CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
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Tucson, Arizona 85701
520-770-3500
http://www.azgs.az.gov
inquiries@azgs.az.gov

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James Doyle Sell Mining Collection

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ASARCO

Southwestern Exploration Division

JDS

June 8, 1990

W.L. Kurtz

Alexander/Lewis Claims
Courtland Gleeson District
Cochise County, Arizona

You are correct in re-bringing it to my attention that values of assays should be added into the text as well as in attachments with sample descriptions, in order to clarify the discussion, as you have done on the report sent to you. Saves the reader the time of notation and flipping back and forth through the pages.

I have taken the liberty of excerpting the pages marked and given a copy to J.J. Malusa and J.D. Rasmussen for them to note on future reports of this type.

Further, I have discussed with Malusa the fact that narrow fault/vein/breccia sample values of interest, such as CG-3 (4' chip sample, 0.03 opt gold) and CG-9 (? length chip sample, 0.03 opt gold) are of interest only if they lead into a potential of multi-million tons in an open-pittable situation. Speculation of where such a deposit might lie in relation to the samples should have been stated. This speculation, as the case may be, would have led to the recommendation of additional sampling to outline the possible zone, even though covered by other units or alluvial rubble. As it stands now, after talking with Malusa, there seems to be little possibility of a concealed mineral zone with potential, thus the area in which they sampled is placed on a low priority rating for follow-up.

James D. Sell

JDS:mek
Attachment

cc: J.D. Rasmussen (w/excerpts)
J.J. Malusa (w/excerpts)

ASARCO

Southwestern Exploration Division

June 1, 1990

JDS- History — should include "deep" holes by Cecil Tana
Years ago I said why make me look at sample description and Then turn page

W.L. Kurtz

Alexander/Lewis Claims
Courtland Gleeson Dist.
Cochise County, AZ

I submit J.J. Malusa and J.D. Rasmussen's report on their sampling at the subject area.

oz/t
? .002 CG-7
.012
.008
.008
.006 GG-3

Mr. Jim Alexander brought in a vial of "wheat" size grains of gold and said he had placered them from the quartz latite. The samples CG-3 thru CG-7 failed to confirm any gold-silver values in the quartz latite.

ore?

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As Santa Fe apparently has most of the surrounding area staked or leased, and this quick sampling did not suggest wide-spread precious metal values for bulk-mining potential, any follow-up should be directed at finding such a target under shallow cover.

to see value of Gold. With 'em in by hand is fine with me.

James D. Sell

JDS:mek
Att.

James D. Sell

Not sure you want another 50-100 samples without first determining if a host for bulk deposit is present (not sure how you do. This but don't think just samples will do it.

Sounds low on the list of things to do.

yes, we started to 9Jm.

cc: J.J. Malusa
J.D. Rasmussen

May 30, 1990

J.D. Sell

Alexander/Lewis Claims
Courtland Gleeson Dist.
Cochise County, Arizona

INTRODUCTION

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When observing the Sugarloaf Quartz Latite in the field, we noticed that there were three distinctively different extrusive siliceous rocks that were all mapped as Sugarloaf. The Sugarloaf observed on Sugarloaf Peak fit Bear Creek's lithologic description (i.e., biotite, quartz, and plagioclase in a pink aphanitic matrix). However, the area in which we sampled the sugarloaf looked nothing like the rocks on Sugarloaf Peak. These rocks had a fair amount of alteration products, no biotite, and had a noticeably foliated fabric. The third rock type consisted of clear quartz phenocryst in a pink aphanitic matrix. Perhaps the differences between the Sugarloaf sampled and the Sugarloaf on the peak are due to alteration; however, we feel that there is no way that all three rock types can be genetically related, let alone grouped under the same name.

careful of this would it all 3 same age probably four seven "volcanic"

Structural interpretation of the area is debatable. Bear Creek Exploration interpreted the major structure as being a result of several post mineralization imbricated eastward convergence thrust sheets dipping gently to the west. Graybeal and Sell interpreted the low angle faults as being pre rather than post mineralization. Furthermore, they observed contacts mapped as thrust faults by Bear Creek that showed no shearing, and also observed core intervals that supposedly intersected thrust faults that showed no shearing or evidence for a thrust fault.

