
23	5284 " " V ₁	<.001	N/R	N/R	N/R	N/R
24	5285 " " dump	<.001	N/R	N/R	N/R	N/R
25	5286 C.G. V ₁	<.001	N/R	N/R	N/R	N/R
26	5287 " " dump	<.001	N/R	N/R	N/R	N/R
27	5297 " " dump	.001	N/R	N/R	N/R	N/R
28	5298 " " dump	<.001	N/R	N/R	N/R	N/R
29	5313 " " dump	.001	N/R	N/R	N/R	N/R
30	5314 " " V ₁	<.001	N/R	N/R	N/R	N/R
31	5282 Saddle	N/R	15.	310.	145.	<2.
32	5307 " "	N/R	15.	20.	40.	<2.
33	5309 " "	N/R	15.	25.	35.	<2.
34	5310 " "	N/R	10.	40.	65.	<2.
35	5311 " "	N/R	10.	10.	20.	<2.
36	5312 " "	N/R	15.	10.	25.	<2.

*NOTE: Greater than normal geochemical range.
 Please advise if fire assay is needed.

NOTE: N/R denotes analysis not requested.

NOTE: Spectrographic analysis pending.

REGISTERED ASSAYER
 CERTIFICATE NO. 9425
 WILLIAM L. LEHMBECK
 DATE SIGNED: 9/29/82
 Manager



SKYLINE LABS, INC.

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Tucson, Arizona 85703
(602) 622-4836

REPORT OF ANALYSIS

PRELIMINARY
JOB NO. UCW 006
September 29, 1982
Page 1 of 3

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GEOEX
CORPORATION
TUCSON, ARIZONA



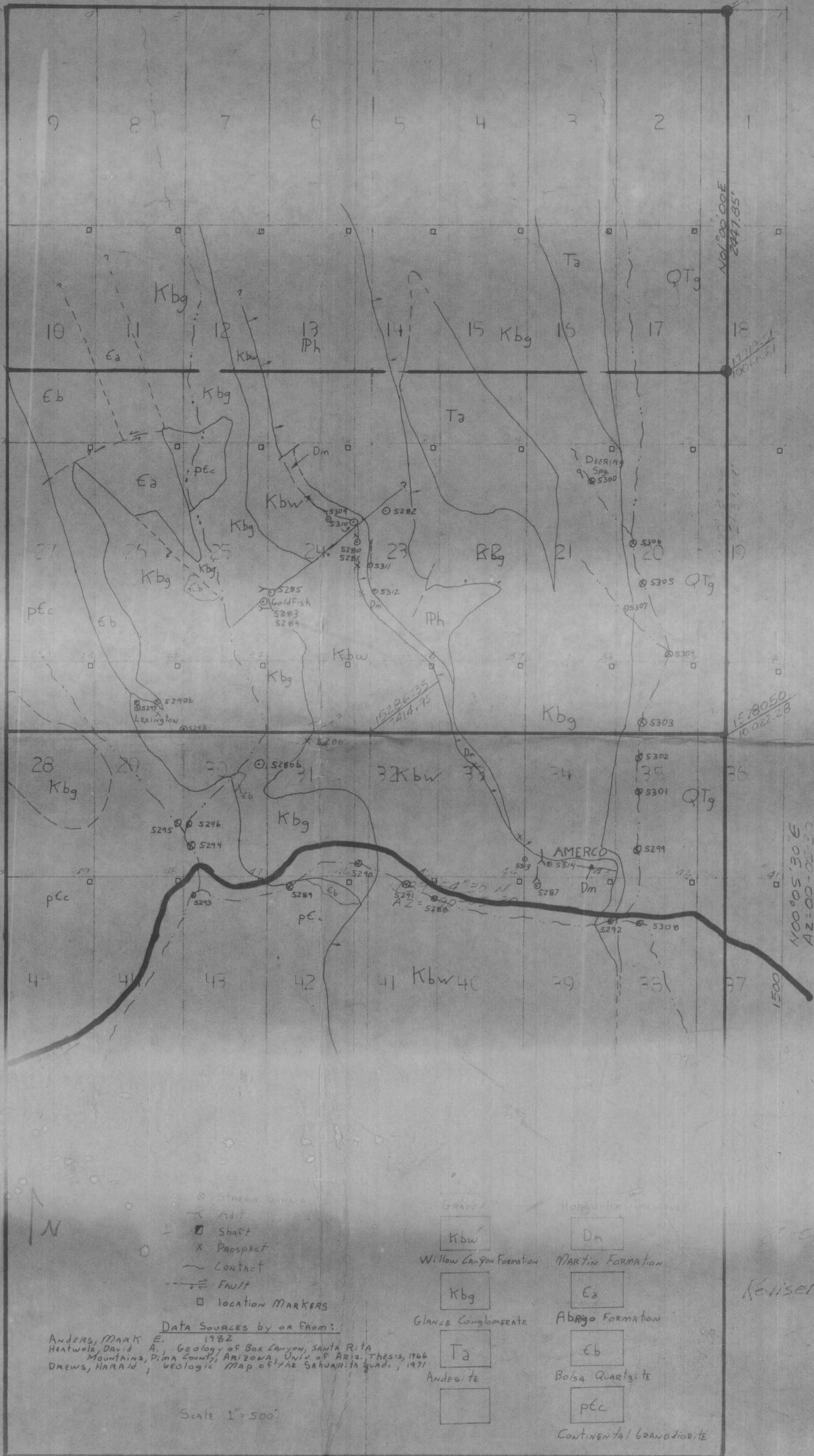
HEINRICH GEOEXPLORATION CO.
Attn.: Mr. Mark E. Anders
P.O. Box 5964
Tucson, Arizona 85703

REC'D SEP 29 1982

BOX 5884 TUCSON, ARIZONA 85789
Phone: (AREA 602) 623-0578

Analysis of 19 Stream Sediments and 17 Rock Chip Samples

ITEM	SAMPLE NO.	Au ppm	Ag ppm	Cu %	Pb %	Zn %
1	5288 S	<.02	N/R	N/R	N/R	N/R
2	5289 S	<.02	N/R	N/R	N/R	N/R
3	5290 S	<.02	N/R	N/R	N/R	N/R
4	5291 S	<.02	N/R	N/R	N/R	N/R
5	5292 S	<.02	N/R	N/R	N/R	N/R
6	5293 S	<.02	N/R	N/R	N/R	N/R
7	5294 S-	.09	N/R	N/R	N/R	N/R
8	5295 S	<.02	N/R	N/R	N/R	N/R
9	5296 S-	.19	N/R	N/R	N/R	N/R
10	5299 S	<.02	N/R	N/R	N/R	N/R
11	5300 S	<.02	N/R	N/R	N/R	N/R
12	5301 S	<.02	N/R	N/R	N/R	N/R
13	5302 S	<.02	N/R	N/R	N/R	N/R
14	5303 S	<.02	N/R	N/R	N/R	N/R
15	5304 S	<.02	N/R	N/R	N/R	N/R
16	5305 S	<.02	N/R	N/R	N/R	N/R
17	5306 S	<.02	N/R	N/R	N/R	N/R
18	5308 S	<.02	N/R	N/R	N/R	N/R
19	5315 S	<.02	N/R	N/R	N/R	N/R
20	5280 G.G. Vw -	.05	2.0	.01	.47	.33
21	5281 G.G. dump	>10.00*	55.0	.20	1.96	.28
22	5283 G.F. dump	2.60	11.0	.04	1.83	.17
23	5284 G.F. Vw	.63	4.0	.08	.65	.08
24	5285 G.F. dump	6.90	12.0	.01	.59	.11
25	5286 S.L. Vw	.12	.2	<.01	.04	.02



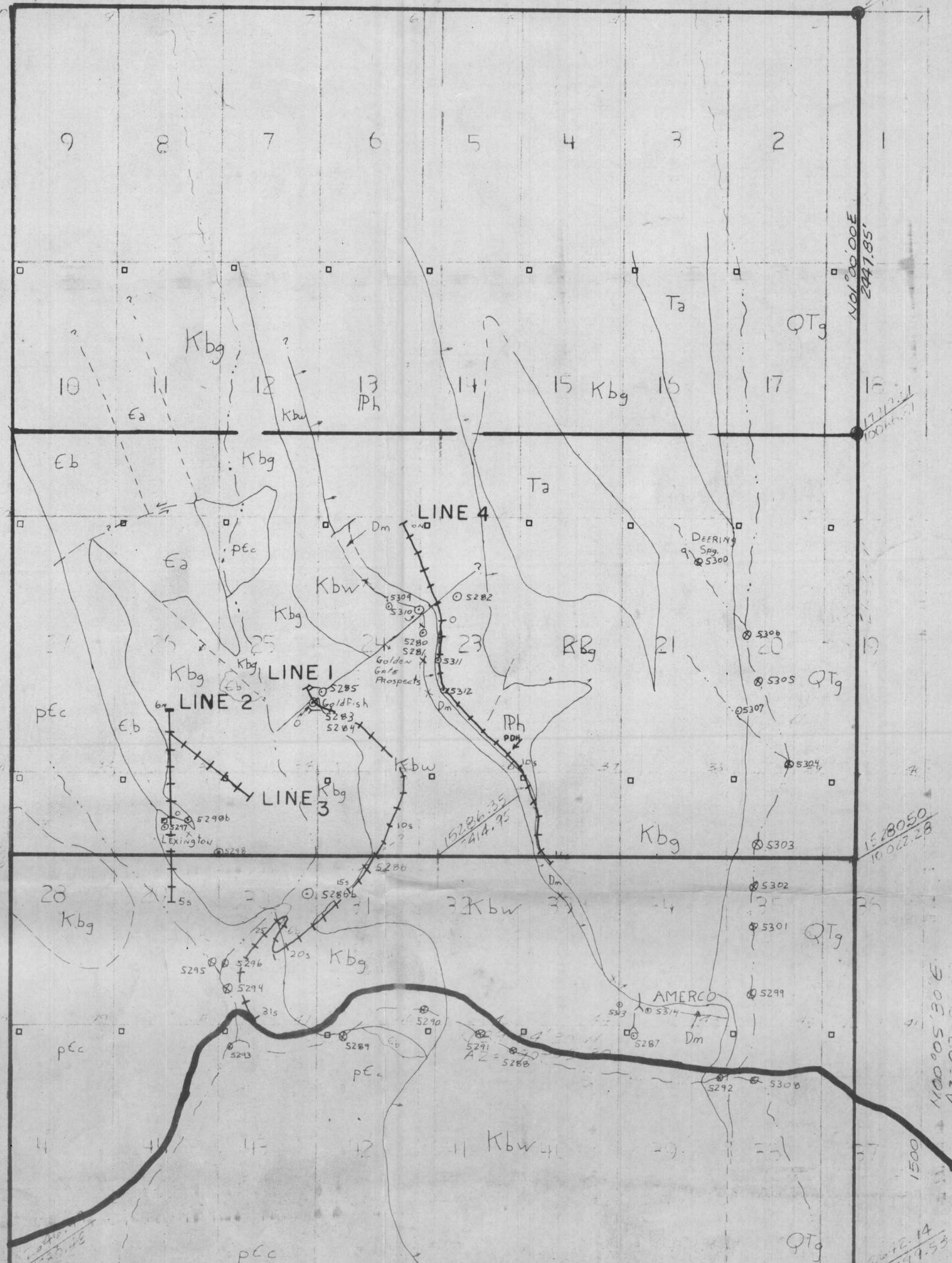
DATA SOURCES by or from:
 ANDERS, MARK E., 1982
 HEATWOLE, David A., Geology of Box Canyon, Santa Rita Mountains, Pima County, Arizona, Univ. of Ariz. Thesis, 1966
 DREWS, HAROLD, Geologic Map of the Sahuarita Quad, 1971

Scale 1" = 500'

- Stream Sample
 - × Adit
 - Shaft
 - × Prospect
 - Contact
 - - - Fault
 - location MARKERS
- | | |
|-------------------------|--------------------------|
| Kbw | Dm |
| Willow Canyon Formation | Martin Formation |
| Kbg | Ea |
| Glance Conglomerate | Abajo Formation |
| Ta | Eb |
| Andesite | Bolsa Quartzite |
| | pcc |
| | CONTINENTAL GRANODIORITE |

Revised Sept 30, 1981

FILE 30-031-121
 MASTER SHEET
 12 IN FILE



Solano Mining Claims

- Road (Box Canyon)
- SP EM, and Magnetic Profiles
- Rock chip Sample
- Stream Sample
- Airt
- Shaft
- Prospect
- Contact
- Fault
- Discovery Markers

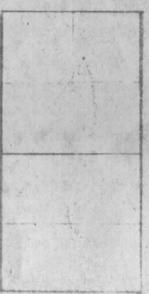
QTg	Ph
Gravel	Horquilla Limestone
Kbw	Dm
Willow Canyon Formation	Martin Formation
Kbg	Ea
Glance Conglomerate	Abrigo Formation
Ta	Eb
Andesite	Bolsa Quartzite
pEc	pEc
	Continental Granodiorite

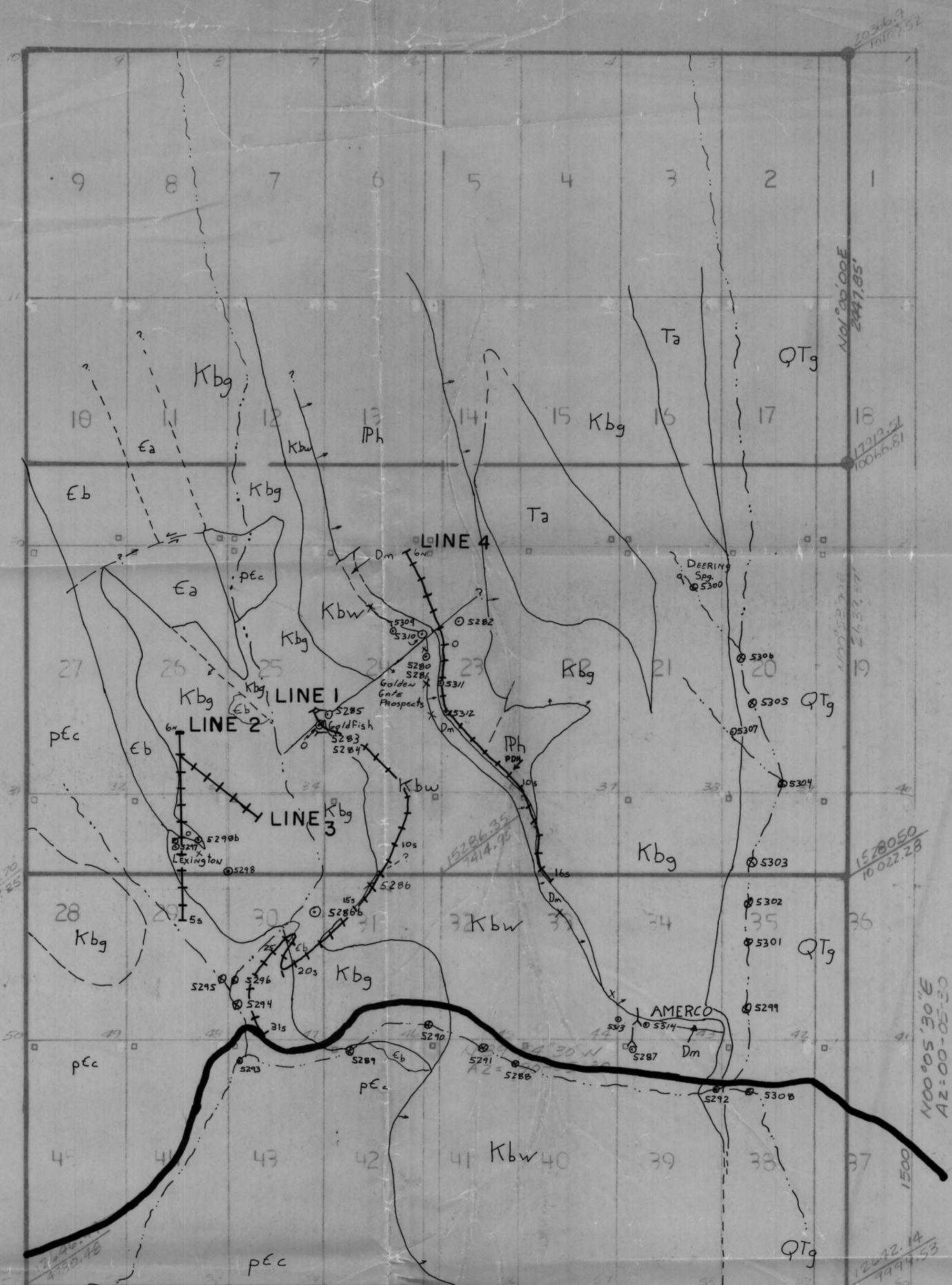
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ANDERS, MARK
 HEATWOLE, David A. Geology of Box Canyon, Santa Rita Mountains, Pima County, Arizona, Univ. of Ariz. Thesis, 1966
 DREWES, Harold, Geologic Map of the Sahuarita Quad., 1971

Scale 1" = 500'

N 01° 00' 00" E
 2447.85'
 17 12.11
 100 ft
 15 28 05 0
 10 0 2 28
 100° 05' 30" E
 AZ = 00 - 0
 1500
 12 12.14
 1449.53





Solano Mining Claims Pima County, Arizona

- ⊖ Road (Box Canyon)
- ⊕ SP, EM, and Magnetic Profiles
- Rock chip Sample
- ⊙ Stream Sample
- ⊖ Adit
- ⊠ Shaft
- ⊗ Prospect
- CONTACT
- - - FAULT
- DISCOVERY MARKERS

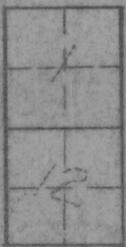
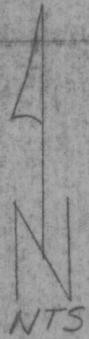
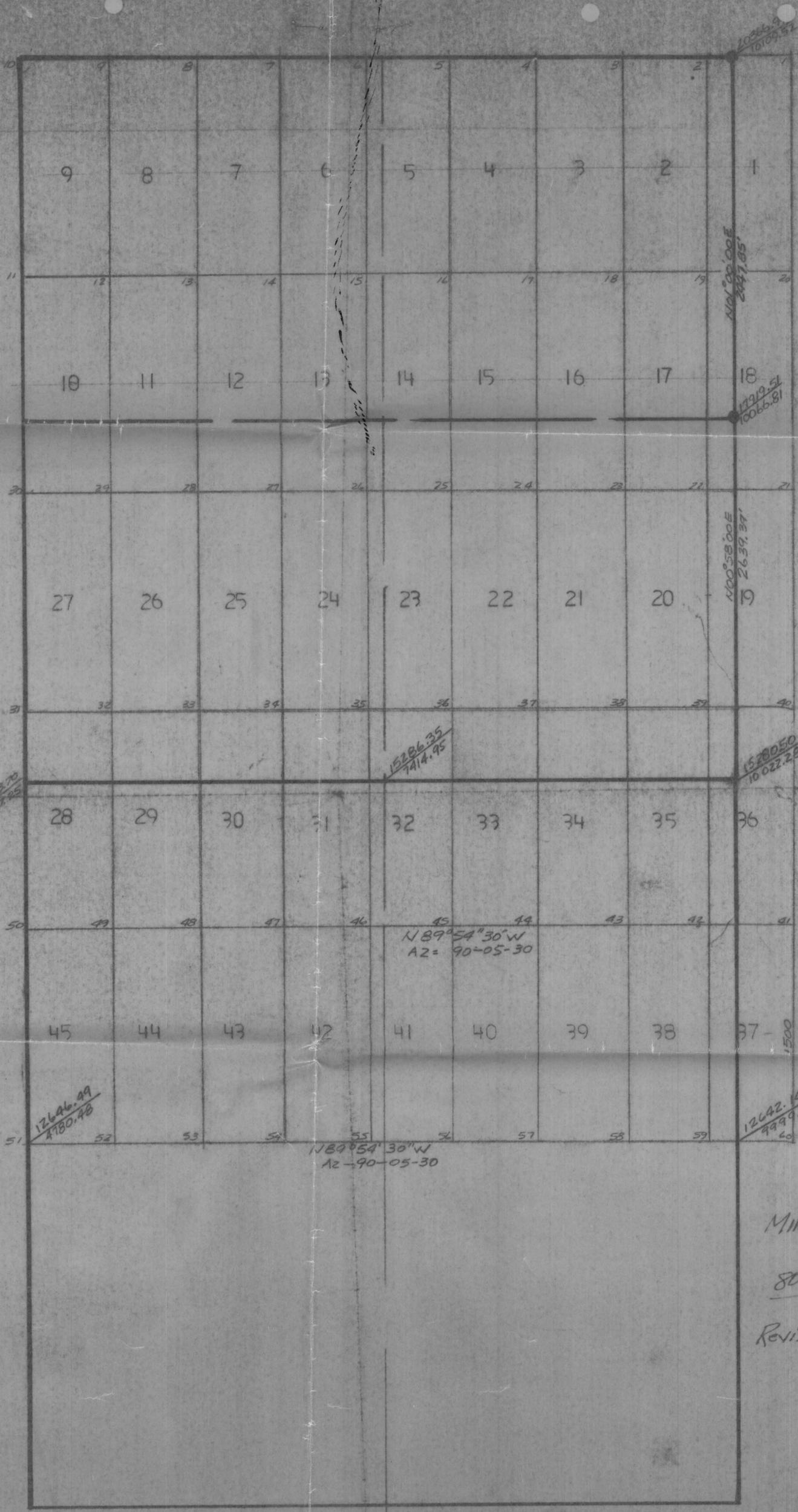
QTg	Ph
Gravel	Hogwilla limestone
Kbw	Dm
Willow Canyon Formation	Martin Formation
Kbg	Ea
Glance Conglomerate	Abajo Formation
Ta	Eb
Andesite	Bolsa Quartzite
	pEc
	Continental Granodiorite

DATA SOURCES by or from:
 ANDERS, MARK E. 1982
 Heatwole, David A. Geology of Box Canyon, Santa Rita Mountains, Pima County, Arizona, Univ. of Ariz. Thesis, 1966
 DREWES HAROLD, Geologic Map of the Santa Rita Quad., 1971

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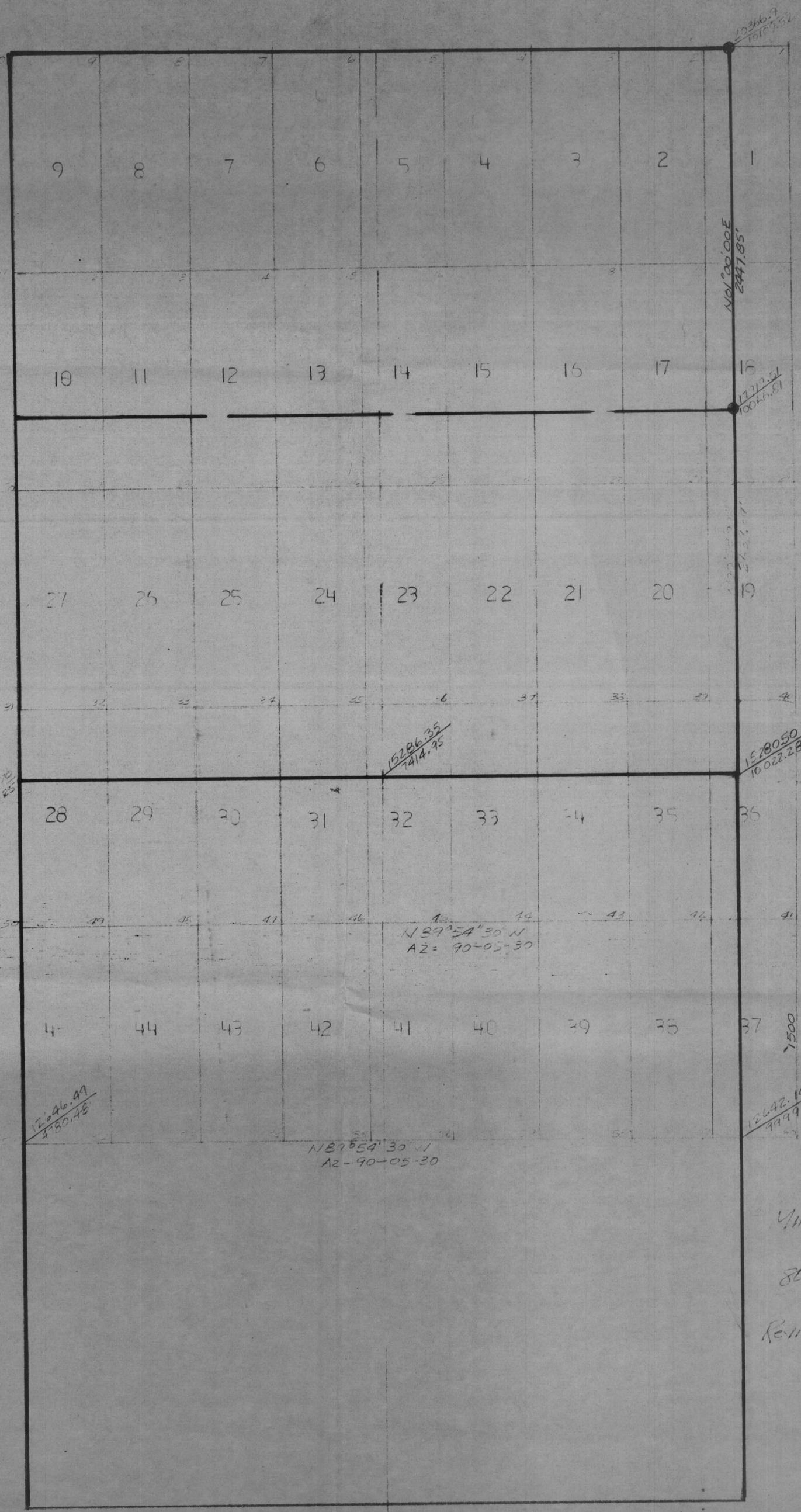
MINING CLAIMS
 80-031
 Revised Sept 30, 80

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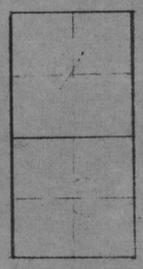


MINING
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 80-031
 Revised Sept 30/80

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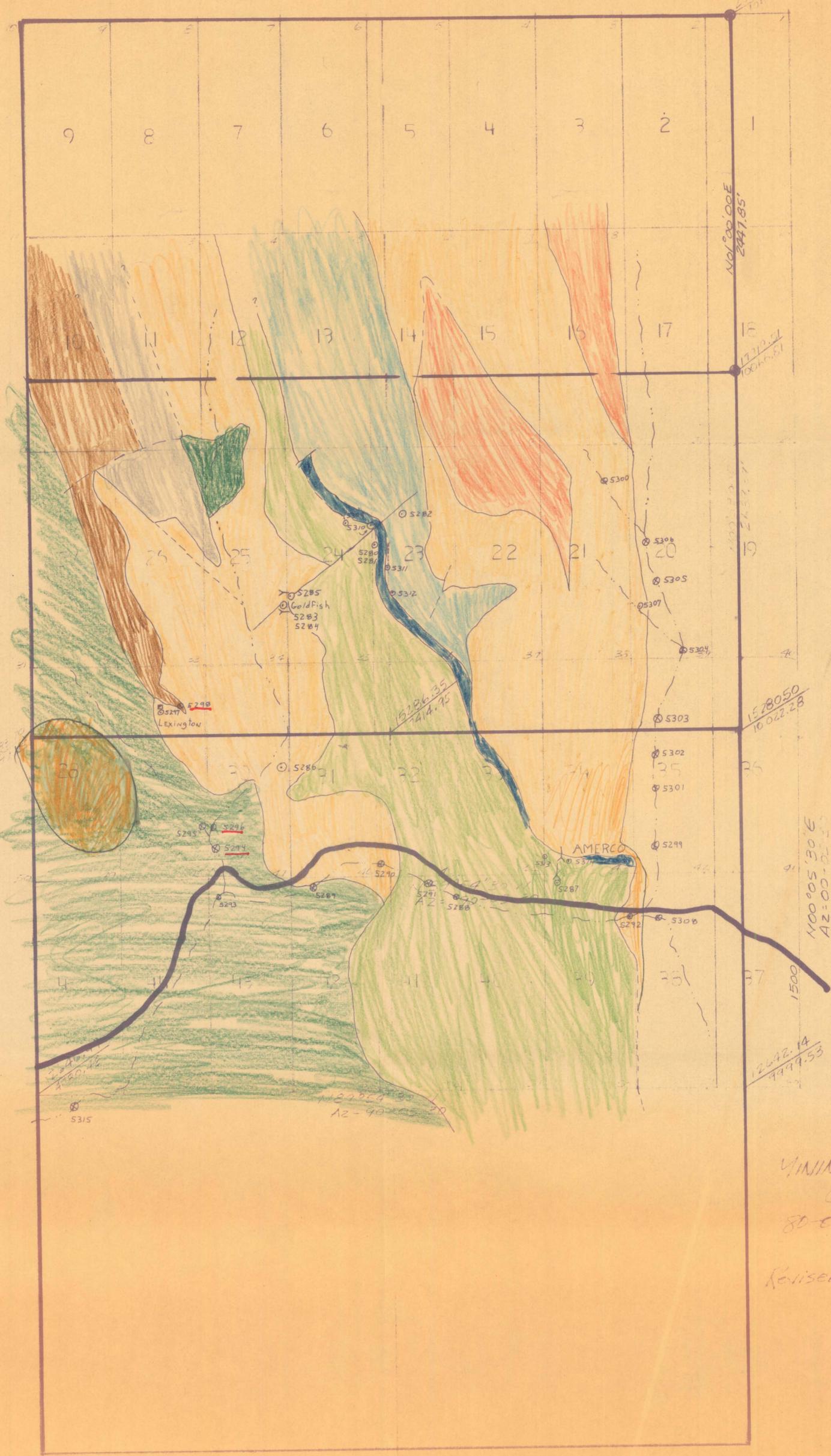
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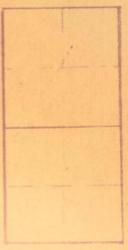
MINING
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 Revised Sept 30/80

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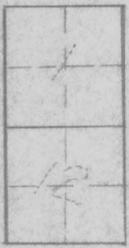
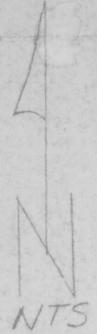
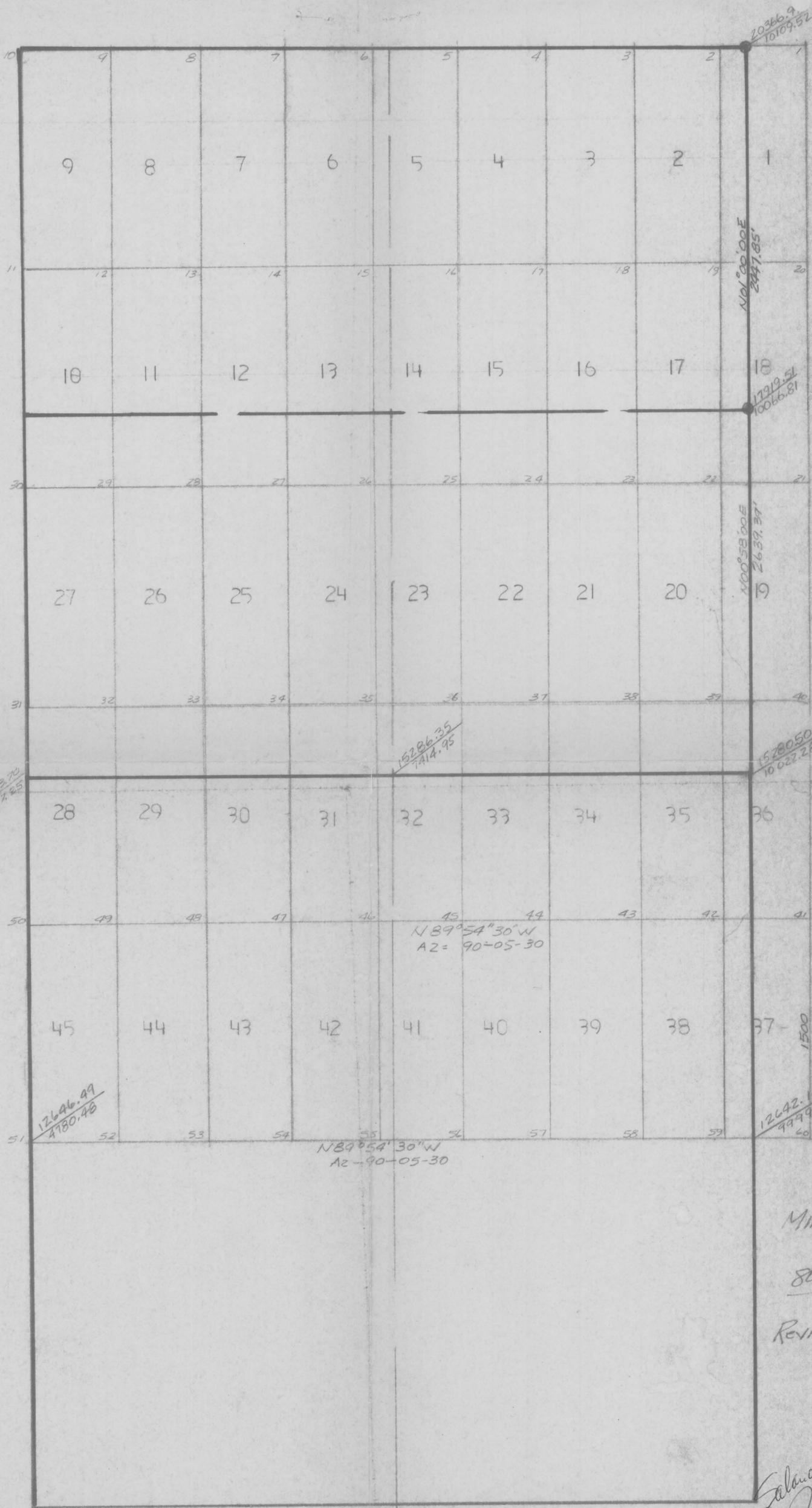


NTS



MINING
CLAIMS
80-031
Revised Sept 30/80

FILE 20-031
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FILE 80-031-121
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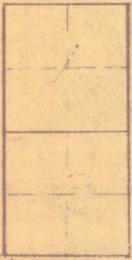
MINING
 CLAIMS
 80-031
 Revised Sept 30/80

Salano Mining Company
 Phoenix, AZ
 Job # 1568
 1/20/82

Map by: Lovestrom, Associates, Inc.
 3776 W. 1st Ave 293-4830
 Tucson, AZ



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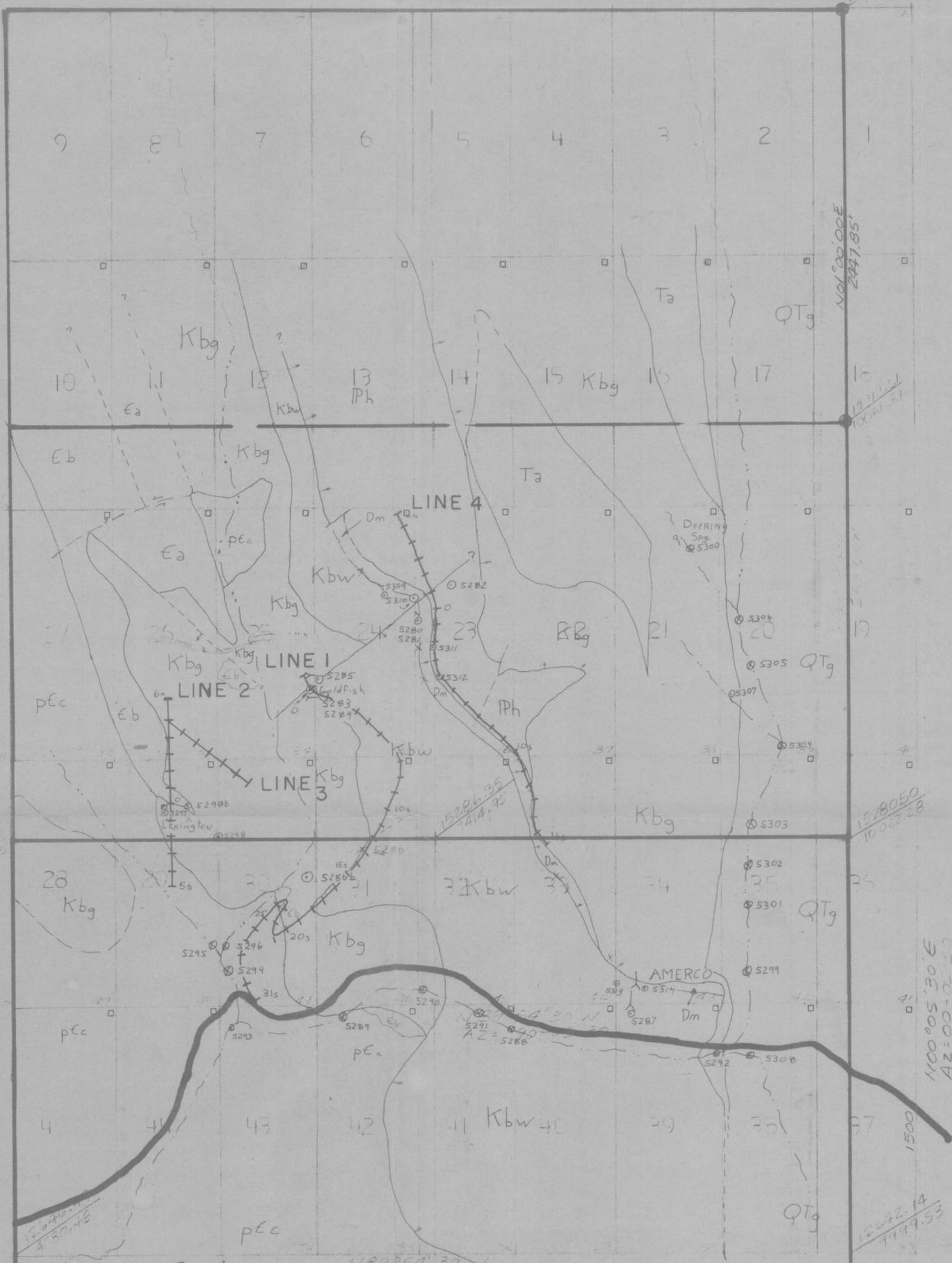


MINING CLAIMS
80-031
Revised Sept 30, 1980

FILE 80-031-121
MASTER SHEET
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B

2



Solano Mining Claims

- Road (Box Canyon)
- SP, EM, and Magnetic Profiles
- Rock chip Sample
- Stream Sample
- Adit
- Shaft
- Prospect
- Contact
- Fault
- Location Markers

