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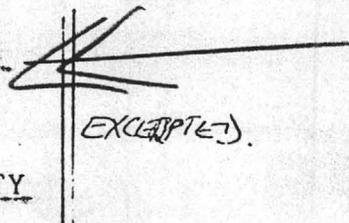
- CONFIDENTIAL - COPY



SAWYER CONSULTANTS INC.

*gold/copper
precious
metals*

REPORT ON MINERAL PROPERTIES
in the
REPUBLIC DISTRICT, WASHINGTON
DIVIDE and GOLDFIELD DISTRICTS, NEVADA
CREEDE and SPAR CITY DISTRICTS, COLORADO
and in the
MINERAL MOUNTAIN DISTRICT, PINAL COUNTY
and
OATMAN-UNION PASS DISTRICTS, MOHAVE COUNTY
ARIZONA



for

SUTTON RESOURCES LTD.

*Have topography
these areas on file*

March 26th, 1981

GEOLOGY

Regional Geology - SILVER BAR PROJECT

The general geology of the northeastern part of Pinal County in which the Silver Bar Project lies is fairly simple. The greater part of the area is underlain by the Pinal schists of Precambrian age which are cut by Cambrian diabase dykes and sills. The Pinal schist is a grey to green quartz mica schist developed over quite large areas of this part of Arizona. Both the Pinal schist and the later diabase intrusives have also been cut by rhyolite dykes and sills of Tertiary age. Mineralization of economic interest in the area is in the form of gold and silver-bearing veins all of which have a structural control.

Local Geology

Geological mapping was carried out on the Silver Bar claims in late 1980 by staff geologists of Houston International Minerals Corporation. This mapping has suggested that on the Silver Bar claims the Pinal schist may be folded into an anticline the axis of which runs along and semi-parallel to the claim line common to claims Silver Bar 9 and 10, and 1 and 2. These workers consider that a domed rhyolite sill which outcrops in the western half of Section 9 is an expression of this anti-formal feature. They note that all significant mineralization, gold, silver, and base metals, recognized to date occurs under this domed rhyolite sill.

Map A-2 is a geological map of the Silver Bar claims area. Map A-3 is a sampling plan of the same area showing the location of samples taken by Houston International Minerals Corporation crews in 1980, and listing the assay values from them.

From the relatively limited amount of field work completed by Houston International Minerals Corporation three structural areas with anomalous gold and silver values have been recognized, the North Zone, the South Zone, and the Main Zone. The most important of these, according to the Houston International Minerals Corporation project geologist is the Main Zone because of its high grade metal values and structural continuity. It involves both the silver-bearing east-west structure and the gold-bearing northwest-southeast grain. The gold vein is described as being about 25 feet wide, composed of brecciated, oxidized copper and iron stained Pinal schist and quartz. It contains abundant visible gold at the outcrop near the common claim corner and has returned sample results ranging from 0.02 oz./ton to 10.95 oz./ton gold, and from 0.35 oz./ton to 30.4 oz./ton silver over a strike length of about 1000 feet. A recent shipment of just over 22 tons of ore from this vein averaged 0.21 oz./ton gold and 0.64 oz./ton silver. The writer took two samples from this Main Zone during the field examination of Feb. 5th, 1981, and these returned values of 0.026 oz./ton gold and 0.18 oz./ton silver across a six foot sampling width, and 0.02 oz./ton gold, 0.35 oz./ton silver across a four foot sampling width. These two samples, numbers 34521 and 34522 respectively, were from a trench and from the southwest wall of the main zone pit. Earlier samples taken

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by J.B. Dixon from approximately the same locations had returned higher values in gold and comparable values in silver. Table 3 which follows summarizes all of the sampling data from samples taken by the writer on this property.

