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02/26/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: SUNDAY CLAIM GROUP

ALTERNATE NAMES:

COCHISE COUNTY MILS NUMBER: 754

LOCATION: TOWNSHIP 23 S RANGE 25 E SECTION 17 QUARTER SE LATITUDE: N DEG MIN SEC LONGITUDE: W DEG MIN SEC TOPO MAP NAME: BISBEE NE - 7.5 MIN

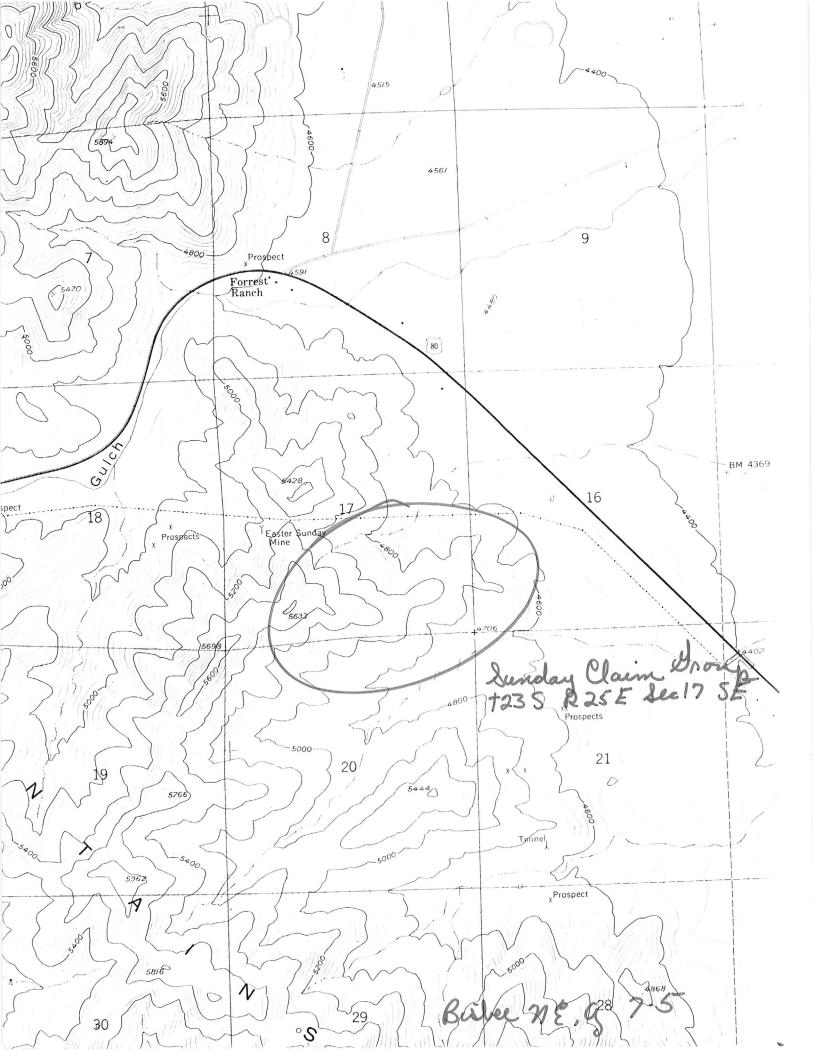
CURRENT STATUS: UNKNOWN

COMMODITY:

GOLD

BIBLIOGRAPHY:

ADMMR SUNDAY CLAIM GROUP FILE



PRINTED: 08/16/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: SUNDAY CLAIM GROUP

ALTERNATE NAMES:

COCHISE COUNTY MILS NUMBER: 754

LOCATION: TOWNSHIP 23 S RANGE 25 E SECTION 17 QUARTER SE LATITUDE: N 31DEG 25MIN 36SEC LONGITUDE: W 109DEG 49MIN 11SEC TOPO MAP NAME: BISBEE NE - 7.5 MIN

CURRENT STATUS: UNKNOWN

COMMODITY: GOLD

BIBLIOGRAPHY: ADMMR SUNDAY CLAIM GROUP FILE

SUNDAY CLAIM GROUP

COCHISE COUNTY

NJN WR 4/12/85: Harold and Beverly Best (c) visited and brought in reports and maps on three of their properties, the Sunday Claim Group (f) Cochise Co., Puppy Dog (Black Butte (f)) Maricopa County and Table Mtn. (f) Pinal County.