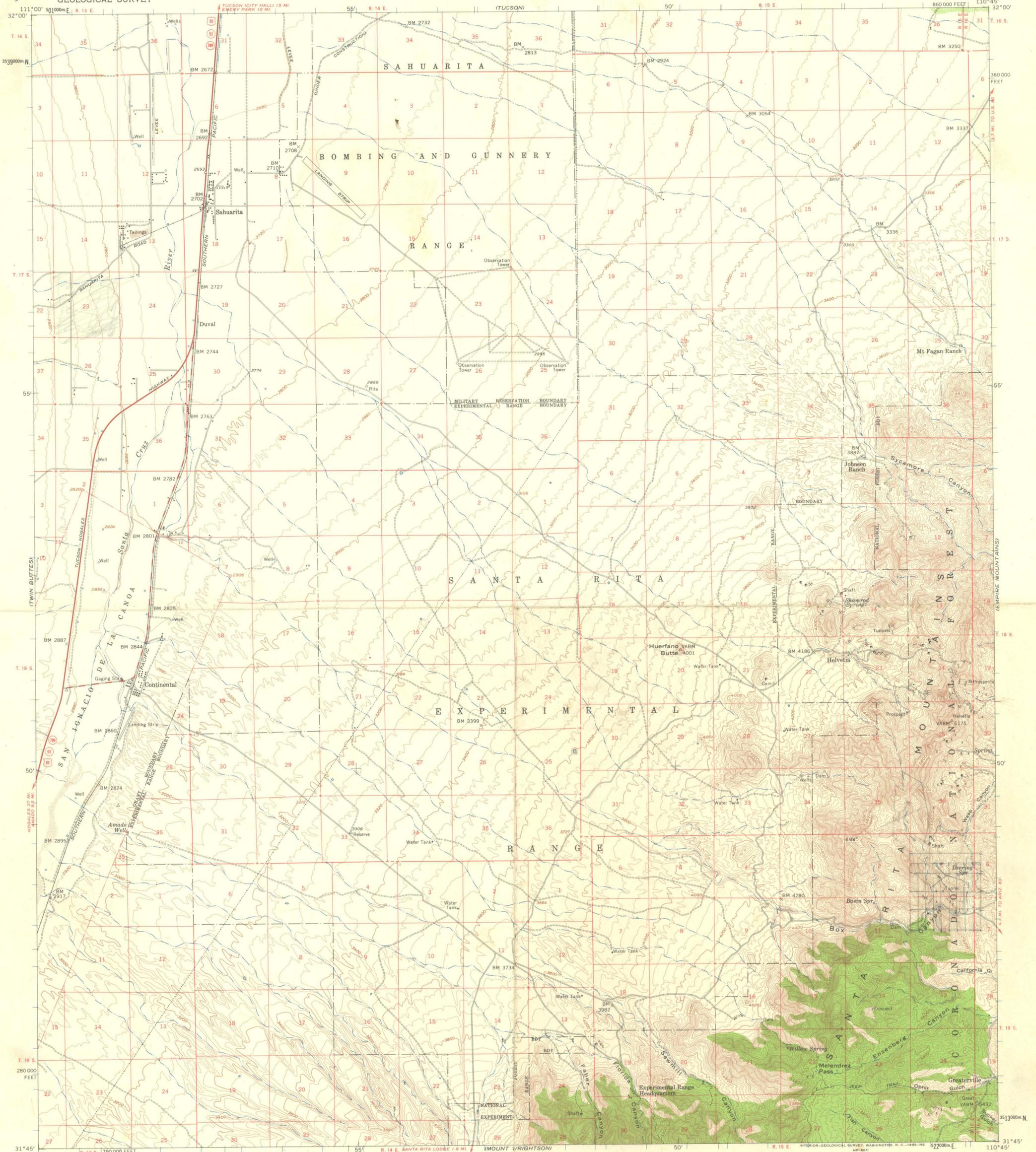
QTg	Ph
Gravel	Hogwilla limestone
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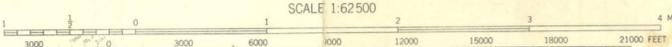
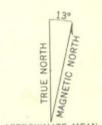
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MINING CLAIMS
 80-031
 Revised Sept 30, 1980

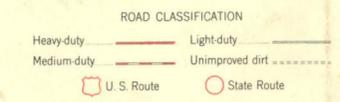
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Control by USGS and USC&GS
Topography from aerial photographs by ER-55 plotter
Aerial photographs taken 1955-1956. Field check 1958
Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue
Dashed land lines indicate approximate locations
Unchecked elevations are shown in brown

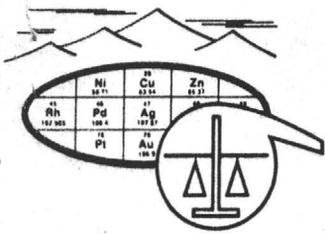


CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

SAHUARITA, ARIZ.
N3145-W11045/15
1958



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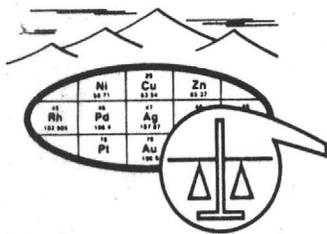
REPORT OF ANALYSIS

JOB NO. UCW 006
 October 1, 1982
 Page 1 of 3

HEINRICH GEOEXPLORATION CO.
 Attn.: Mr. Mark E. Anders
 P.O. Box 5964
 Tucson, Arizona 85703

Analysis of 19 Stream Sediments and 17 Rock Chip Samples

ITEM	SAMPLE NO.	Au ppm	Ag ppm	Cu %	Pb %	Zn %
1	5288	<.02	N/R	N/R	N/R	N/R
2	5289	<.02	N/R	N/R	N/R	N/R
3	5290	<.02	N/R	N/R	N/R	N/R
4	5291	<.02	N/R	N/R	N/R	N/R
5	5292	<.02	N/R	N/R	N/R	N/R
6	5293	<.02	N/R	N/R	N/R	N/R
7	5294	.09	N/R	N/R	N/R	N/R
8	5295	<.02	N/R	N/R	N/R	N/R
9	5296	.19	N/R	N/R	N/R	N/R
10	5299	<.02	N/R	N/R	N/R	N/R
11	5300	<.02	N/R	N/R	N/R	N/R
12	5301	<.02	N/R	N/R	N/R	N/R
13	5302	<.02	N/R	N/R	N/R	N/R
14	5303	<.02	N/R	N/R	N/R	N/R
15	5304	<.02	N/R	N/R	N/R	N/R
16	5305	<.02	N/R	N/R	N/R	N/R
17	5306	<.02	N/R	N/R	N/R	N/R
18	5308	<.02	N/R	N/R	N/R	N/R
19	5315	<.02	N/R	N/R	N/R	N/R
20	5280	.05	2.0	.01	.47	.33
21	5281	>10.00 *	55.0	.20	1.96	.28
22	5283	2.60	11.0	.04	1.83	.17
23	5284	.63	4.0	.08	.65	.08
24	5285	6.90	12.0	.01	.59	.11
25	5286	.12	.2	<.01	.04	.02

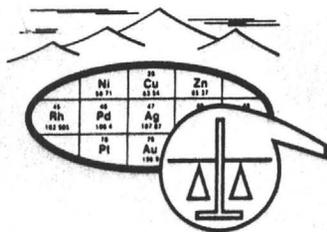


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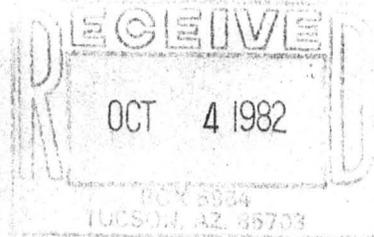
OCT 4 1982
 BOX 5064
 TUCSON, AZ 85703

JOB NO. UCW 006
 October 1, 1982
 PAGE 2

ITEM	SAMPLE NO.	Au ppm	Ag ppm	Cu %	Pb %	Zn %
26	5287	4.90	8.6	.14	1.08	1.80
27	5297	3.20	2.2	.01	.20	.07
28	5298	.78	1.0	<.01	.05	.03
29	5313	9.80	95.0	.10	4.20	.87
30	5314	.08	.4	.01	.12	.08
31	5282	<.02	.2	N/R	N/R	N/R
32	5307	<.02	<.2	N/R	N/R	N/R
33	5309	<.02	<.2	N/R	N/R	N/R
34	5310	<.02	.2	N/R	N/R	N/R
35	5311	<.02	<.2	N/R	N/R	N/R
36	5312	<.02	<.2	N/R	N/R	N/R



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 Tucson, Arizona 85703
 (602) 622-4836

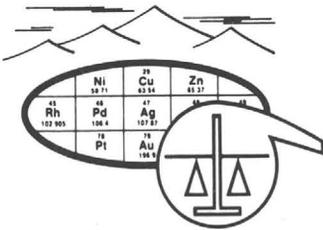


JOB NO. UCW 006
 October 1, 1982
 PAGE 3

ITEM	SAMPLE NO.	Mo %	Cu ppm	Pb ppm	Zn ppm	Mo ppm
20	5280	.003	N/R	N/R	N/R	N/R
21	5281	.001	N/R	N/R	N/R	N/R
22	5283	<.001	N/R	N/R	N/R	N/R
23	5284	<.001	N/R	N/R	N/R	N/R
24	5285	<.001	N/R	N/R	N/R	N/R
25	5286	<.001	N/R	N/R	N/R	N/R
26	5287	<.001	N/R	N/R	N/R	N/R
27	5297	.001	N/R	N/R	N/R	N/R
28	5298	<.001	N/R	N/R	N/R	N/R
29	5313	.001	N/R	N/R	N/R	N/R
30	5314	<.001	N/R	N/R	N/R	N/R
31	5282	N/R	15.	310.	145.	<2.
32	5307	N/R	15.	20.	40.	<2.
33	5309	N/R	15.	25.	35.	<2.
34	5310	N/R	10.	40.	65.	<2.
35	5311	N/R	10.	10.	20.	<2.
36	5312	N/R	15.	10.	25.	<2.

* Above normal geochemical limit. Please advise if fire assay is required.
 NOTE: N/R denotes analysis not requested.

William L. Lehbeck
 Manager



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REPORT OF SPECTROGRAPHIC ANALYSIS

JOB NO. UCW 006
October 1, 1982

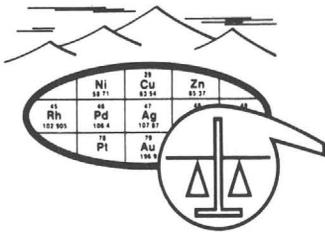
HEINRICH GEODEXPLORATION CO.
Attn.: Mr. Mark E. Anders
P.O. Box 5964
Tucson, Arizona 85703



Analysis of 19 Samples

The attached pages comprise this report of analysis. Values are reported in parts per million (ppm), except where otherwise noted, to the nearest number in the series 1, 1.5, 2, 3, 5, 7, 10, etc. within each order of magnitude. These numbers represent the approximate boundaries and midpoints of arbitrary ranges of concentration differing by the reciprocal of the cube root of ten. The 'accepted' value is considered to be within + or - 1 step of the range reported at the 68 % confidence level and within + or - 2 steps at the 95 % confidence level.

REGISTERED ASSAYER
CERTIFICATE NO.
9425
WILLIAM L.
LEHMBECK
DATE SIGNED: 10/1/82
William L. Lehmbek
Manager



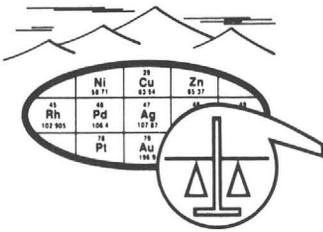
SKYLINE LABS, INC.

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 (602) 622-4836

JOB NO. UCW 006
 PAGE 2

ITEM NO. SAMPLE NO.
 1 = 5288
 2 = 5289
 3 = 5290
 4 = 5291
 5 = 5292
 6 = 5293
 7 = 5294
 8 = 5295

ITEM	1	2	3	4	5	6	7	8
ELEMENT								
Fe	2%	5%	2%	2%	10%	7%	10%	10%
Ca	2%	2%	3%	1%	3%	2%	1.5%	1%
Mg	.7%	.7%	.7%	.5%	.7%	.7%	.7%	.7%
Ag	<1	<1	<1	<1	<1	<1	<1	<1
As	<500	<500	<500	<500	<500	<500	<500	<500
B	10	20	15	<10	10	15	<10	<10
Ba	150	150	70	100	150	200	150	300
Be	<2	<2	<2	<2	<2	<2	2	<2
Bi	<10	<10	<10	<10	<10	<10	<10	<10
Cd	<50	<50	<50	<50	<50	<50	<50	<50
Co	<5	5	<5	<5	7	5	10	10
Cr	<10	<10	<10	<10	<10	<10	<10	<10
Cu	7	7	3	5	15	15	30	50
Ga	<10	<10	<10	<10	<10	<10	15	10
Ge	<20	<20	<20	<20	<20	<20	<20	<20
La	<20	<20	<20	<20	<20	<20	<20	30
Mn	700	700	500	300	1000	700	700	700
Mo	<2	<2	<2	<2	<2	<2	<2	<2
Nb	<20	<20	<20	<20	20	<20	30	30
Ni	<5	5	<5	<5	20	10	20	20
Pb	10	15	30	<10	30	30	50	50
Sb	<100	<100	<100	<100	<100	<100	<100	<100
Sc	<10	<10	<10	<10	<10	<10	10	15
Sn	<10	<10	<10	<10	<10	<10	10	<10
Sr	<100	<100	<100	<100	<100	<100	<100	<100
Ti	2000	3000	2000	1500	7000	5000	7000	10000
V	30	70	30	20	300	50	200	150
W	<50	<50	<50	<50	<50	<50	<50	<50
Y	<10	10	<10	<10	15	20	70	70
Zn	<200	<200	<200	<200	<200	<200	200	200
Zr	100	150	100	30	700	150	300	700



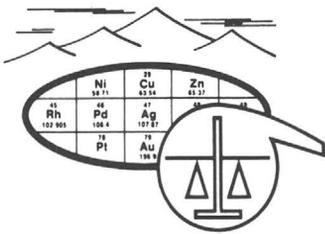
SKYLINE LABS, INC.

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JOB NO. UCW 006
 PAGE 3

ITEM NO. SAMPLE NO.
 9 = 5296
 10 = 5299
 11 = 5300
 12 = 5301
 13 = 5302
 14 = 5303
 15 = 5304
 16 = 5305

ITEM	9	10	11	12	13	14	15	16
ELEMENT								
Fe	10%	5%	7%	5%	10%	5%	5%	7%
Ca	.5%	3%	5%	5%	5%	5%	3%	5%
Mg	.7%	.7%	1.5%	.7%	.7%	.7%	.5%	.5%
Ag	<1	<1	<1	<1	<1	<1	<1	<1
As	<500	<500	<500	<500	<500	<500	<500	<500
B	<10	10	<10	<10	<10	10	15	15
Ba	200	100	150	100	150	150	200	200
Be	2	<2	<2	<2	<2	<2	<2	<2
Bi	<10	<10	<10	<10	<10	<10	<10	<10
Cd	<50	<50	<50	<50	<50	<50	<50	<50
Co	7	<5	30	<5	7	5	<5	<5
Cr	<10	<10	<10	<10	<10	<10	<10	<10
Cu	15	7	50	10	20	20	15	15
Ga	10	<10	<10	<10	<10	<10	<10	<10
Ge	<20	<20	<20	<20	<20	<20	<20	<20
La	<20	<20	<20	<20	<20	<20	<20	<20
Mn	700	500	700	500	700	700	500	700
Mo	<2	<2	<2	<2	<2	<2	<2	<2
Nb	30	<20	20	<20	20	<20	<20	20
Ni	20	<5	70	7	20	15	5	10
Pb	150	<10	15	10	15	15	15	15
Sb	<100	<100	<100	<100	<100	<100	<100	<100
Sc	10	<10	10	<10	<10	<10	<10	<10
Sn	10	<10	<10	<10	<10	<10	<10	<10
Sr	<100	<100	100	<100	<100	<100	<100	<100
Ti	10000	3000	10000	5000	10000	7000	3000	7000
V	200	30	100	50	300	50	30	100
W	<50	<50	<50	<50	<50	<50	<50	<50
Y	70	<10	10	10	15	<10	<10	30
Zn	<200	<200	<200	<200	<200	<200	<200	<200
Zr	700	100	70	150	150	150	150	300

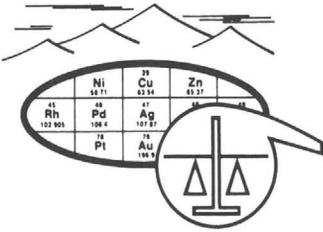


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JOB NO. UCW 006
 PAGE 4

ITEM NO. SAMPLE NO.
 17 = 5306
 18 = 5308
 19 = 5315

ITEM	17	18	19
ELEMENT			
Fe	7%	5%	3%
Ca	5%	3%	1.5%
Mg	.7%	.5%	.5%
Ag	<1	<1	<1
As	<500	<500	<500
B	<10	10	10
Ba	150	200	200
Be	<2	<2	<2
Bi	<10	<10	<10
Cd	<50	<50	<50
Co	<5	<5	5
Cr	<10	<10	<10
Cu	20	20	10
Ga	<10	<10	<10
Ge	<20	<20	<20
La	<20	<20	<20
Mn	700	500	500
Mo	<2	<2	<2
Nb	<20	<20	<20
Ni	15	<5	7
Pb	10	<10	15
Sb	<100	<100	<100
Sc	<10	<10	<10
Sn	<10	<10	<10
Sr	<100	<100	<100
Ti	5000	3000	3000
V	70	50	50
W	<50	<50	<50
Y	<10	10	15
Zn	<200	<200	<200
Zr	300	70	150



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INVOICE
 NET 30 DAYS

JOB NO. UCW 006
 October 1, 1982

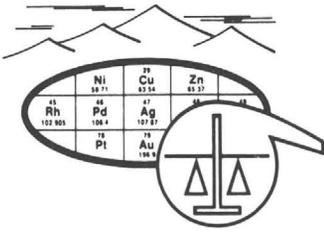
HEINRICH GEOEXPLORATION CO.
 Attn.: Mr. Mark E. Anders
 P.O. Box 5964
 Tucson, Arizona 85703

Analysis of 19 Stream Sediments and 17 Rock Chip Samples

36 Au(ppm)	@ \$ 4.10.....	\$ 147.60
17 Ag(ppm)	@ \$ 2.50.....	\$ 42.50
11 Cu(%)	@ \$ 2.66*.....	\$ 29.26
11 Pb(%)	@ \$ 2.66*.....	\$ 29.26
11 Zn(%)	@ \$ 2.66*.....	\$ 29.26
11 Mo(%)	@ \$ 3.40.....	\$ 37.40
6 Cu(ppm)	@ \$ 2.25.....	\$ 13.50
6 Pb(ppm)	@ \$ 2.25.....	\$ 13.50
6 Zn(ppm)	@ \$ 2.25.....	\$ 13.50
6 Mo(ppm)	@ \$ 2.50.....	\$ 15.00
19 SPEC	@ \$15.00**.....	\$ 285.00
17 Samples crushed, split and pulverized	@ \$ 3.10..	\$ 52.70
19 Samples sieved	@ \$.85.....	\$ 16.15

TOTAL \$724.63

* Multiple element discount
 ** Quantity discount



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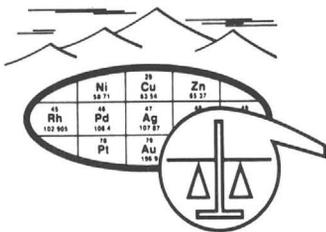
REPORT OF ANALYSIS

JOB NO. UCW 006
 October 1, 1982
 Page 1 of 3

HEINRICH GEOEXPLORATION CO.
 Attn.: Mr. Mark E. Anders
 P.O. Box 5964
 Tucson, Arizona 85703

Analysis of 19 Stream Sediments and 17 Rock Chip Samples

ITEM	SAMPLE NO.	Au ppm	Ag ppm	Cu %	Pb %	Zn %
1	5288	<.02	N/R	N/R	N/R	N/R
2	5289	<.02	N/R	N/R	N/R	N/R
3	5290	<.02	N/R	N/R	N/R	N/R
4	5291	<.02	N/R	N/R	N/R	N/R
5	5292	<.02	N/R	N/R	N/R	N/R
6	5293	<.02	N/R	N/R	N/R	N/R
7	5294	.09	N/R	N/R	N/R	N/R
8	5295	<.02	N/R	N/R	N/R	N/R
9	5296	.19	N/R	N/R	N/R	N/R
10	5299	<.02	N/R	N/R	N/R	N/R
11	5300	<.02	N/R	N/R	N/R	N/R
12	5301	<.02	N/R	N/R	N/R	N/R
13	5302	<.02	N/R	N/R	N/R	N/R
14	5303	<.02	N/R	N/R	N/R	N/R
15	5304	<.02	N/R	N/R	N/R	N/R
16	5305	<.02	N/R	N/R	N/R	N/R
17	5306	<.02	N/R	N/R	N/R	N/R
18	5308	<.02	N/R	N/R	N/R	N/R
19	5315	<.02	N/R	N/R	N/R	N/R
20	5280	.05	2.0	.01	.47	.33
21	5281	>10.00 *	55.0	.20	1.96	.28
22	5283	2.60	11.0	.04	1.83	.17
23	5284	.63	4.0	.08	.65	.08
24	5285	6.90	12.0	.01	.59	.11
25	5286	.12	.2	<.01	.04	.02

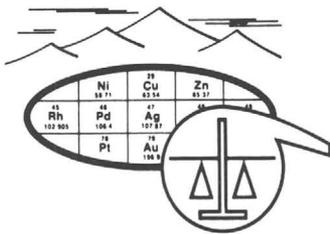


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JOB NO. UCW 006
 October 1, 1982
 PAGE 2

ITEM	SAMPLE NO.	Au ppm	Ag ppm	Cu %	Pb %	Zn %
26	5287	4.90	8.6	.14	1.08	1.80
27	5297	3.20	2.2	.01	.20	.07
28	5298	.78	1.0	<.01	.05	.03
29	5313	9.80	95.0	.10	4.20	.87
30	5314	.08	.4	.01	.12	.08
31	5282	<.02	.2	N/R	N/R	N/R
32	5307	<.02	<.2	N/R	N/R	N/R
33	5309	<.02	<.2	N/R	N/R	N/R
34	5310	<.02	.2	N/R	N/R	N/R
35	5311	<.02	<.2	N/R	N/R	N/R
36	5312	<.02	<.2	N/R	N/R	N/R



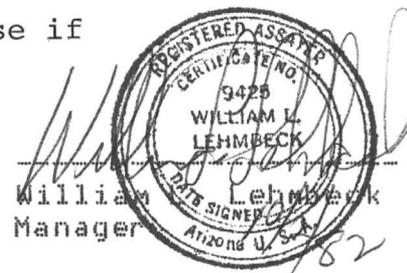
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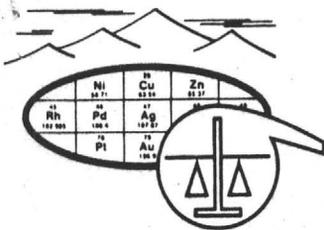


JOB NO. UCW 006
 October 1, 1982
 PAGE 3

ITEM	SAMPLE NO.	Mo %	Cu ppm	Pb ppm	Zn ppm	Mo ppm
20	5280	.003	N/R	N/R	N/R	N/R
21	5281	.001	N/R	N/R	N/R	N/R
22	5283	<.001	N/R	N/R	N/R	N/R
23	5284	<.001	N/R	N/R	N/R	N/R
24	5285	<.001	N/R	N/R	N/R	N/R
25	5286	<.001	N/R	N/R	N/R	N/R
26	5287	<.001	N/R	N/R	N/R	N/R
27	5297	.001	N/R	N/R	N/R	N/R
28	5298	<.001	N/R	N/R	N/R	N/R
29	5313	.001	N/R	N/R	N/R	N/R
30	5314	<.001	N/R	N/R	N/R	N/R
31	5282	N/R	15.	310.	145.	<2.
32	5307	N/R	15.	20.	40.	<2.
33	5309	N/R	15.	25.	35.	<2.
34	5310	N/R	10.	40.	65.	<2.
35	5311	N/R	10.	10.	20.	<2.
36	5312	N/R	15.	10.	25.	<2.

* Above normal geochemical limit. Please advise if fire assay is required.
 NOTE: N/R denotes analysis not requested.


 William L. Lehmbek
 Manager

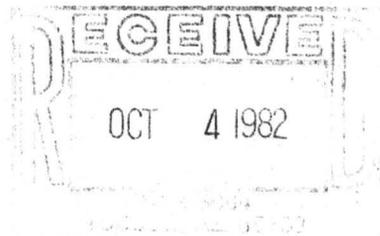



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REPORT OF SPECTROGRAPHIC ANALYSIS

JOB NO. UCW 006
October 1, 1982

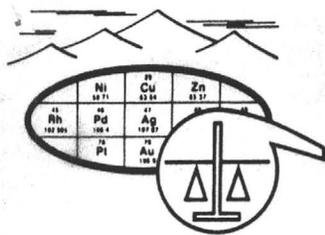
HEINRICH GEODEXPLORATION CO.
Attn.: Mr. Mark E. Anders
P.O. Box 5964
Tucson, Arizona 85703



Analysis of 19 Samples

The attached pages comprise this report of analysis. Values are reported in parts per million (ppm), except where otherwise noted, to the nearest number in the series 1, 1.5, 2, 3, 5, 7, 10, etc. within each order of magnitude. These numbers represent the approximate boundaries and midpoints of arbitrary ranges of concentration differing by the reciprocal of the cube root of ten. The 'accepted' value is considered to be within + or - 1 step of the range reported at the 68 % confidence level and within + or - 2 steps at the 95 % confidence level.

William L. Lembeck
William L. Lembeck
Manager



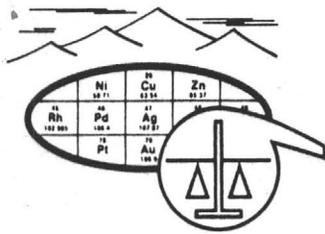
SKYLINE LABS, INC.

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 (602) 622-4836

JOB NO. UCW 006
 PAGE 2

ITEM NO. SAMPLE NO.
 1 = 5288
 2 = 5289
 3 = 5290
 4 = 5291
 5 = 5292
 6 = 5293
 7 = 5294
 8 = 5295

ITEM	1	2	3	4	5	6	7	8
ELEMENT								
Fe	2%	5%	2%	2%	10%	7%	10%	10%
Ca	2%	2%	3%	1%	3%	2%	1.5%	1%
Mg	.7%	.7%	.7%	.5%	.7%	.7%	.7%	.7%
Ag	<1	<1	<1	<1	<1	<1	<1	<1
As	<500	<500	<500	<500	<500	<500	<500	<500
B	10	20	15	<10	10	15	<10	<10
Ba	150	150	70	100	150	200	150	300
Be	<2	<2	<2	<2	<2	<2	2	<2
Bi	<10	<10	<10	<10	<10	<10	<10	<10
Cd	<50	<50	<50	<50	<50	<50	<50	<50
Co	<5	5	<5	<5	7	5	10	10
Cr	<10	<10	<10	<10	<10	<10	<10	<10
Cu	7	7	3	5	15	15	30	50
Ga	<10	<10	<10	<10	<10	<10	15	10
Ge	<20	<20	<20	<20	<20	<20	<20	<20
La	<20	<20	<20	<20	<20	<20	<20	30
Mn	700	700	500	300	1000	700	700	700
Mo	<2	<2	<2	<2	<2	<2	<2	<2
Nb	<20	<20	<20	<20	20	<20	30	30
Ni	<5	5	<5	<5	20	10	20	20
Pb	10	15	30	<10	30	30	50	50
Sb	<100	<100	<100	<100	<100	<100	<100	<100
Sc	<10	<10	<10	<10	<10	<10	10	15
Sn	<10	<10	<10	<10	<10	<10	10	<10
Sr	<100	<100	<100	<100	<100	<100	<100	<100
Ti	2000	3000	2000	1500	7000	5000	7000	10000
V	30	70	30	20	300	50	200	150
W	<50	<50	<50	<50	<50	<50	<50	<50
Y	<10	10	<10	<10	15	20	70	70
Zn	<200	<200	<200	<200	<200	<200	200	200
Zr	100	150	100	30	700	150	300	700



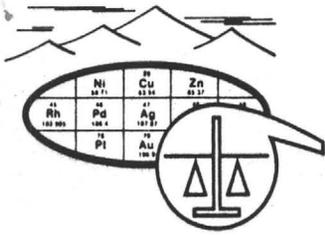
SKYLINE LABS, INC.

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 (602) 622-4836

JOB NO. UCW 006
 PAGE 3

ITEM NO. SAMPLE NO.
 9 = 5296
 10 = 5299
 11 = 5300
 12 = 5301
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 14 = 5303
 15 = 5304
 16 = 5305

ITEM	9	10	11	12	13	14	15	16
ELEMENT								
Fe	10%	5%	7%	5%	10%	5%	5%	7%
Ca	.5%	3%	5%	5%	5%	5%	3%	5%
Mg	.7%	.7%	1.5%	.7%	.7%	.7%	.5%	.5%
Ag	<1	<1	<1	<1	<1	<1	<1	<1
As	<500	<500	<500	<500	<500	<500	<500	<500
B	<10	10	<10	<10	<10	10	15	15
Ba	200	100	150	100	150	150	200	200
Be	2	<2	<2	<2	<2	<2	<2	<2
Bi	<10	<10	<10	<10	<10	<10	<10	<10
Cd	<50	<50	<50	<50	<50	<50	<50	<50
Co	7	<5	30	<5	7	5	<5	<5
Cr	<10	<10	<10	<10	<10	<10	<10	<10
Cu	15	7	50	10	20	20	15	15
Ga	10	<10	<10	<10	<10	<10	<10	<10
Ge	<20	<20	<20	<20	<20	<20	<20	<20
La	<20	<20	<20	<20	<20	<20	<20	<20
Mn	700	500	700	500	700	700	500	700
Mo	<2	<2	<2	<2	<2	<2	<2	<2
Nb	30	<20	20	<20	20	<20	<20	20
Ni	20	<5	70	7	20	15	5	10
Pb	150	<10	15	10	15	15	15	15
Sb	<100	<100	<100	<100	<100	<100	<100	<100
Sc	10	<10	10	<10	<10	<10	<10	<10
Sn	10	<10	<10	<10	<10	<10	<10	<10
Sr	<100	<100	100	<100	<100	<100	<100	<100
Ti	10000	3000	10000	5000	10000	7000	3000	7000
V	200	30	100	50	300	50	30	100
W	<50	<50	<50	<50	<50	<50	<50	<50
Y	70	<10	10	10	15	<10	<10	30
Zn	<200	<200	<200	<200	<200	<200	<200	<200
Zr	700	100	70	150	150	150	150	300



SKYLINE LABS, INC.

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

JOB NO. UCW 006
 PAGE 4

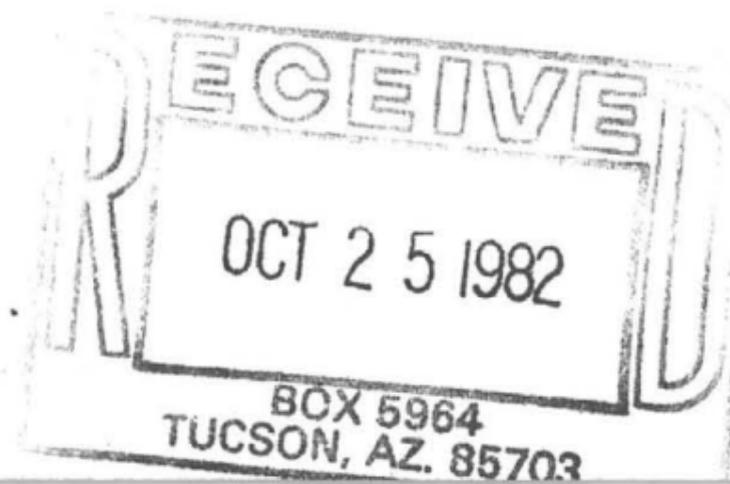
ITEM NO. SAMPLE NO.
 17 = 5306
 18 = 5308
 19 = 5315

ITEM	17	18	19
ELEMENT			
Fe	7%	5%	3%
Ca	5%	3%	1.5%
Mg	.7%	.5%	.5%
Ag	<1	<1	<1
As	<500	<500	<500
B	<10	10	10
Ba	150	200	200
Be	<2	<2	<2
Bi	<10	<10	<10
Cd	<50	<50	<50
Co	<5	<5	5
Cr	<10	<10	<10
Cu	20	20	10
Ga	<10	<10	<10
Ge	<20	<20	<20
La	<20	<20	<20
Mn	700	500	500
Mo	<2	<2	<2
Nb	<20	<20	<20
Ni	15	<5	7
Pb	10	<10	15
Sb	<100	<100	<100
Sc	<10	<10	<10
Sn	<10	<10	<10
Sr	<100	<100	<100
Ti	5000	3000	3000
V	70	50	50
W	<50	<50	<50
Y	<10	10	15
Zn	<200	<200	<200
Zr	300	70	150

****A T T E N T I O N ****

In a effort to expedite the acknowledgement procedure, we have simply photocopied what was submitted to this office but showing the Bureau of Land Management received stamp. This DOES NOT mean it has been reviewed or processed just received. As a reminder, do not forget to record the following with the county: Amendments, and all Transfer of Ownership.

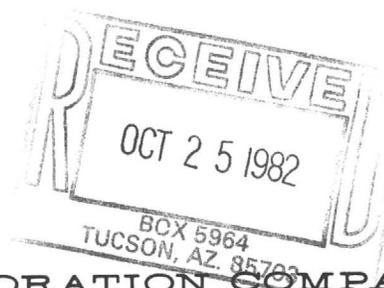
RETAIN THIS PHOTOCOPY AS IT IS THE OFFICIAL ACKNOWLEDGEMENT OF RECEIPT !!!





HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964, TUCSON, ARIZONA 85703, 806 WEST GRANT ROAD, PHONE: (602) 623-0578



October 13, 1982

U.S. Bureau of Land Management
Arizona State Office
2400 Valley Bank Ctr.
Phoenix, Arizona 85073

Attention: Mining Records Department

As required evidence of assessment work done, pursuant to the federal Land Policy and Management Act of 1976, enclosed are machine copies of the recorded affidavits concerning the attached listing of thirty-six (36) Arizona mining claims.

In order for us to be assured that these documents fulfill the requirements of the current Federal regulations and law, as prima facie evidence of the assessment work done, your written acknowledgment or exceptions to same are respectfully requested, to the above address, please.

Truly,
Heinrichs GEOEXploration Co.

Mark E. Anders
Mark E. Anders

RECEIVED
B. L. M. AZ STATE OFFICE

OCT 15 1982

07:45 A.M.
PHOENIX, ARIZONA

EXHIBIT A

<u>NAME OF LODE CLAIM</u>	<u>SECTION #</u>	<u>DATE OF LOCATION</u>	<u>BLM SERIAL No.</u>	<u>DOCKET</u>	<u>PAGE</u>
Solano #12	N & S ² Sec. 1	11/17/80	AMC 116488	6410	1058
Solano #13	N & S ² Sec. 1	11/17/80	AMC 116489	6410	1059
Solano #14	N & S ² Sec. 1	11/12/80	AMC 116490	6405	1014
Solano #15	N & S ² Sec. 1	11/12/80	AMC 116491	6405	1016
Solano #16	N & S ² Sec. 1	11/12/80	AMC 116492	6405	1018
Solano #17	N & S ² Sec. 1	11/12/80	AMC 116493	6405	1020
Solano #18	N & S ² Sec. 1 & 6	11/12/80	AMC 116494	6405	1022
Solano #19	N & S ² Sec. 1 & 6	10/11/80	AMC 112730	6385	135
Solano #20	N & S ² Sec. 1	10/11/80	AMC 112731	6385	134
Solano #21	N & S ² Sec. 1	10/11/80	AMC 112732	6385	134
Solano #22	S ² Sec. 1	12/20/80	AMC 119174	6432	163
Solano #23	S ² Sec. 1	12/20/80	AMC 119175	6432	162
Solano #24	S ² Sec. 1	12/20/80	AMC 119176	6432	163
Solano #25	S ² Sec. 1	12/20/80	AMC 119177	6432	162
Solano #26	S ² Sec. 1	12/20/80	AMC 119178	6432	162
Solano #27	S ² Sec. 1	12/20/80	AMC 119179	6432	162
Solano #28	Sec. 1 & 12	10/17/80	AMC 114860	6399	114
Solano #29	Sec. 1 & 12	10/17/80	AMC 114861	6399	114
Solano #30	Sec. 11 & 12	10/17/80	AMC 114862	6399	114
Solano #31	S ² Sec. 1 & 12	10/17/80	AMC 114863	6399	115
Solano #32	S ² Sec. 1 & 12	10/17/80	AMC 114864	6399	115
Solano #33	Sec. 1 & 12	10/30/80	AMC 117651	6424	92
Solano #34	Sec. 1 & 12	10/ 9/80	AMC 112733	6383	104
Solano #36	Sec. 1, 12, 6 & 7	10/11/80	AMC 112735	6385	134
Solano #37	Sec. 12 & 7	10/11/80	AMC 112736	6385	134
Solano #38	Sec. 12	10/11/80	AMC 112737	6385	134
Solano #39	Sec. 12	10/ 4/80	AMC 112615	6382	92
Solano #40	Sec. 12	10/17/80	AMC 113799	6390	120
Solano #41	Sec. 12	10/17/80	AMC 113800	6390	120
Solano #42	Sec. 12	10/17/80	AMC 113801	6390	120
Solano #43	Sec. 12	10/17/80	AMC 113802	6394	94
Solano #10	N & S ² Sec. 1	11/17/80	AMC 116486	6410	1058
Solano #11	N & S ² Sec. 1	11/17/80	AMC 116487	6410	1060
Solano #45	Sec. 12	10/23/80	AMC 113804	6394	94
Solano #44	Sec. 1 & 127	10/23/80	AMC 113803	6394	94
Solano #35	Sec. 1 & 12	10/ 9/80	AMC 112734	6383	104

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HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964, TUCSON, ARIZONA 85703. 806 WEST GRANT ROAD. PHONE: (602) 623-0578

October 8, 1982
GEOEX #1568

REPORT ON SOLANO CLAIMS

This detailed report is filed in compliance with the requirements of Title 30, United States Code, Section 28-1 for the Solano claims, a contiguous group of 36 lode mining claims situated in the Helvetia-Rosemont mining district of Pima County, Arizona and owned by the Solano Mining Co. of Phoenix Arizona.

The work consisted of geologic mapping and geochemical sampling of the property which concluded with a written report and a map. The work was performed to attempt to assign economic priorities to the mineralization and to assist in planning further exploration and/or development. The work was performed January 20, 1982 through September, 3 1982 by Mark E. Anders, a geologist and geophysicist with degrees from the University of Arizona and Northern Arizona University and three years experience in mineral exploration, and by David Swanson a geologic and electrical technician with over 20 years of experience with the mineral industry, under supervision of Walter Heinrichs a graduate professional geological engineer from the Colorado School of Mines, with Arizona State Registered Engineer #2447, American Institute of Geologists certification #688 and over 40 years of experience, all of Heinrichs GEOEXploration Company of 810 West Grant Road, P.O. Box 5964, Tucson Arizona 85703. The cost of the geological and geophysical survey was over \$3,600.00 and was paid for by Solano Mining Co. of Phoenix, Arizona.