Table 3
Silver Bar Property, Arizona

| <u>Assay Tag No.</u> | <u>Description</u> | <u>Au oz./ton</u> | <u>Ag oz./ton</u> |
|--------------------------|--|-----------------------|-----------------------|
| 34619 | Chip sample across 8 feet which represents 6 feet true width of Ag vein. Sample taken at same place as J. Dixon sample 70 (ME8010) which ran Nil Au; 1.6 oz./ton Ag. Rock is silica vein. | 0.002 | 0.97 |
| 34620 | Chip sample across 6½ feet approximately in face of deep cut on Ag vein; below sample 4962A. This at same place as Dixon sample ME8013 = 0.019 Au, 10.2 Ag. | 0.002 | 4.79 |
| 34521 | Chip sample across 6 feet in trench on Au vein - quartz with good oxides. This at same location as Dixon sample ME8001 (0.23 Au; 0.26 Ag). | 0.026 | 0.18 |
| 34522 | Chip sample across 4 feet approximately in southwest wall of main pit - oxidized, quartz flooded zone. Same location as Dixon sample ME8012 (0.14 Au; 0.35 Ag). Actual face of J. Dixon sample was 3'-4' further out than this sample. | 0.02 | 0.35 |

At the time of our visit to the property the claim owners were carrying out some blasting work on the Main Zone, in accordance with their current agreement which allows them to fulfil a pre-existing smelter contract. The writer was able to observe visible gold mineralization in some of the samples from the main pit at this point even though the results obtained from the two chip samples taken (see Table 3) were relatively low. At this location the silver vein is a six foot wide copper stained siliceous zone in the Pinal Schist.

The North Zone is marked by a northwest-southeast trending string of strongly silicified Pinal Schist outcrops which gives the appearance of connecting two separate large outcrops of rhyolite (see Map A-2). As observed by the writer quartz stringers are developed in the Pinal Schist in this general area and copper staining is frequently seen. Dixon has

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remarked that on the southwest side of this silicified feature the Pinal Schist exhibits abundant red stained quartz vein stockworks with copper and iron oxides, whereas rocks to the northeast side of it appear to be relatively unaltered and undeformed. Reference to Map A-3 indicates some anomalous assays from material on the southwestern side of the structure.

The South Zone is characterized by the east-west silver bearing vein which outcrops in the southeastern corner of Silver Bar Claim 11 (see Map W-2). Here the vein is about $3\frac{1}{2}$ feet thick, and appears to be similar to the silver vein in the Main Zone in composition. Sampling by Houston International Minerals Corporation staff has yielded anomalous gold and silver values from this wide silica flooded South Zone in the range 0.027 to 0.225 oz./ton gold and 1.92 to 12.2 oz./ton silver. The writer took two samples from this main silver vein exposure. Sample number 34619 is a chip sample cut across 8 feet which represents a true width of about 6 feet of the vein in the same location as Houston International Minerals Corporation's sample ME 8070. The assay returned on our sample was 0.027 oz./ton gold and 0.97 oz./ton silver. This compares with values of nil gold and 1.6 oz./ton silver from Houston sample ME 8070. Our sample number 34620 was a chip sample across $6\frac{1}{2}$ feet in the face of the deep cut which has been made on the silver vein at this point and lower on the vein than the previous sample (34619). Our sample returned an assay of 0.002 oz./ton gold and 4.79 oz./ton silver. Houston sample ME 8013 taken at approximately the same place returned values of 0.019 oz./ton gold and 10.2 oz./ton silver (see Map A-3). About 200 feet northwest of the vein outcrop on the South Zone an old prospect pit exposes copper and iron oxide stained material in the Pinal Schist but there is no obvious structural feature associated with this alteration. Houston International Minerals Corporation sample 42 (see Map A-3) is from this location and it returned an assay of 0.16 oz./ton gold, 2.2 oz./ton silver. This represents an interesting anomalous occurrence and is the only sample approaching ore grade obtained on the property outside of the veins and other structurally controlled occurrences. Clearly some further exploration and sampling of this area is warranted.

