



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

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.

09/24/92

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: SYLVANIA MICA

ALTERNATE NAMES:

MARICOPA COUNTY MILS NUMBER: 418

LOCATION: TOWNSHIP 2 S RANGE 1 E SECTION 36 QUARTER C
LATITUDE: N 33DEG 12MIN 42SEC LONGITUDE: W 112DEG 12MIN 35SEC
TOPO MAP NAME: MONTEZUMA PEAK - 7.5 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:

MICA MUSCOVITE SH
FELDSPAR
COPPER
GOLD LODE
GEMSTONE TOURMALINE I
GEMSTONE GARNET
ABRASIVE GARNET

BIBLIOGRAPHY:

ADMMR SYLVANIA MICA FILE

SYLVANIA MICA MINE

REFERENCES

MARICOPA COUNTY

Maricopa Mica (file)

Krason, Jan et al - Geology, Energy and Mineral Resources Assessment
in the Maricopa Area, 1982, p. 46, Geology File

SYLVANIA MICA MINE

MARICOPA COUNTY
~~SIERRA ANCHA~~ DISTRICT

John Lemons reported that he had a date with Woodrow Simmons, Chief Geologist, Miami Copper Co., to examine his copper prospect (Sylvania) in the Sierra Ancha. According to him Simmons' report has not yet been received, but he gathered that Simmons regarded the mineralization as spotty but that a few local areas were worth development on a small mine basis, especially the contact zone. (see files)

WEEKLY REPORT - MARCH 18, 1960 - LEWIS A. SMITH, Field Engineer

See: Maricopa Mica - (file)

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Sylvania Mica Mine,

Date December 27, 1957

District Sierra Estralla Dist. *Mari-copa Co.*

Engineer Lewis A. Smith

Subject: Owners Report

Location: Sec. 36, T 2S, R 1 E, West side of Sierra Estralla Mountains

Owner: John Lemons and brothers 1701 East Apache St., Phoenix, Ariz.

Claims: One

Work: 1 cut now being made.

Minerals: Mica, Quartz, Tourmalane, Feldspar.

Geology: The deposit consists of a pegmatite, of yet undetermined width, cutting granite and schist. Mica books up to 14" square and 2"-15" thick were found. The mica splits well but has magnetite specks and twinning which, in places, hurts the marketable qualities. Some smaller books, however, showed good clear quality in sizes up to 4" square. The feldspar is altered, somewhat, but looks like it is orthoclase. The tourmaline is coal black, up to an inch in diameter, and up to a few inches long. The tourmaline is being sent, by Flagg, to the Bureau of Standards for a test on electric qualities. It is hard and should cut and polish well.

As soon as the deposit has been uncovered, below the surface zone, a better idea of its worth can be determined.

SYLVANIA MICA MINE (file)

Mari-copa
MOHAVE COUNTY *mine*
SIERRA ESTRELLA DIST.

Lewis A. Smith
Weekly Report - 2-26-60

Page 2

John Lemon was in relative to a visit to a new discovery on his Sylvania claims in the Sierra Estrella Mountains. This consists of a strongly garnetized contact zone between a granite-like intrusive and pre-Cambrian schists. The mineralized portion of this zone is 8' wide and carries 2.5% copper and some gold. The extent of the zone longitudinally is not yet determined. Adjacent to the intrusive almost solid garnet, 10 to 20' thick, lies between it and the mineralized zone. This overall zone trends about N-S for a considerable distance, then starts to curve toward the E on the north end. The dip averages about 45-50 degrees to the west. (Mr. Lemon wants a mine visit later.) The garnet is quite coarse, some crystals being 3/4 inch in length. Some local areas contain epidote and quartz. The schist which borders the E side of zone strikes NE-SW and is erratically mineralized with copper oxides.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine **Sylvania Mica Mine,**
Salt River Mtns Dist
District **Sierra Estrella Dist.**

Date **December 27 , 1957**

Engineer **Lewis A. Smith**

Subject: **Owners Report**

Location: **Sec. 36, T 2S, R 1 E, West side of Sierra Estrella Mountains**

Owner: **John Lemons and brothers 1701 East Apache St., Phoenix, Ariz.**

Claims: **One**

Work: **1 cut now being made.**

Minerals: **Mica, Quartz, Tourmaline, Feldspar.**

Geology: **The deposit consists of a pegmatite, of yet undetermined width, cutting granite and schist. Mica books up to 14" square and 2"-15" thick were found. The mica splits well but has magnetite specks and twinning which, in places, hurts the marketable qualities. Some smaller books, however, showed good clear quality in sizes up to 4" square. The feldspar is altered, somewhat, but looks like it is orthoclase. The tourmaline is coal black, up to an inch in diameter, and up to a few inches long. The tourmaline is being sent, by Flagg, to the Bureau of Standards for a test on electric qualities. It is hard and should cut and polish well.**

As soon as the deposit has been uncovered, below the surface zone, a better idea of its worth can be determined.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Sylvania Mica Mine,

Date December 27 , 1957

District Sierra-Estrella Dist.

Engineer Lewis A. Smith

Subject: Owners Report

Location: Sec. 36, T 2S, R 1 E, West side of Sierra Estrella Mountains

Owner: John Lemons and brothers 1701 East Apache St., Phoenix, Ariz.

Claims: One

Work: 1 cut now being made.

Minerals: Mica, Quartz, Tourmaline, Feldspar.

Geology: The deposit consists of a pegmatite, of yet undetermined width, cutting granite and schist. Mica books up to 14" square and 2"-15" thick were found. The mica splits well but has magnetite specks and twinning which, in places, hurts the marketable qualities. Some smaller books, however, showed good clear quality in sizes up to 4" square. The feldspar is altered, somewhat, but looks like it is orthoclase. The tourmaline is coal black, up to an inch in diameter, and up to a few inches long. The tourmaline is being sent, by Flagg, to the Bureau of Standards for a test on electric qualities. It is hard and should cut and polish well.

As soon as the deposit has been uncovered, below the surface zone, a better idea of its worth can be determined.