The location of the work performed in relation to points of discovery and boundaries of the claims is shown on Exhibit A, as relayed by Mr. William Brooke, which is attached hereto and made a part hereof. The basic findings of the geological and geochemical survey are:

1. The major mineralization is along the Martin Formation and the Willow Canyon Formation contact, with the mineralization mainly in the reddish-brown Willow Canyon Formation. This includes the AMERCO mine and the Golden Gate prospects along with other smaller prospect pits.

2. Taking character samples at the four major mine dumps in



2 the claim group, (Golden Gate, Goldfish, Lexington, and AMERCO), gives anomalous gold and silver values, the veins from these workings give lower values but still anomalous.

3. Mineralization appears to be controlled by faulting.

4. Two stream sediments samples that are down stream from the Goldfish mine shows minor gold anomalism, apparently coming from the Goldfish, but future samples should be taken to try and confirm or determine the exact source.

5. Future work should include detailed geologic mapping along the Martin & Willow Canyon formations in order to locate other veins similar to those already located.

More exploration is under consideration for the property. All technical results are in the possession of and are considered to be exclusive property of Solano Mining Company, 2107 E. Solano Drive, Phoenix, AZ 85016.

Respectfully submitted,
Heinrichs GEOEXploration Company

Mark E. Anders
Geophysicist-Geologist

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OCT 15 1982

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PHOENIX, ARIZONA

OCT 13 1982

BOX 5964

TUCSON, AZ 85703

STATE OF ARIZONA,

County of PIMA } ss.

I hereby certify that the within instrument was filed and recorded, 19 OCT, at 8 '82 - 3 PM M.

91630

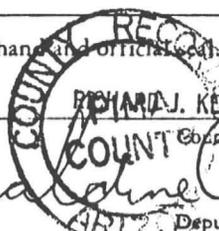
In Docket No. 6883, Page 797-804, at the request of

Mark E. Anders

When recorded mail to:

Mark E. Anders
C/O Heinrichs GEOEXploration
P.O. Box 5964
Tucson, Arizona 85703

Witness my hand and official seal



Richard J. Kennedy
County Recorder
Geraine Clark
Deputy Recorder

Fee: 1.80

AFFIDAVIT OF PERFORMANCE OF ANNUAL WORK

RECEIVED
LA STATE OFFICE
B. L. M.

OCT 15 1982
07:45 A.M.
PHOENIX, ARIZONA

State of Arizona

County of PIMA } ss

1. MARK E. ANDERS Name

Name

810 W. Grant Road, (P.O. Box 5964 85703)

Address

TUCSON

ARIZONA

85705

City

State

Zip

being duly sworn according to law deposes and says that ~~they are~~ ^{he is} a citizen of the United States more than eighteen years of age and that all of the facts set forth in this affidavit are true and correct according to the best of ~~their~~ ^{his} knowledge, information and belief.

2. That ~~they are~~ ^{he is} personally acquainted with the mining claims named Solano 10-45

as listed on attached Exhibit A situate in the Helvetia Mining District, Pima County, Arizona, the location of which is recorded in the office of

the County Recorder of that County in Book 6604, Page 663-664. Notice of location is posted in Section 6, 7, 12, Township 19S, Range 16E, G&SRB&M.

3. That between the dates of January 20, 1982 and September 3, 1982

at least Thirty-six Hundred Dollars (\$3600.00) dollars worth of work and improvements were done and performed upon this claim not including location work.

4. The work and improvements were made by and at the expense of Solano Mining Company

2107 E. Solano Drive, Phoenix, AZ 8 5016, owners of the mine for the purpose of complying with the laws of the United States pertaining to assessments or annual work.

5. MARK E. ANDERS AND DAVID SWANSON OF HEINRICH'S GEOEXPLORATION COMPANY

P.O. Box 5964, Tucson, AZ 85703 were the names of the persons employed by the owner who labored to do the work and improvements.

6. The work and improvements done were Geologic mapping and geochemical surveying which was done in a manner to benefit the claim group as a whole as set forth in the related detailed report to be filed as required by Statute (30 USCA §28 1 & 2).

Dated September 22, 1982

Mark E. Anders
Signature

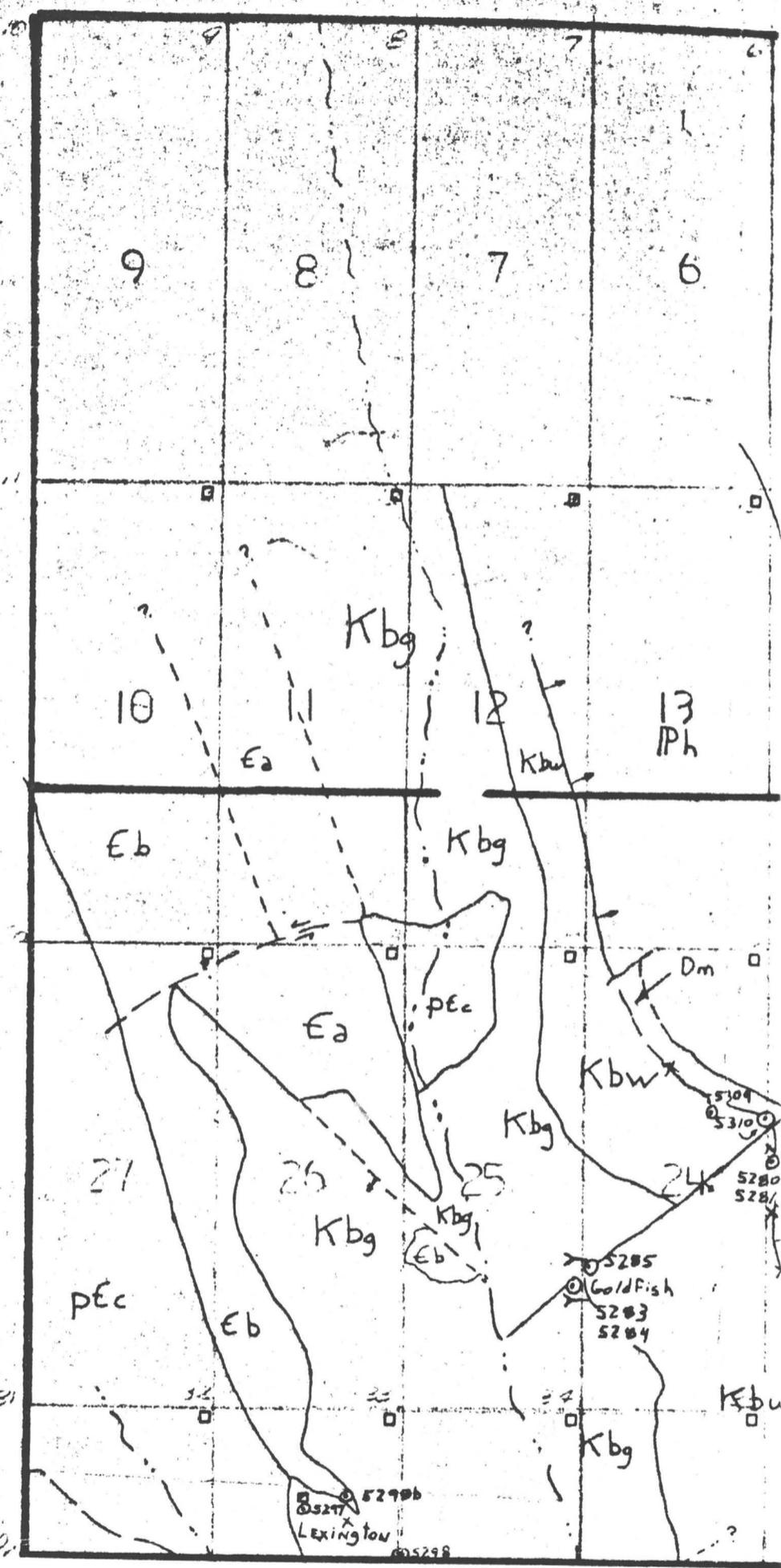
Subscribed to and sworn before me, a Notary Public, this 22nd day of September

19 82, by Mark E. Anders

My Commission expires 11-16-84

Mary H. Turner
Notary Public

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TUCSON, AZ. 85703



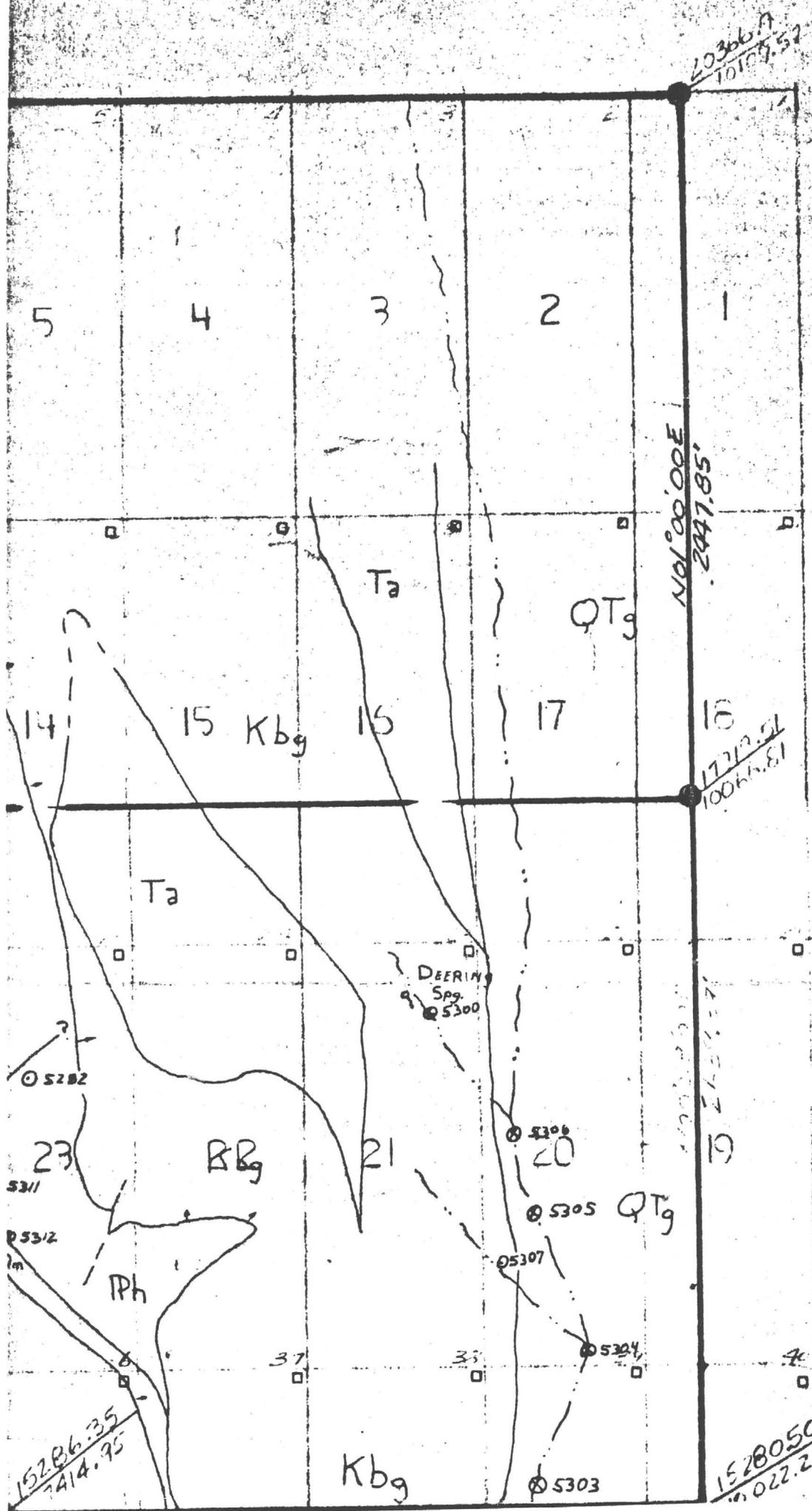
6883 PAGE 801

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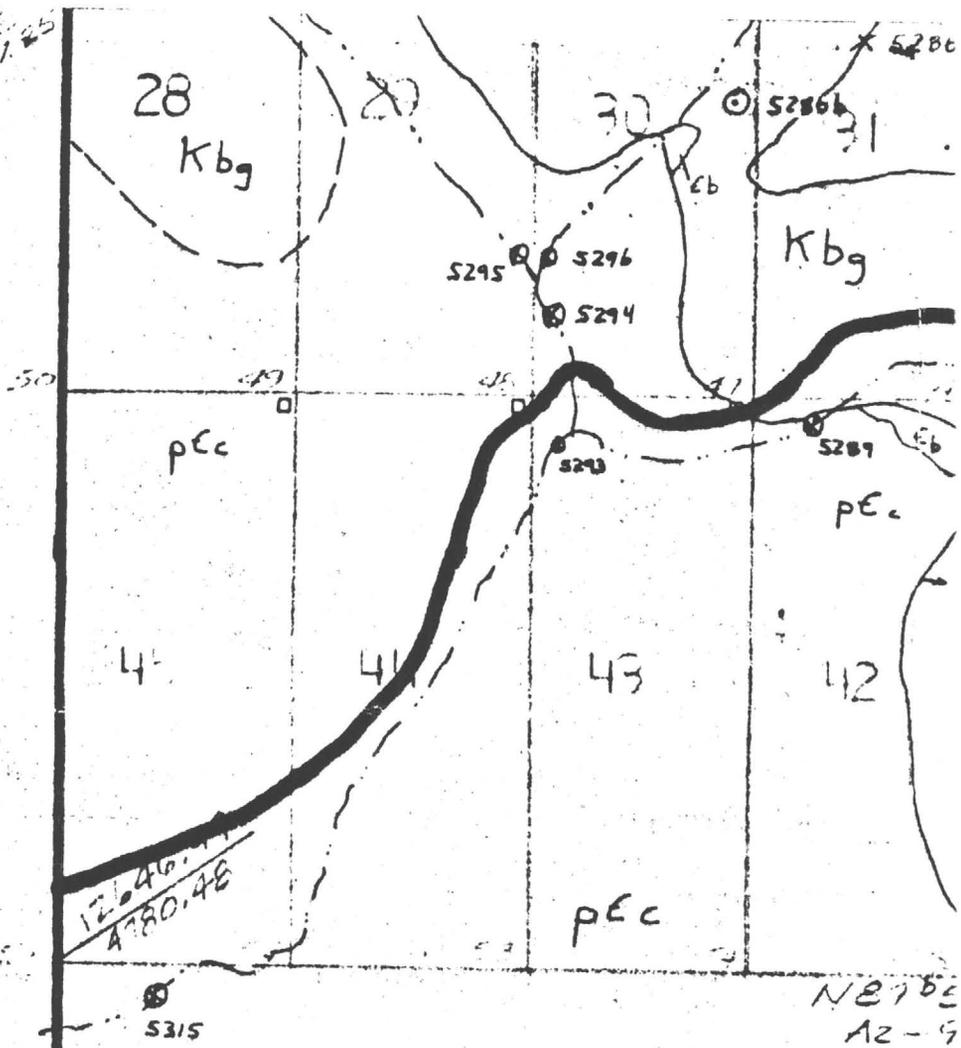
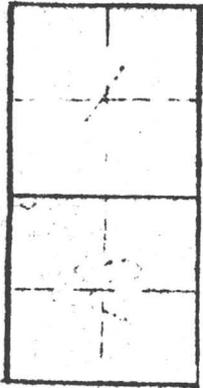


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NTS



- Rock chip Sample
- ⊗ Stream Sample
- ↖ Adit
- ▣ Shaft
- X Prospect
- Contact
- - - Fault
- location Markers/D.

Data Sources by or from:

Anders, Mark E. 1982
 Heatwold, David A., Geology of Box Canyon, Santa
 Mountains, Pima County, Arizona, Univ. of Ar
 Drews, Harold, Geologic Map of the Sahuar

Scale 1" = 500'

Solano Mining Claims

T. 19S., R. 15E., Sections 1, 12

T. 19S., R. 16E., Sections 6, 7

Exhibit A

E 80-031-121
STER SHEET
EP IN FILE

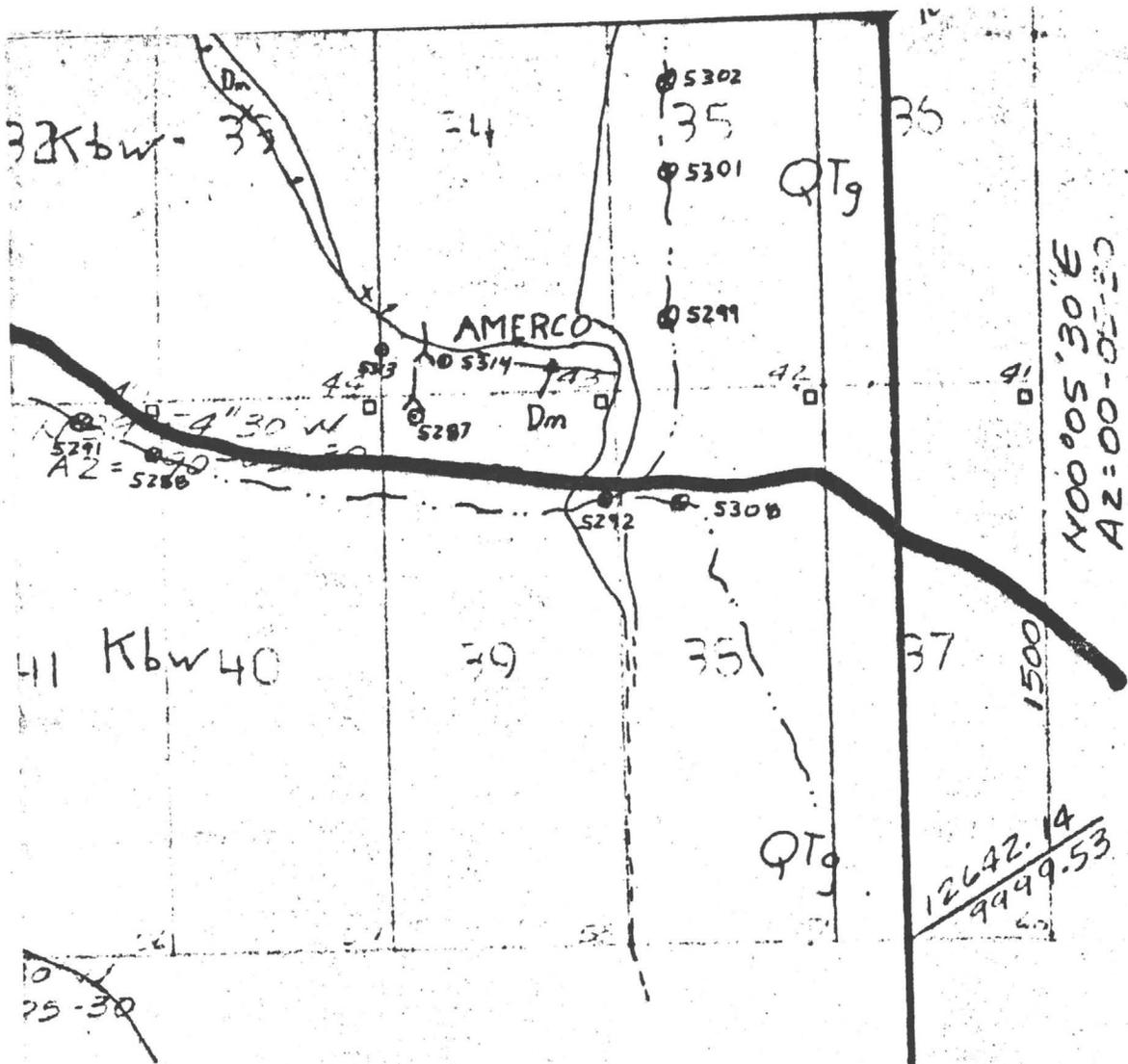
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BCX 5964
TUCSON, AZ. 85703



QT _g	GRAVEL	Ph	HORQUILLA limestone
Kbw	Willow Canyon Formation	Dm	MARTIN FORMATION
Kbg	GLANCE CONGLOMERATE	E _a	Abajo Formation
T _a	Andesite	E _b	Bolsa Quartzite
		PCC	CONTINENTAL GRANODIORITE

MINING CLAIMS
80-031

Revised Sept 30,

VERY

thesis, 1966
ad., 1971

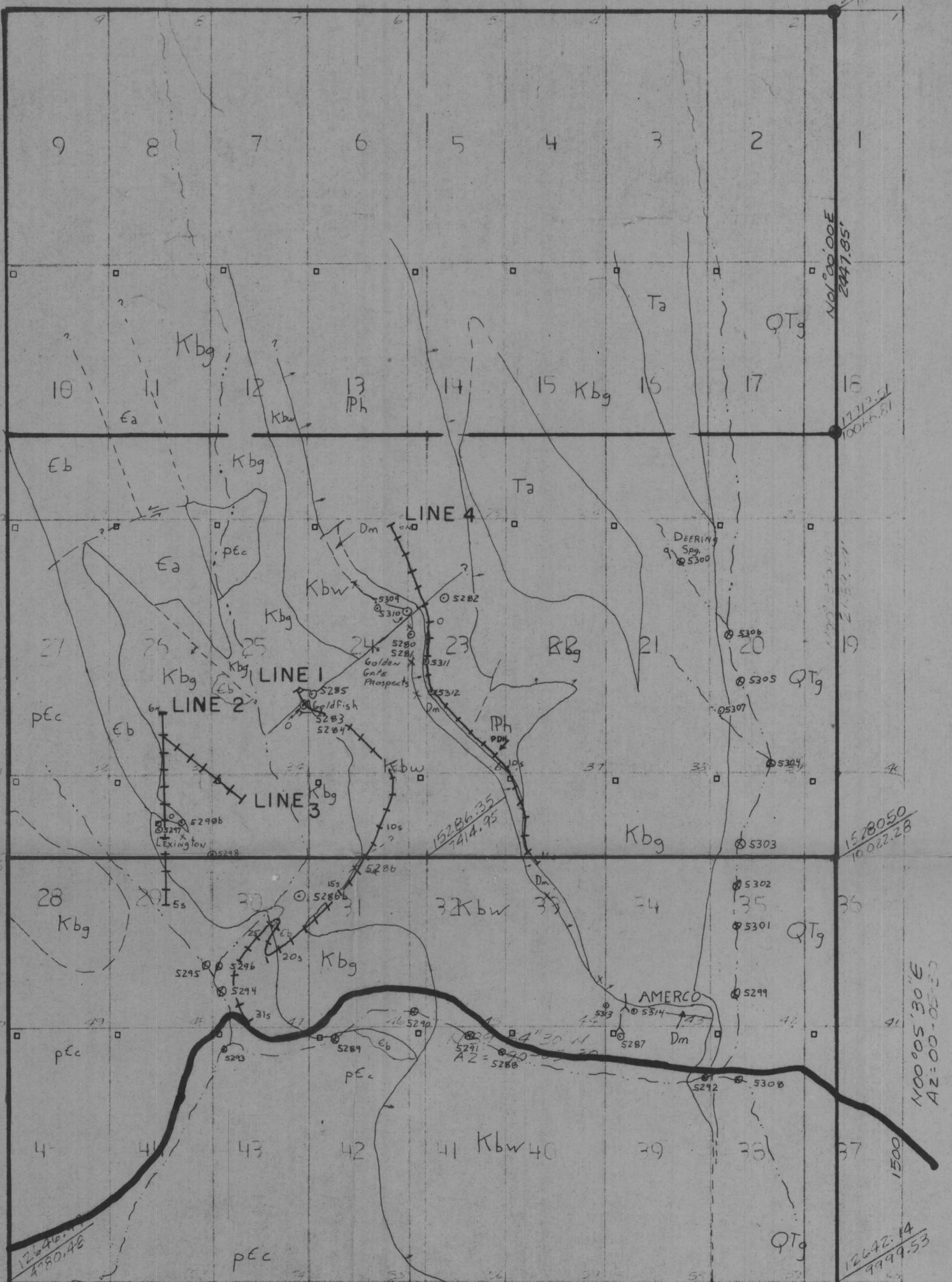
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Solano Mining Claims

- Road (Box Canyon)
- SP, EM, and Magnetic Profiles
- Rock chip Sample
- Stream Sample
- Adit
- Shaft
- Prospect
- CONTACT
- FAULT
- DISCOVERY MARKERS

DATA SOURCES by or FROM:

ANDERS, MARK E. 1982
 HEATWOLE, DAVID A. Geology of Box Canyon, SANTA RITA MOUNTAINS, PIMA COUNTY, ARIZONA UNIV. OF ARIZ. THESIS, 1966
 DREWES, HAROLD, Geologic MAP of the SAHUARITA quad., 1971

Scale 1" = 500'

QTg	IPH
GRAVE/	HORQUILLA limestone
Kbw	Dm
Willow Canyon Formation	MARTIN FORMATION
Kbg	Ea
GLANCE CONGLOMERATE	ABRIGO FORMATION
Ta	Eb
Andesite	Bolsa Quartzite
	pEc
	CONTINENTAL GRANODIORITE

MINING
 80-03
 Revised

West 10' $\frac{Kb}{kg}$ $\frac{Kb}{kg}$ $\frac{Kb}{kg}$ $\frac{Kb}{kg}$

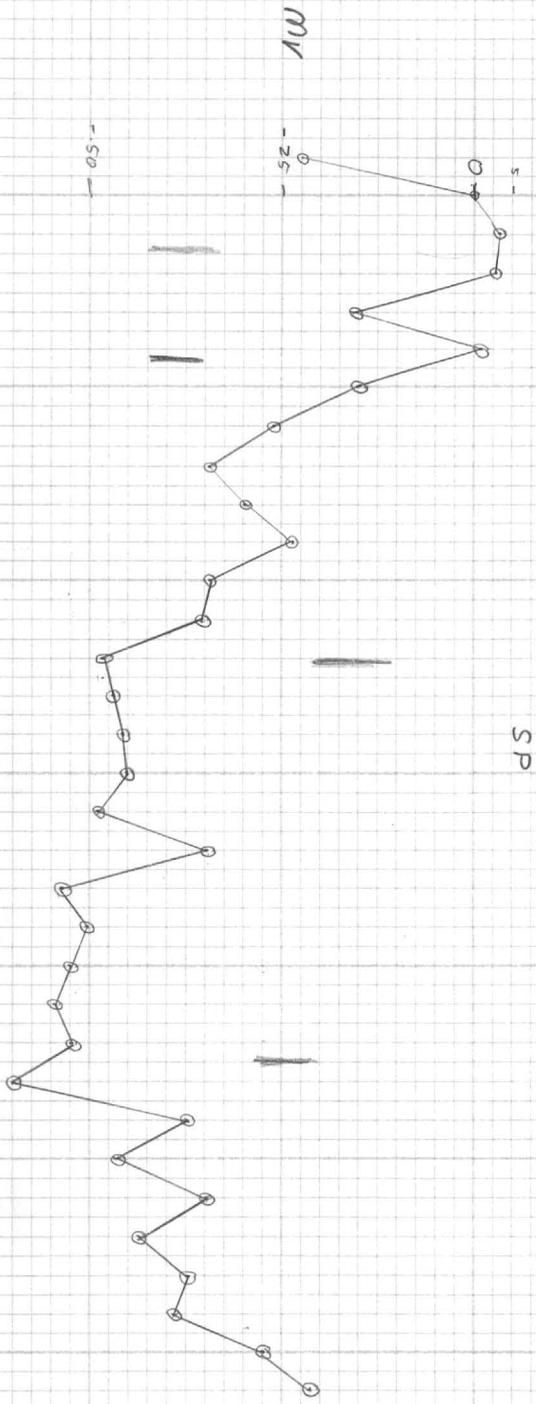
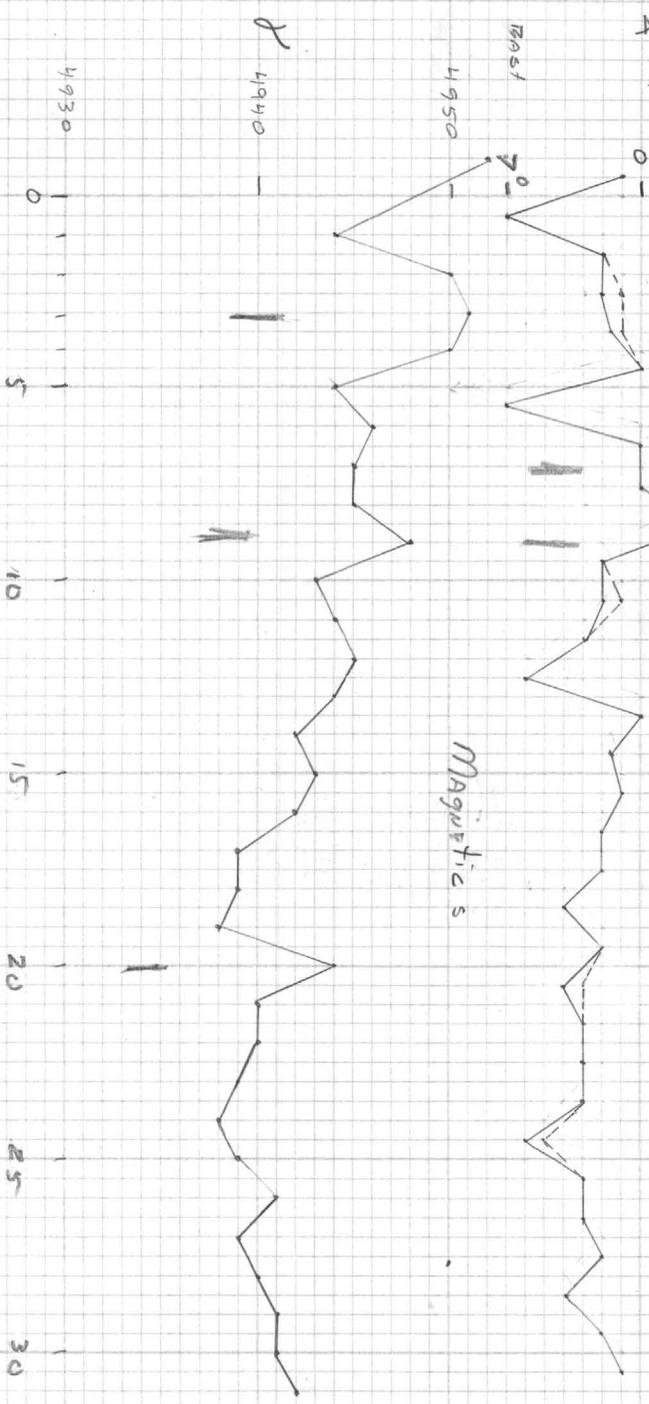
Dip \times 0
 G.F. Mine
 A/Head: Box
 F \downarrow NF \downarrow EM

Along contour \rightarrow $\frac{Kb}{kg}$ $\frac{Kb}{kg}$ $\frac{Kb}{kg}$ $\frac{Kb}{kg}$
 Fault Sample # 5286 (Au = 0.12 ppm)
 Ag = 0.2

Solano Claims
 EM, Mag, SP
 Looking East

5.0 KHz
 1.0 KHz
 GPR EX # 1658
 9/23/83

Line # 1



4930 0 5 10 15 20 25 30

MV

-50

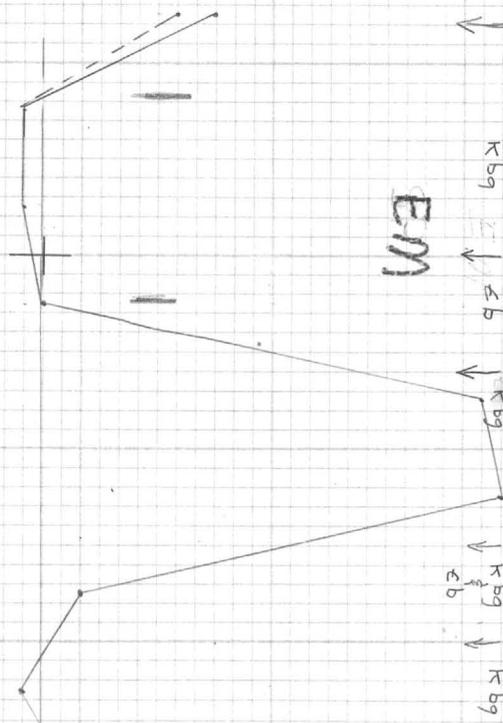
-25

Looking West

EM

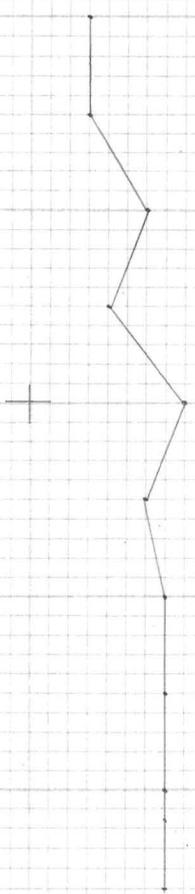
N-S Line
Across Lexington Mine
Solano Claim Group
GEOEX # 1658
9/23/83

West
20
10
0
EAST



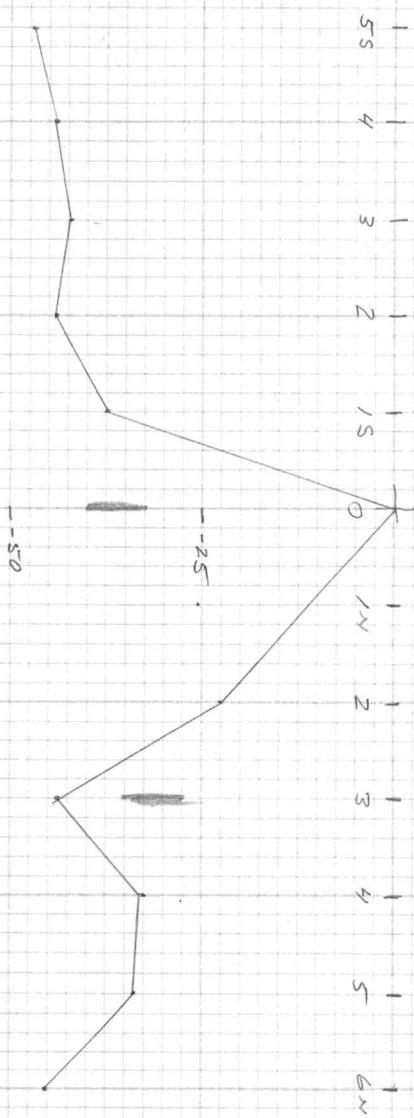
Magnetics

4940
4930



SP

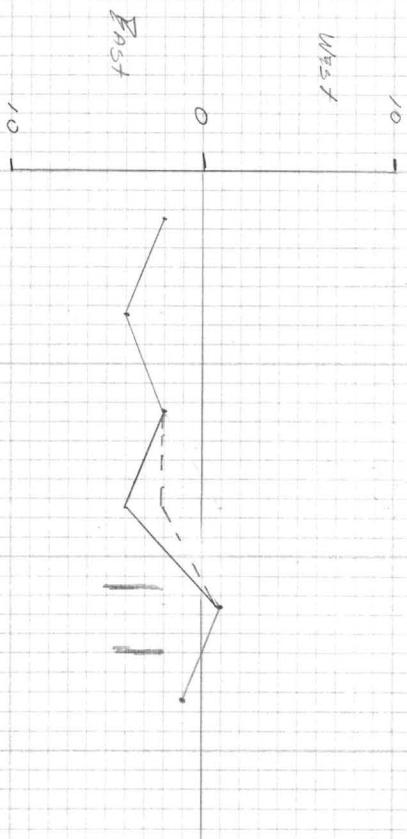
0
-25
-50



Line #2

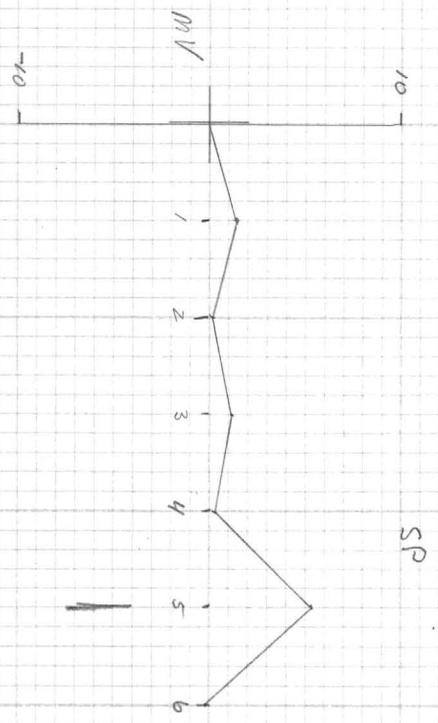
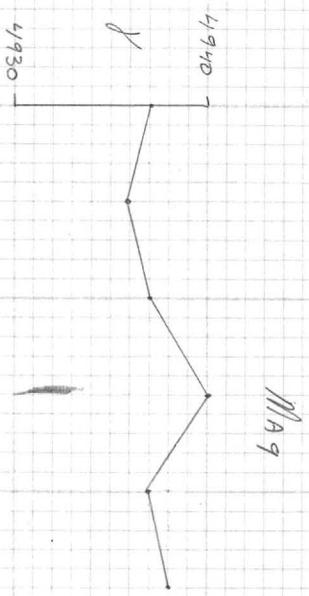
--- 1.0 Khg
 --- 5.0 Khg

Looking NE.



SSW Line ran
 down slope by the
 Lexington Mine
 GEOFX # 16578
 9/23/83

Line #3



0 West East 6
 1950
 1940
 1930
 0
 25
 -25



Looking East.

