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

The following file is part of the Cambior Exploration USA Inc. records

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

property file: S. Ariz. & Nevada general recon (DFS)

EFCO LABORATORIES
2819 W. Ruthrauf Road
TUCSON, ARIZONA 85703
P. O. Box 5526
Phone (602) 887-4241

what do these anomalies represent ?

Laboratory Analysis Report

DEPCO, Inc.
390 Freeport Blvd. Suite 12
Sparks, Nevada 89431

David Simpson

REPORT NO. 810421
DATE SUBMITTED 1/8/81
DATE REPORTED 1/20/81

Sample Number	PPM Silver	PPM Gold	PPM Arsenic	PPM Antimony
I- 53	<1.0	<0.10	45	73
54	<1.0	<0.10	39	69
55	<1.0	<0.10	3	72
56	<1.0	<0.10	7	54
57	<1.0	<0.10	16	55
58	<1.0	<0.10	11	57
59	<1.0	<0.10	6	61
60	<1.0	<0.10	6	37
61	<1.0	<0.10	1	38
62	<1.0	<0.10	<1	45
63	<1.0	<0.10	5	29
64	<1.0	<0.10	5	53
65	<1.0	<0.10	7	54
66	<1.0	<0.10	2	36
67	<1.0	<0.10	2	54
68	<1.0	<0.10	2	50
69	1.5	<0.10	3	52
- 70	1.4	1.28	9	41
- 71	1.2	4.90	4	38
72	<1.0	<0.10	4	32
73	<1.0	<0.10	<1	42
74	<1.0	<0.10	2	34
75	<1.0	<0.10	4	47
76	<1.0	<0.10	10	34
- 77	1.4	1.49	1	43
78	<1.0	<0.10	3	37
79	1.9	<0.10	5	35
80	<1.0	<0.10	9	37
- 81	20.	1.70	2499	36
82	<1.0	<0.10	18	23

A Division of Arizona Feeds

XXXXXXXXXXXXXXXXXXXXXXXXX
Signed

Sample Number	PPM Silver	PPM Gold	PPM Arsenic	PPM Antimony
I- 83	9.0	1.28	202	42
84	2.5	<0.10	36	36
85	3.1	<0.10	344	28
86	<1.0	<0.10	8	32
87	<1.0	<0.10	3	32
88	<1.0	<0.10	4	31
89	<1.0	<0.10	4	39
90	<1.0	<0.10	5	12
91	<1.0	<0.10	4	28
92	<1.0	<0.10	2	22

Signed

Property file

DEPCO, Inc.

MINERALS DIVISION

MEMO TO: J. B. Imswiler

DATE: January 22, 1981

FROM: D. F. Simpson

SUBJECT: Reconnaissance of Mines in the Lost Basin Range. Garnet Mountain 15' Quadrangle. Mohave County, Arizona.

References:

Arizona Bureau of Mines Bulletin 137.
State of Arizona Bureau of Geology and Mineral Technology Bulletin 168

On January 5, 1981 and on January 6, 1981 I made a brief reconnaissance of mines and prospects in the Lost Basin Range, Mohave County, Arizona. These include the Golden Mile mine, Bluebird mine, Climax mine, and the King Tut placer mine. These small mines explored quartz veins in granitic gneiss. The Lost Basin Range is approximately 50 miles north of Kingman, Arizona and can be reached via highway 93 out of Kingman.

Golden Mile Mine

The geology consists of quartz veins in schists and gneiss. Three shallow shafts and four adits explore a north-trending quartz vein and vein system. The quartz vein was poddy and up to five feet in thickness. There were inclusions of chlorite-schist wall rock in some zones of the quartz vein. Locally, pyrite cubes were observable in both the quartz vein and the wall rock. The vein system can be traced for approximately 1200 feet but mineralization is not apparent along its total length. Unless mineralization of the wall rock is indicated by my sampling, this property probably has little economic value.

SAMPLE #	DESCRIPTION
I 65	Fe-stained white quartz and chloritic schist. 10' chip sample crosses 6' quartz vein and 4' of wall rock with numerous white quartz veinlets.
I 66	10' vertical chip sample across white, poddy quartz vein. Minor sulfide-some cubes to ¼".
I 67	Sample of wall rock at I 66 location. Fe-stained chloritic schist and white quartz vein material. Some minor sulfides. 5' chip sample across outcrop.
I 68	10' vertical chip sample across 6' quartz pod and 4' of chloritic schist wall rock. There are schist inclusions in the white quartz pod.

390 FREEPORT BLVD. • SUITE 12 • SPARKS, NEVADA 89431 • (702) 359-3211

I 69	Sample across series of intersection 6" to 3' quartz veinlets. Wall rock is chloritic schist with minor sulfides.

Bluebird Mine

The geology of the Bluebird mine is similar to that of the Golden Mile mine and consists of quartz veins in granitic gneiss. A tunnel of approximately 200 feet explores a quartz vein which trends N 30° W and dips 61° SW. The vein is up to 5 feet thick and sulfides are visible in the vein material and the gneissic wall rock. Numerous prospects in the hills around the Bluebird also explore small quartz veins and veinlets. Approximately one mile east of the mine a rhyolite dike intrudes the granitic gneiss. Most of the area is covered and could be of interest if my sampling shows any mineralization. The quartz veins of the area probably have little value to DEPCO.