The age of the mineralization on this property is uncertain, although a Tertiary age is perhaps suggested by the presence of acid intrusives associated with the east-west silver-bearing structures, however this age correlation is by no means certain. Equally the mineralization could be of Precambrian age (e.g. Homestake type environment) or there may be two separate ages of mineralization, one being pre-Tertiary gold and base metal, and the second being Tertiary silver-bearing mineralization relating to east-west tensional structures across the older fold axis. Dixon (1981) has suggested that this latter possibility of two ages of mineralization is perhaps supported by the occurrence of the east-west structure, partially occupied by rhyolite dyke material which occurs in the Main Zone and appears to offset the gold vein. Clearly more careful and detailed mapping and sampling will be required in order to resolve this problem. It may be of interest for us to note here that the style of mineralization in the gold-bearing Main Zone is in many ways similar to the mineralization known to the writer in other parts of Arizona in a fairly similar environment, and may also be similar to some other occurrences more recently described and presently being exploited as large tonnage heap leach type operations by a number of companies.

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DISCUSSION AND RECOMMENDATIONS

SILVER BAR

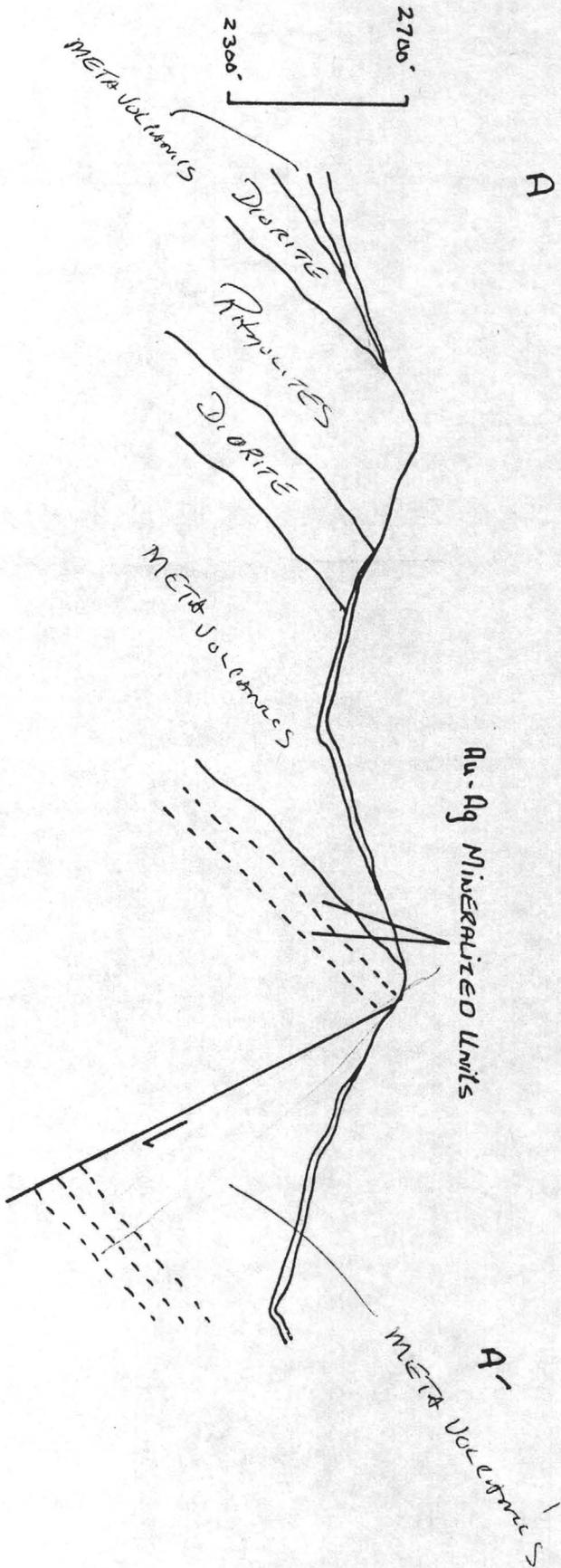
Fairly strong gold and silver mineralization, structurally controlled, occurs on the Silver Bar property. As described in earlier sections of this report there appear to be two separate structural trends each having different characteristics as far as type of mineralization is concerned. However the grade of silver mineralization in one type and of gold with associated silver values in the other are sufficient to warrant more complete investigation. From present work the silver vein type appears to be fairly restricted although having reasonably good strike extent, but there is some evidence of more widespread mineralization which may well enhance the overall picture. With regard to the gold bearing structures these are interesting and carry significant visible gold in places. This type of mineralization is coming to be fairly well recognized in different parts of Arizona and could well have tonnage and grade sufficient to support a mining operation. The land situation at Silver Bar although not critical could be improved by acquisition by Sutton Resources Ltd. of the Saga X claims, and in addition it may well be worthwhile to attempt to negotiate some kind of lease or option on the Sunset property.