West

10°

0

7°

4950

γ

4940

4930

0

5

10

15

20

25

30

EM

Magnetics

LINE 1

Sotano Claims
EM, Mag, SP

Looking Easterly

5.0 khz

1.0 khz

GEOEX # 1658
9/23/83

SP

mV

0

-25

-50

5

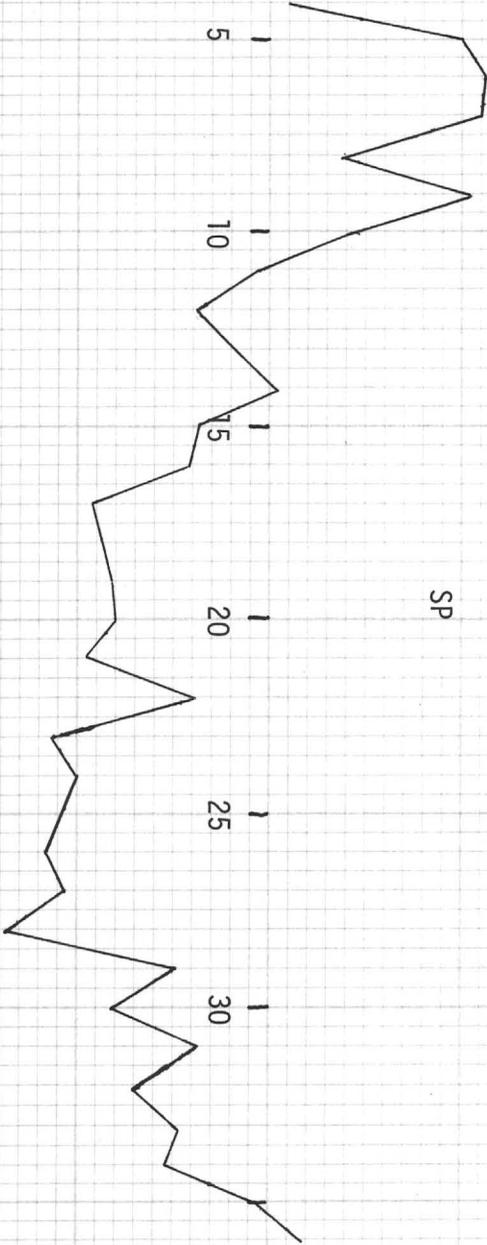
10

15

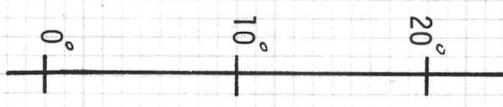
20

25

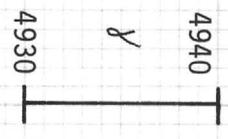
30



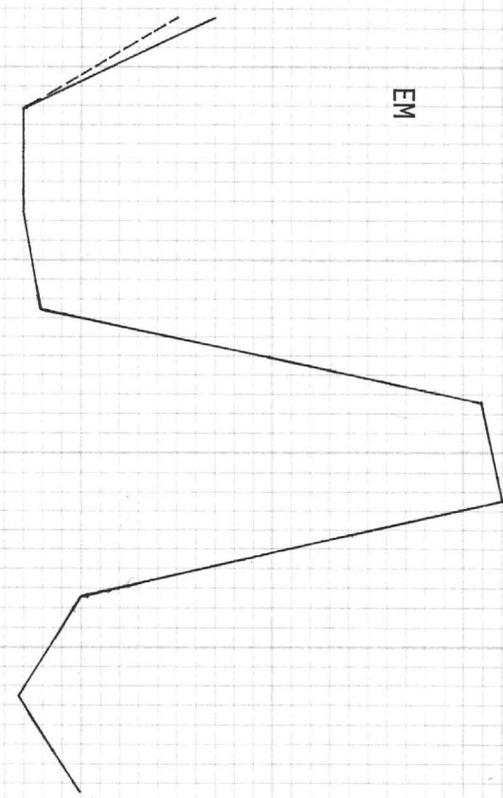
Looking West



East

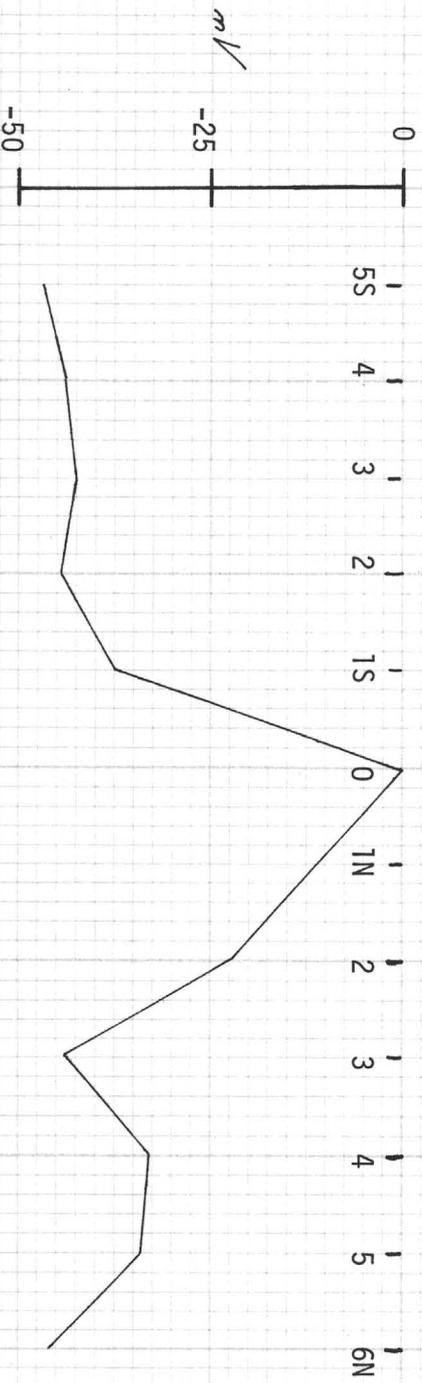


EM



Magnetics

SP



N - S Line

LINE 2

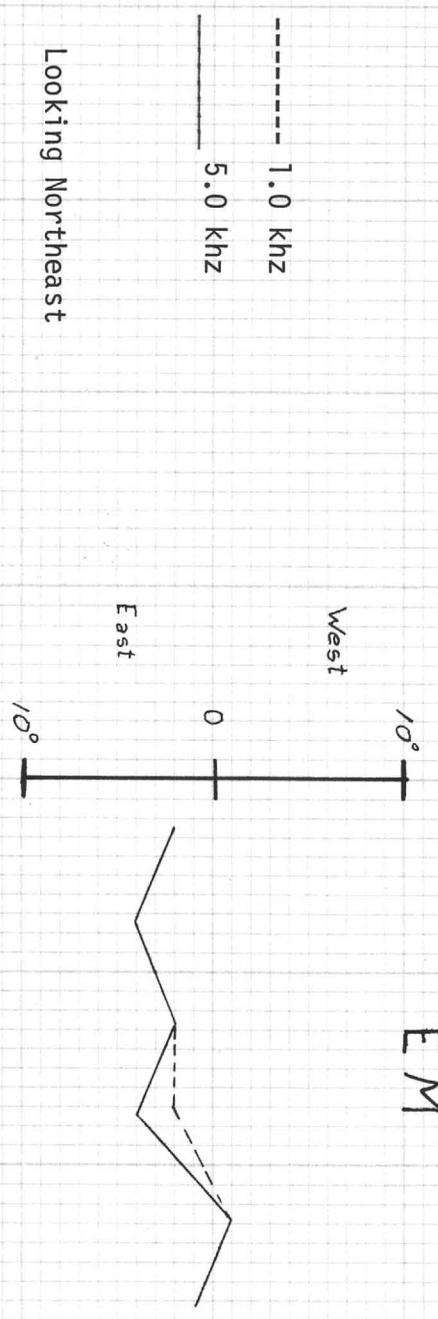
Across Lexington Mine
Solano Claim Group

GEOEX # 1658
9/23/83

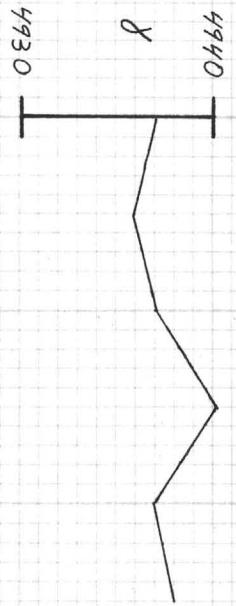
5.0 khz

1.0 khz

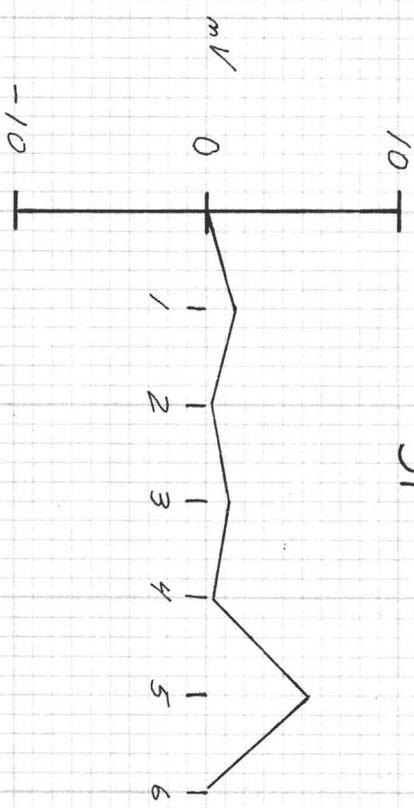
LINE 3



Magnetics



SP



N 55° W
Line ran down slope
by the Lexington Mine

GEOEX # 1658

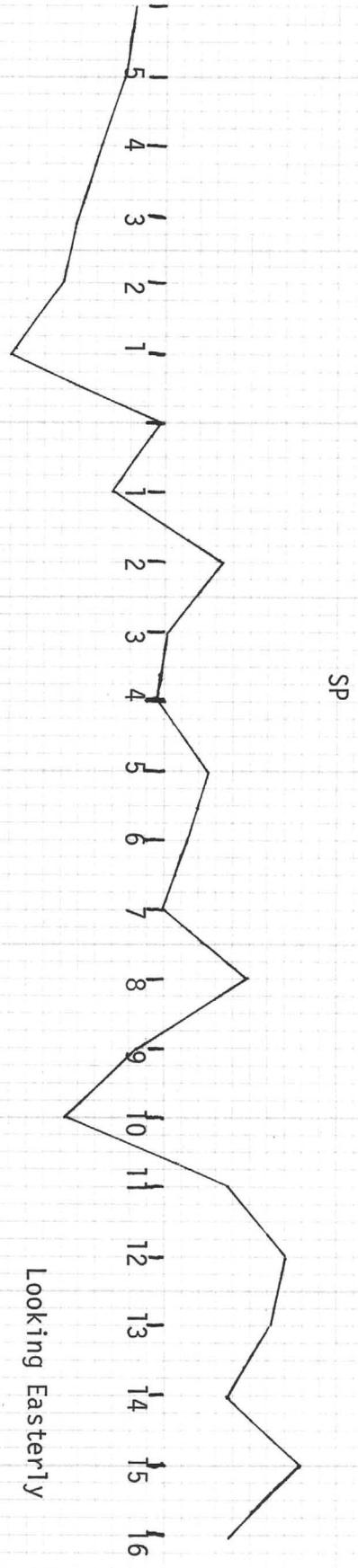
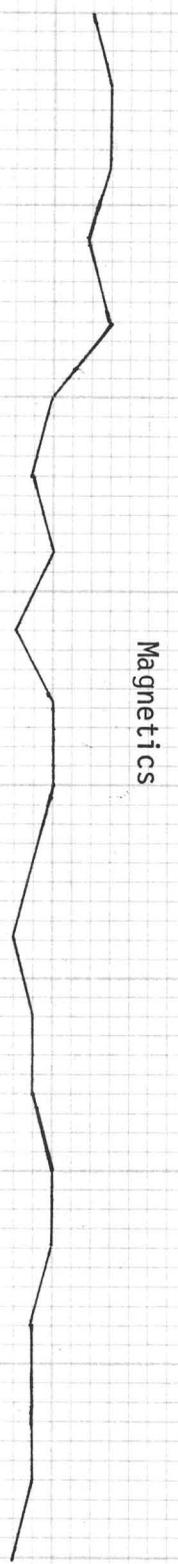
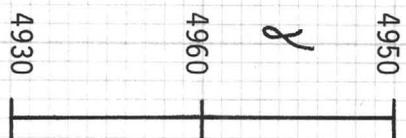
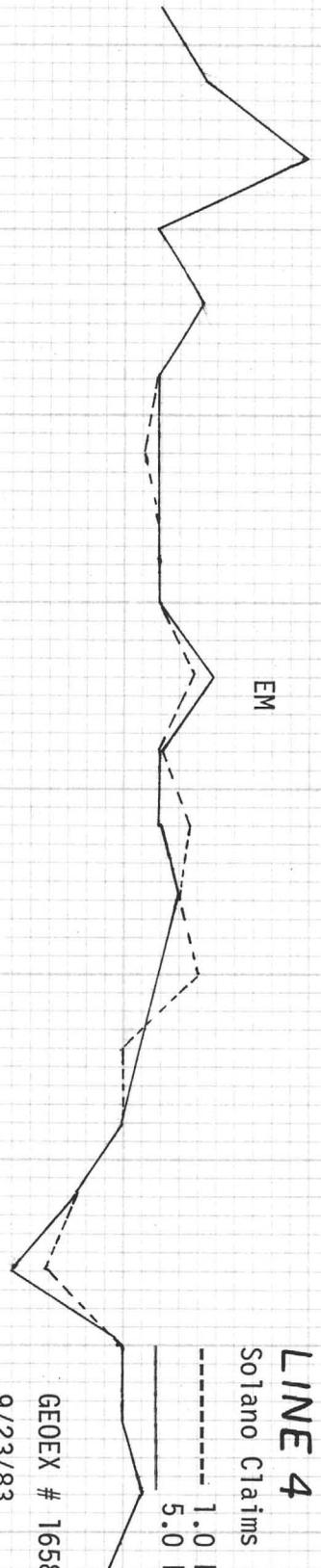
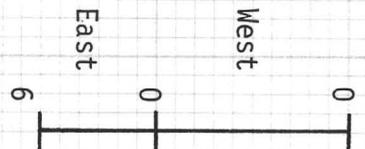
9/23/83

LINE 4

Solano Claims

1.0 khz
5.0 khz

GEOEX # 1658
9/23/83



Looking Easterly



HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964, TUCSON, ARIZONA 85703. 806 WEST GRANT ROAD. PHONE: (602) 623-0578

October 6, 1983

Solano Mining Company
2107 E. Solano Drive
Phoenix, AZ 85016

COPY

Re: GEOEX #1658
Affidavit Filing
Solano Claim Group

Gentlemen:

We are enclosing herewith Affidavit of Performance of Annual Work which has been duly recorded and sent to the Bureau of Land Management for their records. The enclosed copy is for your permanent records, and we will keep a copy in your file here also.

We trust you will find everything in order and that you received our report and statement.

Sincerely, .

Heinrichs GEOEXploration Company

Walter E. Heinrichs, Jr.,
President

WEH:mt

Enclosures: Affidavit of Performance of Annual Labor
Statement for filing affidavit

RECEIVED
OCT - 6 1983
BOX 5984
TUCSON, AZ 85703

****ATTENTION****

RETAIN THIS PHOTOCOPY AS IT IS YOUR OFFICIAL ACKNOWLEDGMENT OF RECEIPT

In an effort to expedite the acknowledgment procedure, we have time-stamped and photocopied what was submitted to this office. This DOES NOT mean it has been reviewed or processed, only received. As a reminder, do not forget to record Notices of Intention to Hold lode and placer claims (not mill or tunnel sites), Affidavits of Labor, Amendments, and all Transfers of Ownership with the proper county recorder.

In the future, always include the A MC Serial Numbers assigned to each of your claims when filing affidavits and other documents; also, please keep us advised as to your current address.

Arizona State Office
Bureau of Land Management
2400 Valley Bank Center
201 N. Central Ave.
Phoenix, AZ 85073



HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964, TUCSON, ARIZONA 85703, 806 WEST GRANT ROAD, PHONE: (602) 623-0578

October 6, 1983

STATEMENT

Solano Mining Company
2107 E. Solano Drive
Phoenix, AZ 85016

COPY

Re: GEOEX #1658
Affidavit Filing
Solano Claim Group

PROFESSIONAL FEES & SERVICES

Filing of Affidavit of Annual Labor with County and Bureau of
Land Management

Affidavit Filing Fee (County)-----	\$8.00
Postage (Bureau of Land Management)-----	1.00
Parking-----	.25
M. E. Anders - 1 Hour @ \$15.00-----	<u>15.00</u>
	\$24.25

RECONNAISSANCE
GEOLOGICAL AND GEOPHYSICS REPORT
ON SOLANO CLAIMS

This detailed report is filed in compliance with the requirements of Title 30, United States Code, Section 28-1 Public Domain unpatented mining claims Annual Labor for the Solano claims, a contiguous group of 36 lode mining claims situated in the Helvetia-Rosemont mining district of Pima County, Arizona and owned by the Solano Mining Co. of Phoenix, Arizona.

The work done for the benefit of Solano Mining Company consisted of geologic mapping and a 4 line Self Potential, Electromagnetic and Magnetic geophysical survey of the property and this written report and map regarding the compilation and interpretation of the results showing where the work was done with respect to the respective claims boundaries and discovery points as required by law.

The work objective was to endeavor to assign economic priorities to the mineralization and to assist in identifying future drill targets. The work was performed August 30, 1983 through September 9, 1983 by Mark E. Anders, a geophysicist and geologist with degrees from the University of Arizona and Northern Arizona University and four years experience in mineral exploration, and by David Swanson a geophysical and electrical technician with over 20 years of experience with the mineral industry, under the supervision of Walter E. Heinrichs, Jr. a graduate professional geological engineer from the Colorado School of Mines, with Arizona State Registered Engineer #2447, American Institute of Geologists certification #688 and over 40 years of experience, all of Heinrichs GEOEXploration Company at 810 West Grant Road, P. O. Box 5964, Tucson, Arizona 85703. The cost of the work was at least \$3,600.00 and was paid for by the Solano Mining Co. of Phoenix, Arizona.

The location of the work performed in relation to points of discovery and boundaries of the claims is shown on Exhibit B, as a part here of. Data results from each line are presented, showing successively from top to bottom: EM dip angle data in degrees of dip of the resulting field plotted between the transmitting and receiving coil, total intensity magnetic data in units of gammas, and SP data shown in units of millivolts as plotted at the remote pot station.

The basic findings of the work are:

Line 1 -- This line follows the road that runs from the Goldfish mine down to the Box Canyon road. EM data indicates minor anomalism between stations 7S to 9S, an inferred fault is located at 9S. The magnetics show a general decrease in intensity, with small highs located at stations 3S, 9S and 20S. SP gives a broad low that is centered about station 20S.

-1-

7125 REG. 683

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B.L.M. AZ STATE OFFICE
OCT 3 - 1983
07.45 A.M.
HEINRICHS GEOEXPLORATION COMPANY
PHOENIX, ARIZONA

Line 2 -- This line runs N-S across the Lexington Mine. The magnetic data is inconclusive. There is a large SP high located over the mine with a low or flatish zone on either side. This might be indicative of a highly insulating or membrane type of feature centered at or near the mine - perhaps something like a massive quartz vein or veining containing only minor and non-oxidizing sulfides.

Line 3 -- All three parameters on this line give results of no interpretable significance at this time.

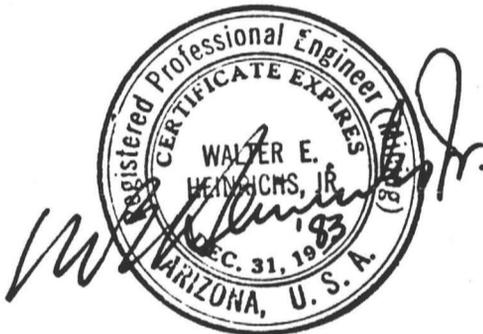
Line 4 -- Of the four lines run this one gave the most immediately useful results (correlated with the geology) relative to picking a possible drill target. The EM and SP data show minor or weak anomalism at about the Horquilla Limestone - Martin Formation contact, with the SP response increasing at the Martin - Glance conglomerate contact. Most of the mining in this portion of the claim group has been done in the Cretaceous sediments. On that basis a drill hole that passed through the Horquilla Limestone, Martin Formation and into the Glance conglomerate might hold some interest. Such a hole may need be only 150 feet or so deep depending on how much of the Glance conglomerate was deemed worth penetrating. That issue would initially, have to be played by ear, i.e. that is based on the results as drilling progressed.

More exploration is under consideration for the property. All technical results are in the possession of and are considered to be exclusive property of Solano Mining Company, 2107 E. Solano Drive, Phoenix, AZ 85016.

Respectfully submitted,
Heinrichs GEOEXploration Company



Mark E. Anders
Geophysicist - Geologist



Walter E. Heinrichs, Jr.
Geological Engineer - Geophysicist
P.E. & C.P.G.S.

GEOEX # 1658



-2-

7125 PAGE 684

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OCT 3 - 1983

07.45 A.M.
PHOENIX, ARIZONA

HEINRICHS GEOEXPLORATION COMPANY

EXHIBIT A

<u>NAME OF LOSE CLAIM</u>	<u>SECTION #</u>	<u>DATE OF LOCATION</u>	<u>BLM SERIAL No.</u>	<u>DOCKET</u>	<u>PAGE</u>
Solano #12-	N & S ² Sec. 1	11/17/80	AMC 116488	6410	105
Solano #13-	N & S ² Sec. 1	11/17/80	AMC 116489	6410	105
Solano #14	N & S ² Sec. 1	11/12/80	AMC 116490	6405	101
Solano #15	N & S ² Sec. 1	11/12/80	AMC 116491	6405	101
Solano #16	N & S ² Sec. 1	11/12/80	AMC 116492	6405	101
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Solano #18-	N & S ² Sec. 1 & 6	11/12/80	AMC 116494	6405	102
Solano #19	N & S ² Sec. 1 & 6	10/11/80	AMC 112730	6385	135
Solano #20	N & S ² Sec. 1	10/11/80	AMC 112731	6385	134
Solano #21	N & S ² Sec. 1	10/11/80	AMC 112732	6385	134
Solano #22	S ² Sec. 1	12/20/80	AMC 119174	6432	163
Solano #23	S ² Sec. 1	12/20/80	AMC 119175	6432	162
Solano #24	S ² Sec. 1	12/20/80	AMC 119176	6432	163
Solano #25	S ² Sec. 1	12/20/80	AMC 119177	6432	162
Solano #26	S ² Sec. 1	12/20/80	AMC 119178	6432	162
Solano #27	S ² Sec. 1	12/20/80	AMC 119179	6432	162
Solano #28	Sec. 1 & 12	10/17/80	AMC 114860	6399	11
Solano #29	Sec. 1 & 12	10/17/80	AMC 114861	6399	11
Solano #30	Sec. 11 & 12	10/17/80	AMC 114862	6399	11
Solano #31	S ² Sec. 1 & 12	10/17/80	AMC 114863	6399	11
Solano #32	S ² Sec. 1 & 12	10/17/80	AMC 114864	6399	11
Solano #33	Sec. 1 & 12	10/30/80	AMC 117651	6424	9
Solano #34	Sec. 1 & 12	10/ 9/80	AMC 112733	6383	10
Solano #36-	Sec. 1, 12, 6 & 7	10/11/80	AMC 112735	6385	13
Solano #37	Sec. 12 & 7	10/11/80	AMC 112736	6385	13
Solano #38	Sec. 12	10/11/80	AMC 112737	6385	13
Solano #39	Sec. 12	10/ 4/80	AMC 112615	6382	9
Solano #40	Sec. 12	10/17/80	AMC 113799	6390	12
Solano #41	Sec. 12	10/17/80	AMC 113800	6390	12
Solano #42	Sec. 12	10/17/80	AMC 113801	6390	12
Solano #43	Sec. 12	10/17/80	AMC 113802	6394	9
Solano #10	N & S ² Sec. 1	11/17/80	AMC 116486	6410	10
Solano #11	N & S ² Sec. 1	11/17/80	AMC 116487	6410	10
Solano #45	Sec. 12	10/23/80	AMC 113804	6394	9
Solano #44	Sec. 1 & 127	10/23/80	AMC 113803	6394	9
Solano #35	Sec. 1 & 12	10/ 9/80	AMC 112734	6383	10

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PHOENIX, ARIZONA

7125 PAGE 682



HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964, TUCSON, ARIZONA 85703. 806 WEST GRANT ROAD. PHONE: (602) 623-0578

September 29, 1983

U. S. Bureau of Land Management
Arizona State Office
2400 Valley Bank Ctr.
Phoenix, AZ 85073

Attention: Mining Records Department.

As required evidence of assessment work done, pursuant to the Federal Land Policy and Management Act of 1976, enclosed are machine copies of the recorded affidavits concerning the attached listing of thirtysix (36) Arizona mining claims.

In order for us to assured that these documents fulfill the requirements of the current Federal regulations and law, as prima facie evidence of the assessment work done, your written acknowledgment or exceptions to same are respectfully requested to the above address, please.

Yours truly,
Heinrichs GEOEXploration Co., Inc.

Mark E. Anders

MEA/jh

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PHOENIX, ARIZONA

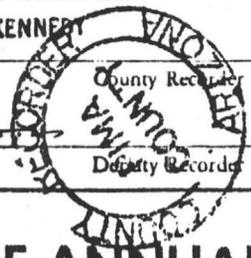
Mark E

STATE OF ARIZONA, } ss. I hereby certify that the within instrument was filed and recorded
County of PIMA } _____, 19____, at _____ M.
In Docket No. 7125, Page 681-688, at the request of

Fee No.:
109107
SEP 27 '83 -9 AM

When recorded mail to:
Mark E. Anders
c/o Heinrichs GEOEXploration Co.
P. O. Box 5964
Tucson, AZ 85703

Witness my hand and official seal.
RICHARD J. KENNEDY
By 11. 7.
County Recorder
Deputy Recorder

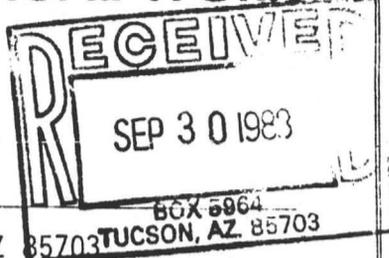


Fee: \$ 8.00

AFFIDAVIT OF PERFORMANCE OF ANNUAL WORK

State of Arizona }
County of PIMA } ss

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AZ STATE OFFICE
OCT 3 - 1983
07.45 A.M.
PHOENIX, ARIZONA



1. Mark E. Anders
Name
810 W. Grant Road, P. O. Box 5964, Tucson, AZ 85703
Address
TUCSON ARIZONA 85705
City State Zip

being duly sworn according to law deposes and says that ~~they~~ ^{he is} a citizen of the United States more than eighteen years of age and that all of the facts set forth in this affidavit are true and correct according to the best of ~~their~~ ^{his} knowledge, information and belief.

2. That ~~they~~ ^{he is} are personally acquainted with the mining claim named Solano 10-45 as listed on attached Exhibit A situate in the Helvetia Mining District, Pima County, Arizona, the location of which is recorded in the office of the County Recorder of that County in Book 6604, Page 663-664. Notice of location is posted in Section 6, 12, Township 19S, Range 16E, G&SRB&M.

3. That between the dates of August 30, 1983 and September 9, 1983 at least Thirty-six hundred Dollars (\$3,600.00) dollars worth of work and improvements were done and performed upon this claim not including location work.

4. The work and improvements were made by and at the expense of Solano Mining Company 2107 E. Solano Drive, Phoenix, AZ 85016, owners of the mine for the purpose of complying with the laws of the United States pertaining to assessments or annual work.

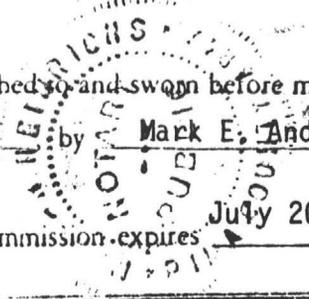
5. MARK E. ANDERS, AND DAVID SWANSON OF HEINRICH'S GEOEXPLORATION COMPANY P. O. Box 5964, Tucson, AZ were the names of the persons employed by the owner who labored to do the work and improvements.

6. The work and improvements done were Geologic mapping and geophysical surveying which was done in a manner to benefit the claim group as a whole as set forth in the related detailed report to be filed as required by Statute (30 USCA 528-1 & 2).

Date September 26, 1982 Mark E Anders
Signature

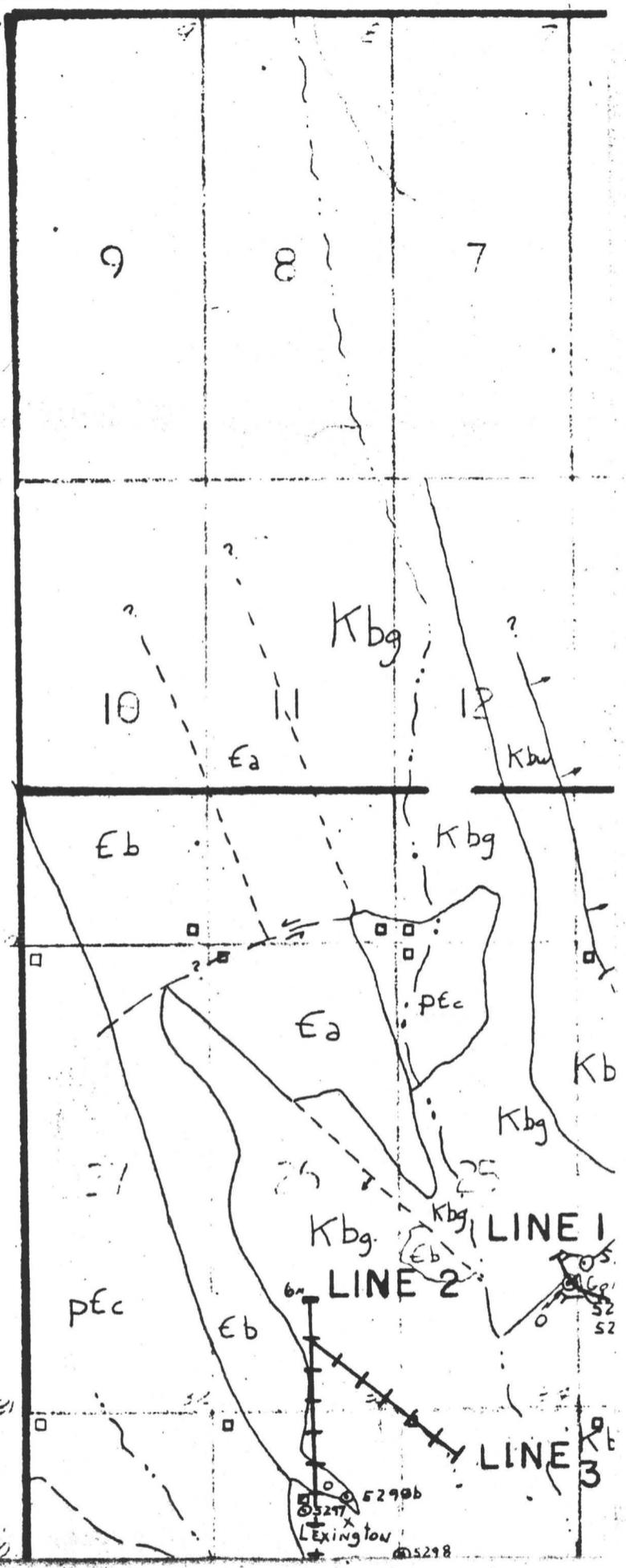
Subscribed to and sworn before me, a Notary Public, this 26th day of September 1983 by Mark E. Anders

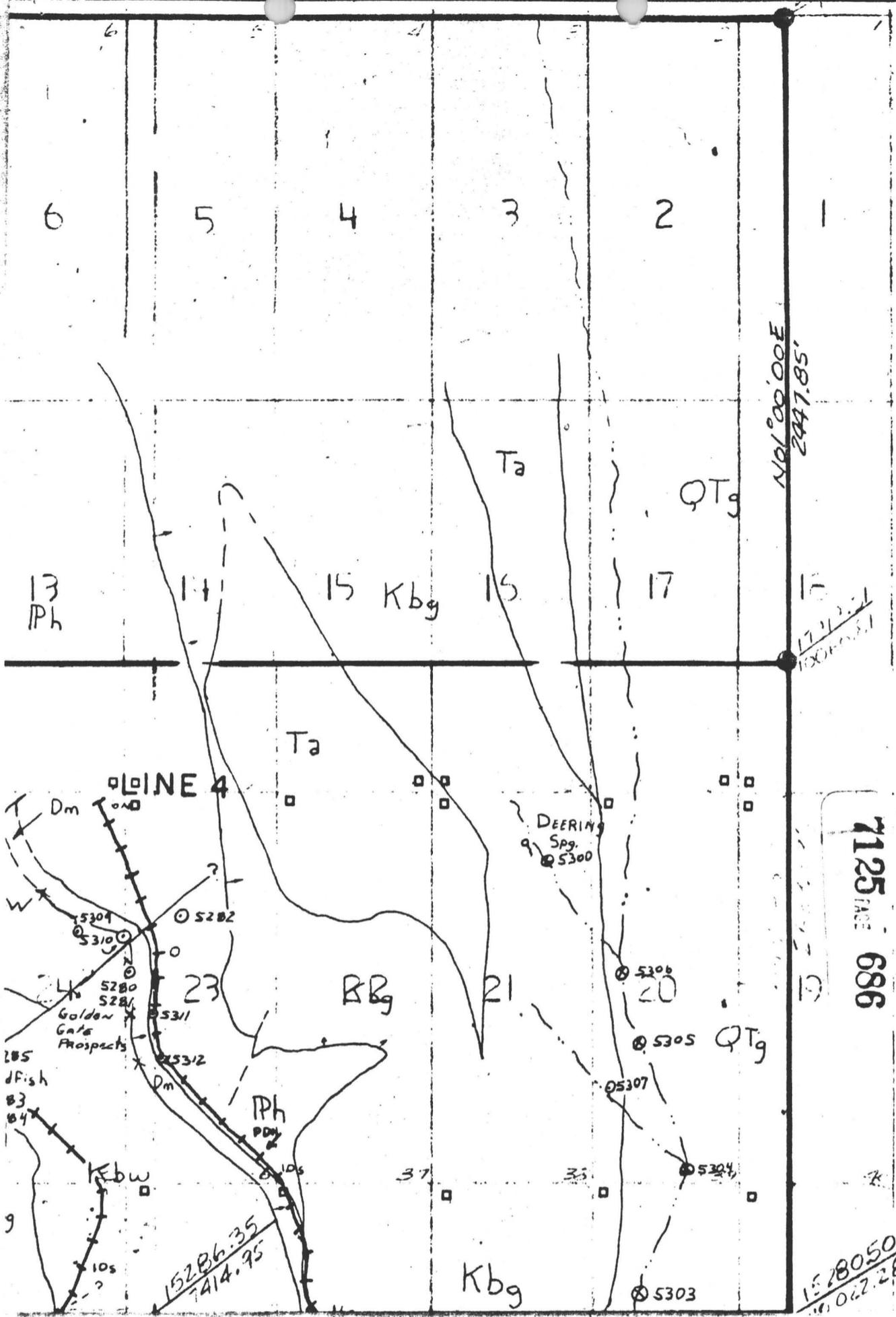
My Commission expires July 20, 1985 M. Jean Heinrichs
Notary Public



7125 PAGE 685

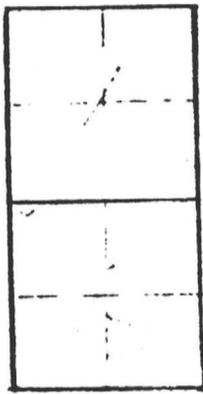
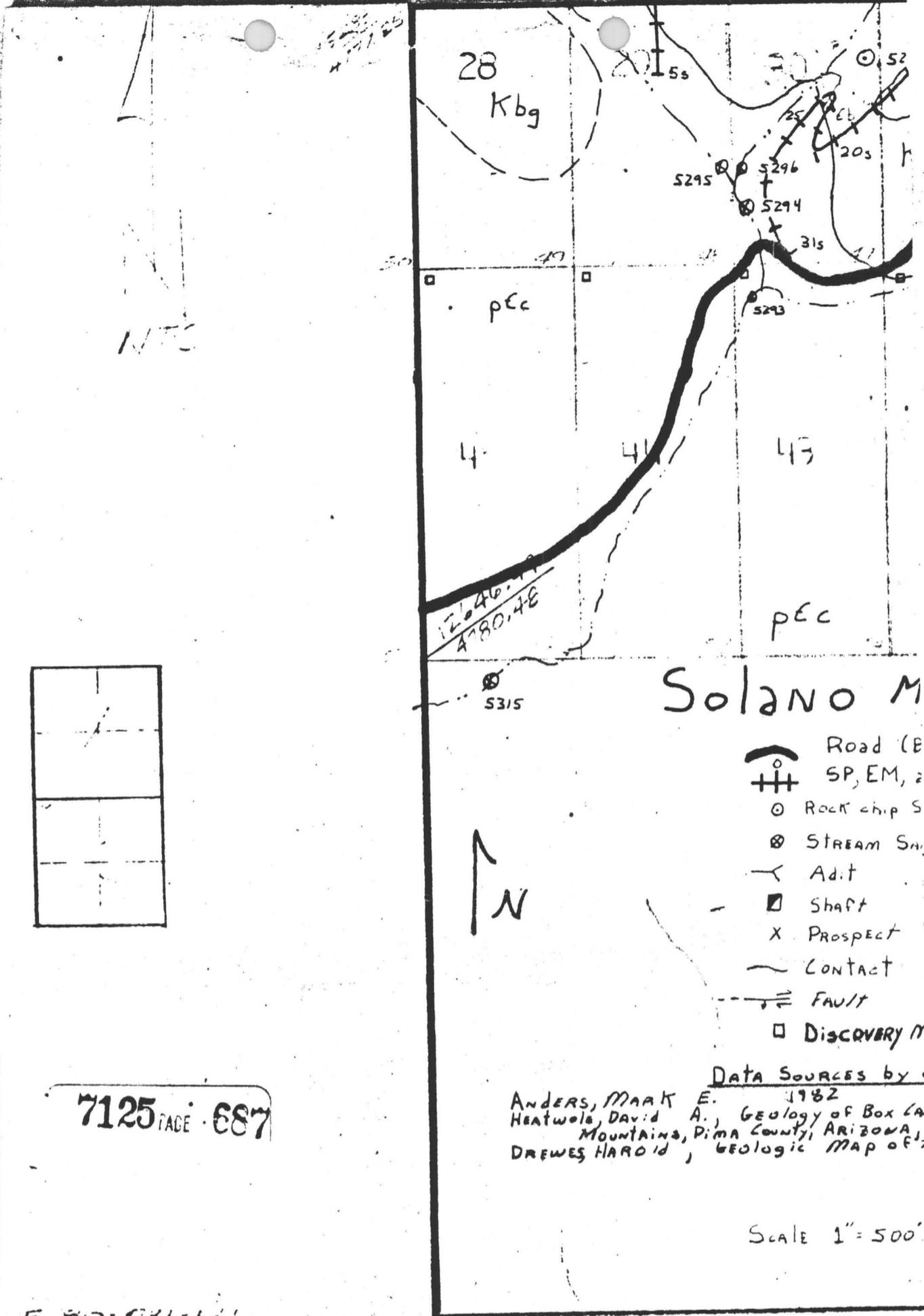
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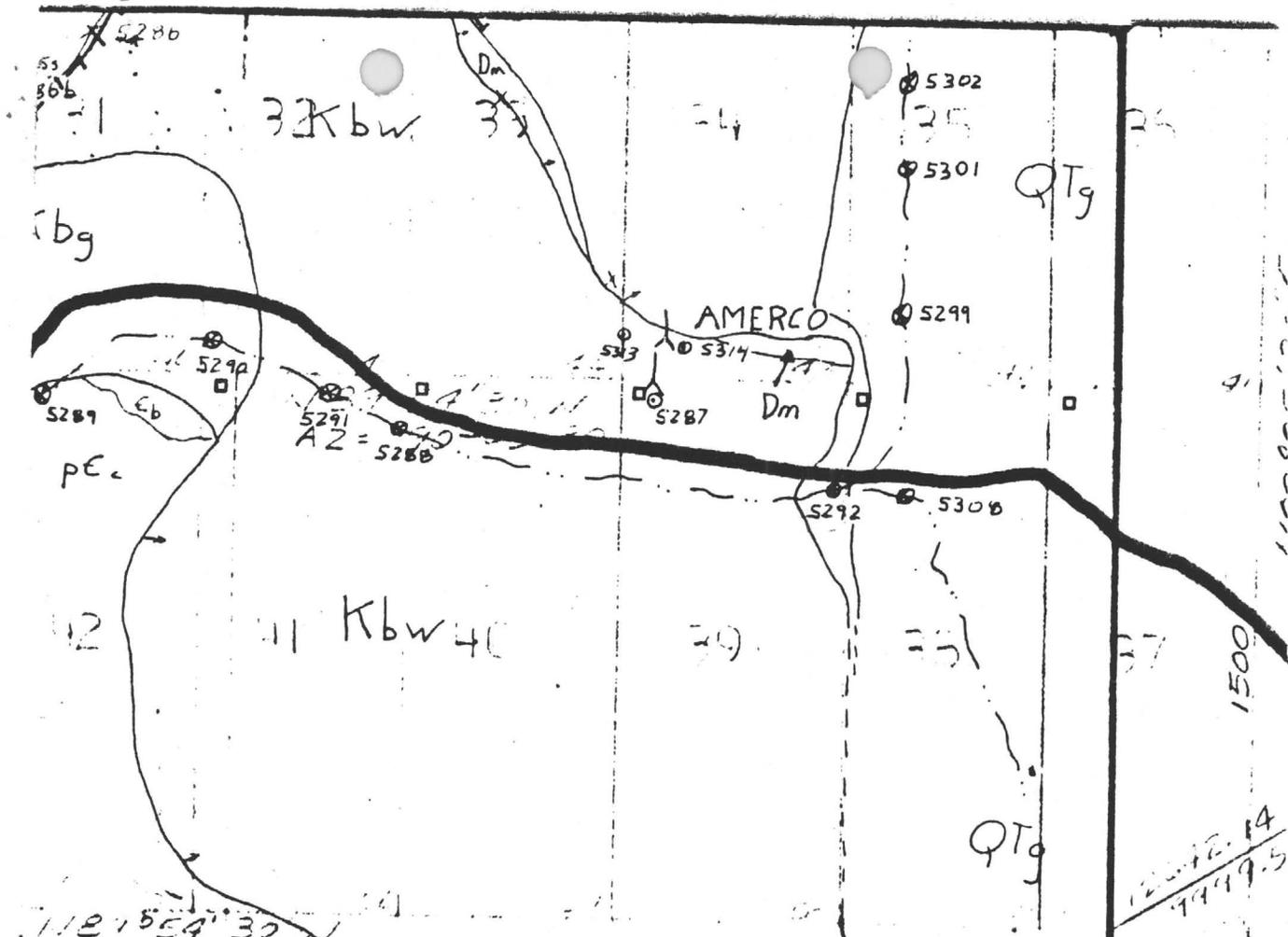
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 PHOENIX, ARIZONA



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E 30-031-121

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 07.45 A.M.
 PHOENIX, ARIZONA



118° 15' 54" 30"
 118° 15' 54" 30"
 118° 15' 54" 30"

Pima County, Arizona

ox Canyon)
 nd Magnetic Profiles
 ample
 note

MARKERS
 FROM:

yon, Santa Rita
 Univ. of Ariz. Thesis, 1966
 The Sahuarita Quad., 1971

QTg

GRAVEL

Kbw

Willow Canyon Formation

Kbg

Glance Conglomerate

Ta

Andesite

[Empty Box]

Ph

Hogquilla Limestone

Dm

Martin Formation

Ea

Abajo Formation

Eb

Bolsa Quartzite

PEC

CONTINENTAL GRANODIORITE

U.M.
 12
 revise

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RECEIVED
 B.L.M. AZ STATE OFFICE

OCT 3 - 1983

07.45 A.M.
 PHOENIX, ARIZONA

September 30, 1983

Solano Mining Company
217 E. Solano Drive
Phoenix, AZ 85016

Re: GEOEX #1658
Solano Claims
Geophysical Survey

Dear Mr. Brooke:

Transmitted are two (2) copies of our report that was filed with Pima County and when returned will be filed with the BLM. Also included are the four lines of plotted Em, SP and magnetic data.

