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

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PRINTED: 01/17/2003

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: CRAZY BASIN PROPERTY

ALTERNATE NAMES:
CLEATOR MOLYBDENUM

YAVAPAI COUNTY MILS NUMBER: 1199A

LOCATION: TOWNSHIP 11 N RANGE 1 E SECTION 27 QUARTER SE
LATITUDE: N 34DEG 15MIN 48SEC LONGITUDE: W 112DEG 13MIN 53SEC
TOPO MAP NAME: CLEATOR - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:
SILVER
MOLYBDENUM SULFIDE
SPECIMENS MOLYBDENUM

BIBLIOGRAPHY:
USGS CLEATOR QUAD
ADMMR CRAZY BASIN PROPERTY FILE

PRINTED: 11-27-2006

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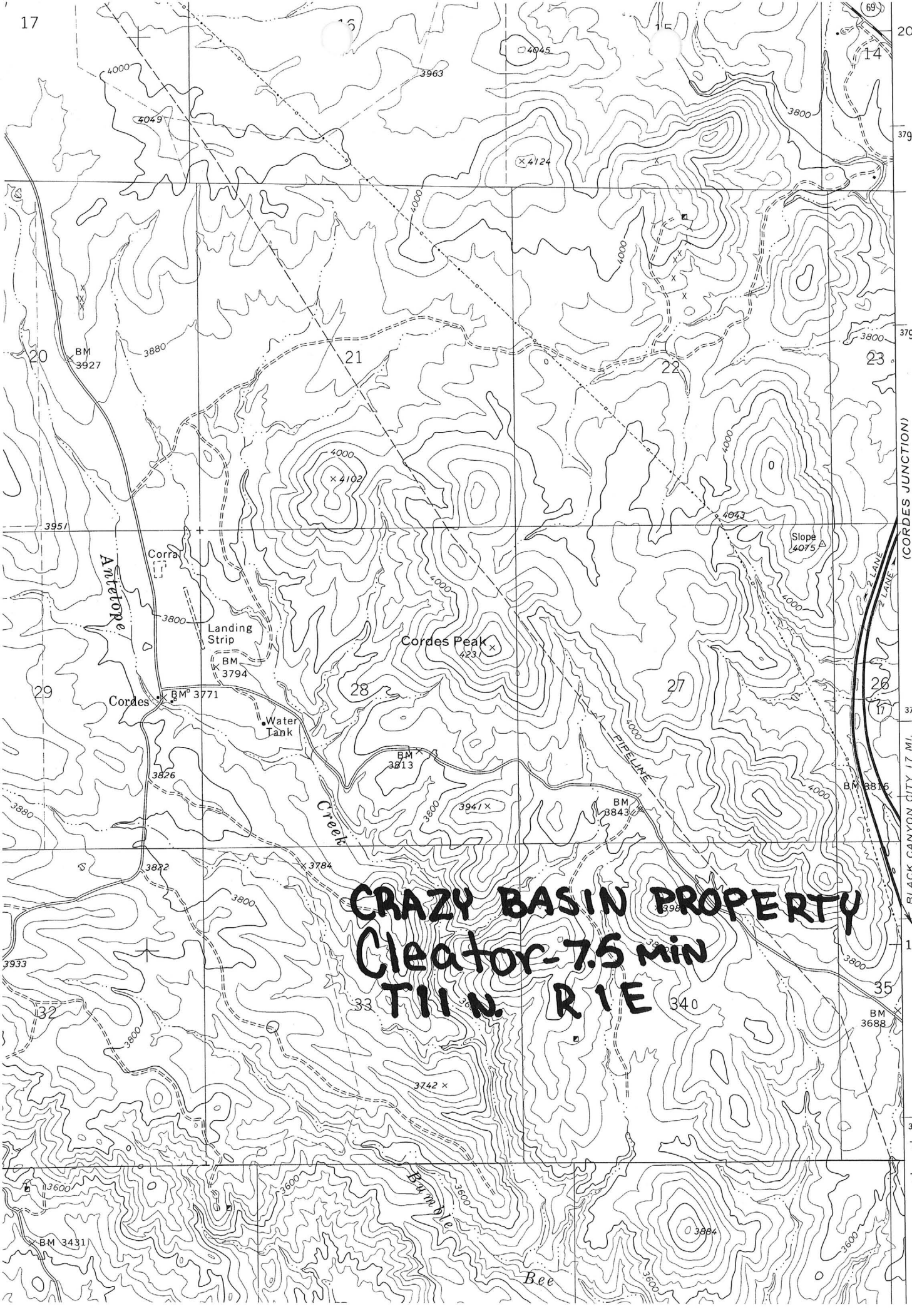
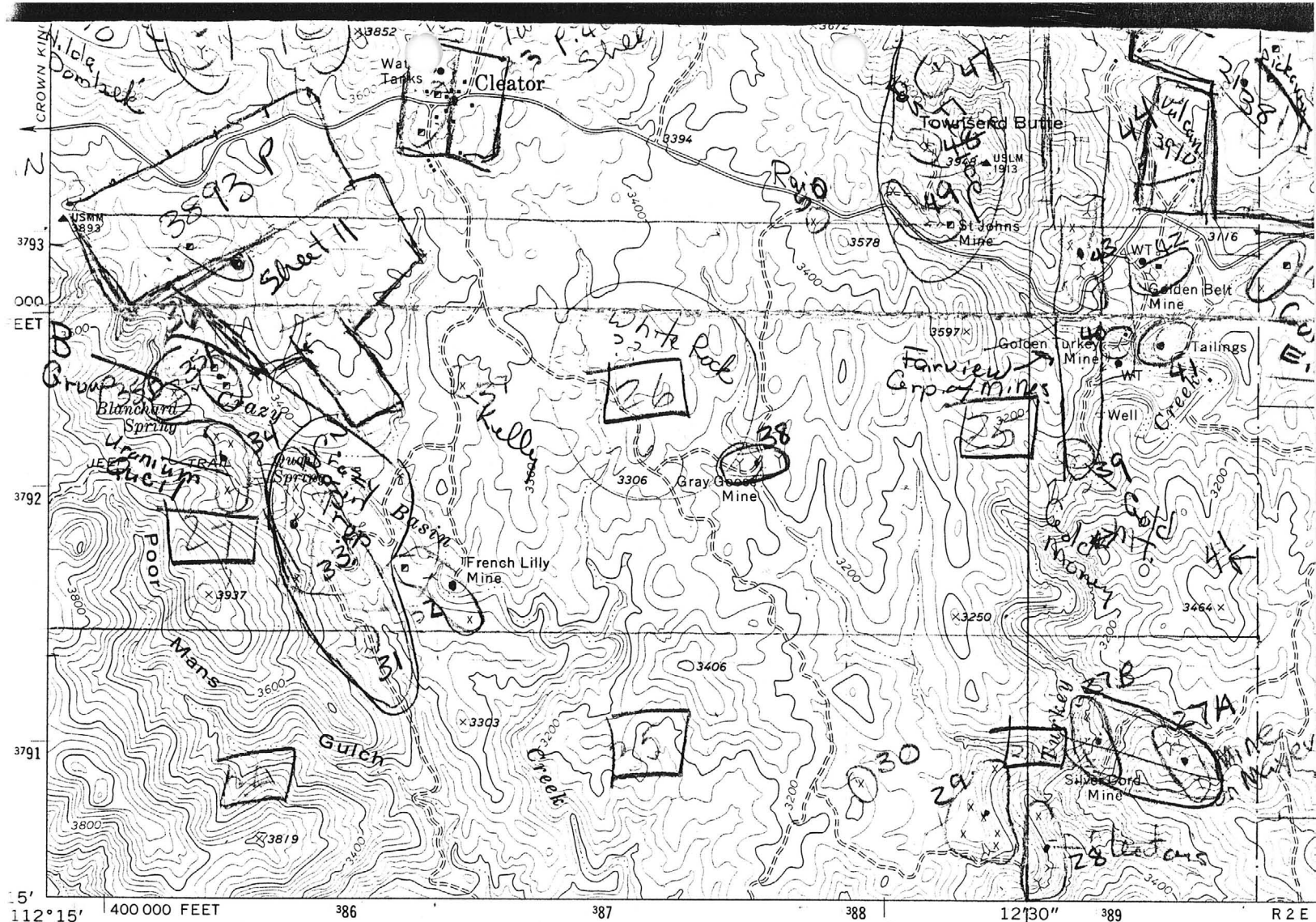