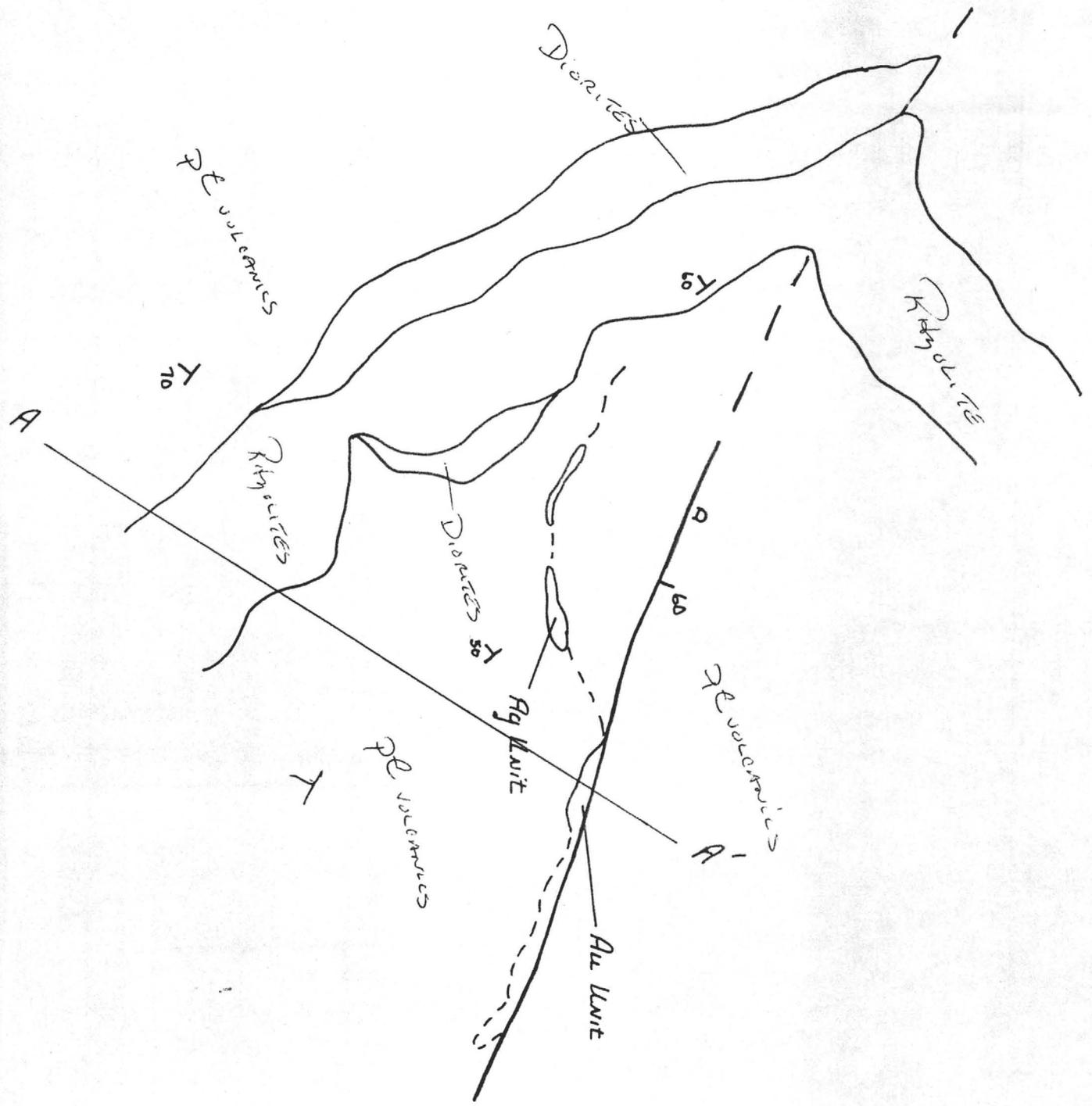
Recommendations

The following work program is recommended for the Silver Bar property.