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Alteration and Mineralization appear to be controlled by sedimentary Paleozoic bedding planes, and the intrusive Copper Belle Monzonite Porphyry. Also, the Sugarloaf Quartz Latite shows a considerable amount of alteration minerals, such as sericite, MnO, weathered pyrites (limonite), and chalcopyrite.

The majority of observed workings followed the bedding of the Paleozoics. Alteration consisted mainly of large quantities of oxidized sulfides along fracture zones within the Paleozoics. Alteration assemblages usually lacked quartz or silicification.

CONCLUSIONS & RECOMMENDATIONS

The target area had values above the assumed background values, however, not ore grade. Two other areas sampled did have elevated gold values approaching ore grade. Due to these "semi-high" values, it is recommended to return to this area and take 50 to 100 chip samples from the structures that had high gold values in order to help delineate the dimensions of the anomalous areas. Also, a general geologic map of the structures containing the gold should be produced in order to pinpoint areas with potential gold grades in the subsurface. Until this has been completed, we are unable to answer the question of where and in what lithologic unit is there potential for bulk mineable gold.

John J. Malusa

JJM:mek
Atts.

cc: W.L. Kurtz

Attch 1

02
Au

CG-1 .014 Chip channel sample - ≈8' across a fault zone - ≈3' Abrigo - ≈3' gouge - ≈2' bolsa - alt. minerals → limonite - red hematite

CG-2 .03 Chip channel sample - ≈4' long including only gouge - gouge contained malachite and azurite, abund. limonite.

CG-3 .006 Chip sample from prospect pit - sugarloaf quartz latite - MnO, quartz, green matrix? slightly sericitic - sugary texture.

CG-4 .008 Grab sample from bulldozer pile - sugarloaf quartz latite.

CG-5 .008 Chip channel 2.5' across backhole trench Sugarloaf Quartz Latite; lt. gray green matrix sericite along foliations. Some weathered pyrite (limonite).

CG-6 .012 Grab sample around prospect pit. Sugarloaf Quartz Latite as above.

CG-7 .002 Grab Sample from dump about shaft. Sugarloaf Quartz Latite; common pyrite and chalcopyrite and sericite.

CG-8 .022 Chip sample of gouge zone between limestone - hematitic, Mo ?? adjacent to large stope - fault attitude N5°E 47SE.

CG-9 .030 Chip sample of "pebble dike" or hanging wall of large stope at entrance - slightly argillic - lavender purple coloration, red hematite and possible jarosite.

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CG-11 .010 Chip sample ≈1' square of jasperoids both gray and red.

Attch. 2

SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

REPORT OF ANALYSIS

JOB NO. TAJ 638
May 24, 1990
CG-1-11

ASARCO INCORPORATED
Attn.: Mr. J. D. Sell
Southwestern Exploration
P.O. Box 5747
Tucson, AZ 85703

Analysis of 11 Rock Chip Samples

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Squalea

MAY 25 1990

SW Exploration

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

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JOB NO. TAJ 638
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PAGE 2 OF 2

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7	CG-7	1150.	.8	38.
8	CG-8	9800.	1250.0	580.
9	CG-9	350.	155.0	125.
10	CG-10	2450.	22.0	1450.
11	CG-11	285.	65.0	365.

Sugaloaf

cc: Asarco Incorporated
Attn.: Mr. John Malusa
Southwestern Exploration
P.O. Box 5747
Tucson, AZ 85703