CRAZY BASIN PROPERTY
Cleator-7.5 min
T11N. R1E
Cordes Peak
Landing Strip
Cordes
Water Tank
Corral
Antelope Creek
Bumble Bee
PIPELINE
Slope
(CORDES JUNCTION)
CORDES JUNCTION (ARIZ. 69) 1.3 MI.
CAMP VERDE 28 MI.
BLACK CANYON CITY 17 MI.
PHOENIX 61 MI.
BM 3927
BM 3794
BM 3771
BM 3813
BM 3843
BM 3816
BM 3688
BM 3431
T 11 N
T 10 N



Mapped, edited, and published by the Geological Survey

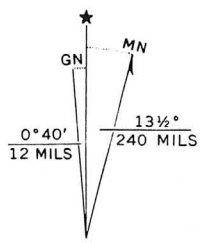
Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1974

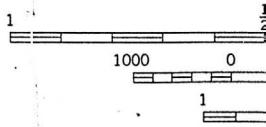
Projection and 10,000-foot grid ticks: Arizona coordinate system, central zone (transverse Mercator)
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue. 1927 North American datum

Fine red dashed lines indicate selected fence lines

Where omitted, land lines have not been established



UTM GRID AND 1974 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



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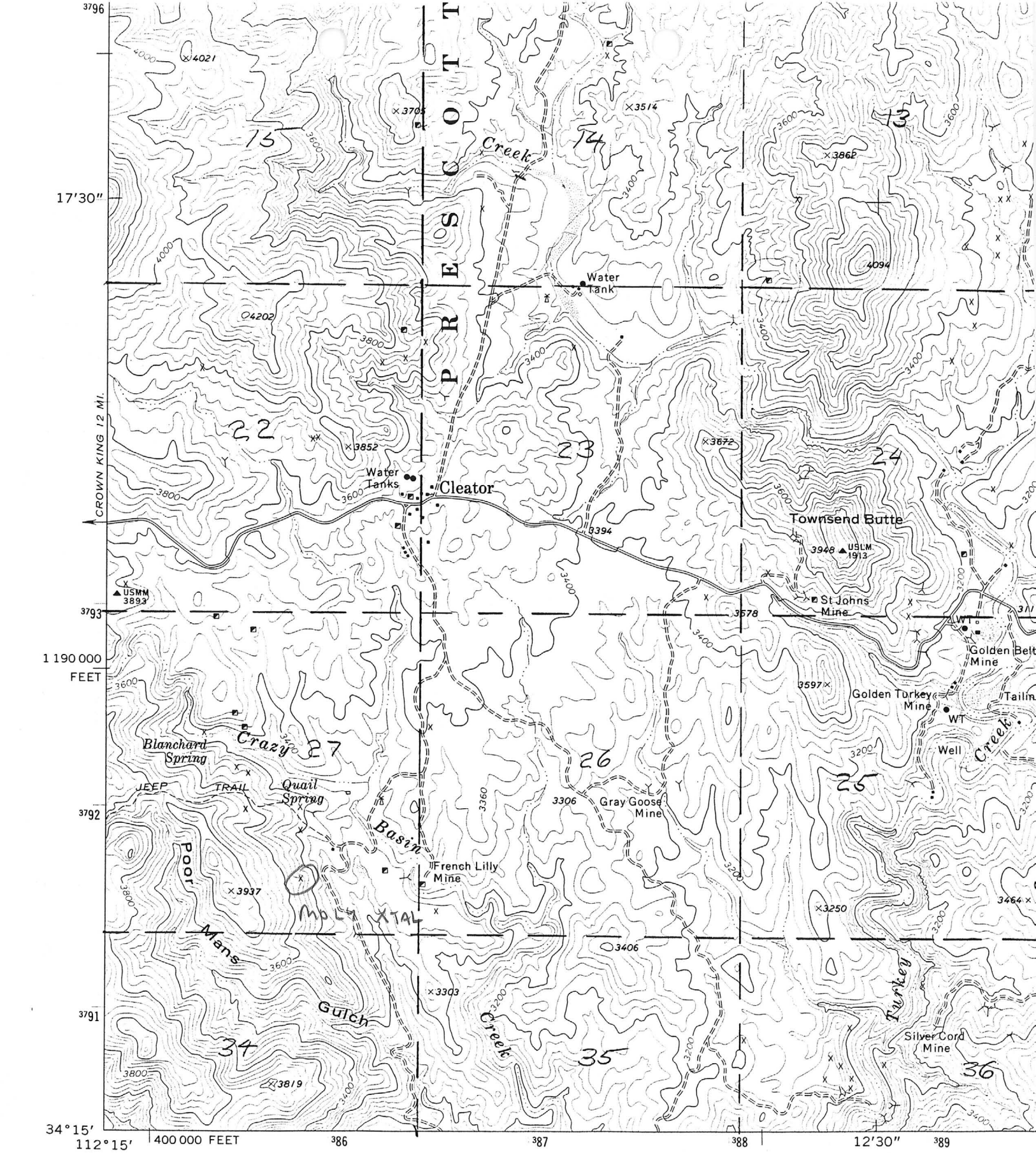
CLEATOR 7.5



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Fine red dashed lines indicate selected fence lines

PROTRACTION FROM BLM SURFACE - SUB SURFACE 1:100,000 SERIES MAP

GN MN 0°40' 12 MILS 13½° 240 MILS

CLEATOR 7.5

PROPOSED INVESTIGATION OF POTENTIAL COPPER-GOLD MINERALIZATION NEAR CLEATOR, ARIZONA

Yavapai, Az

by

Wm. Hovey Smith

March 1973

Heinrichs GEOEXploration Company
Mineral Exploration Consultants and Contractors
P.O. Box 5964 Tucson, Arizona
Telephone: (602) 623-0578

Proposed Investigation of Potential Copper-Gold Mineralization Near Cleator, Arizona

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ILLUSTRATIONS

Proposed Investigation of Potential Copper-Gold Mineralization Near Cleator, Arizona