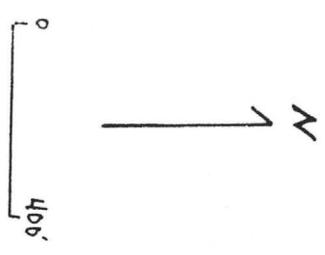
- (1) On the Main Zone detailed mapping particularly in the areas of claims 1, 2, 3, 4, 9, 10, 11, etc.
- (2) In conjunction with the mapping some stripping and trenching will also be required in order more fully to investigate the mineralized zones. It frequently happens that the full extent of such zones are somewhat masked by the normal desert weathering and it is only by cutting below the surface that the extent of them can be fully appreciated.
- (3) Based on the results of the mapping, and trenching and sampling, a limited amount of drilling may perhaps prove to be desirable to test for depth continuity of the surface zone.
- (4) Some further investigation of the anomalous sample which occurs about 200 feet northwest of the South Zone vein outcrop on Silver Bar claim #11 should be carried out. Detailed prospecting and mapping, and sampling of any alteration zones detected in the Pinal Schist should be carried out to attempt to determine whether or not the occurrence represented by sample #42 is unique or perhaps represents part of an as yet undetected mineralized zone.

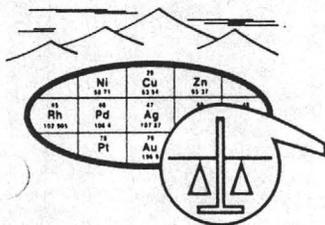
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- Rhyolitic Intrusives, Tertiary?
 - Meta-Diorites
 - Meta-Volcanics
 - Stratovolcanic Trolled Au/Ag Mineralized Units
- Pre Cambrian
Pinal Schist





SKYLINE LABS, INC.

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

JOB NO. UGH 001
 April 22, 1982
 PAGE 3

| ITEM | SAMPLE NO. | Au ppm | Ag ppm | Cu ppm | Pb ppm |
|------|------------|-----------|-----------|-----------|-----------|
| 46 | G198 | 5. | 10. | <1. | N/R |
| 47 | G199 | 95. | <10. | 2. | N/R |
| 48 | G200 | 70. | <10. | <1. | N/R |
| 49 | G201 | 290. | <10. | 5. | N/R |
| 50 | G202 | 215. | <10. | <1. | N/R |
| 51 | G203 | 690. | 50. | 340. | N/R |
| 52 | G204 | 38000. | 20. | 1. | N/R |

Ariz

William L. Lehmbek
 Manager

NOTE: N/R denotes analysis not requested.

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

Gary,

K. Stanaway called on 3/3/82 and he has a submittal property in the Mineral Mountain district of Arizona that he would like us to look at. The submittal is for the Silver Bar property, Mineral Mt. 7.5' Quad, Pinal County, Arizona. This is one of 4 or 5 properties submitted to DEKALB by Crown Resources - Jim Dickson (303) 534-2110.

Geology: Low grade Ag-Au structurally controlled veins within the Pinal Schist. Some reported disseminated values within the schist

Crown Resources wants a guaranteed 2 years work with \$26,000 royalty/year for two years starting 1982. In addition they want \$35,000 worth of work in 82 and \$50,000 in 1983. A return of 50% or more of profits

Kerry needs to know within the month. Give message to Sherry in Denver. Kerry will send details to our office