AMERICA WEST GEO-ASSOCIATES



EXPLORATION/DEVELOPMENT CONSULTANTS

BE

GEOLOGICAL EVALUATION REPORT, SUNDAY CLAIM GROUF COCHISE COUNTY, ARIZONA

> PREPARED FOR CHEST RESOURCES, BY RICHARD M. RENN

DEPARTMENT MINERAL RESOURCES MINERAL BLDG, FAIR GROUNDS PH HENIX, ARIZONA 85007

DONATED 4/85 BY HAROLD BEST

RICHARD RENN, CERTIFIED PROFESSIONAL GEOLOGIST 10817 CIELITO LINDO N.E., ALBUQUERQUE, NM 87111, (505) 292-3899

GEOLOGICAL EVALUATION REPORT SUNDAY CLAIM GROUP A Gold Prospect

INTRODUCTION

Crest Resources' Sunday claim group is located in Cochise County, southeastern Arizona in Township $\frac{2}{3}$ South, Range 25 East, Section 17 (Figure 1). The property consists of approximately 180 acres that underlie nine lode mining claims which are located in the southern Mule Mountains. The Sunday claims are situated one-half mile southeast of U.S. Route 80, four miles east of the town of Bisbee, Arizona and 19 miles northwest of Douglas, Arizona. Topography is comprised of moderate to steep, rolling hills. Vegetation around the Sunday claims is sparse and poorly developed, consisting of grease bush, various cacti and desert grasses. At present, cattle grazing is the primary use of the land.

HISTORY

The Sunday claims are contained within the Bisbee/Warren Mining District, which was established in 1876 with the discovery of extensive copper mineralization on Sacramento Hill, located about four miles west of the claims. Mining and development continued on many individual properties Phelps Dodge Corporation began consolidating the until 1900 when Bisbee/Warren District, By 1920, Phelps Dodge controlled most of the district and was in the process of open pit mining the mineralized portions of the Cretaceous quartz monzonite stock and the surrounding Paleozoic received significant limestone county rock that has also copper mineralization.

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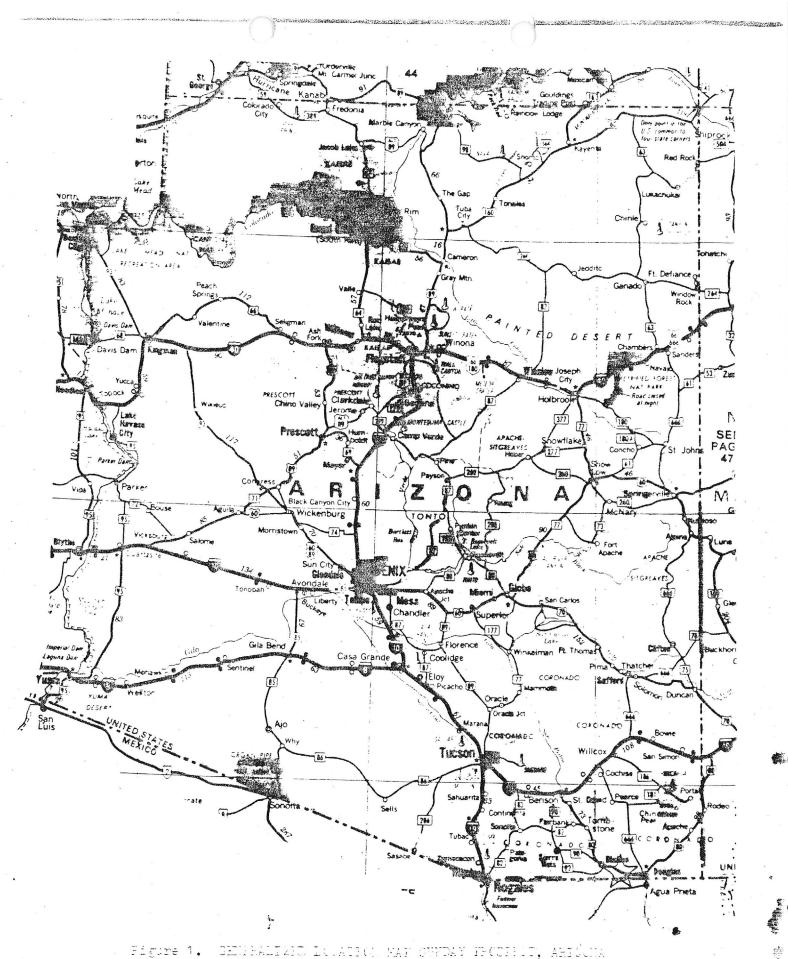
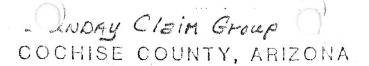


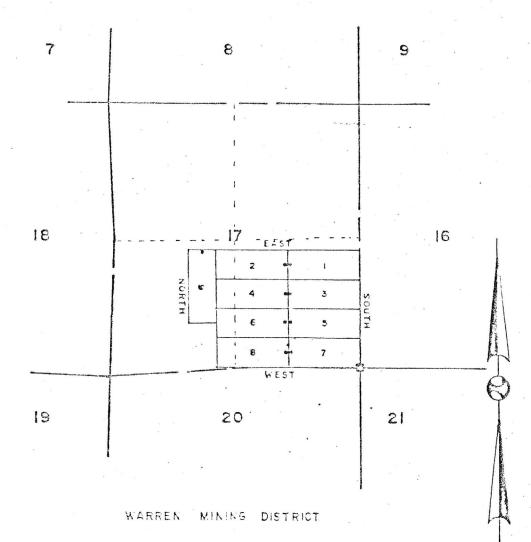
Figure 1. GENERALIZED LUACECC MAY SWYDAY FECCHELT, AMESUCA