MAY 2 5 1990
SW EXPLORATION

5/24/90

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

JDS

ASARCO

Southwestern Exploration Division

June 1, 1990

W.L. Kurtz

Alexander/Lewis Claims
Courtland Gleeson Dist.
Cochise County, AZ

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JJM:mek
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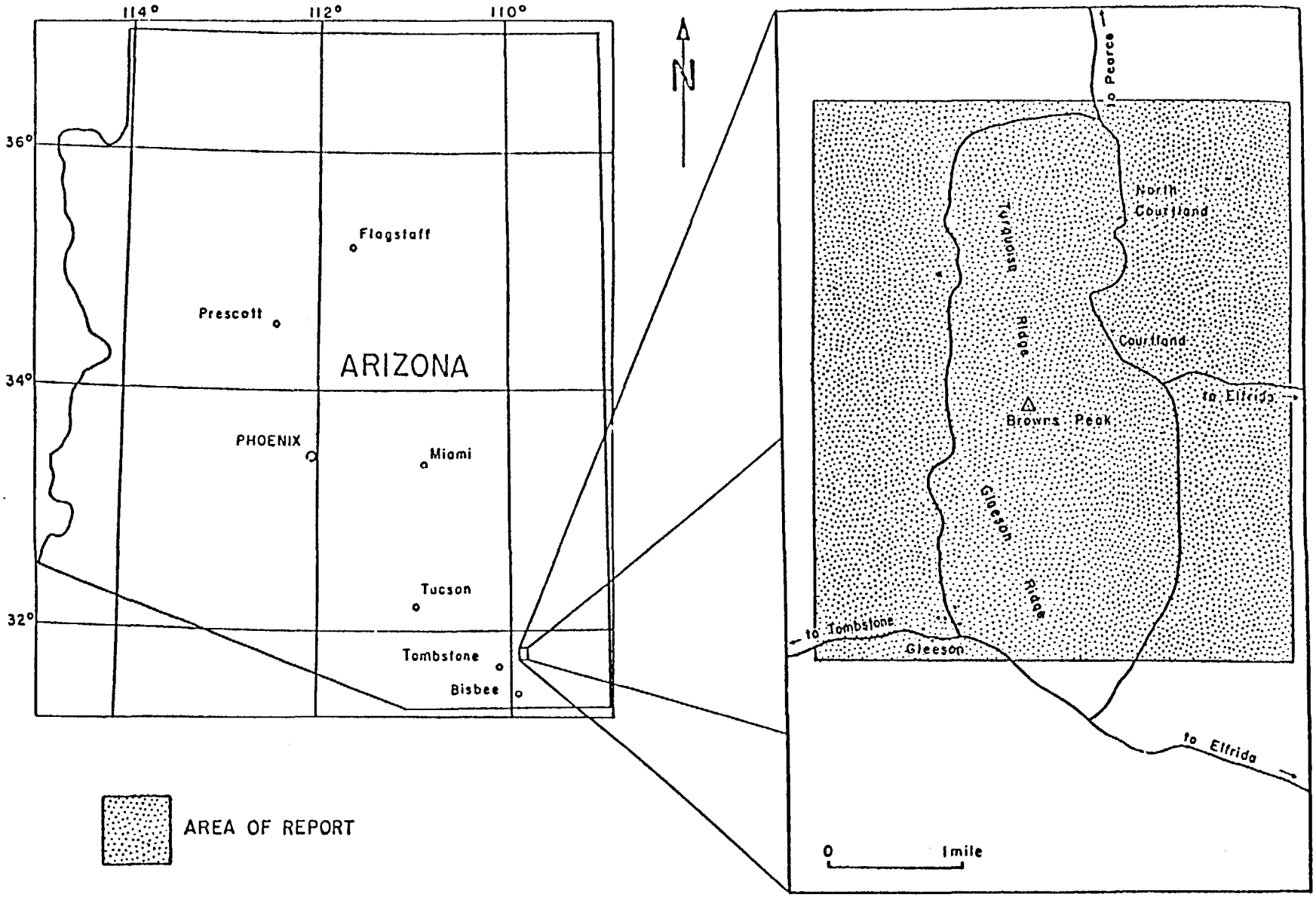
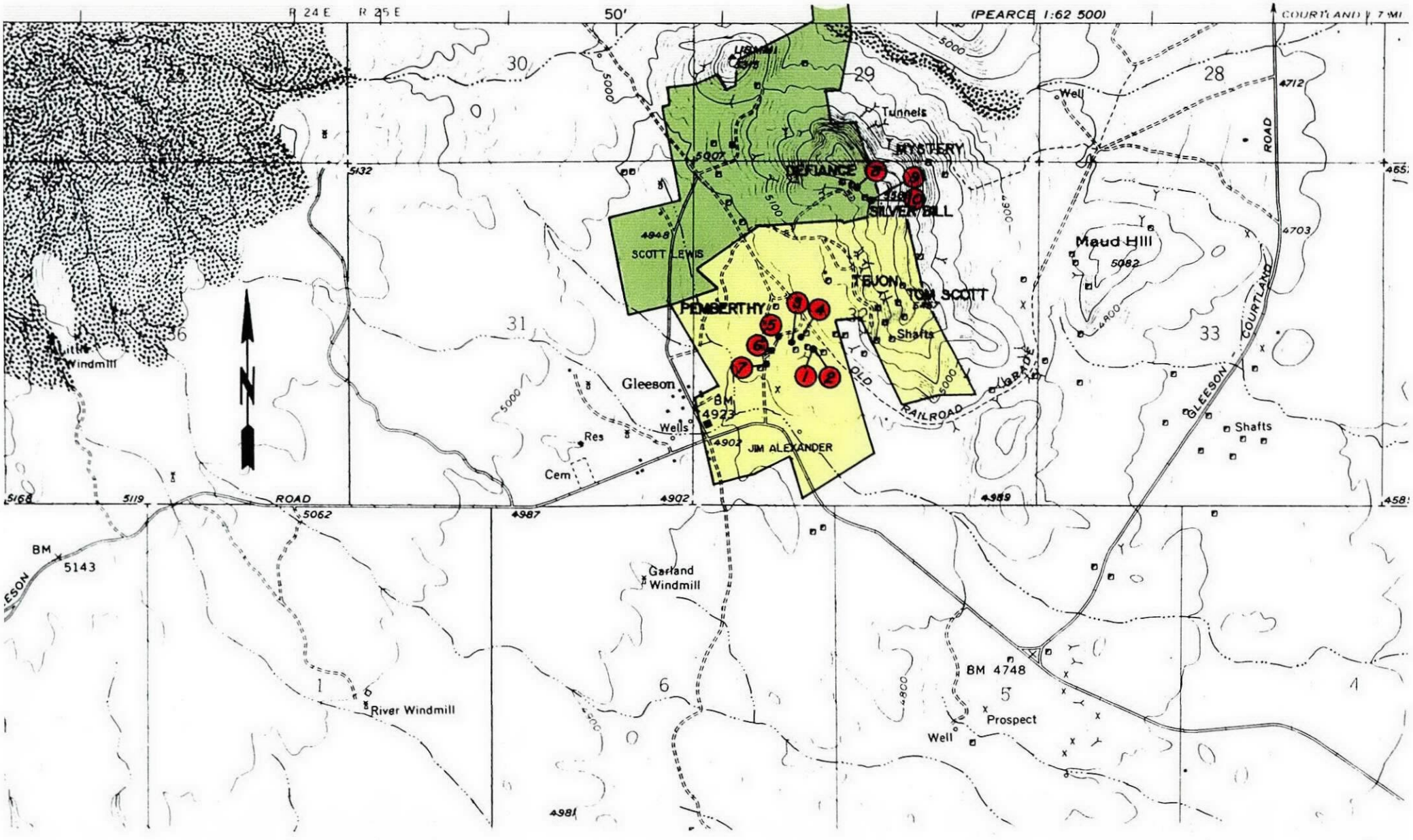