Dave

Gary

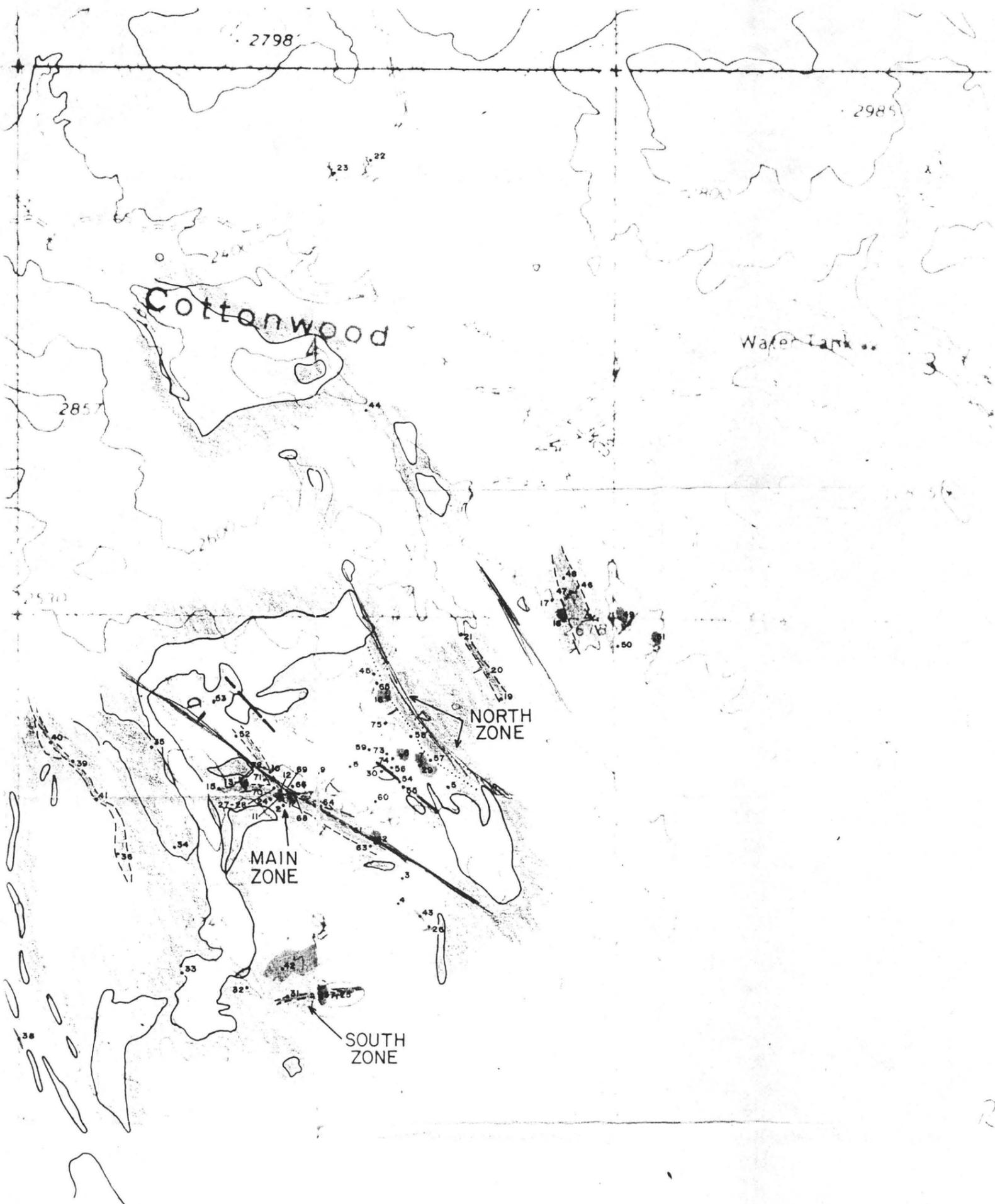
I discussed this submittal with Dave on the phone
on Wed Mar 3.

It was part of a package of submittals sent to us
by Crown Resources last year.

It did not get to see it last year as I was
recalled to Denver before I could get to it.