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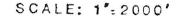


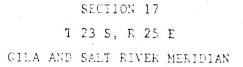
MITES:

- 1. This survey was accomplished using a brunton and chain.
- 2. All corners and end centers are marked by a 2" X 2" X 54" wooden post.
- 3. All location monuments are marked by a 4" X 4" X 54" wooden post ' set 25 feet to either side of end centers.
- 4. All claims are 600 feet in width by 1500 feet in length.



T235, R25E





It was about 1900 that the silicified, pyritized, brecciated and vertically standing sandstones, located four miles east of Bispee, were discovered to be auriferous. This resulted in the location of the Easter Sunday. Mine, which lies immediately west of Crest Resources' Sunday claims. The Easter Sunday Mine produced approximately 2,000 tons of auriferous flux ore between 1900-1911. Mine developments include a haulage tunnel that is a few hundred feet in length and runs into a steep northern hill slope. Above the haulage tunnel are a series of irregular stopes and raises that extend to the surface. The mine has remained idle since 1911.

STRATIGRAPHY/STRUCTURE

Rocks outcropping in area of the Sunday claims include Cretaceous marine limestones, shales, and sandstones of the Morita, Mural, and Cintura Formations, late Tertiary jasperiods and Quaternary alluvium. Structurally, the claim area lies in the late Cretaceous-Tertiary Overthrust Belt, in the Basin and Range Province and along a Cretaceous zone of weakness or linement that resulted in the localization of the nearby copper porphyry. All of these structures are present in the Sunday prospect area and each have had some effect on the localization of the mineralization found at the property. The Sunday claims lie along the crest of a monocline where the mineralization is localized along the hinge line and sediments dip near vertical. It was most probably this structural adjustment that fractured the host Morita sandstones and later allowed for the upward migration and invasion of siliceous, gold-bearing solutions. (A) 10

MINERALIZATION

Mineralization in the Sunday prospect area occurs in one, possibly two. broad, parallel fracture zones situated in sandstones of the Morita Formation. These sandstones have been silicified and pyritized by auriferous solutions that migrated along the shear zones, which probably extend to the basement rocks. The age of this mineralization is late Tertiary. On outcrop, mineralization includes the introduction of silica, which fused sand grains to form a "sandstone jasper." Pyrite mineralization in the sandstone is also quite extensive with individual cubes attaining widths up to one inch, indicating the disseminated nature the mineralization. Mineralized structures in the area are between 100 and 200 feet in width and trend from the portal of the Easter Sunday Mine at least 3,000 feet southeast, accarently onto the Sunday claims.

Geochemical sample data familiar to this author, taken from the portal of the Easter Sunday Mine and dump revealed a .515 and .9 oz/ton Au anomalies respectively.

CONCLUSIONS/RECOMMENDATIONS

Mineralized structures in the Morita sandstone apparently frend to the southeast onto Crest Resources' Sunday claims and present an excellent potential for economic grade, precious metals mineralization. Therefore, it is recommended that a detailed geologic mapping and geochemical sampling program of the Sunday claims be undertaken to determine the geometer of any shear zones present and evaluate the associated precievs metals intential. At the conclusion of this initial, exploratory mase, appropriate drilling targets can be selected and evaluated.

JOB STATEMENT

On February 14, 1985, I was contacted by Mr. Harold Best of Crest Resources Inc. to prepare a preliminary geologic report for his Sunday claim group in Cochise County, Arizona. Mr. Best selected me because of my familiarization with the prospect, which I originally generated in 1981 for Energy Reserves Group.

GEOLOGIST CERTIFICATE

I, Richard M. Renn, a Certified Professional Geologist of Albuquerque, New Mexico, do hereby state:

 I am a consulting Geologist. I graduated with honors from California State University of Pennsylvania in 1974 with a B.S. in geology.

2. My address is 10817 Cielito Lindo, Albuquerque, №, 87111.

3. This report was prepared at the request of Crest Resources.

4. I have practiced mineral exploration geology for the past seven years.

- 5. Although a visit to the property was not made at the time of this report, I have previously visited the property on several occasions.
- I have no direct or indirect interest in the Sunday claims or Crest Resources.
- 7. I am a member in good standing of the American Institute of Professional Geologist and hold the title of Certified Professional Geologist and Certification Number 6229.

Dated this 28th day of February, 1985, Albuquerque, New Mexico

There is

Richard M. Renn

Certified Professional Geologist #6229