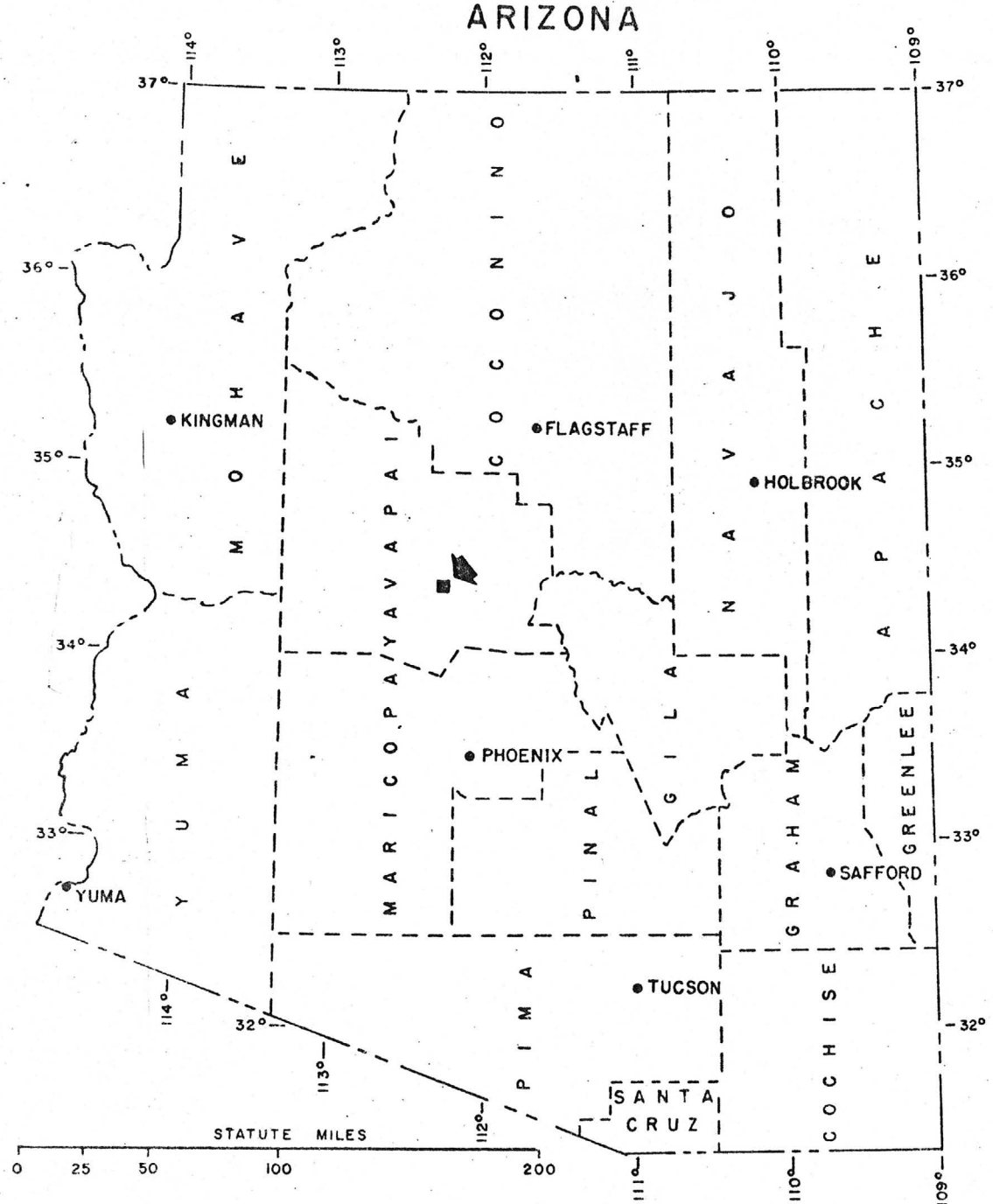
INTRODUCTION

Detailed mapping by C. A. Anderson of the United States Geological Survey (1972) has revealed areas of structural complexity that might serve as loci for copper-gold mineralization. The largest area is immediately southwest of Cleator and is shown on "Geologic Map of The Cordes Area, Yavapai County, Arizona" (figure 2). The district is noted for its past gold and copper production and the Gray Goose and French Lily gold mines are located within a mile of the main area of interest. The Blue Bell and Iron King mines were significant copper-gold producers in the same belt of meta-volcanics. Near by are also a number of smaller copper producers, such as the DeSoto and Swastika mines.