Our report includes a revised geologic map which shows the location of our four geophysical survey lines.

Because the geophysics did not give any strong or conclusive responses over the known prospect workings, or yield significant anomalism over any new unknown features concealed at depth, work for this assessment year, i.e. 1983 - 1984, should be confined to the vicinity of the known prospects in the area. Later on, if justification for such an effort substantiated, more complete or thorough and methodical geophysics by the same methods used in this work or, perhaps other applicable geophysical methods, may be worth considering. Based on last years results and this years, additional geochemical sampling would be recommended in order to get a better understanding of the ore control.

We hope that after reviewing this report that regarding any questions that you may have, that you would please contact us right away. If we can be of further service to you at any time in future work, please let us hear from you.

Yours truly,
Heinrichs GEOEXploration Company, Inc.

Mark E. Anders
Geophysicist - Geologist

September 29, 1983

U. S. Bureau of Land Management
Arizona State Office
2400 Valley Bank Ctr.
Phoenix, AZ 85073

Attention: Mining Records Department.

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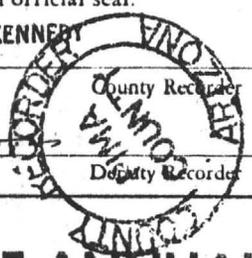
Mark E

STATE OF ARIZONA, } I hereby certify that the within instrument was filed and recorded
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In Docket No. 7125, Page 681-688, at the request of
Mark Anders

Fee No.:
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SEP 27 '83 -9 AM

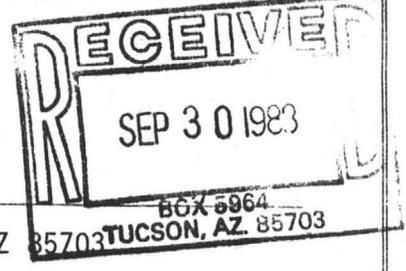
When recorded mail to:
Mark E. Anders
c/o Heinrichs GEOEXploration Co.
P. O. Box 5964
Tucson, AZ 85703

Witness my hand and official seal.
RICHARD J. KENNERT
County Recorder
By IL. F.
Deputy Recorder



Fee: \$ 8.00

AFFIDAVIT OF PERFORMANCE OF ANNUAL WORK



State of Arizona }
County of PIMA } ss

1. Mark E. Anders
Name
810 W. Grant Road, P. O. Box 5964, Tucson, AZ 85703
Address
TUCSON ARIZONA 85705
City State Zip

being duly sworn according to law deposes and says that ~~they are~~ ^{he is} a citizen of the United States more than eighteen years of age and that all of the facts set forth in this affidavit are true and correct according to the best of ~~their~~ ^{his} knowledge, information and belief.

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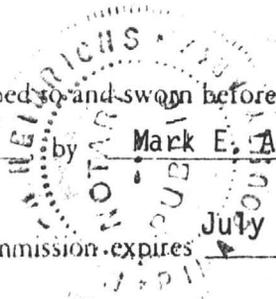
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Date September 26, 1982 Mark E Anders
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Notary Public



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Respectfully submitted,
Heinrichs GEOEXploration Company



Mark E. Anders
Geophysicist - Geologist



Walter E. Heinrichs, Jr.
Geological Engineer - Geophysicist
P.E. & C.P.G.S.

GEOEX # 1658



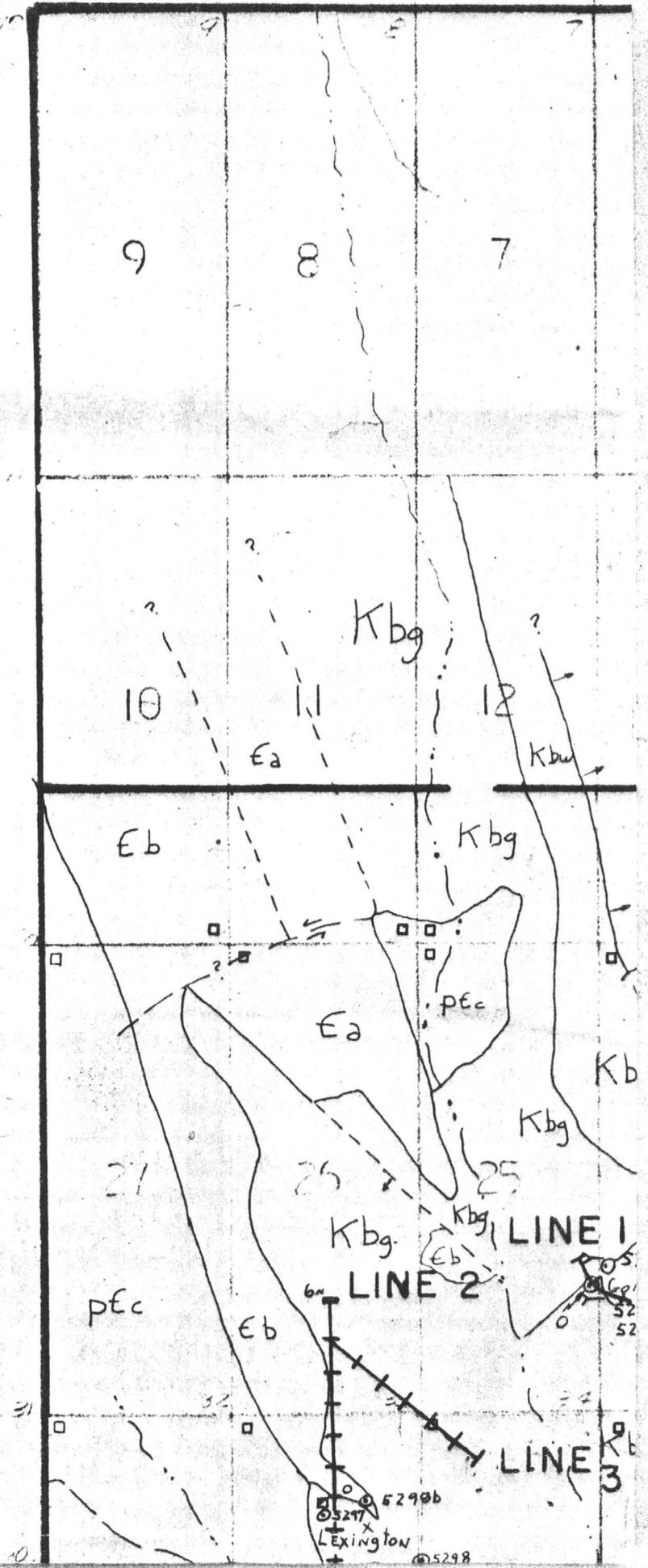
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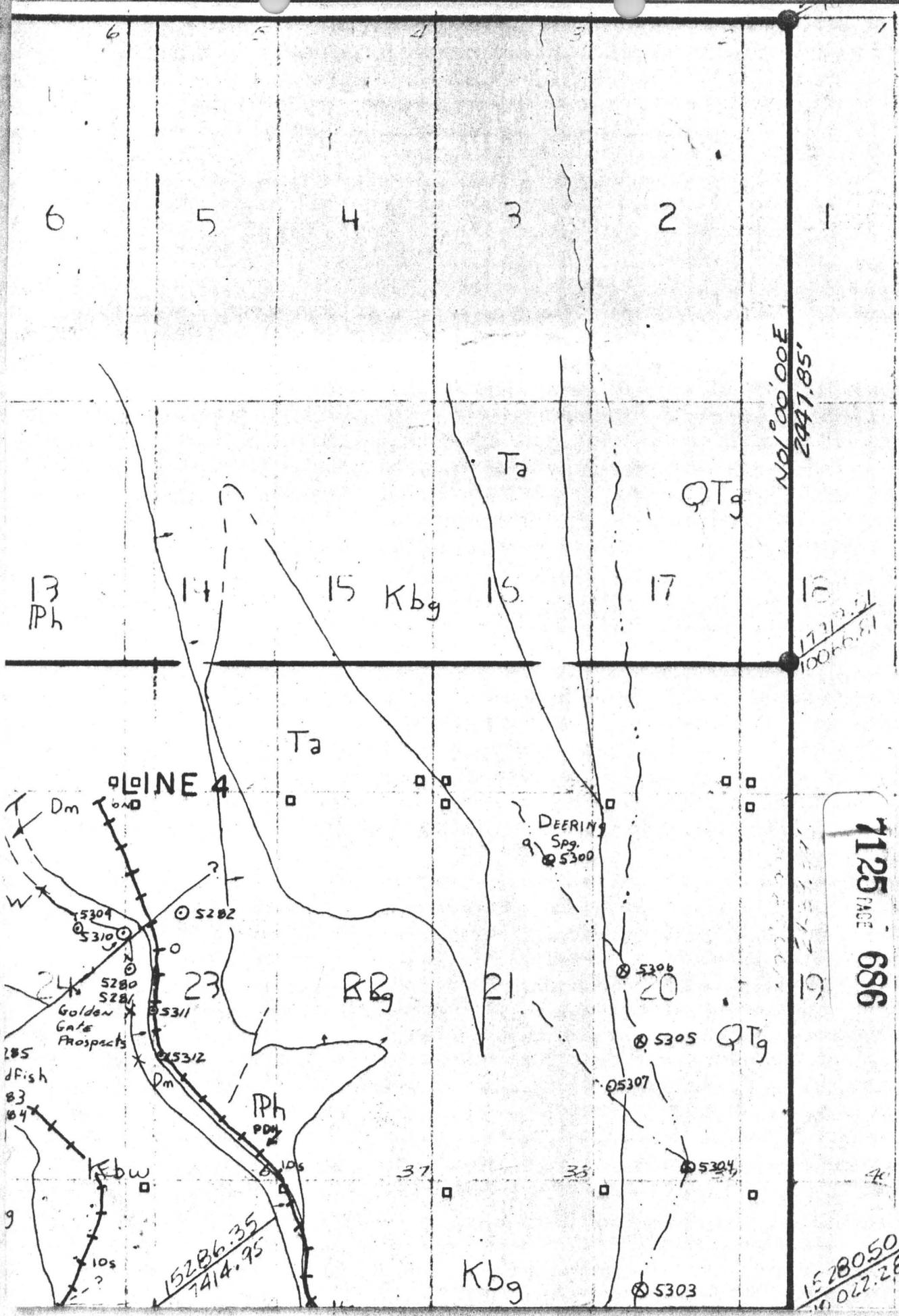
7125 PAGE 684

EXHIBIT A

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Solano #17	N & S ² Sec. 1	11/12/80	AMC 116493	6405	1020
Solano #18-	N & S ² Sec. 1	11/12/80	AMC 116494	6405	1022
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Solano #20	N & S ² Sec. 1	6 6 10/11/80	AMC 112731	6385	1341
Solano #21	N & S ² Sec. 1	10/11/80	AMC 112732	6385	1343
Solano #22	S ² Sec. 1	12/20/80	AMC 119174	6432	1633
Solano #23	S ² Sec. 1	12/20/80	AMC 119175	6432	1629
Solano #24	S ² Sec. 1	12/20/80	AMC 119176	6432	1631
Solano #25	S ² Sec. 1	12/20/80	AMC 119177	6432	1627
Solano #26	S ² Sec. 1	12/20/80	AMC 119178	6432	1625
Solano #27	S ² Sec. 1	12/20/80	AMC 119179	6432	1621
Solano #28	Sec. 1 & 12	10/17/80	AMC 114860	6399	1145
Solano #29	Sec. 1 & 12	10/17/80	AMC 114861	6399	1147
Solano #30	Sec. 11 & 12	10/17/80	AMC 114862	6399	1149
Solano #31	S ² Sec. 1 & 12	10/17/80	AMC 114863	6399	1151
Solano #32	S ² Sec. 1 & 12	10/17/80	AMC 114864	6399	1153
Solano #33	Sec. 1 & 12	10/30/80	AMC 117651	6424	926
Solano #34	Sec. 1 & 12	10/ 9/80	AMC 112733	6383	1041
Solano #36	Sec. 1, 12, 6 & 7	10/11/80	AMC 112735	6385	1347
Solano #37	Sec. 12 & 7	10/11/80	AMC 112736	6385	1345
Solano #38	Sec. 12	10/11/80	AMC 112737	6385	1349
Solano #39	Sec. 12	10/ 4/80	AMC 112615	6382	921
Solano #40	Sec. 12	10/17/80	AMC 113799	6390	1201
Solano #41	Sec. 12	10/17/80	AMC 113800	6390	1203
Solano #42	Sec. 12	10/17/80	AMC 113801	6390	1205
Solano #43	Sec. 12	10/17/80	AMC 113802	6394	941
Solano #10	N & S ² Sec. 1	11/17/80	AMC 116486	6410	1056
Solano #11	N & S ² Sec. 1	11/17/80	AMC 116487	6410	1060
Solano #45	Sec. 12	10/23/80	AMC 113804	6394	943
Solano #44	Sec. 1 & 127	10/23/80	AMC 113803	6394	941
Solano #35	Sec. 1 & 12	10/ 9/80	AMC 112734	6383	1043

7125 PAGE 685





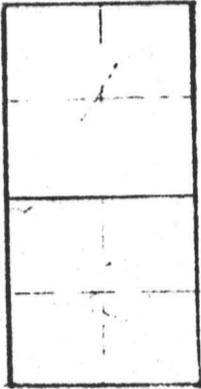
Nol 00' 00" E
2997.85'

17 12.21
1006.81

7125 PAGE 686

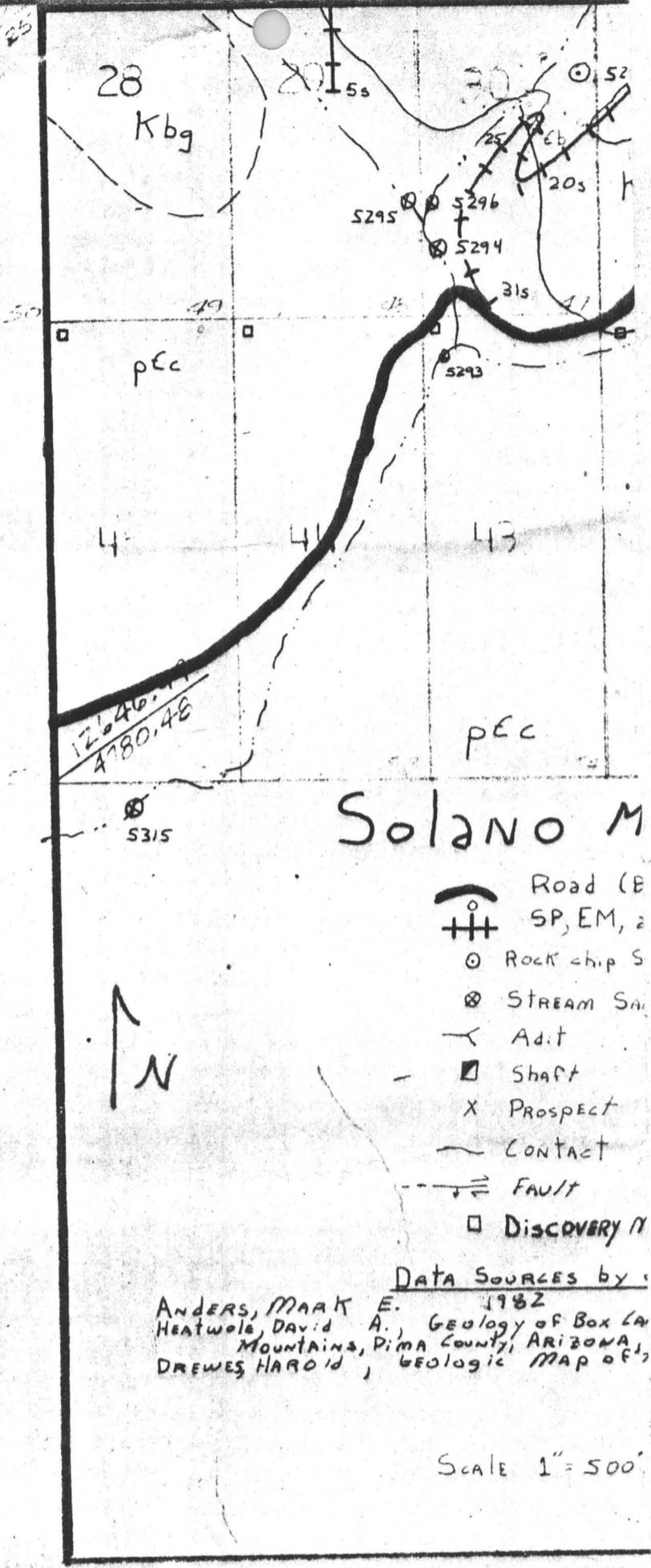
1528050
10022.28

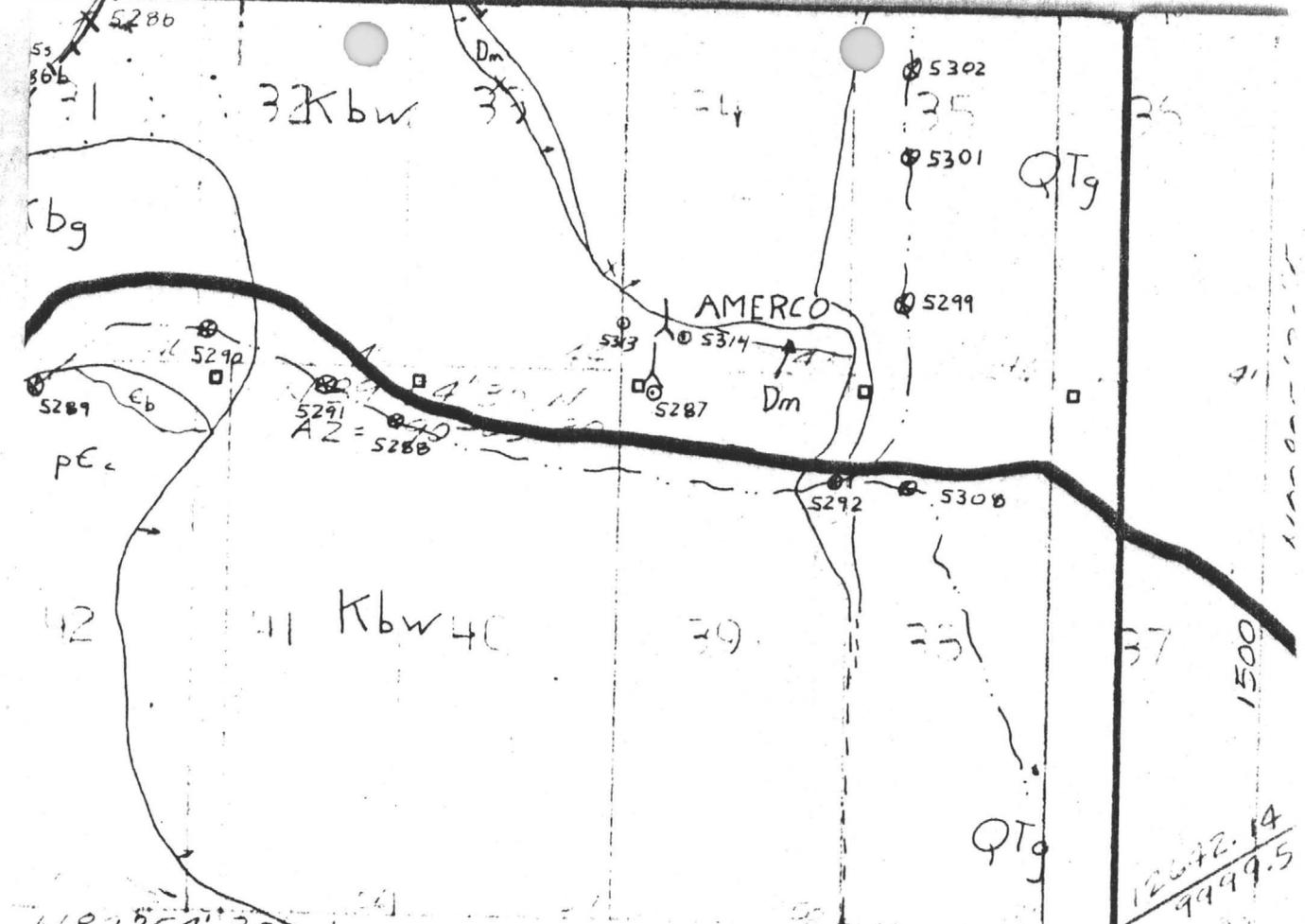
NTS



7125 PAGE 687

E 30-031-121





N 87° 54' 30" E
 1/4 SECTION 33

Pima County, Arizona

Box Canyon
 and Magnetic Profiles
 Sample
 note

QTg

GRAVEL

Kbw

Willow Canyon Formation

Kbg

Glance Conglomerate

Ta

Andesite

[Empty box]

Ph.

HORQUILLA limestone

Dm

MARTIN FORMATION

Ea

Abajo Formation

Eb

Bolsa Quartzite

pEc

CONTINENTAL GRANODIORITE

12542.14
 9999.5

1/11/1

80-

Revise

MARKERS

FROM:

Box Canyon, Santa Rita
 Univ. of Ariz. Thesis, 1966
 The Sahuarita Quad., 1971

7125
 688

Sept. 7

[3039 ← Ram Mine
2955 ← st. mileage
7:45 - 4:45

Small workings

N45W ~ 200'
From ← Lex. mine

Lexington Mine shaft N72W - dip ~ 60S
Strike Hemitite, gatz
minor → Pyrite + galena

LINE ACROSS Lex. mine

	Mag	SP	1.0	5.0
0-100 N	4938	-25.6	0	0
200	4936	3.2	23W	23
300	4937	-20.7	24W	24
400	4937	10.8	Z	Z
500	4937	-1.0	1B	1B
600	4937	-12.3	2W	2W

555E To claim post Solano 30 NWCR

0-100		1.4	2E	2E
2	↑ 4936	-1.2	4E	4E
3	4937	1.0	Z	Z
4	4940	-1.0	2E	4E
5	4937	5.1	1W	1W
6	4938	-5.4	1E	1E

0-100s		-37.1	1E	1E
200	4934	-7.0	1E	1E
CRX 300	4936	1.9	1W	1W
400	4933	-2.3	7W	5W
-500	4933	-2.5		

Drill hole locations

1. ~25s' From station 100 steel cased
NO top dg

Sept. 8, 1983

8-2100

Mileage → 3039

End → 3131

Sept. 9, 1983

65,353

65,461 → 108m

Shrs

		SP	1.0	5.0	
↙ NEAR Spanish Canyon					
0-100	4940	-7.6	1.5W	2W	
200	4939	15.8	2W	2W	
300	4940	-7.9	2	2	
400	4938	-1.2	4	5	
500	4940	7.5	2	2	
600	4940	-3.3	3.5	20	
700	4939	-3.3	3	3	
800	4938	12.1	4	2	
900	4939	-15.9	0	1	
1000	4939	-10.0	0	0	
1100	4940	23.1	2.5W	2.5E	
Possible drill hole ↗	1200	4940	8.2	4	6
	1300	4939	-2.0	0	0

L.S. - LS contact ~ 1025'

1200-1300 → L.S. - Gong. contact
in a small saddle

1400	4939	-6.5	0	0
1500	4939	10.3	1W	1W
1600	4938	-9.6	0.5W	0.5E

1 5

○-100N

4940

-22.1

2w

2w

drill hole ~ 25'w

200

4943

7.5

4.5

4.5

300

4942

1.8

2

2

400

4943

4.2

10W

10W

500

4943

3.0

4.5

4.5

600

4942

1.3

2w

2w

SP Data Line #1 Solowao

100 N	→ -22		
0	→ 0	1900	-50.2
100 S	→ -3.4	2000	-52.7
200	2.7	2100	-54.8
300	-15.2	2200	-52.5
400	1.8	2300	-60.1
500	-15.1	2400	-37.8
600	-26.6	2500	-46.7
700	-34.7	2600	-35.7
800	-29.5	2700	-43.5
900	-23.8	2800	-37.5
10	-34.5	2900	-38.8
1100	-35.2	3000	-27.8
1200	-46.5	3100	-22.8
1300	-44.1		
1400	-41.1		
1500	-40.7		
1600	-47.1		
1700	-34.9		
1800	-53.4		

Line 2

Solano Claims

SP For lines about Lexington mine

0 → 0

0 → 0

0-100N — -25.6

0-100S — -37.1

200 — -22.4

200 — -44.1

300 — -43.1

300 — -42.2

400 — -32.3

400 — -44.5

500 — -33.3

500 — -47.0

600N — -45.6

600

0 → 0 N55W

0-100SE 1.4

200 0.2

300 1.2

400 0.2

500 5.3

600 -0.1

Line 3

Line on top of Ridge
Road

0 - 0	0 - 0
100s - -7.6	100M - -22.1
200 8.2	200 -14.6
300 0.3	300 -12.8
400 -0.9	400 -8.6
500 6.6	500 -5.6
600 3.3	600 -4.3
700 0	
800 12.1	
900 -3.8	
1000 -13.8	
1100 9.3	
1200 17.5	
1300 15.5	
1400 9.0	
1500 19.3	
1600s 9.7	



HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964, TUCSON, ARIZONA 85703. 806 WEST GRANT ROAD. PHONE: (602) 623-0578

October 12, 1982

Solano Mining Company
2107 East Solano Drive
Phoenix, AZ 85016

Re: GEDEX #1568
Solano Claims
Geologic Mapping
Geochemical Survey

Dear Mr. Brooke

Transmitted herewith are two (2) copies of our report that was filed with Pima County and when returned will be filed with the BLM. Also included are the assay reports for 19 stream sediment samples and 17 rock chip samples.

Our report includes a geologic map which is a compilation of field observed geology and preexisting geologic maps on the area. The map includes the location of our geochemical samples along with location of the major workings on your claim group.

In the course of preparation to do the field work we identified several references on the area that might be of use to you in the future, these include the following:

1. Drewes, Harald, 1971b, Geologic map of the Sahuarita quadrangle, southeast of Tucson, Pima County, Arizona: U.S. Geol. Survey Misc. Inv. Ser. Map I-613
-----1972b, Structural geology of the Santa Rita Mountains, southeast of Tucson, Arizona: U.S. Geol. Survey Prof. Paper 748, 35p.
-----1973, Geochemical reconnaissance of the Santa Rita Mountains, southeast of Tucson, Arizona: U.S. Geol. Survey Bull. 1365, 67p.
2. Heatwole, David, 1966, Geology of Box Canyon, Santa Rita Mountains, Pima County, Arizona, University of Arizona, Thesis
3. Schrader, F.C., 1915, Mineral deposits of the Santa Rita and Patagonia Mountains, Arizona, with contributions by J.M. Hill: U.S. Geol. Survey Bull. 582, 373 p.

As stated above there were a total of 36 geochemical samples taken, 19 were stream samples and 17 were rock chip samples. The stream sediments samples were assayed for 31 elements using an emission spectrographic analysis which provides a comparatively

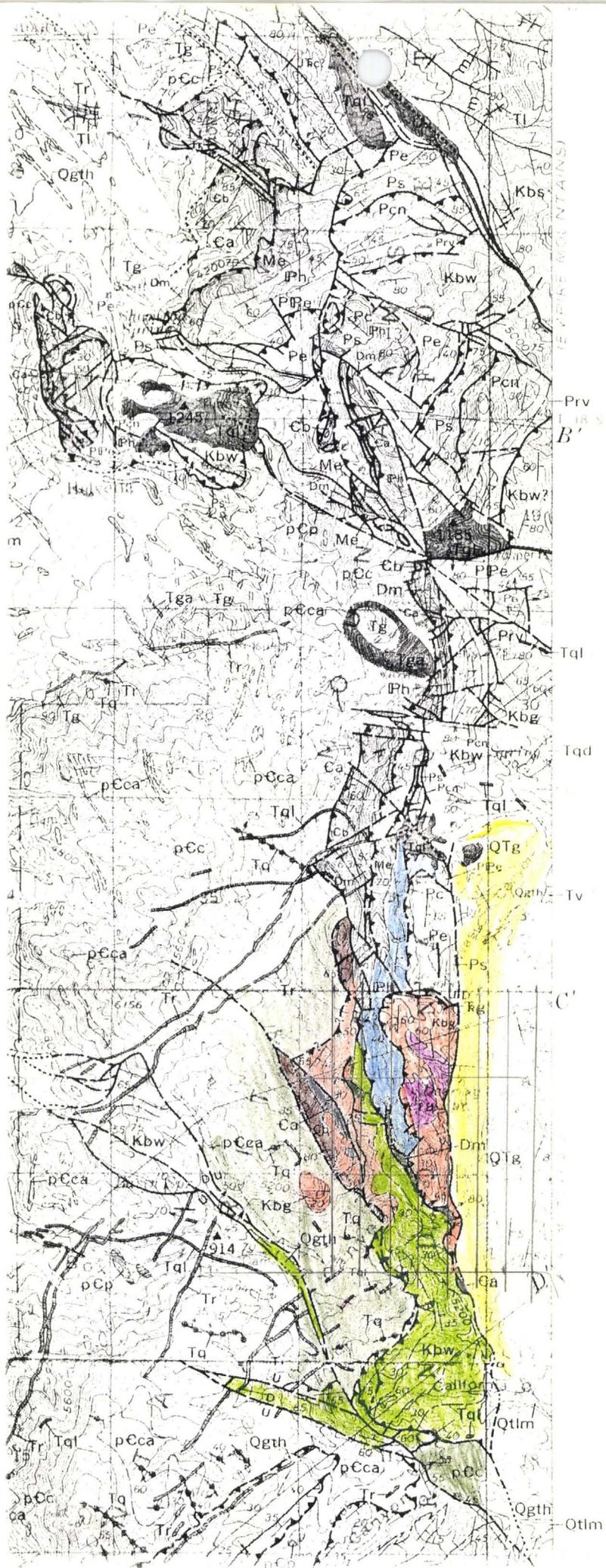
low-cost preliminary method of determining the content of a large number of elements, this method was picked because of the reconnaissance nature of the survey. The 17 rock chip samples are from a variety of locations but mostly are from various old workings in the area (see map for locations). When sampling the workings we tried to get at least two samples from each location, one from the dump that could perhaps be representative of a character sample of that location and the other sample would come from the vein itself. While assays at the various workings shows anomalism of gold, silver, copper, lead, and zinc, there would need to be considerably more detailed work done in order to say if there really is any economic mineral potential. The stream samples for the most part show little anomalism but there are two samples that gave a little gold anomaly that is down stream from the Goldfish mine and Golden Gate prospects, more sampling would be needed to determine the true source and significance of these values.

We hope that this survey will allow you to make future plans on the Solano claims. If you have any questions please don't hesitate to contact us, we hope that GEDEX can help you in the planing and/or performing of any future geologic work.

Sincerely yours,
Heinrichs GEDEXploration Co.


Mark E. Anders
Geophysicist-Geologist

Enclosures: Report filed with Pima County
Final Billing



Paleocene

Upper Cretaceous

Lower Cretaceous

Bisbee Group



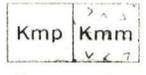
Quartz veins
May include some older veins



Granitic rocks
Tg, granodiorite and quartz monzonite stocks
Tga, aplite and quartz-aplite masses
Tqd, quartz diorite stocks



Elephant Head Quartz Monzonite
Coarse-grained quartz monzonite, probably of the Quan



Madera Canyon Granodiorite
Kmp, coarse-grained granodiorite porphyry phase
Kmm, melanocratic granodiorite phase
The coarse-grained granodiorite phase, present only in the Sahuarita quadrangle, is dated as 68 m.y.