FIGURE 1

Fig. 1 – Location Map, Courtland-Gleeson Area, Cochise County, Arizona.



SCALE 1:24000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

(2) CG SAMPLE SITE

OUTLAW MOUNTAIN, ARIZ.

NE/4 GLEESON 15' QUADRANGLE
N3137.5—W10945/7.5

1958

SAMPLE LOCATIONS ALEXANDER/LEWIS CLAIMS

mn900507 JJM/dam tuc 05-16-90

FIGURE 2

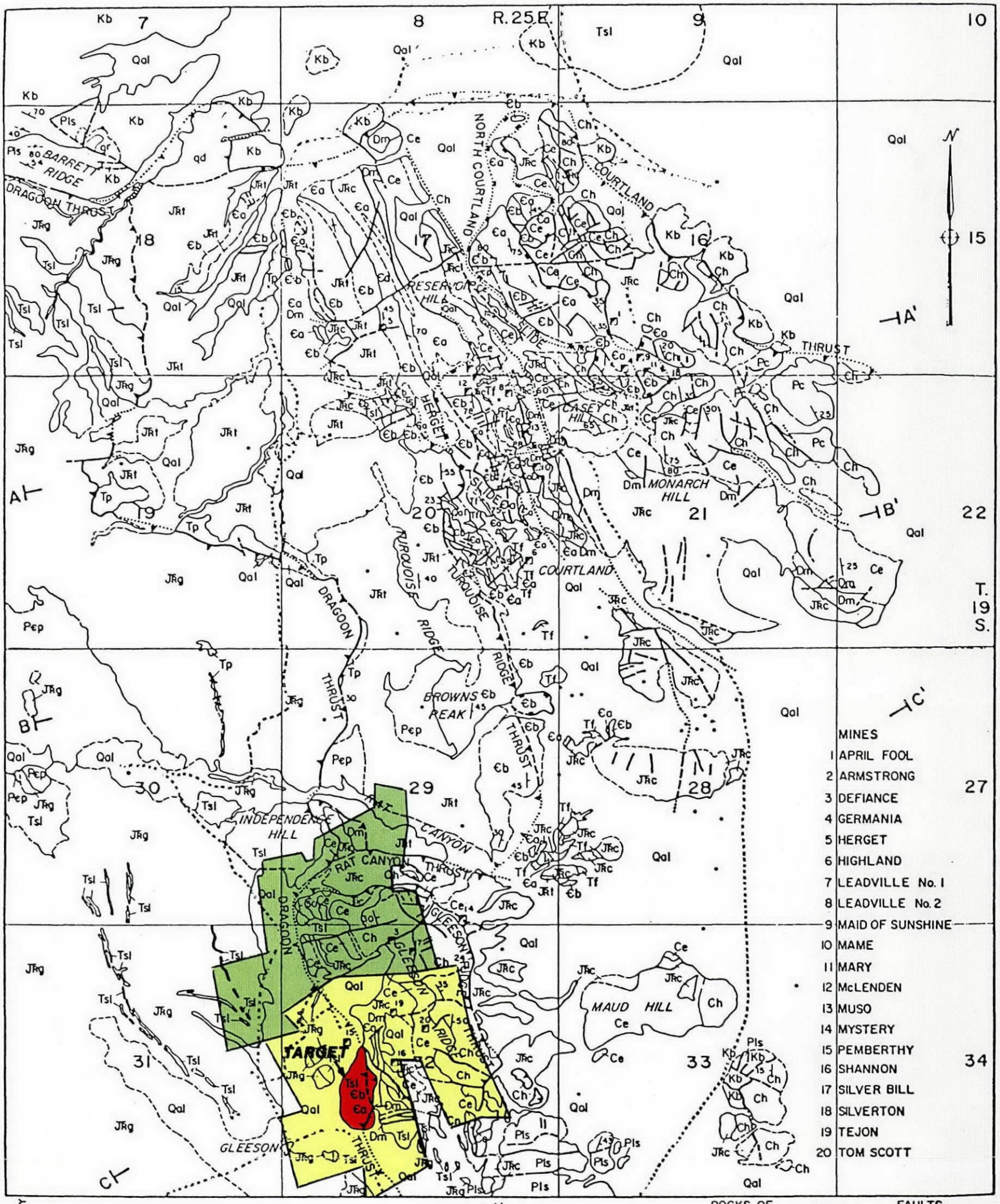


Fig. 2 — Geologic Map, Courtland-Gleeson Area, Cochise County, Arizona. mn900508 JJM/dam luc 05-16-90

FIGURE 3

Attch 1

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REPORT OF ANALYSIS

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CG-1-11

ASARCO INCORPORATED
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Tucson, AZ 85703

Analysis of 11 Rock Chip Samples

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MAY 25 1990
SW Exploration

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(602) 622-4836

JOB NO. TAJ 638
May 24, 1990

ITEM	SAMPLE NO.	Zn (ppm)	As (ppm)	Cu (ppm)
1	CG-1	5900.	7.5	2750.
2	CG-2	940.	26.0	10500.
3	CG-3	425.	.4	20.
4	CG-4	640.	2.0	70.
5	CG-5	95.	2.4	8.
6	CG-6	330.	.6	32.
7	CG-7	1150.	.8	38.
8	CG-8	9800.	1250.0	580.
9	CG-9	350.	155.0	125.
10	CG-10	2450.	22.0	1450.
11	CG-11	285.	65.0	365.