EXPLORATION OBJECTIVES

Areas of structural complexity near Cleator and east of the Swastika mine may be caused by unexposed stock-like projections of the Crazy Basin Quartz Monzonite into the Spud Mountain Volcanics (figure 2). These stocks would be focal points for tectonic pressures resulting from the approximately five miles of strike-slip movement along the Shylock fault zone. I think that disturbances along this fault might have caused brecciation of the relatively brittle hornfels around the stock and thus formed a favorable locality for ore deposition. Anderson states that movement along this fault caused jamming of the Spud Mountain rocks

GENERAL LOCATION OF
AREA GEOLOGY MAP
of
A PORTION OF YAVAPAI COUNTY
ARIZONA



HEINRICHS GEOEXPLORATION COMPANY

FIGURE 1

against the batholith. To further investigate the accuracy of these suppositions, will be the object of the proposed investigation.

METHODS AND PROCEDURES

The areas of potential interest are located on federal lands. Preliminary land investigations have shown that there are no patented claims within the areas of interest, however, there may be valid unpatented claims. Detailed land investigations will be necessary to determine prior claims in the areas. Following land investigations, a five day reconnaissance would be made to examine the area, determine access, and select a base for operations (Phase I). If the initial reconnaissance is favorable, and following client consultation, approximately 35 claims would be staked near Cleator and 5 east of the Swastika mine.

Geologic, geochemical, magnetic, and induced polarization investigations would follow under Phase II. Results of this work would be compiled and client consultations held to determine future actions, based on indicated economic potential.

In order to achieve maximum cost efficiency, the entire program as outlined under Phase II would be completed within about 60 days following claim staking. If the claims are held for a longer period, they must be perfected, i.e., the discovery pits of drill holes dug and all corners established. If the initial program does not prove promising, a considerable savings would result if the claims are not held over 60 days.

COST ESTIMATE

Projected cost for the proposed exploration program to be conducted by Heinrichs GEOEXploration Company follow. Induced Polarization cost estimate is for maximum coverage. Less detailed coverage may suffice.

Phase I

Proposal preparation	$ 500.00
Literature review	200.00
Land status determination	300.00
Preliminary reconnaissance	
Geologist and assistant 5 days	1,000.00
Analysis	200.00
Vehicle	180.00
Expenses	165.00
Miscellaneous	50.00
Letter report	300.00
TOTAL Phase I	$2,895.00

Phase II

Claim staking (discovery post only)	
$50.00/claim for 40 claims	$ 2,000.00
Maps and aerial photos	200.00
Analysis	2,000.00
Magnetometer rental	
10 days @ $25.00/day	250.00
Induced Polarization investigation (maximum)	
15 line miles @ $500.00/line mile	7,500.00
Drafting and report	1,700.00
Supervision	750.00
Expenses	
20 day field investigation by geologist and assistant @ $200.00/day	4,000.00
Living - 25 crew days @ $33.00/day	825.00
Vehicle @ $15.00/day and $0.15/mile	562.00
Miscellaneous	400.00
	20,187.00
Plus 15% contingency	3,028.00
TOTAL Phase II	$23,215.00

Contract and Payment

From the sponsor, Heinrichs GEOEXploration Company requests that a $500.00 advance payment be made on acceptance of Phase I of the program, and a $4,000.00 advance payment be made when a contract covering Phase II of the proposal is approved. Billing arrangements are flexible, but customarily we bill every two weeks. As project incentive and compensation for any promotional risk funds already expended, Heinrichs GEOEXploration Company will retain a small carried interest in net revenue from any discoveries resulting from this venture. The percentage is negotiable. Sponsor may back out of project on 10 days written notice to GEOEX and be relieved of all contingent liability to GEOEX regarding any mutual interest in any property rights acquired under this agreement to that point. Similarly GEOEX may back out on 30 days written notice to sponsor, with no further obligations other than keeping private, sponsor-owned results confidential. Thse terms are suggestive only and are not intended to be inflexible. Counter proposals are solicited. Our prime objective is economic discovery.