Salero Formation
Dacitic volcanic breccia of the exotic block member, here in exotic blocks



Fort Crittenden Formation
Sandstone, conglomerate, and siltstone of the brown conglom

UNCONFORMITY



Turney Ranch Formation
Quartzitic sandstone and red siltstone



Shellenberger Canyon Formation
Greenish-gray siltstone, and sandstone



Apache Canyon Formation
Brown sandstone, siltstone, and conglomerate, and thin bedded limestone, some of which are fossiliferous
m, limestone marker bed

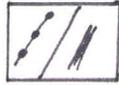


Willow Canyon Formation
Brown conglomerate, arkose, and siltstone, and reddish-brown conglomerate and siltstone



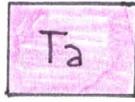
Glance Conglomerate
Pebble to boulder conglomerate; locally consists of limestone or arkosic conglomerate

Qtz Vns



Aphanitic rocks

TERTIARY



Andesite

VESICULAR + amygdaloidal andesite intrusions

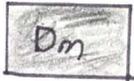
PENN



Horquilla limestone

FINE GR., mod. thinly bedded LS + silts

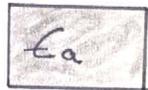
DEVONIAN



Martin Formation

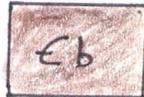
Brown dolomite, LS, siltstone

CAMBRIAN



ABRIGO Formation

shale, quartzite, ss, LS



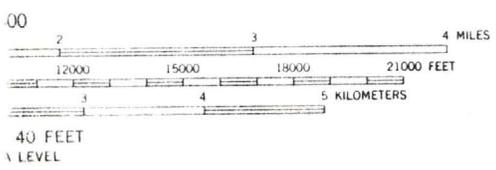
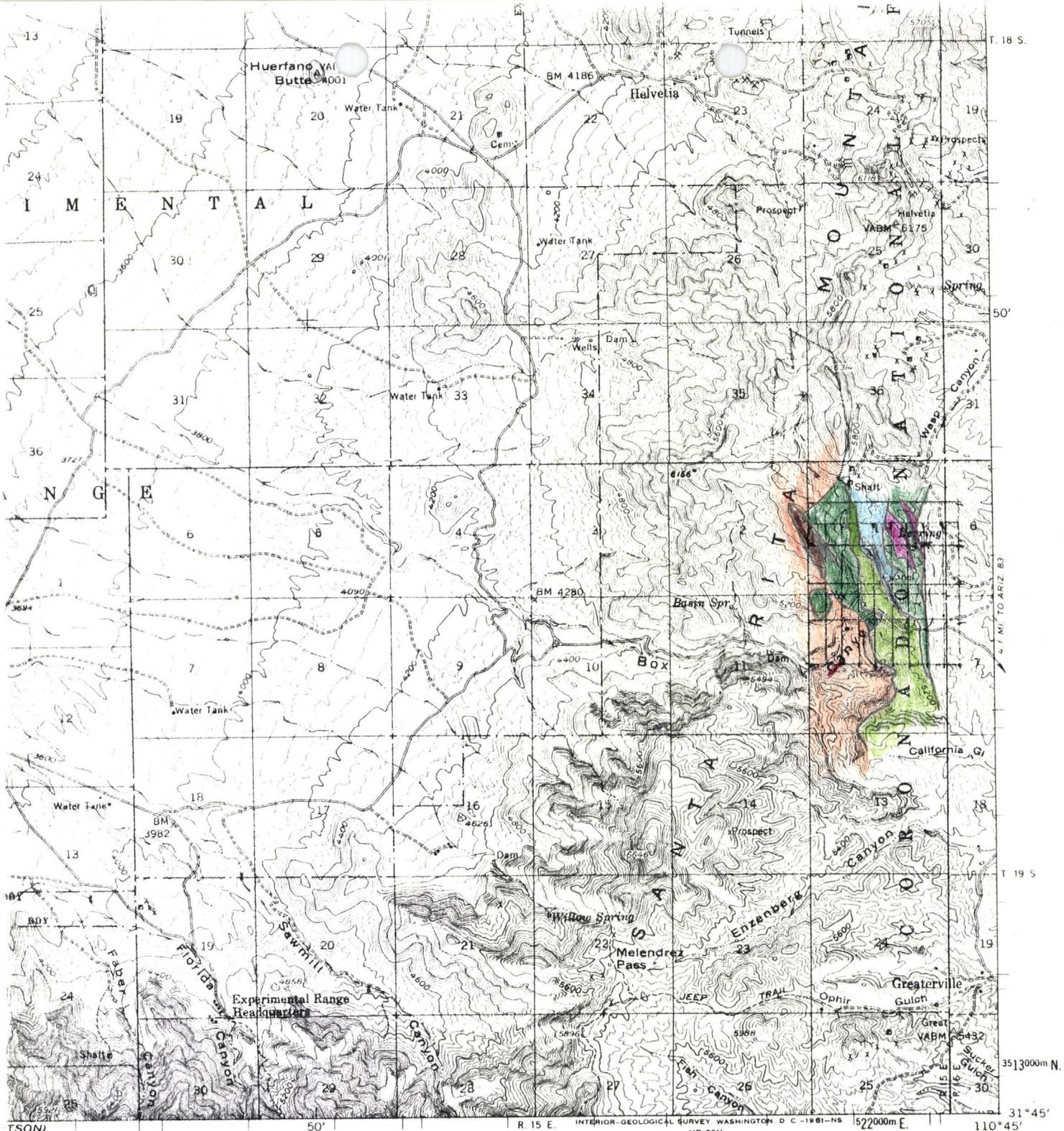
BOLSA QUARTZITE

COARSE-GRAINED thick bedded



CONTINENTAL GRANODIORITE

Porphyry, (QM + GD)



QUADRANGLE LOCATION

ROAD CLASSIFICATION

Heavy-duty		Light-duty	
Medium-duty		Unimproved dirt	
	U. S. Route		State Route

SAHUARITA, ARIZ.
N3145—W11045/15

1958

MAP ACCURACY STANDARDS
25, COLORADO OR WASHINGTON 25, D. C.
SYMBOLS IS AVAILABLE ON REQUEST

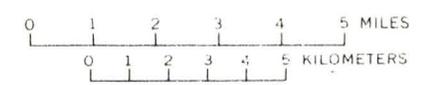
Corona de Tuscon

MILLION

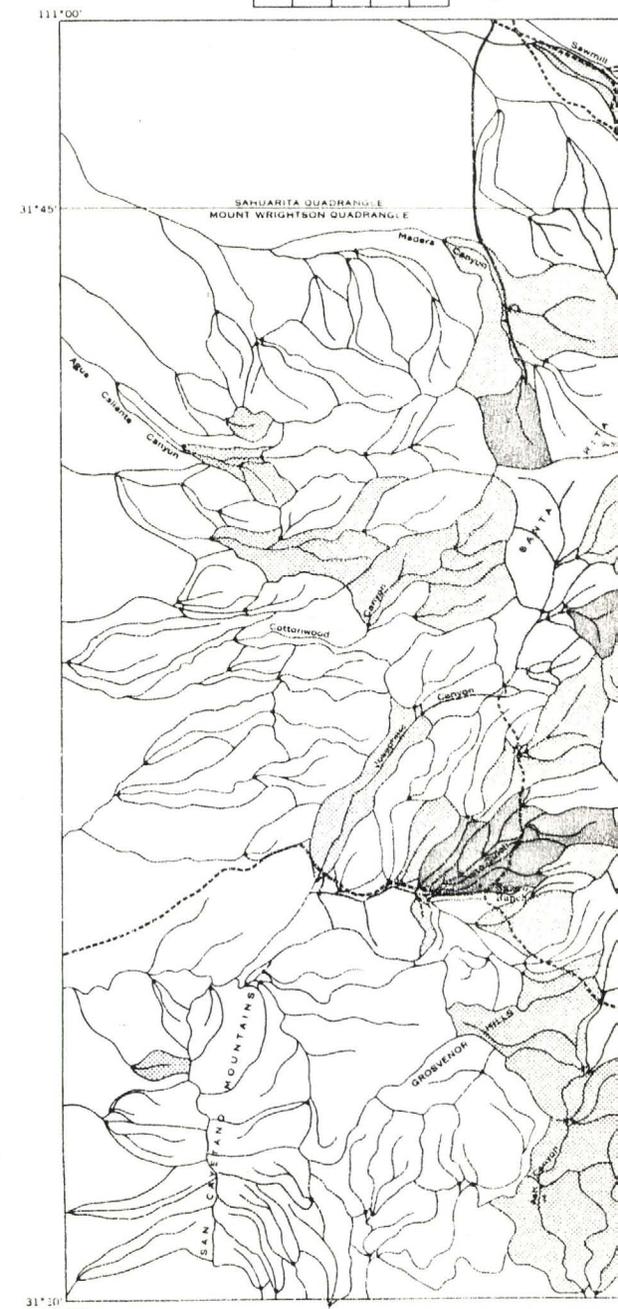
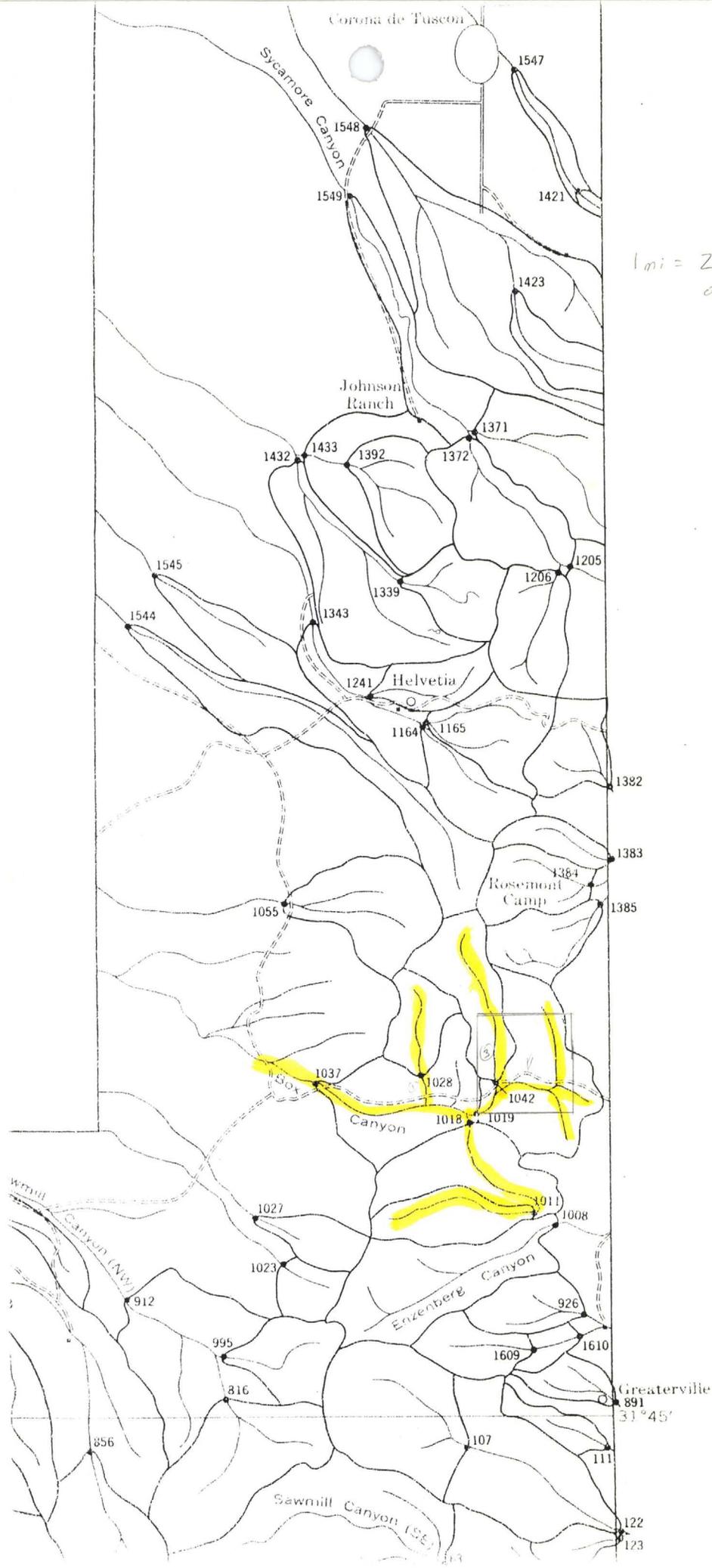


Drainage basin or segment of basin
Showing major washes. All drainage except
Sonoita Creek is ephemeral

Alluvium sample locality



1 mi = 2.0 maps
on the 30 scale



COPPER



HEINRICHS GEOEXPLORATION COMPANY



P. O. BOX 5964, TUCSON, ARIZONA 85703. 806 WEST GRANT ROAD. PHONE: (602) 623-0578

August 2, 1983

Solano Mining Company
2107 E. Solano Drive
Phoenix, AZ 85016

Re: GEOEX #1658
Proposal for Annual Labor
Solano Group of 36 Contiguous
Claims Helvetia-Rosemont District
Pima County, Arizona

Gentlemen:

This will acknowledge Mr. Brooke's call to Mark Anders on 1 August 1983. The matter has been reviewed in the light of last year's work and Mr. Brooke's stated objective of hopefully trying to develop possible drill targets this year for succeeding work.

The annual labor law (1958 amendment) allows for two succeeding years of qualified geological, geophysical and geochemical work and it is more of that type of work which we would propose for this year. Effort would be made to build on last year's results and, hopefully, to identify at least one or more viable drill targets in the process. Of course, we cannot assure that such effort would be successful but, we can sure try our best to make it so. Follow-up of last year's anomalous geochem values will be in order along with possibly more detailed geologic mapping. EM geophysics is another approach worth considering with an objective of mapping mineralized veins and/or mineralized faults not otherwise mappable geologically. Emphasis would be on gold or silver possibilities but other metal possibilities would not be ignored. As you may be aware, evidence of precious metal occurrences often is extremely subtle.

Professional fees are \$35.00 per man hour and helpers \$15.00 per man hour. Vehicles are \$2.00 per hour or \$40.00 per day, whichever is less, plus \$0.40 per mile per vehicle. Direct job expenses including outside labor or equipment, are charged at 120% of our invoiced costs.

It is assumed that you desire not to exceed \$3600 in total charges and on that basis, we request, as customary in the industry, \$1800.00 in advance as per statement enclosed. Receipt of this amount will serve as your firm notice that

Solano Mining Company
August 2, 1983
Page Two

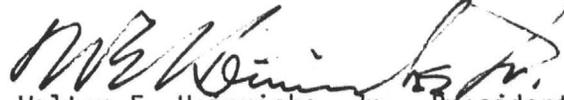
you wish us to proceed on your behalf. Detailed billings will be submitted periodically with a final statement accompanying our report. Subject to prior commitments, work will be initiated in August and continued without interruption until completed, as required by law.

Please let us know right away if there are any questions as time is of the essence.

If the above correctly sets forth our mutual understanding your acceptance and approval of same may be indicated by executing the extra copy of this letter as provided below and returning same to us in the stamped envelope provided.

Faithfully,

Heinrichs GEOEXploration Co., (Inc.)



Walter E. Heinrichs, Jr., President
Geol. Engr. - Geop., P.E. & C.P.G.S.

WEH:mt
Enclosed: Statement
Copy of Proposal
Return Envelope

Accepted and Approved: Aug 10 1983 (date)

SOLANO MINING COMPANY

By: Malcolm D Taylor

Name: MALCOLM D TAYLOR

Title: Partner

Check
enclosed
8-23-83



HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964, TUCSON, ARIZONA 85703. 806 WEST GRANT ROAD. PHONE: (602) 623-0578

August 2, 1983

STATEMENT

Solano Mining Company
2107 E. Solano Drive
Phoenix, AZ 85016

Re: #1658 GEOEX
Proposal for Annual Labor
Solano Group of 36 Contiguous
Claims
Helvetia-Rosemont District
Pima County, Arizona

PROFESSIONAL FEES & SERVICES

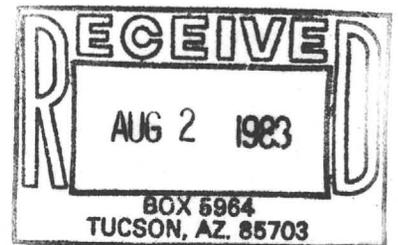
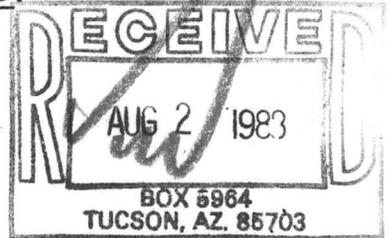
Advance on Account to be Allocated
Against Future Itemized Billings-----\$1,800.00

*Check
Received
8-23-83*

(301)

EXHIBIT A

<u>NAME OF LODE CLAIM</u>	<u>SECTION #</u>	<u>DATE OF LOCATION</u>	<u>BLM SERIAL No.</u>	<u>DOCKET</u>	<u>PAGE</u>
Solano #12	N & S ² Sec. 1	11/17/80	AMC 116488	6410	1058
Solano #13	N & S ² Sec. 1	11/17/80	AMC 116489	6410	1054
Solano #14	N & S ² Sec. 1	11/12/80	AMC 116490	6405	1014
Solano #15	N & S ² Sec. 1	11/12/80	AMC 116491	6405	1016
Solano #16	N & S ² Sec. 1	11/12/80	AMC 116492	6405	1018
Solano #17	N & S ² Sec. 1	11/12/80	AMC 116493	6405	1020
Solano #18	N & S ² Sec. 1 & 6	11/12/80	AMC 116494	6405	1022
Solano #19	N & S ² Sec. 1 & 6	10/11/80	AMC 112730	6385	1351
Solano #20	N & S ² Sec. 1	10/11/80	AMC 112731	6385	1341
Solano #21	N & S ² Sec. 1	10/11/80	AMC 112732	6385	1343
Solano #22	S ² Sec. 1	12/20/80	AMC 119174	6432	1633
Solano #23	S ² Sec. 1	12/20/80	AMC 119175	6432	1629
Solano #24	S ² Sec. 1	12/20/80	AMC 119176	6432	1631
Solano #25	S ² Sec. 1	12/20/80	AMC 119177	6432	1627
Solano #26	S ² Sec. 1	12/20/80	AMC 119178	6432	1625
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Solano #31	S ² Sec. 1 & 12	10/17/80	AMC 114863	6399	1151
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Solano #36	Sec. 1, 12, 6 & 7	10/11/80	AMC 112735	6385	1347
Solano #37	Sec. 12 & 7	10/11/80	AMC 112736	6385	1345
Solano #38	Sec. 12	10/11/80	AMC 112737	6385	1349
Solano #39	Sec. 12	10/ 4/80	AMC 112615	6382	921
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Solano #10	N & S ² Sec. 1	11/17/80	AMC 116486	6410	1056
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Solano #45	Sec. 12	10/23/80	AMC 113804	6394	943
Solano #44	Sec. 1 & 12?	10/23/80	AMC 113803	6394	941
Solano #35	Sec. 1 & 12	10/ 9/80	AMC 112734	6383	1043



BOX 5964
TUCSON, AZ 85703

STATE OF ARIZONA,

County of PIMA

I hereby certify that the within instrument was filed and recorded on OCT 8 '82 - 3 PM M.

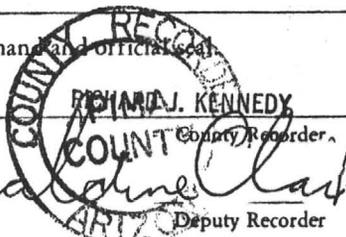
Fee No. 91630

In Docket No. 6883, Page 797-804, at the request of Mark E. Anders

When recorded mail to:

Mark E. Anders
C/O Heinrichs GEOEXploration
P.O. Box 5964
Tucson, Arizona 85703

Witness my hand and official seal.



Fee: 1.80

AFFIDAVIT OF PERFORMANCE OF ANNUAL WORK

State of Arizona }
County of PIMA } ss

1. MARK E. ANDERS
Name
810 W. Grant Road, (P.O. Box 5964 85703)
Address
TUCSON ARIZONA 85705
City State Zip

being duly sworn according to law deposes and says that ~~they are~~ ^{he is} a citizen of the United States more than eighteen years of age and that all of the facts set forth in this affidavit are true and correct according to the best of ~~their~~ ^{his} knowledge, information and belief.

2. That ~~they are~~ ^{he is} personally acquainted with the mining claim named Solano 10-45 as listed on attached Exhibit A situate in the Helvetia Mining District, Pima County, Arizona, the location of which is recorded in the office of the County Recorder of that County in Book 6604, Page 663-664. Notice of location is posted in Section 6, 7, Township 19S, Range 16E, G&SRB&M.

3. That between the dates of January 20, 1982 and September 3, 1982 at least Thirty-six Hundred Dollars (\$3600.00) dollars worth of work and improvements were done and performed upon this claim not including location work.

4. The work and improvements were made by and at the expense of Solano Mining Company 2107 E. Solano Drive, Phoenix, AZ 8 5016, owners of the mine for the purpose of complying with the laws of the United States pertaining to assessments or annual work.

5. MARK E. ANDERS AND DAVID SWANSON OF HEINRICHS GEOEXPLORATION COMPANY P.O. Box 5964, Tucson, AZ 85703 were the names of the persons employed by the owner who labored to do the work and improvements.

6. The work and improvements done were Geologic mapping and geochemical surveying which was done in a manner to benefit the claim group as a whole as set forth in the related detailed report to be filed as required by Statute (30 USCA §28 1 & 2).

Dated September 22, 1982

Mark E. Anders
Signature

Subscribed to and sworn before me, a Notary Public, this 22nd day of September, 19 82, by Mark E. Anders

My Commission expires 11-16-84

Mary H. Turner
Notary Public

EXHIBIT A

<u>NAME OF LOSE CLAIM</u>	<u>SECTION</u>	<u>DATE OF LOCATION</u>	<u>BLM SERIAL No.</u>	<u>DOCKET</u>	<u>PAGE</u>
Solano #12	N & S ² Sec. 1	11/17/80	AMC 116488	6410	1058
Solano #13	N & S ² Sec. 1	11/17/80	AMC 116489	6410	1054
Solano #14	N & S ² Sec. 1	11/12/80	AMC 116490	6405	1014
Solano #15	N & S ² Sec. 1	11/12/80	AMC 116491	6405	1016
Solano #16	N & S ² Sec. 1	11/12/80	AMC 116492	6405	1018
Solano #17	N & S ² Sec. 1	11/12/80	AMC 116493	6405	1020
Solano #18	N & S ² Sec. 1 & 6	11/12/80	AMC 116494	6405	1022
Solano #19	N & S ² Sec. 1 & 6	10/11/80	AMC 112730	6385	1351
Solano #20	N & S ² Sec. 1	10/11/80	AMC 112731	6385	1341
Solano #21	N & S ² Sec. 1	10/11/80	AMC 112732	6385	1343
Solano #22	S ² Sec. 1	12/20/80	AMC 119174	6432	1633
Solano #23	S ² Sec. 1	12/20/80	AMC 119175	6432	1629
Solano #24	S ² Sec. 1	12/20/80	AMC 119176	6432	1631
Solano #25	S ² Sec. 1	12/20/80	AMC 119177	6432	1627
Solano #26	S ² Sec. 1	12/20/80	AMC 119178	6432	1625
Solano #27	S ² Sec. 1	12/20/80	AMC 119179	6432	1621
Solano #28	Sec. 1 & 12	10/17/80	AMC 114860	6399	1145
Solano #29	Sec. 1 & 12	10/17/80	AMC 114861	6399	1147
Solano #30	Sec. 11 & 12	10/17/80	AMC 114862	6399	1149
Solano #31	S ² Sec. 1 & 12	10/17/80	AMC 114863	6399	1151
Solano #32	S ² Sec. 1 & 12	10/17/80	AMC 114864	6399	1153
Solano #33	Sec. 1 & 12	10/30/80	AMC 117651	6424	926
Solano #34	Sec. 1 & 12	10/ 9/80	AMC 112733	6383	1041
Solano #36	Sec. 1, 12, 6 & 7	10/11/80	AMC 112735	6385	1347
Solano #37	Sec. 12 & 7	10/11/80	AMC 112736	6385	1345
Solano #38	Sec. 12	10/11/80	AMC 112737	6385	1349
Solano #39	Sec. 12	10/ 4/80	AMC 112615	6382	921
Solano #40	Sec. 12	10/17/80	AMC 113799	6390	1201
Solano #41	Sec. 12	10/17/80	AMC 113800	6390	1203
Solano #42	Sec. 12	10/17/80	AMC 113801	6390	1205
Solano #43	Sec. 12	10/17/80	AMC 113802	6394	941
Solano #10	N & S ² Sec. 1	11/17/80	AMC 116486	6410	1056
Solano #11	N & S ² Sec. 1	11/17/80	AMC 116487	6410	1060
Solano #45	Sec. 12	10/23/80	AMC 113804	6394	943
Solano #44	Sec. 1 & 127	10/23/80	AMC 113803	6394	941
Solano #35	Sec. 1 & 12	10/ 9/80	AMC 112734	6383	1043



HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964. TUCSON, ARIZONA 85703. 806 WEST GRANT ROAD. PHONE: (602) 623-0578

October 8, 1982
GEOEX #1568

REPORT ON SOLANO CLAIMS

This detailed report is filed in compliance with the requirements of Title 30, United States Code, Section 28-1 for the Solano claims, a contiguous group of 36 lode mining claims situated in the Helvetia-Rosemont mining district of Pima County, Arizona and owned by the Solano Mining Co. of Phoenix Arizona.

The work consisted of geologic mapping and geochemical sampling of the property which concluded with a written report and a map. The work was performed to attempt to assign economic priorities to the mineralization and to assist in planning further exploration and/or development. The work was performed January 20, 1982 through September, 3 1982 by Mark E. Anders, a geologist and geophysicist with degrees from the University of Arizona and Northern Arizona University and three years experience in mineral exploration, and by David Swanson a geologic and electrical technician with over 20 years of experience with the mineral industry, under supervision of Walter Heinrichs a graduate professional geological engineer from the Colorado School of Mines, with Arizona State Registered Engineer #2447, American Institute of Geologists certification #688 and over 40 years of experience, all of Heinrichs GEOEXploration Company of 810 West Grant Road, P.O. Box 5964, Tucson Arizona 85703. The cost of the geological and geophysical survey was over \$3,600.00 and was paid for by Solano Mining Co. of Phoenix, Arizona.

The location of the work performed in relation to points of discovery and boundaries of the claims is shown on Exhibit A, as relayed by Mr. William Brooke, which is attached hereto and made a part hereof. The basic findings of the geological and geochemical survey are:

1. The major mineralization is along the Martin Formation and the Willow Canyon Formation contact, with the mineralization mainly in the reddish-brown Willow Canyon Formation. This includes the AMERCO mine and the Golden Gate prospects along with other smaller prospect pits.
2. Taking character samples at the four major mine dumps in

2 the claim group, (Golden Gate, Goldfish, Lexington, and AMERCO), gives anomalous gold and silver values, the veins from these workings give lower values but still anomalous.

3. Mineralization appears to be controlled by faulting.

4. Two stream sediments samples that are down stream from the Goldfish mine shows minor gold anomalism, apparently coming from the Goldfish, but future samples should be taken to try and confirm or determine the exact source.

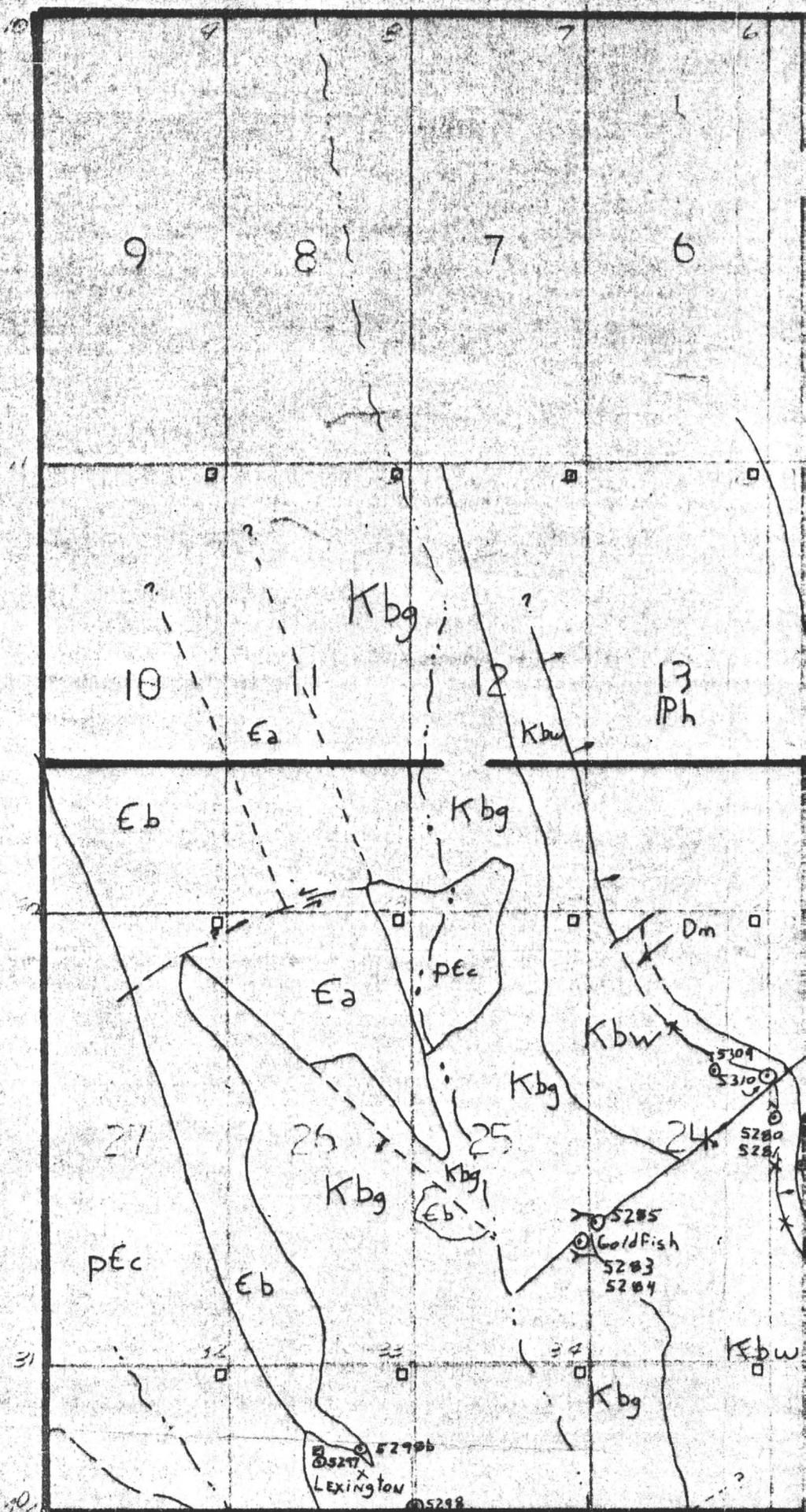
5. Future work should include detailed geologic mapping along the Martin & Willow Canyon formations in order to locate other veins similar to those already located.

More exploration is under consideration for the property. All technical results are in the possession of and are considered to be exclusive property of Solano Mining Company, 2107 E. Solano Drive, Phoenix, AZ 85016.

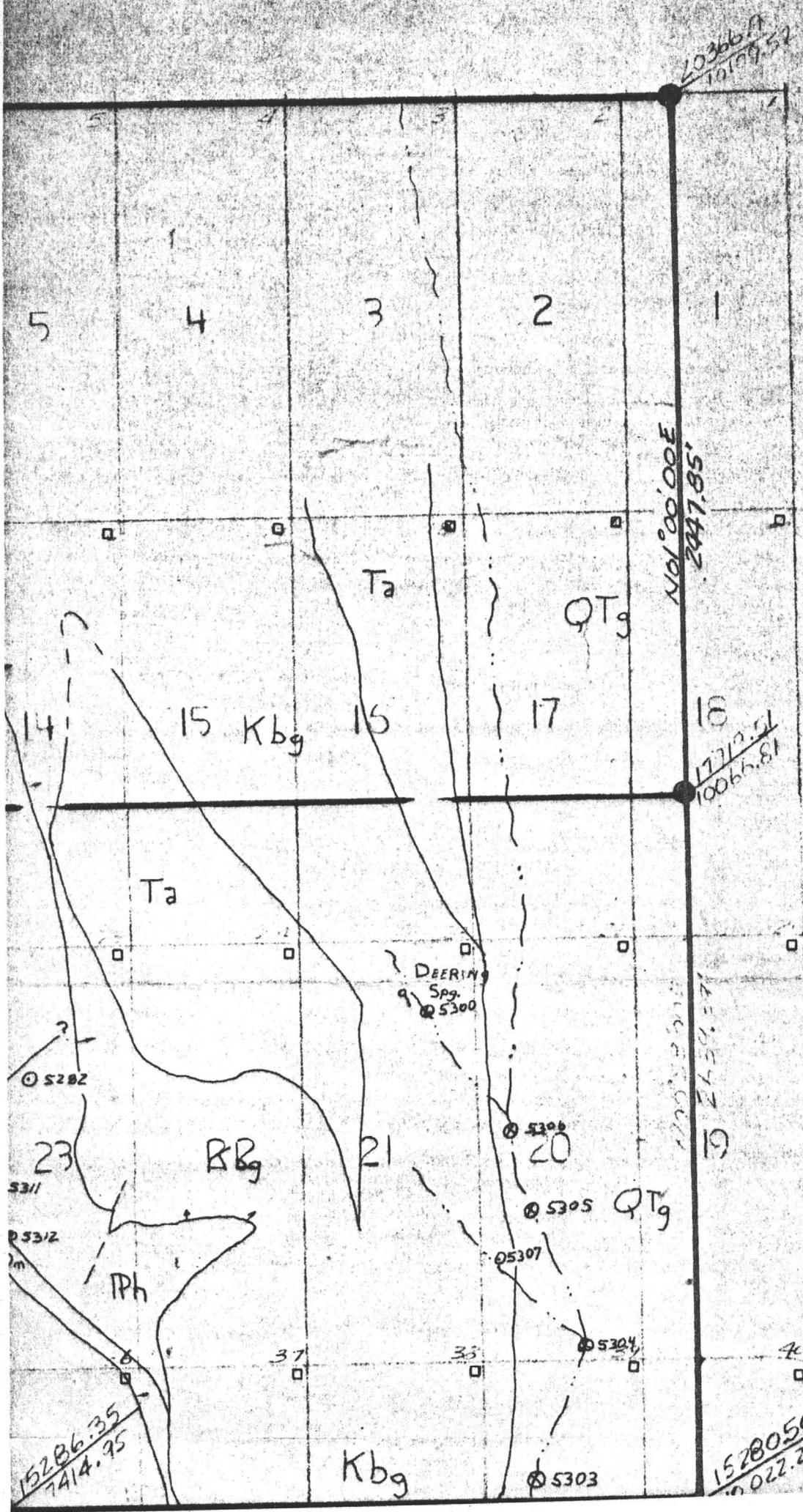
Respectfully submitted,
Heinrichs GEOEXploration Company



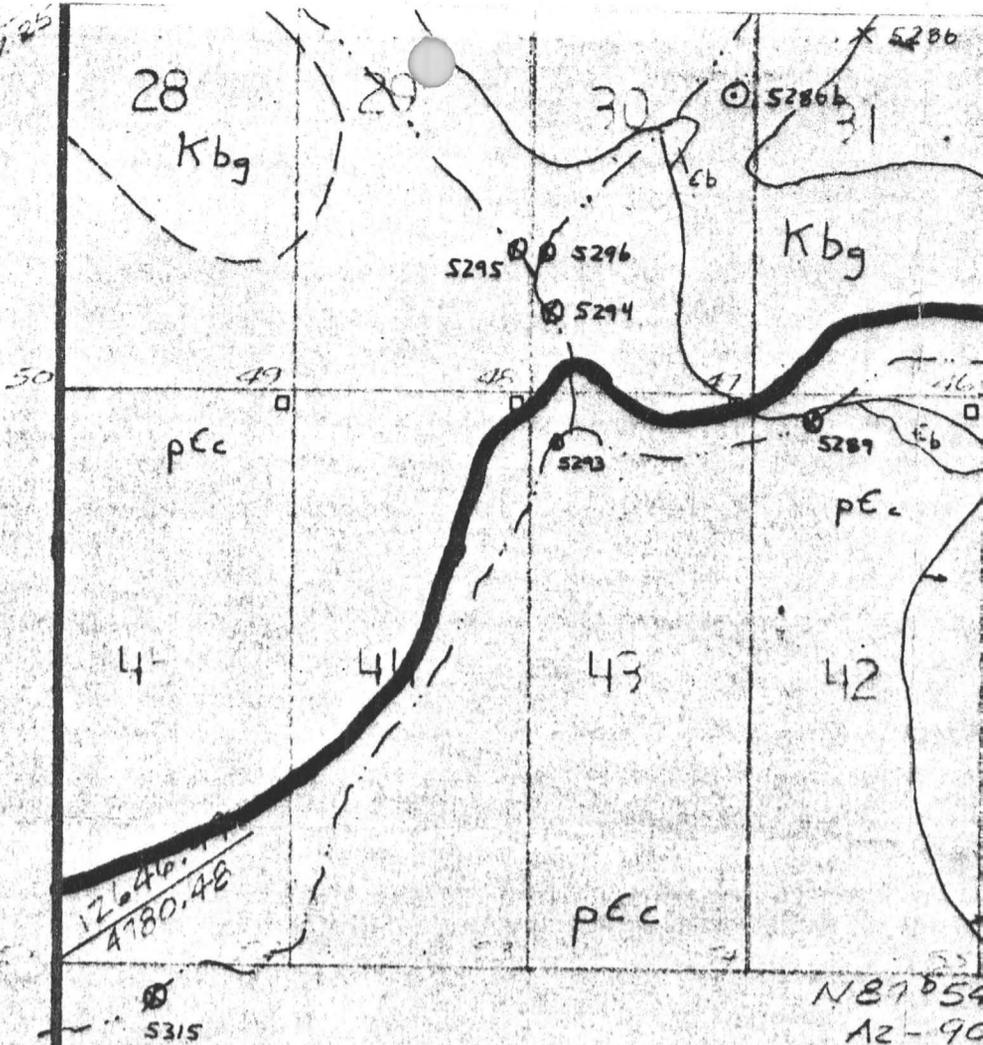
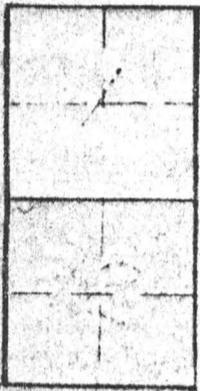
Mark E. Anders
Geophysicist-Geologist



6883 PAGE 801



NTS



- Rock chip Sample
- ⊗ Stream Sample
- ← Adit
- ▣ Shaft
- X Prospect
- Contact
- - - Fault
- location Markers/Dis

Data Sources by or from:

Anders, Mark E. 1982
 Heatwole, David A., Geology of Box Canyon, Santa Rita
 Mountains, Pima County, Arizona, Univ. of Arizona
 Drews, Harold, Geologic Map of the Sahuarita

Scale 1" = 500'

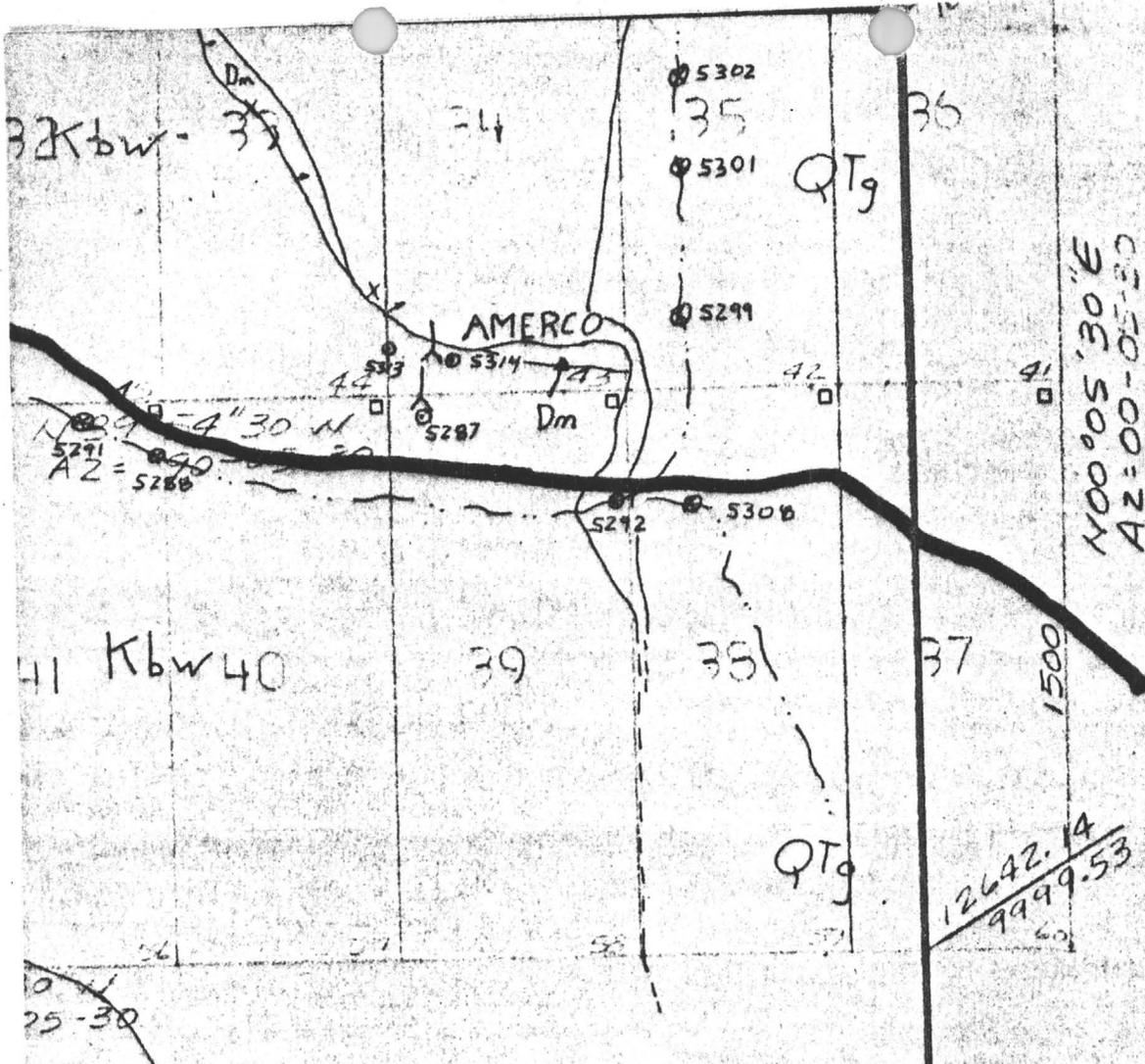
Solano Mining Claims

T. 19 S., R. 15 E., Sections 1, 12

T. 19 S., R. 16 E., Sections 6, 7

Exhibit A

E 80-031-121
 STER SHEET
 BP IN FILE



MINING CLAIMS
80-031

Revised Sept 30,

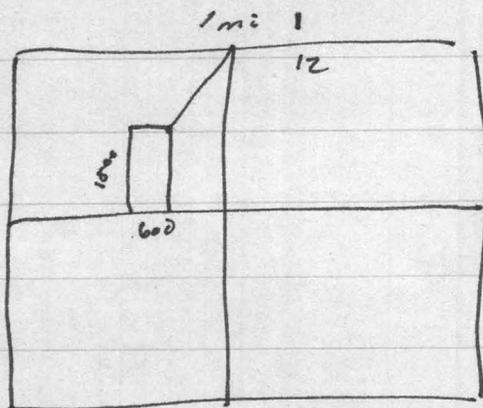
QTg	IPH
GRAVEL	HORQUILLA limestone
Kbw	Dm
Willow Canyon Formation	MARTIN FORMATION
Kbg	Ea
GLANCE CONGLOMERATE	Abrigo Formation
Ta	Eb
ANDESITE	Bolsa Quartzite
	PEC
	CONTINENTAL GRANODIORITE