SAMPLE #	DESCRIPTION
I 70 1.28 ppm Au	White quartz vein material and siliceous "schisty" material which contains talc and chlorite. Both have visible pyrite cubes. 5' horizontal chip sample across outcrop.
I 71 4.90 ppm Au	Sample off small ore pile (?) of quartz vein material with major Fe-stains. Some pyrite casts and cubes.
I 72	Sample of gneiss and schist country rock with minor disseminated pyrite. 200' away from mine workings. Random grab sample of float.
I 73	Random grab sample across bulldozer cut. Gneiss, schist, and white quartz vein material. All have minor Fe-stains.
I 74	White quartz vein material and Fe-stained chloritic schist. Also some coarse crystalline granite.
I 75	5' chip sample across outcrop of white, rhyolite dike. Minor sulfides and slight argillic alteration. Contains fragments of granitic country rock.
I 76	Random sample of quartz pod and country rock. White quartz with minor sulfides and Fe-stained schist with white quartz veinlets.
I 77 1.49 ppm Au	White quartz, gossan, and gneissic material with white quartz veinlets. Brown, purple, and Fe-stains. Random grab sample of chips near prospect.
I 78	Random grab sample off dump has mostly Fe-stained white quartz with some gneiss country rock.
I 79	Talcos and chloritic fault zone material with minor Fe-stain and pyrite cubes. 5' horizontal chip sample across adit roof.

Climax Mine

The Climax mine workings explored shear zones and quartz veins in granite gneisses. The major structure trends N 15° E and dips 65° W into the hillside. A major zone of gouge material and white quartz can be traced for approximately 500 feet along strike. There has been minor argillic alteration and pyrite and copper stains are very minor. Unless gold and/or silver values could be proven to increase down dip, the Climax mine doesn't have the size to be a major ore body. There has been recent bulldozer work around the mine and there are two small heap-leaching pads within one mile of the mine.

SAMPLE #	DESCRIPTION
I 90	10' chip sample across fractured zone of white quartz vein material and silicified granite country rock. Pink-red-Fe-stains.
I 91	Sheared and brecciated intrusive and highly altered quartz and country rock. Argillic alteration. Major red stains and minor copper stains.
I 92	Random grab sample of country rock float. Pale green to white medium crystalline, quartz rich, meta-granitic rock. Very minor disseminated pyrite.

King Tut Placer Mine

The King Tut placer mine produced gold valued at $23,510 from 1934 to 1942. The gold deposits were reportedly less that two to three feet thick and were found in arroyo bottoms. The gold nuggets were very ragged and carried attached quartz, indicating a local origin. For this reason I walked up some of the streams above the placer mine looking for a possible source of the gold. Approximately ½ mile above the mine I found a hill of highly fractured and iron stained granitic-gneiss country rock. There were several shallow shafts and prospects on the more intensely altered rock. There was also major copper staining of the rock. Intruding the gneiss were several bodies of white, coarse crystalline granite. Off one of these bodies I got a reading of 300 c.p.s. on my scintillometer. Southward, along the range front, I found more of the iron stained and brecciated granite indicating a structure of considerable length. This structure was traceable for at least ¼ of a mile. At one location there were four recent drill holes and major bulldozer work. The land also has many lode and placer claims on it. If my sampling indicates any gold mineralization, this prospect would be of high interest.

SAMPLE #	DESCRIPTION
I 80	Stream sediment sample.
I 81 1.70 ppm Au	Very dark brown, vuggy, aphanitic, Fe-stained jasperoid. Sample is a select grab of float in wash.
I 82 20 ppm Ag 2499 ppm As	5' chip sample across contact between 20' quartz pod with dis-

seminated pyrite and green chlorite schist with major Cu-stains.

I 83	1.28 ppm Au 90 ppm Ag 202 ppm As	Jasperoid and green to brown schist with major Fe-stains and minor Cu-stains. 300 c.p.s. on scintillometer. Random grab sample from dumps and ground on hillside.
I 84	2.5 ppm Ag 36 ppm As	5' chip sample across zone of altered schist, jasperoid, and clay. All are Fe-stained with minor Cu-stains.
I 85	3.1 ppm Ag 344 ppm As	Altered schist and jasperoid with clay and Cu-stains. Random grab sample of chips across bulldozer cut.
I 86		Fe-stained diabase with some pyrite cubes. Also minor white quartz veinlets. Random grab sample across bulldozer cut.
I 87		Stream sediment sample.
I 88		Stream sediment sample.
I 89		Stream sediment sample.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

GARNET MOUNTAIN QUADRANGLE
ARIZONA–MOHAVE CO.
15 MINUTE SERIES (TOPOGRAPHIC)

3156 III (VIRGIN BASIN)

3156 II (ICEBERG CANYON)

114°15′ 36°00′ 114°00′ 36°00′

R. 18 W. R. 17 W. R. 16 W.

T. 30 N. T. 29 N.

LAKE MEAD NATIONAL RECREATION AREA

LAKE MEAD
Salt Spring Bay

GREGGS HIDEOUT 0.1 MI.

PIERCE FY ANCHORAGE 1.1 MI.

420 000 FEET

1 8:0 000 FEET

Sample Localities

Lost Basin Range

D.F.S. 1/80

Climax Mine

Golden Mile Mine

King Tut Placer

Bluebird Mine

Golden Rule Peak

Gold Hill Mine

Golden Gate Mine

Golden Mile Mine

King Tut Placer Mine

Lone Jack Placer Mine

Bluebird Mine

Water

BOUNDARY

INDEFINITE

JEEP TRAIL

PIERCE FERRY ROAD

AQUEDUCT

PIPELINE

Wash

Grapevine

Grand Wash Cliffs

3155 IV (SENATOR MTN.)

HO BAR RANCH 0.6 MI.