cc: Asarco Incorporated
Attn.: Mr. John Malusa
Southwestern Exploration
P.O. Box 5747
Tucson, AZ 85703

JDS

ASARCO

Exploration Department
Southwestern United States Division
James D. Sell
Manager

June 23, 1992

Mr. Jim Alexander
Star Route Box 67
Cove, Arkansas 71937

Alexander/Lewis Claims
Courtland-Gleesen District
Cochise County, Arizona

Dear Sir:

I'm sorry to have missed you in March when you were in Arizona, but then as now, I'm only in and out of Tucson myself.

I did look at our file and find no note that Rasmussen had sent you the assays from the samples he had taken on the properties.

I attach a copy of the sample locations and values, and as you note, the samples in your Sugarloaf area did not return values of interest (Samples CG-3 thru CG-7). The remaining samples were collected from various structures and are not indicative of the tonnage/grade I am looking for at this time.

Mr. Kurtz said you had acquired some new "old" data. Is any of it of interest from the tonnage/grade open-pit style of operations?

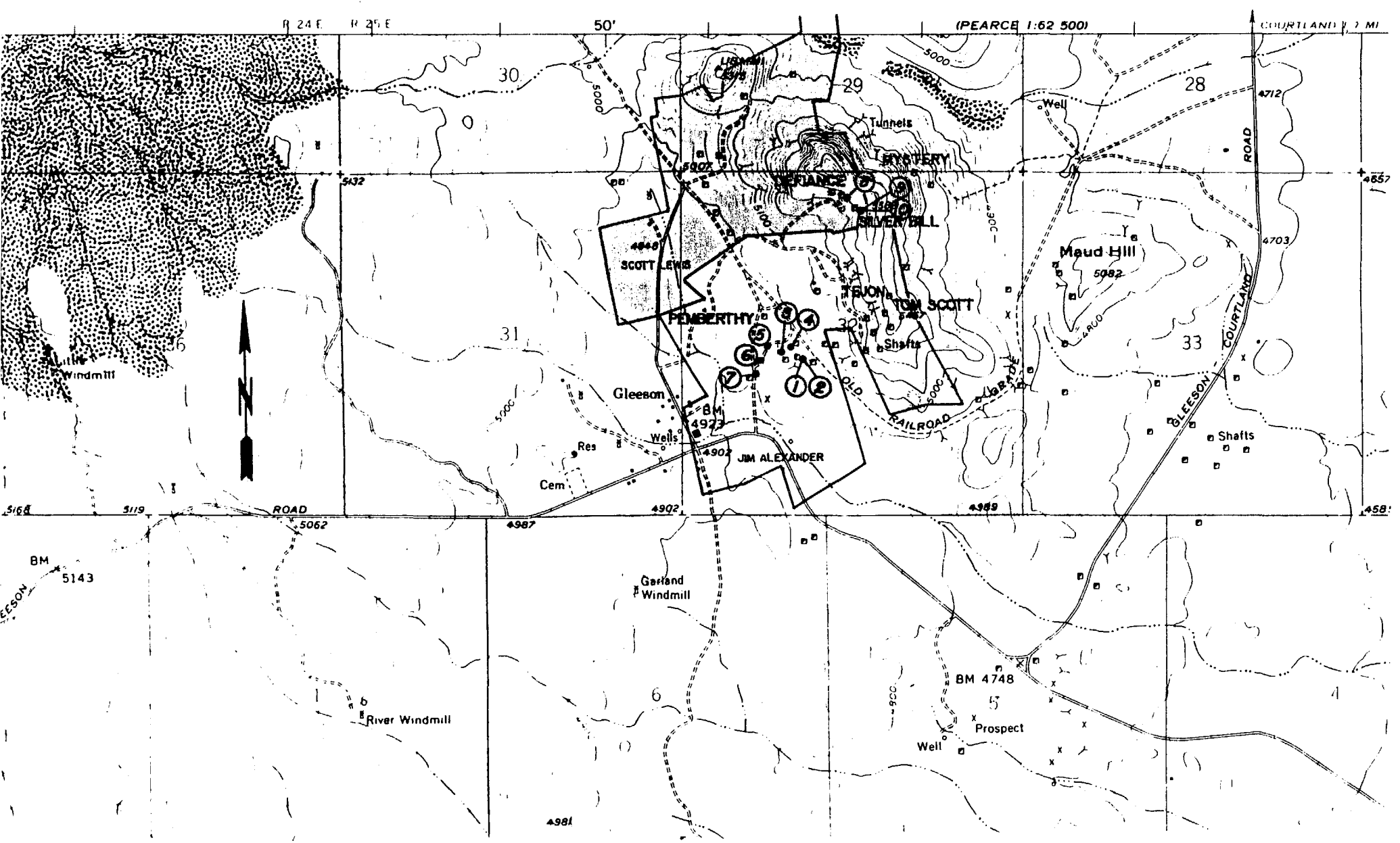
Sincerely,

James D. Sell

JDS:mek
Atts.

cc: W.L. Kurtz (w/o atts.)

ASARCO Incorporated P.O. Box 5747 Tucson, Az 85703-0747
1150 North 7th Avenue FAX (602) 792-3934 Phone (602) 792-3010



SCALE 1 24 000

1 MILE

10000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

② CG SAMPLE SITE

FIGURE 2

OUTLAW MOUNTAIN, ARIZ.

NE/4 GLEESON 15' QUADRANGLE
N3137.5—W10945/7.5

1958

SAMPLE LOCATIONS ALEXANDER/LEWIS CLAIMS

mn900507 JJM/dam luc 05-16-90

Attch 1

CG-1 Chip channel sample - ≈8' across a fault zone - ≈3' Abrigo - ≈3' gouge - ≈2' bolsa - alt. minerals → limonite - red hematite

CG-2 Chip channel sample - ≈4' long including only gouge - gouge contained malachite and azurite, abund. limonite.