VERY
thesis, 1966
Ad., 1971

#45
Found SW CORNER of claim group ~ 150' from road
" Mid pt. of #45 on s. side of wash in place

Claim location for #42

S 36-03-35W and a distance
of 1413.58' of $\frac{1}{4}$ cor or sections 1+12
to NW corner of claim



By road
that goes
up canyon
to workings

~
NW of 42

claims

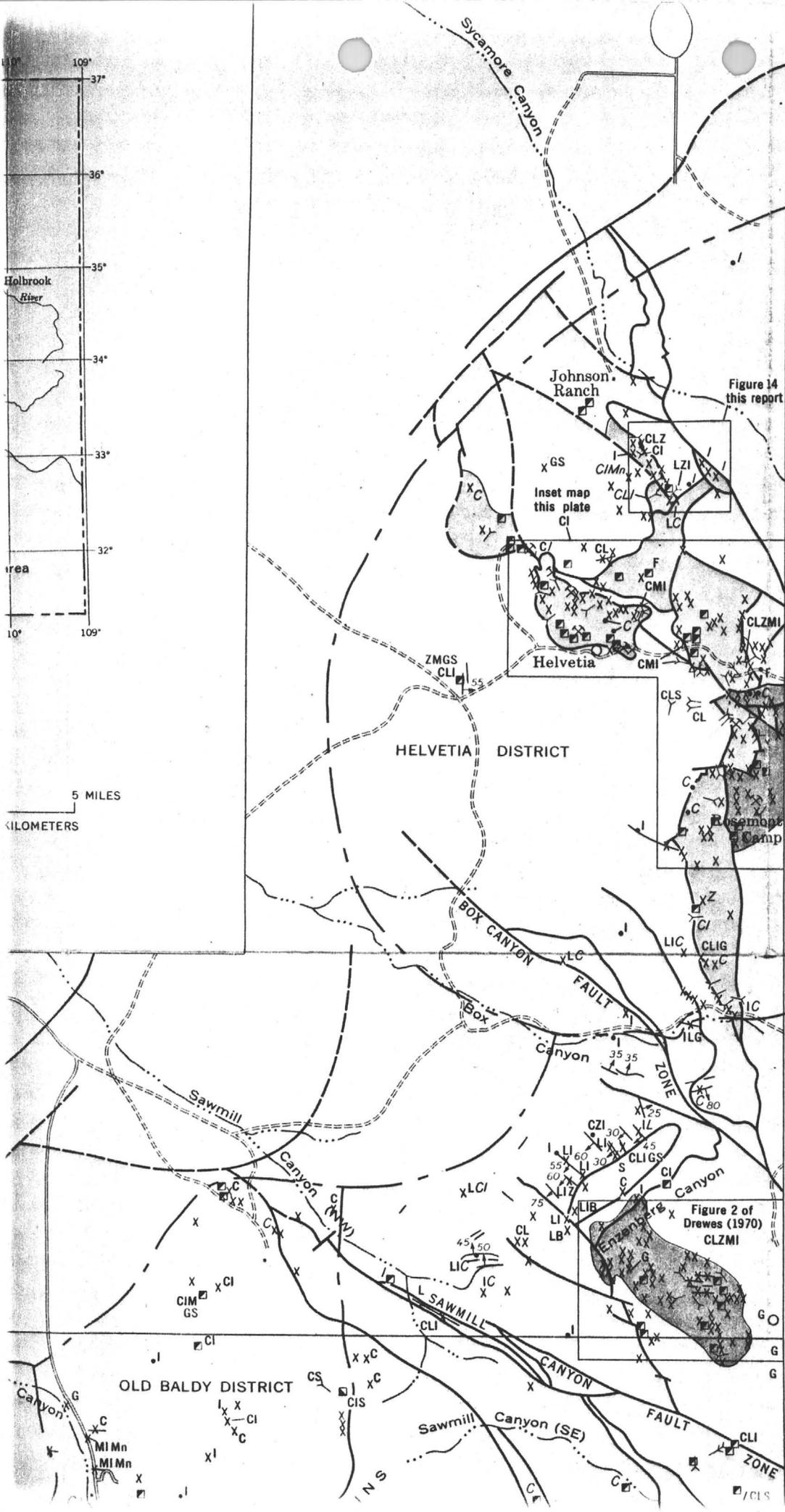
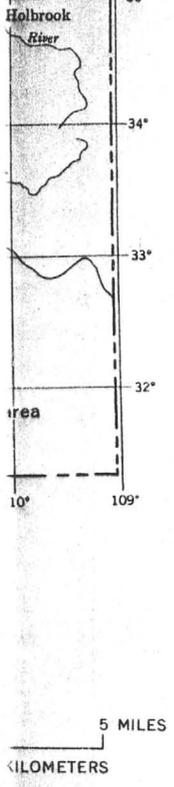
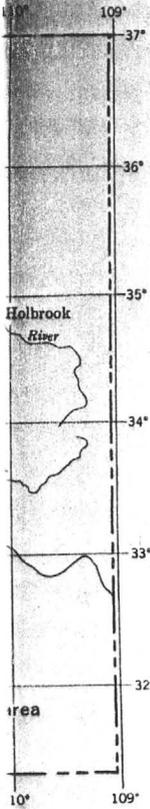


Figure 14
this report

Inset map
this plate

Figure 2 of
Drewes (1970)



QE
75
B9
#1365

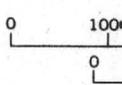
Mainly arkose,
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Mainly lim

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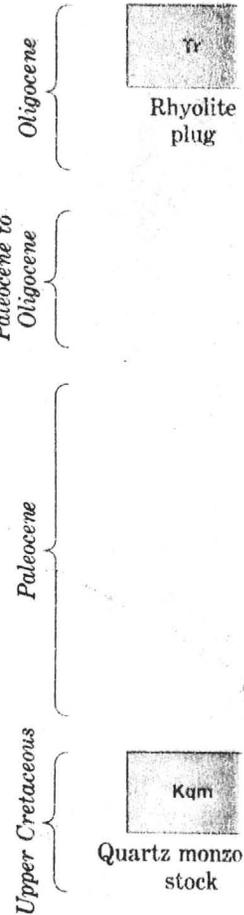
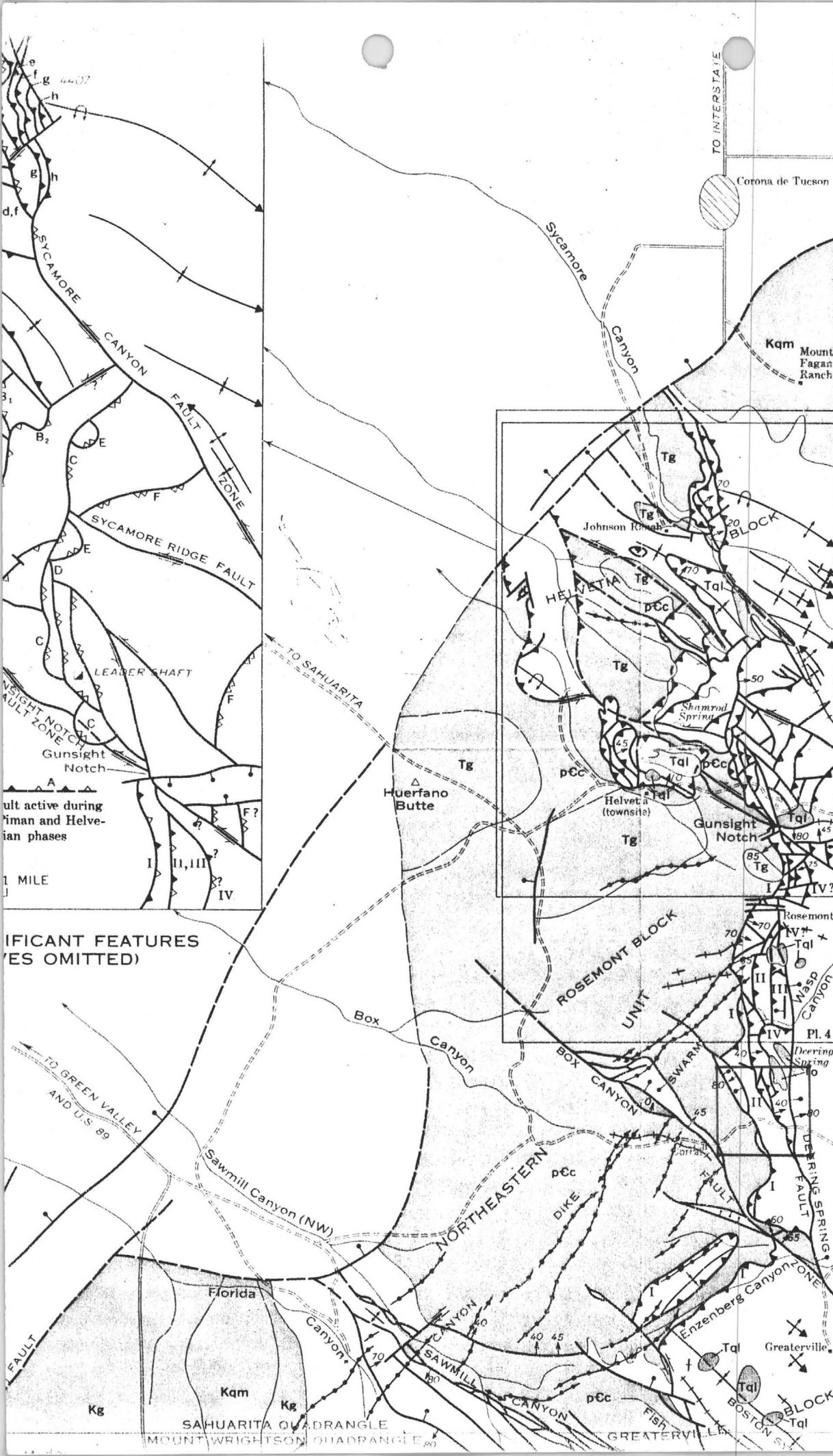
Numbers
corresp

Shaft



GENERAL

Greaterville
31°45'



To — Intrusives
latite, dacite, andesite

pCc → Continental
granodiorite

High angle fault
ball on down shown

ult active during
Timan and Helve-
ian phases

IFICANT FEATURES
(ES OMITTED)

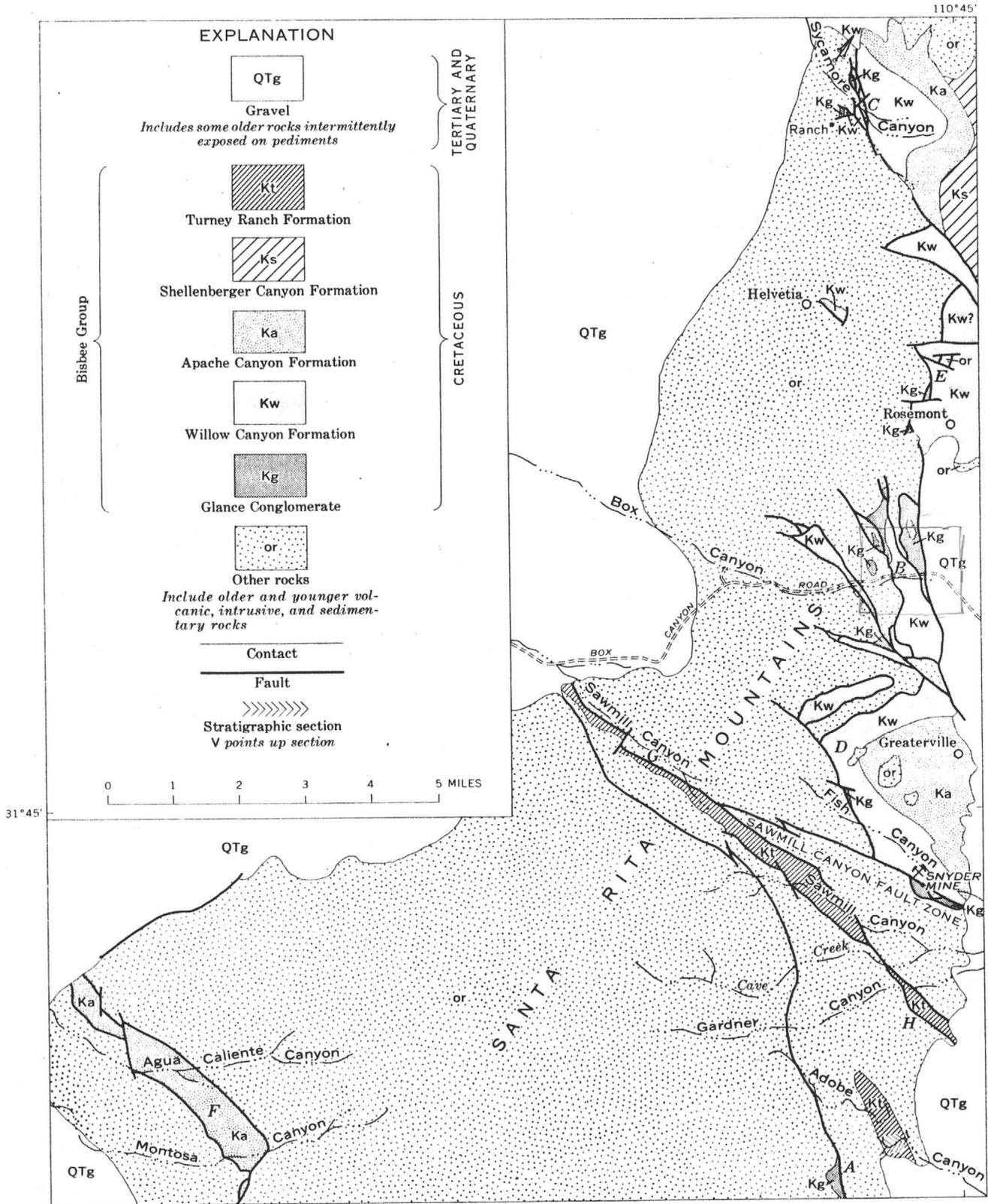


FIGURE 28.—Distribution of rocks of the Bisbee Group in the Santa Rita Mountains. Localities A-H are referred to in the text.

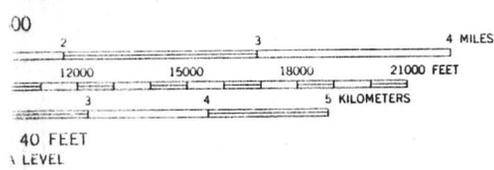
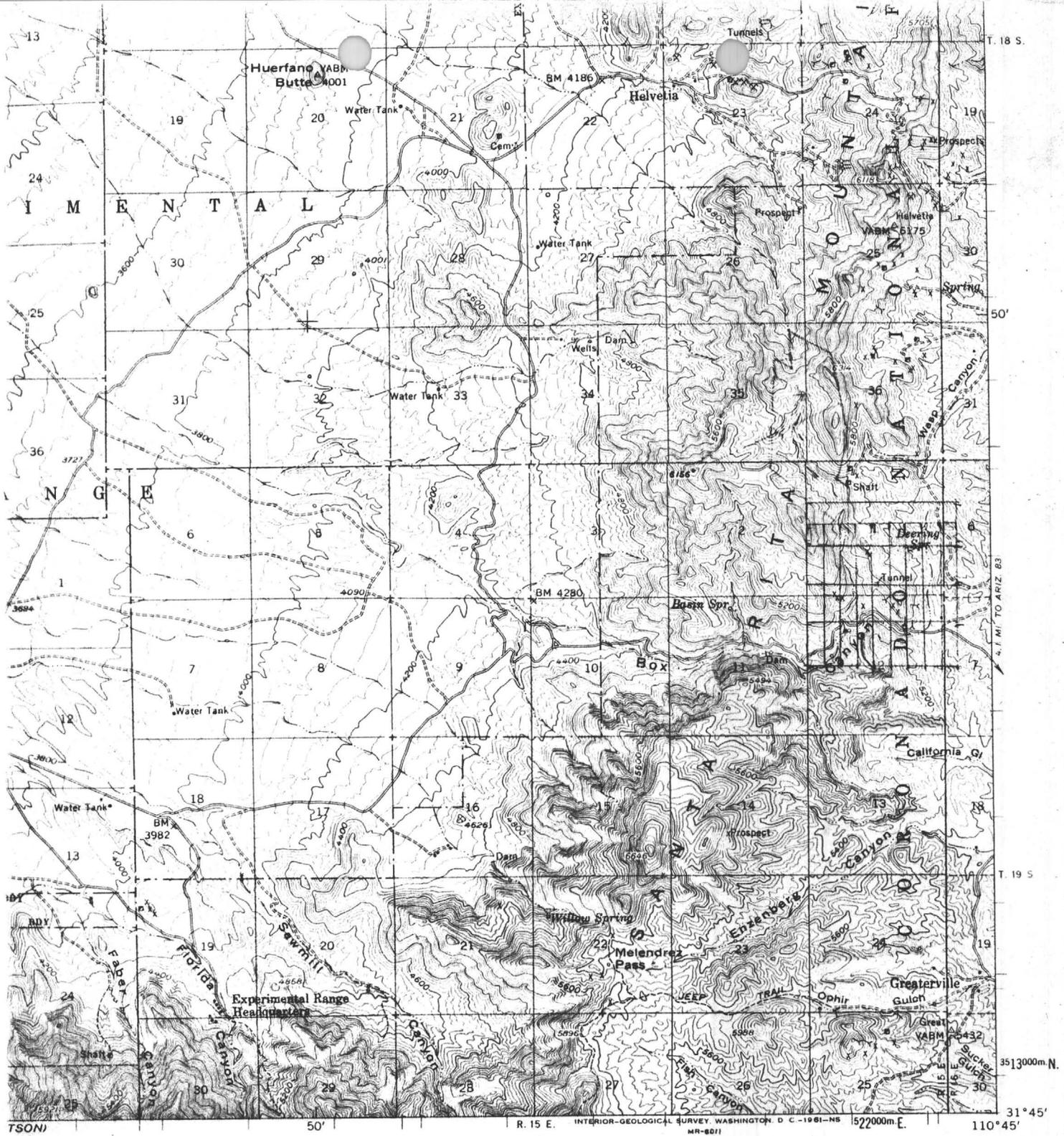
TABLE 1.—Rocks of the Santa Rita Mountains, Arizona,
[Broken lines indicate that the adjacent formations are contemporaneous or that their relations are uncertain]

Age		Groups, formations, and members		Description	Estimated thickness (ft)	
Quaternary	Holocene		Youngest gravel and low-level terrace deposits		Gravel and intercalated sand; infantile gray soil on low-level terrace gravel.	0-300 ±
	Pleistocene	Late Pleistocene	Intermediate-level pediment and terrace deposit		Gravel and sand; capped by weakly developed red soil.	0-400 ±
		Middle Pleistocene	High-level pediment deposits		Gravel and sand; capped by well-developed red soil.	0-50 ±
	Pleistocene and Pliocene		Basin-fill gravel		Gravel, sand, and silt, commonly pinkish-gray and slightly indurated; locally includes tuffaceous beds.	0-2,000 ±
	Pliocene and Miocene(?)		Gravel of Nogales		Gravel, sand, and silt; rich in volcanic clasts; commonly pale red, poorly sorted, and slightly indurated.	0-1,000 ±
Tertiary	Late(?) Oligocene	Rhyolite intrusives of the northern Santa Rita Mountains		Rhyolite porphyry of a plug and of the Gardner Canyon and Box Canyon dike swarms.		
		Igneous complex of the southern Santa Rita Mountains	Dikes and stock of the San Cayetano Mountains		Rhyodacite porphyry dike swarm and medium-coarse-grained light-gray granodiorite.	
			Dikes and laccoliths in the Grosvenor Hills area		Rhyodacite vitrophyre, medium-gray to light-gray.	
			Grosvenor Hills Volcanics	Rhyodacite member		Rhyodacite lava flows, agglomerate, tuff, and welded tuff.
	Rhyolite member			Rhyolite tuff; a little welded tuff and lava.	500+	
	Gravel and silt member			Gravel and silt; a little limestone and shale.	0-200	
	Oligocene to Paleocene	Quartz vein swarm		Mineralized quartz veins of the southern Santa Rita Mountains.		
		Rhyolitic volcanics		Rhyolitic tuff and lava of Wasp Canyon.	0-100	
		Olivine andesite plugs		Vesicular and amygdaloidal plugs at Deering Spring.		
		Andesite dikes and sills		Small andesite intrusives; include some dacite and diorite intrusives.		
Paleocene	Greaterville intrusives		Quartz latite porphyry dikes and plugs, light-gray to grayish-orange-pink; contains stubby bipyramidal quartz phenocrysts; associated with mineralization.			
	Helvetia stocks		Granodiorite to quartz monzonite stocks and a quartz diorite stock, medium coarse grained.			
	Cottonwood Canyon dike swarm		Quartz latite porphyry, finely porphyritic to coarsely porphyritic.			
	Gringo Gulch plugs		Hornblende dacite porphyry; partly very coarsely porphyritic; microgranodiorite in core of one plug.			
Paleocene(?)	Volcanics of Red Mountain		Rhyolitic and andesitic pyroclastic rocks, intensely altered.			
	Gringo Gulch Volcanics	Upper member	Rhyolitic to dacitic tuff, sandstone, and a capping andesite lava.	900+		
		Lower member	Rhyolitic and dacitic pyroclastic rocks and some flows; contains intercalated epiclastic rocks.	700+		
Cretaceous	Late Cretaceous	Elephant Head Quartz Monzonite		Stocks of coarse-grained quartz monzonite and an aplitic phase.		
		Madera Canyon Granodiorite		Stock of coarse-grained hornblende granodiorite, and porphyritic and leucocratic phases.		
		Josephine Canyon Diorite		Large stock of fine-grained diorite and quartz diorite and a late quartz monzonite phase.		
	Salero Formation	Upper member		Sedimentary and volcanic rocks.	3,500 ±	
		Arkose member		Arkose and conglomerate; largely facies of welded tuff member.	500 ±	
		Welded tuff member		Rhyodacite welded tuff.	1,200+	
		Exotic block member		Dacitic volcanics containing large exotic blocks.	1,000 ±	
		Lower member		Dacitic volcanics.	400 ±	
	Fort Crittenden Formation	Upper red conglomerate member		Volcanic conglomerate; some sandstone and siltstone.	1,400+	
		Rhyolitic tuff member		Tuff, in part intercalated in upper red conglomerate member.	0-650	
Brown conglomerate member		Arkosic conglomerate; some sandstone and siltstone.	2,000+			
Lower red conglomerate member		Volcanic conglomerate; some sandstone and siltstone.	800-1,200			
Shale member		Fossiliferous gray shale; some sandstone and conglomerate.	4,550+			

TABLE 1.—Rocks of the Santa Rita Mountains, Arizona—Continued

[Broken lines indicate that the adjacent formations are contemporaneous or that their relations are uncertain]

Age	Groups, formations, and members		Description	Estimated thickness (ft)	
Cretaceous	Early Cretaceous	Bisbee Group	Turney Ranch Formation	Sandstone and red siltstone.	1,500+
			Shellenberger Canyon Formation	Siltstone and arkose.	1,600+
			Apache Canyon Formation	Arkose and siltstone; some limestone lenses.	1,500-2,000
			Willow Canyon Formation	Arkose and conglomerate.	2,200+
			Glance Conglomerate	Limestone- and granite-cobble conglomerate.	0-1,500+
	Bath tub Formation	Upper member	Dacitic volcanics and tuffaceous sandstone.	0-1,500	
		Middle member	Rhyolitic to andesitic volcanics.	800-1,500	
		Lower member	Conglomerate and volcanic sandstone.	700±	
	Temporal Formation	Upper member	Conglomerate and rhyolitic volcanics.	600-1,000	
		Middle member	Rhyolitic to latitic volcanics and conglomerate.	100-400	
Lower member		Rhyolitic to dacitic volcanics and fanglomerate.	200-1,300		
Jurassic	Squaw Gulch Granite		Large stock of coarse-grained pink rock ranging in composition from granite to quartz monzonite.		
Early Jurassic and Late Triassic	Canelo Hills Volcanics		Arkosic sandstone and conglomerate, tuff and tuffaceous sandstone, and quartzite.	600+	
Triassic	Piper Gulch Monzonite		Stock of very coarse grained dark-gray rock ranging in composition from monzonite to quartz monzonite.		
	Gardner Canyon Formation	Upper member	Red mudstone, dacitic volcanics, and conglomerate.	1,800+	
		Lower member	Red siltstone and chert-pebble conglomerate.	200	
	Mount Wrightson Formation	Upper member	Eolian sandstone and andesitic to rhyodacitic volcanics.	2,000+	
		Middle member	Rhyolitic to latitic volcanics; some sandstone and conglomerate.	5,000±	
		Lower member	Dacitic to andesitic volcanics and sandstone.	1,500+	
Permian	Early Permian	Rainvalley Formation		Limestone and dolomite; a little sandstone.	0-300
		Concha Limestone		Limestone, thick-bedded, cherty, dark-gray.	400-575
		Scherrer Formation	Upper quartzite member	Quartzite, pale-reddish-gray, fine-grained.	140±
			Middle dolomite member	Dolomite, light- to medium-gray.	120±
			Lower quartzite and basal siltstone members	Quartzite, pale-yellowish-gray, fine-grained; basal reddish-gray siltstone.	460±
		Epitaph Dolomite	Upper member	Limestone, moderately thick bedded, medium-gray, slightly cherty.	380±
			Lower member	Mainly light-brownish-gray marlstone and dolomitic siltstone; locally contains some argillite and gypsum; basal 180 ft contains intercalated dark- to medium-gray medium-thick-bedded dolomite.	620±
		Colina Limestone		Limestone, dark-gray, medium-thick-bedded.	350±
		Earp Formation		Siltstone and shale, reddish-gray; contains some sandstone and chert-pebble conglomerate.	800±
		Pennsylvanian	Early Permian and Late Pennsylvanian	Horquilla Limestone	
Late and Middle Pennsylvanian	Escabrosa Limestone		Limestone, coarse-grained, thick-bedded, cherty, medium-gray, crinoidal.	560±	
Mississippian	Escabrosa Limestone		Limestone, coarse-grained, thick-bedded, cherty, medium-gray, crinoidal.	560±	
Devonian	Martin Formation		Brown dolomite, gray limestone, siltstone; some sandstone.	400±	
Cambrian	Late and Middle Cambrian	Abrigo Formation		Shale, quartzitic sandstone, and thin-bedded limestone.	740-900
	Middle Cambrian	Bolsa Quartzite		Quartzite, coarse-grained, thick-bedded, light- to brownish-gray and purplish-gray; thin basal conglomerate.	460±
Precambrian	Continental Granodiorite		Granodiorite porphyry and quartz monzonite porphyry; contains aplite and fine-grained quartz monzonite intrusives.		
	Pinal Schist		Hornblende gneiss, granite gneiss, and schist.		



ROAD CLASSIFICATION

Heavy-duty	—————	Light-duty	-----
Medium-duty	—————	Unimproved dirt	-----
	U.S. Route		State Route

MAP ACCURACY STANDARDS
25, COLORADO OR WASHINGTON 25, D. C.
SYMBOLS IS AVAILABLE ON REQUEST

SAHUARITA, ARIZ.
N31045—W11045/15

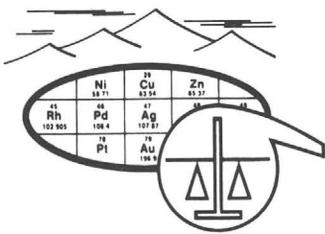
1958

TABLE 2. — Chemical and spectrographic analyses (in parts per million) of alluvium from the Santa Rita Mountains — Continued

Sample	Chemical analyses (ppm)										Semi-quantitative spectrographic analyses (ppm)												
	Cu	Pb	Zn	Ag	B	Ba	Be	Co	Cr	Cu	Ga	La	Ce	Pr	Nd	Sm	Eu	Gd	Hf	Ti	V	Y	Zn
903	150	<25	50	<1	100	1,500	1	15	30	300	15	903	100	1,500	5	15	15	700	10,000	50	20	<200	100
904	<10	<25	25	<1	20	700	1	7	20	50	10	912	70	1,000	<2	15	15	500	3,000	30	20	<200	100
912	<10	<25	25	<1	20	1,000	1	15	30	70	15	916	150	300	300	70	15	300	10,000	150	30	<200	300
926	30	25	100	<0.5	30	1,000	2	10	50	50	30	926	50	1,000	<5	15	150	5,000	2,000	50	30	<200	300
934	30	25	100	<0.5	30	300	1.5	5	10	70	20	954	50	300	<5	5	5	100	2,000	50	30	<200	300
955	110	50	150	2	20	300	2	7	10	200	15	955	100	1,500	<5	10	7	100	3,000	70	50	200	500
963	20	50	100	.7	50	200	1.5	<5	5	50	15	963	50	100	5	5	7	100	2,000	50	30	<200	300
974	30	125	200	.7	30	200	1.5	7	10	70	20	974	70	300	5	5	7	100	2,000	50	50	<200	300
972	30	75	50	.7	20	300	2	5	7	70	30	972	50	150	5	5	7	100	2,000	50	30	<200	300
995	<10	<25	50	<.5	20	1,000	1.5	5	10	30	30	995	100	700	<5	10	15	200	10,000	200	50	<200	300
1008	20	25	50	<.5	20	700	1	5	20	20	20	1008	30	500	<5	10	10	150	5,000	100	20	<200	500
1011	10	25	50	<.5	15	700	1	5	20	20	20	1011	50	500	<5	10	10	100	7,000	150	30	<200	500
1018	10	25	50	<.5	20	700	1	5	15	10	20	1018	50	500	<5	10	10	100	5,000	100	30	<200	500
1019	10	25	50	<.5	30	700	1	5	20	10	20	1019	50	500	<5	10	10	100	5,000	100	30	<200	500
1023	10	25	50	<.5	10	1,000	2	5	5	20	20	1023	50	500	<5	10	10	100	5,000	100	30	<200	500
1027	<10	<25	25	<.5	10	700	1.5	10	20	20	20	1027	100	1,000	<5	10	15	150	10,000	200	50	<200	1,000
1028	10	25	100	<.5	20	700	2	5	5	10	20	1028	50	500	<5	10	10	100	7,000	100	30	<200	300
1037	10	25	50	<.5	20	700	1	5	20	10	20	1037	50	500	<5	10	10	150	5,000	150	30	<200	300
1042	10	25	50	<.5	15	700	1.5	5	5	20	20	1042	50	500	<5	10	10	100	7,000	100	30	<200	500
1055	10	25	50	<.5	15	1,000	1	7	15	30	30	1055	100	700	<5	10	20	200	10,000	150	50	<200	700
1103	40	25	<25	N	10	300	1	7	30	30	30	1103	70	500	N	5	10	150	7,000	150	30	N	300
1164	250	<25	<25	N	<10	500	1	10	30	150	50	1164	50	1,000	30	7	50	100	1,000	150	50	N	>1,000
1165	1,500	40	80	.5	<10	200	1.5	5	20	1,000	50	1165	30	1,500	30	5	10	100	5,000	100	50	200	200
1205	40	<25	<25	N	10	700	1	10	10	20	50	1205	30	100	N	7	<10	100	7,000	70	20	N	500
1206	75	<25	<25	N	10	150	<1	5	30	50	50	1206	30	500	N	10	<5	200	3,000	50	10	N	500
1241	3,000	50	100	3	<10	300	1	10	30	1,500	100	1241	30	1,500	20	5	<100	5,000	100	50	50	500	500
1339	1,500	<25	<25	N	<10	100	1	10	30	50	50	1339	20	300	N	20	10	200	2,000	70	10	N	150
1343	1,500	25	50	.5	<10	300	1	10	30	1,500	50	1343	100	1,500	15	10	150	5,000	150	70	200	200	200
1371	40	<25	<25	N	10	300	1	5	20	50	50	1371	30	500	N	7	<10	150	5,000	100	20	N	500
1372	40	<25	<25	N	10	500	<1	7	20	20	20	1372	30	500	N	7	<10	150	5,000	100	20	N	500
1382	1,500	50	75	2	10	500	1.5	7	30	1,000	100	1382	30	1,000	15	10	150	3,000	50	20	300	200	200
1383	400	150	75	1	<10	700	<1	10	20	700	50	1383	30	1,000	5	10	300	5,000	100	20	200	150	150
1384	800	450	120	1.5	10	500	<1	20	50	1,000	50	1384	30	1,500	50	20	200	5,000	150	50	200	200	200
1385	250	250	100	2	20	500	<1	7	30	200	200	1385	30	1,000	15	15	150	3,000	100	20	300	150	150
1392	150	<25	25	N	<10	300	<1	7	50	100	100	1392	100	500	N	10	5	150	3,000	150	30	N	1,000
1421	40	<25	<25	N	<10	500	1	10	15	30	30	1421	30	700	N	7	<10	300	3,000	70	15	N	150
1423	40	25	<25	N	20	300	1	5	30	30	30	1423	30	700	N	10	10	200	3,000	70	20	N	150
1432	1,500	25	25	.5	<10	200	<1	5	30	1,500	50	1432	30	1,000	15	10	100	3,000	70	20	20	N	150
1433	40	<25	<25	N	<10	300	<1	7	50	20	20	1433	30	500	N	10	7	100	2,000	70	20	N	150
1344	25	35	<25	<.05	10	1,000	1	7	10	70	70	1344	50	700	10	5	150	5,000	100	100	50	N	200
1345	30	25	<25	<.05	10	1,000	1	N	<5	50	50	1345	20	300	N	5	150	1,500	5,000	200	20	N	200
1347	25	25	<25	<.05	10	1,000	1	10	30	20	20	1347	50	700	N	15	20	300	5,000	150	30	N	200
1348	25	25	<25	<.05	15	1,000	1	5	20	20	20	1348	30	500	N	15	20	300	5,000	100	15	N	200
1349	35	35	<25	<.05	20	1,000	1	5	20	30	30	1349	30	500	<5	10	200	3,000	100	100	20	N	200
1356	60	50	80	N	10	700	<1	10	70	30	30	1356	20	700	N	30	70	300	7,000	200	20	N	300
1367	55	35	50	.5	10	700	<1	10	100	30	30	1367	20	700	N	30	50	300	7,000	200	20	N	150
1368	120	30	75	<.05	10	700	<1	20	150	100	100	1368	20	700	N	30	50	300	7,000	500	20	N	150
1369	330	40	85	<.05	20	700	<1	10	20	200	200	1369	30	700	N	20	50	300	5,000	500	20	N	150
1390	80	200	450	.7	30	700	1.5	5	10	50	50	1390	20	1,000	N	15	200	3,000	3,000	70	20	300	150
1391	40	40	200	N	15	1,000	1	10	20	15	15	1391	20	700	N	30	50	200	5,000	100	20	<200	150
1392	70	140	210	N	10	700	<1	50	500	100	100	1392	20	3,000	N	30	150	>10,000	1,000	70	70	>1,000	>1,000
1393	70	55	130	<.05	20	500	1.5	5	10	50	50	1393	20	1,000	N	15	200	3,000	3,000	70	20	<200	150
1394	100	85	180	<.05	30	1,000	1.5	10	15	100	100	1394	30	1,000	N	20	300	5,000	5,000	100	20	200	200
1395	60	90	180	<.05	15	700	1.5	5	30	50	50	1395	30	700	N	20	150	3,000	5,000	100	20	200	200
1396	120	320	360	<.05	30	700	1	5	10	70	70	1396	20	700	N	5	100	3,000	3,000	70	20	300	150
1397	150	510	530	5	20	1,500	1	10	50	100	100	1397	30	1,000	N	30	700	5,000	5,000	200	20	500	150
1398	110	140	280	<.05	20	700	1.5	10	20	100	100	1398	20	700	N	30	300	5,000	5,000	70	20	300	150
1399	110	140	180	.5	30	1,500	<1	10	30	100	100	1399	30	700	N	7	15	500	5,000	100	20	N	150
1600	900	670	650	<.05	20	700	1	5	15	70	70	1600	20	500	N	15	200	300	5,000	70	15	N	150
1601	80	130	190	N	20	1,000	1	10	50	20	20	1601	20	1,000	N	15	150	150	5,000	300	20	200	200

TABLE 2. — Chemical and spectrographic analyses (in parts per million) of alluvium from the Santa Rita Mountains — Continued

Sample	Chemical analyses (ppm)										Semi-quantitative spectrographic analyses (ppm)												
	Cu	Pb	Zn	Ag	B	Ba	Be	Co	Cr	Cu	Ga	La	Ce	Pr	Nd	Sm	Eu	Gd	Hf	Ti	V	Y	Zn
903	150	<25	50	<1	100	1,500	1	15	30	300	15	903	100	1,500	5	15	15	700	10,000	50	20	<200	100
904	<10	<25	25	<1	20	700	1	7															



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

REPORT OF ANALYSIS

PRELIMINARY
 JOB NO. UCW 006
 September 29, 1982
 Page 1 of 3

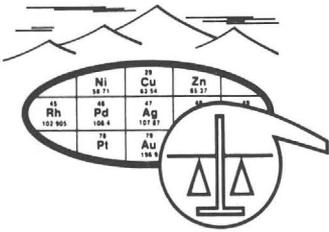


HEINRICH GEOEXPLORATION CO.
 Attn.: Mr. Mark E. Anders
 P.O. Box 5964
 Tucson, Arizona 85703

SEP 29 1982
 BOX 5964 TUCSON, ARIZONA 85703
 Phone: (AREA 602) 623-0578

Analysis of 19 Stream Sediments and 17 Rock Chip Samples

ITEM	SAMPLE NO.	Au ppm	Ag ppm	Cu %	Pb %	Zn %
1	5288 S	<.02	N/R	N/R	N/R	N/R
2	5289 S	<.02	N/R	N/R	N/R	N/R
3	5290 S	<.02	N/R	N/R	N/R	N/R
4	5291 S	<.02	N/R	N/R	N/R	N/R
5	5292 S	<.02	N/R	N/R	N/R	N/R
6	5293 S	<.02	N/R	N/R	N/R	N/R
7	5294 S-	.09	N/R	N/R	N/R	N/R
8	5295 S	<.02	N/R	N/R	N/R	N/R
9	5296 S-	.19	N/R	N/R	N/R	N/R
10	5299 S	<.02	N/R	N/R	N/R	N/R
11	5300 S	<.02	N/R	N/R	N/R	N/R
12	5301 S	<.02	N/R	N/R	N/R	N/R
13	5302 S	<.02	N/R	N/R	N/R	N/R
14	5303 S	<.02	N/R	N/R	N/R	N/R
15	5304 S	<.02	N/R	N/R	N/R	N/R
16	5305 S	<.02	N/R	N/R	N/R	N/R
17	5306 S	<.02	N/R	N/R	N/R	N/R
18	5308 S	<.02	N/R	N/R	N/R	N/R
19	5315 S	<.02	N/R	N/R	N/R	N/R
20	5280 G.G. Vw -	.05	2.0	.01	.47	.33
21	5281 G.G. dump	>10.00*	55.0	.20	1.96	.28
22	5283 G.F. dump	2.60	11.0	.04	1.83	.17
23	5284 G.F. Vw	.63	4.0	.08	.65	.08
24	5285 G.F. dump	6.90	12.0	.01	.59	.11
25	5286 S.C. Vw	.12	.2	<.01	.04	.02



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 Tucson, Arizona 85703
 (602) 622-4836



SEP 29 1982

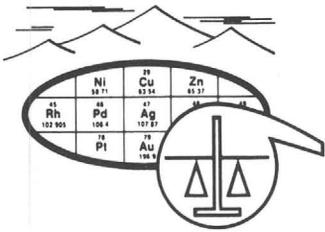
BOX 5984 TUCSON, ARIZONA 85709

Phone: (AREA 602) 623-0578

JOB NO. UCW 006
 September 29, 1982
 PAGE 2

3428 ppm = 1.02% TON

ITEM	SAMPLE NO.	Au ppm	Ag ppm	Cu %	Pb %	Zn %
26	5287 ADIRCO	4.90	8.6	.14	1.08	1.80
27	5297 Lexington	3.20	2.2	.01	.20	.07
28	5298 Ridge NEAR Lex.	.78	1.0	<.01	.05	.03
29	5313 ADIRCO dump	9.80	95.0	.10	4.20	.87
30	5314 " W	.08	.4	.01	.12	.08
31	5282 saddle	<.02	.2	N/R	N/R	N/R
32	5307 up creek	<.02	<.2	N/R	N/R	N/R
33	5309 M-W contact	<.02	<.2	N/R	N/R	N/R
34	5310 Fault zone	<.02	.2	N/R	N/R	N/R
35	5311 A/DIRCO LS	<.02	<.2	N/R	N/R	N/R
36	5312 " "	<.02	<.2	N/R	N/R	N/R



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 P.O. Box 50106 • 1700 West Grant Road
 Tucson, Arizona 85703
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SEP 29 1982

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BOX 5964 TUCSON, ARIZONA 85703

Phone: (AREA 602) 623-0578

ITEM	SAMPLE NO.	Mo %	Cu ppm	Pb ppm	Zn ppm	Mo ppm
20	5280 G.G. Vn	.003	N/R	N/R	N/R	N/R
21	5281 G.G. dump	.001	N/R	N/R	N/R	N/R
22	5283 G.F. dump	<.001	N/R	N/R	N/R	N/R
23	5284 G.F. Vn	<.001	N/R	N/R	N/R	N/R
24	5285 G.F. dump	<.001	N/R	N/R	N/R	N/R
25	5286 S.C. Vn	<.001	N/R	N/R	N/R	N/R
26	5287 AMERCO dump	<.001	N/R	N/R	N/R	N/R
27	5297 Lexington dump	.001	N/R	N/R	N/R	N/R
28	5298 NEAR Lexington	<.001	N/R	N/R	N/R	N/R
29	5313 AMERCO dump	.001	N/R	N/R	N/R	N/R
30	5314 AMERCO Vn	<.001	N/R	N/R	N/R	N/R
31	5282 SADDLE	N/R	15.	310.	145.	<2.
32	5307 UP CREEK	N/R	15.	20.	40.	<2.
33	5309 MARTIN - WILLOW CREEK	N/R	15.	25.	35.	<2.
34	5310 FAULT UP FROM G.F.	N/R	10.	40.	65.	<2.
35	5311 A/T/RED IN L.S.	N/R	10.	10.	20.	<2.
36	5312 "	N/R	15.	10.	25.	<2.