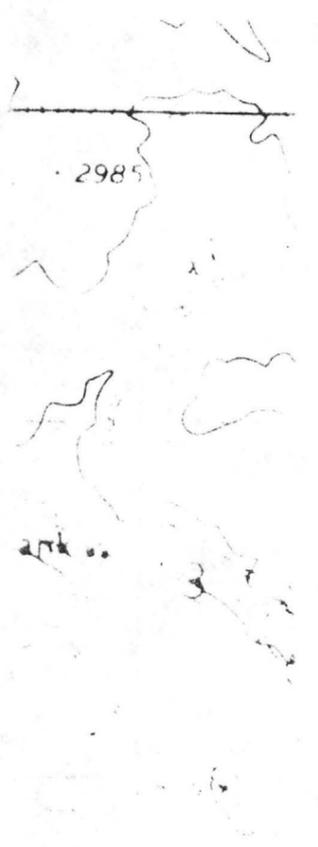
If you will be in the area in the next month
could you let Jim Paxon of Crown Resources know
(303) 534 2110 so that he can show it to you
It's probably not worth a special trip

Henry



T. 3 S.
R. 11 E.

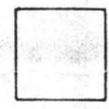
MINERAL Mtn
GUARD



EXPLANATION



quartz - flooded structural zone in Pinal Schist



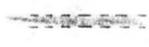
Tertiary Rhyolite dikes & sills



Precambrian diabase dikes



Precambrian Pinal Schist



Veins & vein structures



Fault

T. B. S.
R. H. E.

MINERAL Mtn
guard

NOTE:
AFTER J.B. DIXON HOUSTON INTERNATIONAL MINERALS CORP.
THE ORIGINAL OF THIS MAP WAS PREPARED BY HOUSTON
INTERNATIONAL MINERALS CORPORATION, DENVER,
COLORADO.



| |
|---|
| SUTTON RESOURCES LTD. |
| SILVER BAR PROJECT PINAL COUNTY, ARIZONA |
| SAMPLE LOCATION MAP |

ASSAYS

| SAMPLE | Au | Ag |
|---------|-------|------|
| ME-8001 | .23 | .46 |
| 2 | .002 | T |
| 3 | T | .05 |
| 4 | T | .21 |
| 5 | T | T |
| 6 | T | T |
| 7 | .21 | .08 |
| 8 | .254 | .15 |
| 9 | T | .02 |
| 10 | .078 | 1.02 |
| 11 | 10.95 | 30.4 |
| 12 | .14 | .35 |
| 13 | .019 | 10.2 |
| 14 | T | .44 |
| 15 | T | .52 |
| 16 | .042 | 1.75 |
| 17 | .012 | .02 |
| 18 | .092 | .12 |
| 19 | T | T |
| 20 | T | .02 |
| 21 | .029 | T |
| 22 | T | .1 |
| 23 | T | 1.32 |
| 24 | .049 | 1.32 |
| 25 | .027 | 12.2 |
| 26 | T | .07 |
| 27 | T | .05 |
| 28 | T | .05 |
| 29 | .09 | .41 |
| 30 | T | T |
| 31 | — | .11 |
| 32 | — | — |
| 33 | — | .21 |
| 34 | — | T |
| 35 | .01 | .19 |
| 36 | — | T |
| 37 | .225 | 1.92 |
| 38 | T | .14 |
| 39 | — | .16 |
| 40 | — | 1.08 |
| 41 | — | .49 |
| 42 | .16 | 2.2 |
| 43 | — | .2 |
| 44 | .052 | T |
| 45 | T | T |
| 46 | T | — |
| 47 | .02 | — |
| 48 | .029 | — |
| 49 | .146 | .73 |
| 50 | T | T |
| 51 | .21 | — |
| 52 | T | T |
| 53 | T | .12 |
| 54 | .02 | T |
| 55 | — | — |
| 56 | — | — |
| 57 | — | — |
| 58 | .02 | T |
| 59 | — | — |
| 60 | T | — |
| 61 | — | — |
| 62 | .29 | 1.75 |
| 63 | T | — |
| 64 | T | — |
| 65 | — | — |
| 66 | .01 | T |
| 67 | T | .08 |
| 68 | .02 | .49 |
| 69 | — | .14 |
| 70 | — | 1.6 |
| 71 | .01 | .16 |
| 72 | — | 1.9 |
| 73 | T | .12 |
| 74 | .028 | T |
| 75 | — | — |