CG-3 Chip sample from prospect pit - sugarloaf quartz latite - MnO, quartz, green matrix? slightly sericitic - sugary texture.

CG-4 Grab sample from bulldozer pile - sugarloaf quartz latite.

CG-5 Chip channel 2.5' across backhole trench Sugarloaf Quartz Latite; lt. gray green matrix sericite along foliations. Some weathered pyrite (limonite).

CG-6 Grab sample around prospect pit. Sugarloaf Quartz Latite as above.

CG-7 Grab Sample from dump about shaft. Sugarloaf Quartz Latite; common pyrite and chalcopyrite and sericite.

CG-8 Chip sample of gouge zone between limestone - hematitic, Mo ?? adjacent to large stope - fault attitude N5°E 47SE.

CG-9 Chip sample of "pebble dike" or hanging wall of large stope at entrance - slightly argillic - lavender purple coloration, red hematite and possible jarosite.

CG-10 Grab sample of banded carbonate vein in the footwall of the same large adit as CG-9 --- ≈3" thick banded black - maroon and orange.

CG-11 Chip sample ≈1' square of jasperoids both gray and red.

Attch. 2

SKYLINE LABS, INC.
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REPORT OF ANALYSIS

JOB NO. TAJ 638
May 24, 1990
CG-1-11

ASARCO INCORPORATED
Attn.: Mr. J. D. Sell
Southwestern Exploration
P.O. Box 5747
Tucson, AZ 85703

Analysis of 11 Rock Chip Samples

ITEM	SAMPLE NO.	FIRE ASSAY Au (oz/t)	Ag (oz/t)	Pb (ppm)
1	CG-1	.014	.48	100.
2	CG-2	.030	.44	115.
3	CG-3	.006	<.01	620.
4	CG-4	.008	<.01	910.
5	CG-5	.008	<.01	26.
6	CG-6	.012	<.01	860.
7	CG-7	.002	<.01	860.
8	CG-8	.022	1.01	33500.
9	CG-9	.030	1.02	11000.
10	CG-10	.008	2.20	5350.
11	CG-11	.010	.22	690.

MAY 2 5 1990
SW Exploration

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

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