*NOTE: Greater than normal geochemical range.
 Please advise if fire assay is needed.

NOTE: N/R denotes analysis not requested.

NOTE: Spectrographic analysis pending.

REGISTERED ASSAYER
 CERTIFICATE NO. 9425
 WILLIAM L. LEHMBECK
 State of Arizona
 William L. Lehmbek
 Manager
 1982



HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964, TUCSON, ARIZONA 85703. 806 WEST GRANT ROAD. PHONE: (602) 623-0578

October 8, 1982
GEOEX #1568

REPORT ON SOLANO CLAIMS

This detailed report is filed in compliance with the requirements of Title 30, United States Code, Section 28-1 for the Solano claims, a contiguous group of 36 lode mining claims situated in the Helvetia-Rosemont mining district of Pima County, Arizona and owned by the Solano Mining Co. of Phoenix Arizona.

The work consisted of geologic mapping and geochemical sampling of the property which concluded with a written report and a map. The work was performed to attempt to assign economic priorities to the mineralization and to assist in planning further exploration and/or development. The work was performed January 20, 1982 through September, 3 1982 by Mark E. Anders, a geologist and geophysicist with degrees from the University of Arizona and Northern Arizona University and three years experience in mineral exploration, and by David Swanson a geologic and electrical technician with over 20 years of experience with the mineral industry, under supervision of Walter Heinrichs a graduate professional geological engineer from the Colorado School of Mines, with Arizona State Registered Engineer #2447, American Institute of Geologists certification #688 and over 40 years of experience, all of Heinrichs GEOEXploration Company of 810 West Grant Road, P.O. Box 5964, Tucson Arizona 85703. The cost of the geological and geophysical survey was over \$3,600.00 and was paid for by Solano Mining Co. of Phoenix, Arizona.

The location of the work performed in relation to points of discovery and boundaries of the claims is shown on Exhibit A, as relayed by Mr. William Brooke, which is attached hereto and made a part hereof. The basic findings of the geological and geochemical survey are:

1. The major mineralization is along the Martin Formation and the Willow Canyon Formation contact, with the mineralization mainly in the reddish-brown Willow Canyon Formation. This includes the AMERCO mine and the Golden Gate prospects along with other smaller prospect pits.

2. Taking character samples at the four major mine dumps in

the claim group, (Golden Gate, Goldfish, Lexington, and AMERCO), gives anomalous gold and silver values, the veins from these workings give lower values but still anomalous.

3. Mineralization appears to be controlled by faulting.

4. Two stream sediments samples that are down stream from the Goldfish mine shows minor gold anomalism, apparently coming from the Goldfish, but future samples should be taken to try and confirm or determine the exact source.

5. Future work should include detailed geologic mapping along the Martin & Willow Canyon formations in order to locate other veins similar to those already located.

More exploration is under consideration for the property. All technical results are in the possession of and are considered to be exclusive property of Solano Mining Company, 2107 E. Solano Drive, Phoenix, AZ 85016.

Respectfully submitted,
Heinrichs GEOEXploration Company



Mark E. Anders
Geophysicist-Geologist

STATE OF ARIZONA,

County of _____

I hereby certify that the within instrument was filed and recorded
ss. _____, 19____, at _____ M.

In Docket No. _____, Page _____, at the request of _____

Fee No.:

When recorded mail to:

Witness my hand and official seal.

County Recorder

By _____

Deputy Recorder

Fee: \$

AFFIDAVIT OF PERFORMANCE OF ANNUAL WORK

State of Arizona

County of PIMA

ss

1. MARK E. ANDERS
Name
810 W. Grant Road, (P.O. Box 5964 85703)
Address
TUCSON ARIZONA 85705
City State Zip

being duly sworn according to law deposes and says that ~~they are~~ ^{he is} a citizen of the United States more than eighteen years of age and that all of the facts set forth in this affidavit are true and correct according to the best of ~~their~~ ^{his} knowledge, information and belief.

2. That ~~they are~~ ^{he is} personally acquainted with the mining claims named Solano 10-45 as listed on attached Exhibit A situate in the Helvetia Mining District, Pima County, Arizona, the location of which is recorded in the office of the County Recorder of that County in Book 6604, Page 663-664. Notice of location is posted in Section 1, 12, Township 19S, Range 16E, G&SRB&M.

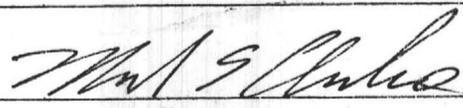
3. That between the dates of January 20, 1982 and September 3, 1982 at least Thirty-six Hundred Dollars (\$3600.00) dollars worth of work and improvements were done and performed upon this claim not including location work.

4. The work and improvements were made by and at the expense of Solano Mining Company 2107 E. Solano Drive, Phoenix, AZ 8 5016, owners of the mine for the purpose of complying with the laws of the United States pertaining to assessments or annual work.

5. MARK E. ANDERS AND DAVID SWANSON OF HEINRICHS GEOEXPLORATION COMPANY P.O. Box 5964, Tucson, AZ 85703 were the names of the persons employed by the owner who labored to do the work and improvements.

6. The work and improvements done were Geologic mapping and geochemical surveying which was done in a manner to benefit the claim group as a whole as set forth in the related detailed report to be filed as required by Statute (30 USCA §28 1 & 2).

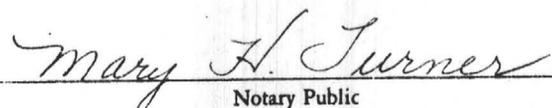
Dated September 22, 1982



Signature

Subscribed to and sworn before me, a Notary Public, this 22nd day of September, 1982, by Mark E. Anders

My Commission expires 11-16-84



Notary Public

EXHIBIT A

<u>NAME OF LODE CLAIM</u>	<u>SECTION #</u>	<u>DATE OF LOCATION</u>	<u>BLM SERIAL No.</u>	<u>DOCKET</u>	<u>PAGE</u>
Solano #12	N & S ² Sec. 1	11/17/80	AMC 116488	6410	1058
Solano #13	N & S ² Sec. 1	11/17/80	AMC 116489	6410	1054
Solano #14	N & S ² Sec. 1	11/12/80	AMC 116490	6405	1014
Solano #15	N & S ² Sec. 1	11/12/80	AMC 116491	6405	1016
Solano #16	N & S ² Sec. 1	11/12/80	AMC 116492	6405	1018
Solano #17	N & S ² Sec. 1	11/12/80	AMC 116493	6405	1020
Solano #18	N & S ² Sec. 1 & 6	11/12/80	AMC 116494	6405	1022
Solano #19	N & S ² Sec. 1 & 6	10/11/80	AMC 112730	6385	1351
Solano #20	N & S ² Sec. 1	10/11/80	AMC 112731	6385	1341
Solano #21	N & S ² Sec. 1	10/11/80	AMC 112732	6385	1343
Solano #22	S ² Sec. 1	12/20/80	AMC 119174	6432	1633
Solano #23	S ² Sec. 1	12/20/80	AMC 119175	6432	1629
Solano #24	S ² Sec. 1	12/20/80	AMC 119176	6432	1631
Solano #25	S ² Sec. 1	12/20/80	AMC 119177	6432	1627
Solano #26	S ² Sec. 1	12/20/80	AMC 119178	6432	1625
Solano #27	S ² Sec. 1	12/20/80	AMC 119179	6432	1623
Solano #28	Sec. 1 & 12	10/17/80	AMC 114860	6399	1145
Solano #29	Sec. 1 & 12	10/17/80	AMC 114861	6399	1147
Solano #30	Sec. 11 & 12	10/17/80	AMC 114862	6399	1149
Solano #31	S ² Sec. 1 & 12	10/17/80	AMC 114863	6399	1151
Solano #32	S ² Sec. 1 & 12	10/17/80	AMC 114864	6399	1153
Solano #33	Sec. 1 & 12	10/30/80	AMC 117651	6424	926
Solano #34	Sec. 1 & 12	10/ 9/80	AMC 112733	6383	1041
Solano #36	Sec. 1, 12, 6 & 7	10/11/80	AMC 112735	6385	1347
Solano #37	Sec. 12 & 7	10/11/80	AMC 112736	6385	1345
Solano #38	Sec. 12	10/11/80	AMC 112737	6385	1349
Solano #39	Sec. 12	10/ 4/80	AMC 112615	6382	921
Solano #40	Sec. 12	10/17/80	AMC 113799	6390	1201
Solano #41	Sec. 12	10/17/80	AMC 113800	6390	1203
Solano #42	Sec. 12	10/17/80	AMC 113801	6390	1205
Solano #43	Sec. 12	10/17/80	AMC 113802	6394	941
Solano #10	N & S ² Sec. 1	11/17/80	AMC 116486	6410	1056
Solano #11	N & S ² Sec. 1	11/17/80	AMC 116487	6410	1060
Solano #45	Sec. 12	10/23/80	AMC 113804	6394	943
Solano #44	Sec. 1 & 12?	10/23/80	AMC 113803	6394	941
Solano #35	Sec. 1 & 12	10/ 9/80	AMC 112734	6383	1043

SOLANO MINING COMPANY
2107 E. Solano Drive
Phoenix, Arizona 85016

<u>Mining Claim</u>	<u>Docket</u>	<u>Page</u>	<u>Serial Number</u>
Solano # 1	6416	378-379	AMC 116756
Solano # 2	6416	380-381	AMC 116757
Solano # 3	6416	376-377	AMC 116758
Solano # 4	6424	914-915	AMC 117645
Solano # 5	6424	916-917	AMC 117646
Solano # 6	6424	918-919	AMC 117647
Solano # 7	6424	920-921	AMC 117648
Solano # 8	6424	922-923	AMC 117649
Solano # 9	6424	924-925	AMC 117650
Solano # 10	6410	1056-1057	AMC 116486
Solano # 11	6410	1060-1061	AMC 116487
Solano # 12	6410	1058-1059	AMC 116488
Solano # 13	6410	1054-1055	AMC 116489
Solano # 14	6405	1014-1015	AMC 116490
Solano # 15	6405	1016-1017	AMC 116491
Solano # 16	6405	1018-1019	AMC 116492
Solano # 17	6405	1020-1021	AMC 116493
Solano # 18	6405	1022-1023	AMC 116494
Solano # 19	6385	1351-1352	AMC 112730
Solano # 20	6385	1341-1342	AMC 112731
Solano # 21	6385	1343-1344	AMC 112732
Solano # 22	6432	1633-1634	AMC 119174
Solano # 23	6432	1629-1630	AMC 119175
Solano # 24	6432	1631-1632	AMC 119176
Solano # 25	6432	1627-1628	AMC 119177
Solano # 26	6432	1625-1626	AMC 119178
Solano # 27	6432	1623-1624	AMC 119179
Solano # 28	6399	1145-1146	AMC 114860
Solano # 29	6399	1147-1148	AMC 114861
Solano # 30	6399	1149-1150	AMC 114862
Solano # 31	6399	1151-1152	AMC 114863
Solano # 32	6399	1153-1154	AMC 114864
Solano # 33	6424	926-927	AMC 117651
Solano # 34	6383	1041-1042	AMC 112733
Solano # 35	6383	1043-1044	AMC 112734
Solano # 36	6385	1347-1348	AMC 112735
Solano # 37	6385	1345-1346	AMC 112736



*Date of
location
Docket*

M. J. O'Neil



12-30-81

Roberta O'Sullivan

EXHIBIT A

SOLANO MINING COMPANY
2107 E. Solano Drive
Phoenix, Arizona 85016

<u>Mining Claim</u>	<u>Docket</u>	<u>Page</u>	<u>Serial Number</u>
Solano # 38	6385	1349-1350	AMC 112737
Solano # 39			AMC 112615
Solano # 40	6390	1201-1202	AMC 113799
Solano # 41	6390	1203-1204	AMC 113800
Solano # 42	6390	1205-1206	AMC 113801
Solano # 43	6394	939-940	AMC 113802
Solano # 44	6394	941-942	AMC 113803
Solano # 45	6394	943-944	AMC 113804



The above mining claims are located in Section 1 & 12, Township 19 South,
Range 15 East G&SRB&M.

Michael D Taylor



12-30-81 *Roberta C Smith*

STATE OF ARIZONA, } I hereby certify that the within instrument was filed and recorded
County of _____ } ss. _____, 19____, at _____ M.
In Docket No. _____, Page _____, at the request of _____

Fee No.:

When recorded mail to:

Witness my hand and official seal.

County Recorder

Fee: \$

By _____

Deputy Recorder

AFFIDAVIT OF PERFORMANCE OF ANNUAL WORK

State of Arizona }
County of PIMA } ss

Mark's name and address here

1. SOLANO MINING COMPANY
Name
2107 E. Solano Drive
Address
Phoenix, Arizona 85016
City State Zip

being duly sworn according to law deposes and says that ~~they are~~ ^{he is} a citizen of the United States more than eighteen years of age and that all of the facts set forth in this affidavit are true and correct according to the best of ~~their~~ ^{his} knowledge, information and belief.

2. That ~~they are~~ ^{he is} personally acquainted with the mining claim named SOLANO 10-45
10-45 ^{AS listed on attached Exhibit A} situate in the Helvetia Mining District,
Pima County, Arizona, the location of which is recorded in the office of
the County Recorder of that County in Book 6604, Page 663-664. Notice of
location is posted in Section 1, 12, Township 19S, Range 16E, G&SRB&M.

Give BLM Serial Nos here

3. That between the dates of January 20, 1982 and September 3, 1982
at least Thirty-five ^{Six} ~~Five~~ Hundred Dollars (~~\$3500.00~~ 3600.00)
dollars worth of work and improvements were done and performed upon this claim not including
location work.

4. The work and improvements were made by and at the expense of SOLANO
MINING COMPANY ^{address}, owners of the mine for the
purpose of complying with the laws of the United States pertaining to assessments or annual work.

5. MARK E. ANDERS AND DAVID SWANSON OF HEINRICHS GEOEXPLORATION COMPANY
P.O. Box 5964 Tucson, AZ 85703
were the names of the persons employed by the owner who labored to do the work and improvements.

6. The work and improvements done were Geologic mapping and geochemical surveying
which was done in a manner to benefit the claim group as a whole as set forth
in the related detailed report filed as required by Statute (30 USCA §28-1 & 2)
^{to be}

Dated September 13, 1982 Mark E. Anders
Signature

Subscribed to and sworn before me, a Notary Public, this 13th day of September,
1982, by Mark E. Anders

My Commission expires 11-16-84 Mary H. Turner
Notary Public

EXHIBIT A

<u>NAME OF LODE CLAIM</u>	<u>SECTION #</u>	<u>DATE OF LOCATION</u>	<u>DOCKET</u>	<u>PAGE</u>
Solano #12	N & S ² Sec. 1	11/17/80	6410	1058
Solano #13	N & S ² Sec. 1	11/17/80	6410	1054
Solano #14	N & S ² Sec. 1	11/12/80	6405	1014
Solano #15	N & S ² Sec. 1	11/12/80	6405	1016
Solano #16	N & S ² Sec. 1	11/12/80	6405	1018
Solano #17	N & S ² Sec. 1	11/12/80	6405	1020
Solano #18	N & S ² Sec. 1 & 6	11/12/80	6405	1022
Solano #19	N & S ² Sec. 1 & 6	10/11/80	6385	1351
Solano #20	N & S ² Sec. 1	10/11/80	6385	1341
Solano #21	N & S ² Sec. 1	10/11/80	6385	1343
Solano #22	S ² Sec. 1	12/20/80	6432	1633
Solano #23	S ² Sec. 1	12/20/80	6432	1629
Solano #24	S ² Sec. 1	12/20/80	6432	1631
Solano #25	S ² Sec. 1	12/20/80	6432	1627
Solano #26	S ² Sec. 1	12/20/80	6432	1625
Solano #27	S ² Sec. 1	12/20/80	6432	1623
Solano #28	Sec. 1 & 12	10/17/80	6399	1145
Solano #29	Sec. 1 & 12	10/17/80	6399	1147
Solano #30	Sec. 11 & 12	10/17/80	6399	1149
Solano #31	S ² Sec. 1 & 12	10/17/80	6399	1151
Solano #32	S ² Sec. 1 & 12	10/17/80	6399	1153
Solano #33	Sec. 1 & 12	10/30/80	6424	926
Solano #34	Sec. 1 & 12	10/ 9/80	6383	1041
Solano #36	Sec. 1, 12, 6 & 7	10/11/80	6385	1347
Solano #37	Sec. 12 & 7	10/11/80	6385	1345
Solano #38	Sec. 12	10/11/80	6385	1349
Solano #39	Sec. 12	10/ 4/80	6382	921
Solano #40	Sec. 12	10/17/80	6390	1201
Solano #41	Sec. 12	10/17/80	6390	1203
Solano #42	Sec. 12	10/17/80	6390	1205
Solano #43	Sec. 12	10/17/80	6394	941
Solano #10	N & S ² Sec. 1	11/17/80	6410	1056
Solano #11	N & S ² Sec. 1	11/17/80	6410	1060
Solano #45	Sec. 12	10/23/80	6394	943
Solano #44	Sec. 1 & 12?	10/23/80	6394	941
Solano #35	Sec. 1 & 12	10/ 9/80	6383	1043



6604

Page 663-664

AUG 28 '81 - 12:05 PM

Witness my hand and Official Seal.

RICHARD J. KENNEDY
County Recorder

Request of: Malcolm D. Taylor

Indexed	Paged	Blotted

By: Deputy *Malcolm D. Taylor* Fee: 3.00

FORM 4-13 TO: 2107 E. Solano Dr. Phoenix, Ariz. 85016

2139 East Solano Drive
Phoenix, Arizona 85016
August 27, 1981

Bureau of Land Management
2300 Valley National Bank Center
Phoenix, Arizona 85073

Attention: Land and Minerals Dept.

Re: Lode Claims Solano #1 through Solano #45,
inclusive

Gentlemen:

Please be advised that the owners of the above lode claims which were filed on September 11, 1980, intend to hold all of the claims and intend to do all of the required assessment work for the September 1, 1981, to August 31, 1982 period.

A copy of the description, location and recording data of said claims which are situated in Township 19 South, Range 16 East, G&SRB&M, Pima County, Arizona, is attached as Exhibit "A", and made a part hereof.

SOLANO MINING CO.

By *Malcolm D. Taylor*
Malcolm D. Taylor
Partner

MDT:mjm
cc: Pima County Assessor
115 North Church
Tucson, Arizona 85701

EXHIBIT A

<u>NAME OF LODE CLAIM</u>	<u>SECTION #</u>	<u>DATE OF LOCATION</u>	<u>DOCKET</u>	<u>PAGE</u>
Solano #1	N ² Sec. 1 & 6	11/25/80	6416	378
Solano #2	N ² Sec. 1	11/25/80	6416	380
Solano #3	N ² Sec. 1	11/25/80	6416	376
Solano #4	N ² Sec. 1	12/ 8/80	6424	914
Solano #5	N ² Sec. 1	12/ 8/80	6424	916
Solano #6	N ² Sec. 1	12/ 8/80	6424	918
Solano #7	N ² Sec. 1	12/10/80	6424	920
Solano #12	N & S ² Sec. 1	11/17/80	6410	1058
Solano #13	N & S ² Sec. 1	11/17/80	6410	1054
Solano #14	N & S ² Sec. 1	11/12/80	6405	1014
Solano #15	N & S ² Sec. 1	11/12/80	6405	1016
Solano #16	N & S ² Sec. 1	11/12/80	6405	1018
Solano #17	N & S ² Sec. 1	11/12/80	6405	1020
Solano #18	N & S ² Sec. 1 & 6	11/12/80	6405	1022
Solano #19	N & S ² Sec. 1 & 6	10/11/80	6385	1351
Solano #20	N & S ² Sec. 1	10/11/80	6385	1341
Solano #21	N & S ² Sec. 1	10/11/80	6385	1343
Solano #22	S ² Sec. 1	12/20/80	6432	1633
Solano #23	S ² Sec. 1	12/20/80	6432	1629
Solano #24	S ² Sec. 1	12/20/80	6432	1631
Solano #25	S ² Sec. 1	12/20/80	6432	1627
Solano #26	S ² Sec. 1	12/20/80	6432	1625
Solano #27	S ² Sec. 1	12/20/80	6432	1623
Solano #28	Sec. 1 & 12	10/17/80	6399	1145
Solano #29	Sec. 1 & 12	10/17/80	6399	1147
Solano #30	Sec. 11 & 12	10/17/80	6399	1149
Solano #31	S ² Sec. 1 & 12	10/17/80	6399	1151
Solano #32	S ² Sec. 1 & 12	10/17/80	6399	1153
Solano #33	Sec. 1 & 12	10/30/80	6424	926
Solano #34	Sec. 1 & 12	10/ 9/80	6383	1041
Solano #36	Sec. 1, 12, 6 & 7	10/11/80	6385	1347
Solano #37	Sec. 12 & 7	10/11/80	6385	1345
Solano #38	Sec. 12	10/11/80	6385	1349
Solano #39	Sec. 12	10/ 4/80	6382	921
Solano #40	Sec. 12	10/17/80	6390	1201
Solano #41	Sec. 12	10/17/80	6390	1203
Solano #42	Sec. 12	10/17/80	6390	1205
Solano #43	Sec. 12	10/17/80	6394	941
Solano #9	N ² Sec. 1	12/10/80	6424	924
Solano #8	N ² Sec. 1	12/10/80	6424	922
Solano #10	N & S ² Sec. 1	11/17/80	6410	1056
Solano #11	N & S ² Sec. 1	11/17/80	6410	1060
Solano #45	Sec. 12	10/23/80	6394	943
Solano #44	Sec. 1 & 12?	10/23/80	6394	941
Solano #35	Sec. 1 & 12	10/ 9/80	6383	1043

ORDER FOR ANALYTICAL SERVICES

7C W006

Samples Sent to:

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

Promised
 9/24
 Joe Jack
 17 Rx

SB NO. _____
 Date Rec'd 9-8
 Ck'd By _____
 How Rec'd Hand
 # Samples 36
 Weight 7.60
 Missing _____
 Extra _____

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

Address Report To:

MARK E. ANDERS
HEINRICHS GEODEXPLORATION Co
P.O. Box 5264
TUCSON, AZ 85703

Tel. 623 0578

P.O. NO.: _____
 SHIPMENT NO.: _____
 DATE SHIPPED: _____
 SHIPPED VIA: _____
 NO. OF CARTONS: _____
 NO. OF SAMPLES: 36
 (Information above helps us trace lost shipments)

Send Invoice To: SAME

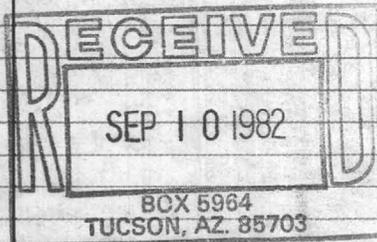
Send Copy of Report To: SAME

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
5288-5296	Stream Sample	Au (0.02), Sieving	Geochem	✓
5299-5306	Stream Sample	Au (0.02); Sieving	Geochem	✓
5308	Stream Sample	Au (0.02), Sieving	Geochem	✓
5315	Stream Sample	Au (0.02), Sieving	Geochem	✓
5280-5281	Rock chip	Au (0.02), Ag	Geochem	
5283-5285	"	Cu, Pb, Zn total	A.A - <i>diap</i>	
5286-5287	"	Mo total	A.A -	
5297-5298	"			
5313-5314	"			
5282	Rock chip	Au (0.02), Ag	Geochem	
5298	"	Cu, Pb, Zn	"	
5307	"	Mo	"	
5309-5312 (4)	"			

-80 mesh

Crushing, Est.

Crushing Est.



CSB Rx

PAYMENT FOR SERVICES REQUESTED MUST ACCOMPANY ORDER UNLESS CREDIT ARRANGED

Signature of person authorizing work: _____ (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		



HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964, TUCSON, ARIZONA 85703, 806 WEST GRANT ROAD, PHONE: (602) 623-0578

August 16, 1982

Salano Mining Company
2107 East Salano Drive
Phoenix, AZ 85016

Re: GEOEX #1568
Mining Claims
Exploration

Dear Mr. Brooks

Regarding our phone conversation of today, August 16, 1982 in which we discussed doing the annual labor on your 35 claims in the Santa Rita mountains. We recommended geologic mapping and geochemical sampling be done in order for you to have a better geologic understanding of your claims.

According to the 1958 modification to the mining law of 1872 scientific work of this sort can be performed on claims up to a total of five years and with only two years allowed in successive before you must perform some sort of physical work, be it trenching, drilling, or road building etc.

Our field rate is \$37.50 per hour for a two man crew, with office work such as report writing being \$25.00 per man hour. Vehicle charges are \$35.00 per day and \$0.40 per mile. Any outside expense occurred will be charged at 115% of original cost. The survey can be planned so that it will just exceed \$3,500 or at least \$100 per claim. This \$3,500 (legally) should be spent on the site. This may or may not include the transportation to the area. The legal aspects are somewhat complicated and obscured in legal jargon and, not even all of the attorney's agree in everycase. We simply mention it to you and leave it up to you on this matter. Based on an estimate of five field days, the transportation costs alone will run about \$375 for the vehicle and \$375 for the travel time, for a total of \$650 all together. If you wish we can also fill out and send in the affidavit of labor. This would be an added expense of about \$125 on our part, up and beyond the survey costs. You might want to use your lawyer insted. For this particular purpose.

3500

As is customary, 50% of this total is needed for us to proceed. The remainder would be billed to you upon completion of work and submittal of report.

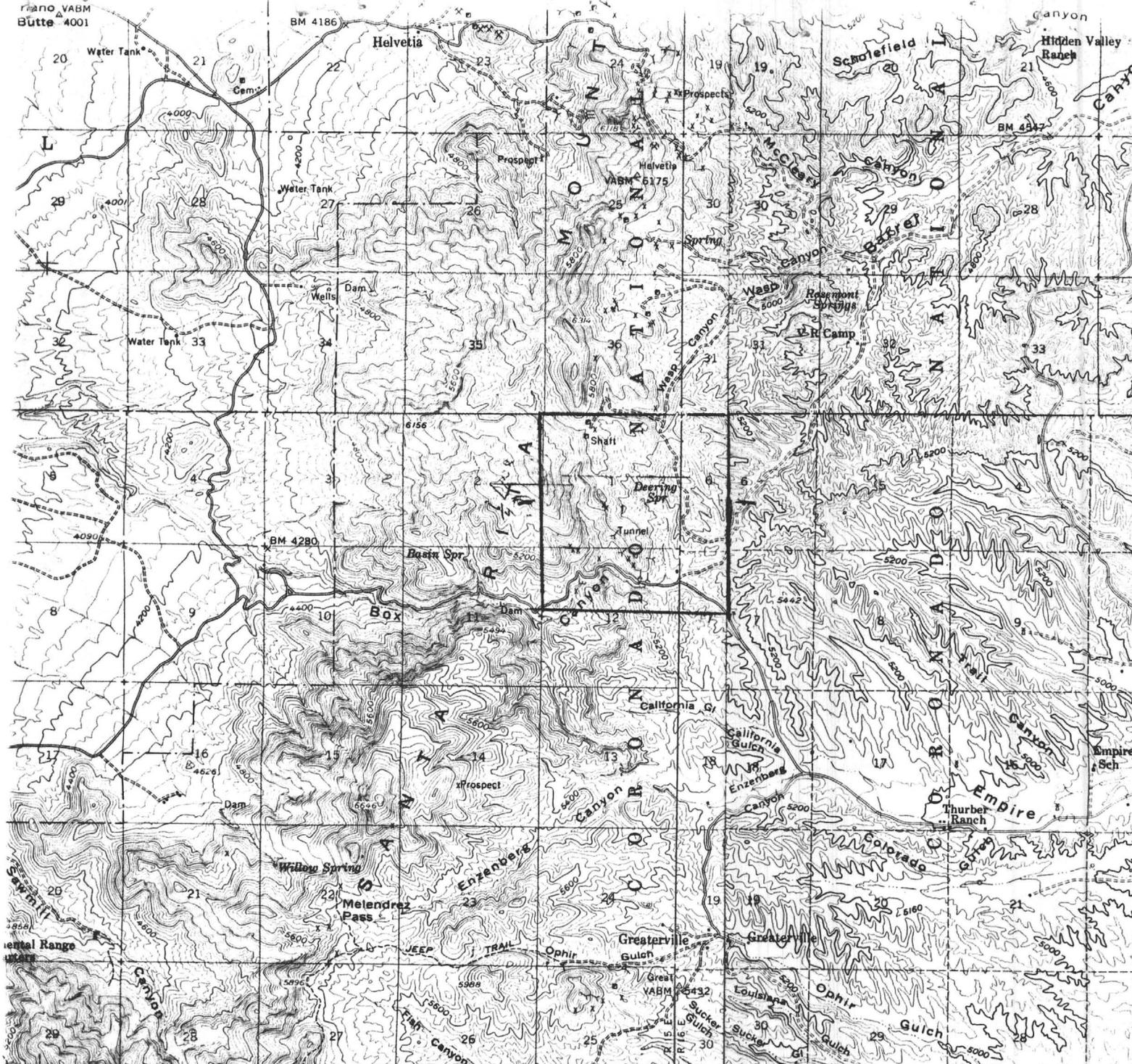
We hope this will be satisfactory and we will be pleased to hear from you on any questions you might have. In the mean while I will proceed in procuring the available literature on the area.

Truly,

Heinrichs GEOEXploration Co.

Mark E. Anders
Geophysicist-Geologist

Triangulation VABM
Butte 4001



50' 516 517 R. 15 E. INTERIOR GEOLOGICAL SURVEY, WASHINGTON, D. C. - 1970 522000m. E. 110° 45' 524 525 1870 000 FEET 527 R. 16 E.

4 MILES

1000 FEET

MS



QUADRANGLE LOCATION

0242

ROAD CLASSIFICATION

- Heavy-duty
- Medium-duty
- Light-duty
- Unimproved dirt
- U. S. Route
- State Route

1546 / 2400

1513

1062 / 1512

SAHUARITA, ARIZ.
N3145—W11045/15

1958

AMS 3847 IV—SERIES V798

Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS and USCE

Topography from aerial photographs by ER-55 plotter
Aerial photographs taken 1955. Field check 1958

Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue

Dashed land lines indicate approximate locations
Unchecked elevations are shown in brown



ADIT RESOURCES CORPORATION

P. O. BOX 5964, TUCSON, ARIZONA, 85703, 810 WEST GRANT ROAD. TELEPHONE: (602) 623-0578

January 20, 1982

Salano Mining Company
2107 East Salano Drive
Phoenix, AZ 85016

Re: GEOEX #1568
Mining Claims Exploration
and Consulting Services
Sections 1 & 12, T.19S.,
R.15E., & vicinity, Pima
County, AZ

Gentlemen:

This will confirm the matters discussed in our office this morning with Mr. Bill T. Brooke, Dr. Malcolm D. Taylor, Mr. Jim DeGroot and Mark Anders and Walter E. Heinrichs, Jr.

You indicated that you desire to engage us for professional advice and assistance regarding economic geologic factors related to the area, the conducting and guiding of work on or in the vicinity of the claims as required for Federal annual labor purposes each year in order to minimize the possible entry of third party interest.

Since the claims are within the Coronado National Forest we will assist you in drawing up the so called "work plan" as required by Forest Service Regulations in order to receive permission to do the annual labor as intended.

Routine office work in Tucson will be charged at \$25.00 per hour per person plus direct job related expenses. Field work rate for Mr. Anders is \$35.00 per hour and \$50.00 per hour for Mr. Heinrichs plus expenses. Crew work will be done according to our standard procedures and charges but only after receiving your permission to proceed. Commonly this will entail an advance to defray our crew mobilization and start up expenses, etc. On short assignments the advance will be 50% of the estimated total charges, with the remainder due upon completion of the assignment. Our published services rate sheet is herewith attached for your further reference.

Cost and availability of suitable useful modern aerial photography is being investigated. Older photos we know are available or may be on hand in our files. Depending on the age of the roads and trails, these may or may not suffice.

Salano Mining Company
January 20, 1982
Page Two

Machine copies of the original recorded claim location notices should be made available to us or, we can procure them from the county recorder.

Geologic, geophysical or geochemical type of annual labor may be worth considering as an alternative to drilling. Because this type of work might be done with less access requirements, it may be easier and quicker to obtain Forest Service permission than for drilling but there are some disadvantages also as partly explained to you this morning.

If this letter correctly reflects our mutual understanding we would appreciate having a copy executed as provided below for our files.

Sincerely,

Heinrichs GEOEXploration Co., Inc.


Walter E. Heinrichs, Jr.
Geological Engineer - Geophysicist
P.E. & C.P.G. #688

For: Salano Mining Company

Accepted: 1-20-82 (Date)

By: Malcolm D. Jaybe

Title: Partner

WEH:mt

SURFACE AND SUBSURFACE GEOLOGICAL ANALYSIS

CONSULTING AND CONTRACTING

BASE RATES FOR SERVICES

JAN 20 1982

RETAINER, OR TURN-KEY JOBS AND RATES BASED ON CONTINUING EFFORT IN EXCESS OF 20 WORK DAYS, OR RATES BASED ON UNITS OF PRODUCTION, OR ON ANY OTHER BASIS ARE NEGOTIABLE, AS ARE EXTRA PERSONNEL, EQUIPMENT & SERVICES.

Per Hour, Plus Expenses:

Master Professional & technical witness \$50.00 - \$100.00 (Min. Job \$150)
Senior Professional - \$27.50 - \$41.25 Senior Technician \$12.00 - \$18.00
Junior Professional - \$13.50 - \$27.88 Junior Technician - \$10.00 - \$15.00
Helpers and general labor - \$10.00

Field crews may include a geologist, geophysicist, or technician as crew chief and technicians or helpers as assistants. Depending on personnel, method, and equipment, typical crews: 2 men-\$350.00/day, 3 men-\$475/day. Sub-leased E.M. equipment, Gravimeters, Deep Geothermal Resistivity or Seismic, may add from \$15.00 to \$500.00 or more per day.

Routine drafting, data computing and compiling, equipment maintenance and repair \$12.50 - \$15.00/hr.

Professionally interpret, report, train, design, test and repair - \$25.00/\$35.00/hr.
Laboratory Physical Property testing of samples, etc. \$19.50/hr.

EXPENSES

Vehicles ~~\$35.00~~ per day per vehicle and ~~\$0.35~~ per mile per vehicle.
Living Expenses - our invoice or voucher cost plus 15%, or per diem rates at \$35.00 per man per day for professionals and crew chiefs and \$30.00 per man per day for assistants and helpers.

Directly incidental job expenses (communications, reproductions, special fees, permits, insurance, taxes, expendable field and drafting supplies, routine subcontracting, assays and analyses, etc.) - at 115% of our invoiced cost. Depending on job circumstances, positioning time between Tucson and job sites in excess of 1/2 day on short term work may be charged at 1/2 the daily rate plus expenses as above. All other mobilization or travel, e.g.: between job locations, or long term work, etc. is at full rates or is negotiable. Inclement weather or client requested standby time may be charged at 1/2 the daily base rate plus expenses as above if not made up or if mutually agreed upon.

A work day is 8 hours - office, or field work. Overtime accumulated for work done in excess of 8 hours per day in the field or office and/or 5 days per week will be charged at 15% of the daily base rate per overtime hour plus expenses as above. Professionals excepted to a degree.

Property permits, line preparation and trespass-liability, and related costs incurred on projects are chargeable as expenses at our cost plus 15%.

ASK ABOUT SYSTEMS RESEARCH, INSTRUMENT SALES AND RENTAL