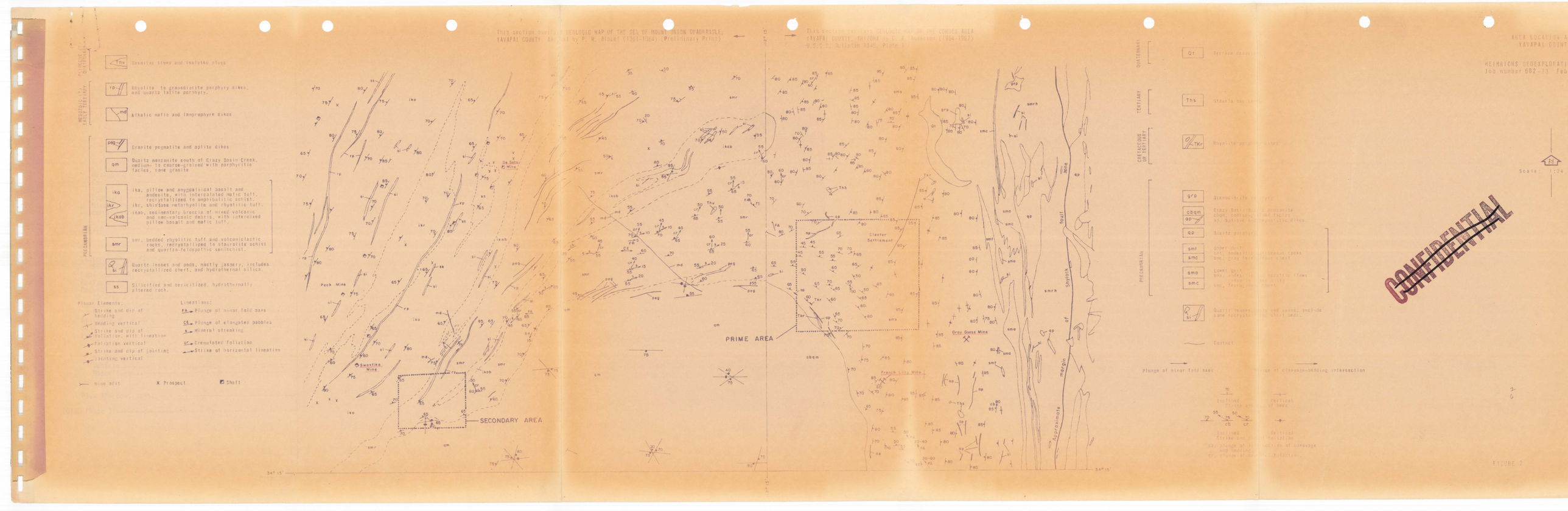
REFERENCES CITED

Anderson, C.A., 1972, Precambrian rocks in the Cordes area, Yavapai County, Arizona: U.S.G.S. Bull. 1345, 36p.

Wm. Hovey Smith
Geologist

Walter E. Heinrichs, Jr.
President

WHS:oek
3/5/73 & 3/14/73


This section overlies GEOLOGIC MAP OF THE SE¼ OF MOUNTAINTON QUADRANGLE, YAVAPAI COUNTY, ARIZONA by P. W. Blagel (1961-1964) (Preliminary Print)
This section overlies GEOLOGIC MAP OF THE DORUSS AREA YAVAPAI COUNTY, ARIZONA by C. A. Anderson (1904-1967) U.S.G.S. Bulletin 1340, Plate I
AREA LOCATION MAP YAVAPAI COUNTY
HEIMRICHS GEOEXPLORATION
Job number 602-73 Feb
CONFIDENTIAL
PROTEROZOIC (PRECAMBRIAN) INTRUSIVE ROCKS
Basaltic flows and isolated plugs
Rhyolite to granodiorite porphyry dikes, and quartz latite porphyry.
Alkalic mafic and lamprophyre dikes
Granite pegmatite and aplite dikes
Quartz monzonite south of Crazy Basin Creek, medium- to coarse-grained with porphyritic facies, some granite
PRECAMBRIAN
ika, pillow and amygdaloidal basalt and andesite, with intercalated mafic tuff, recrystallized to amphibolitic schist.
ikr, shistose metarhyolite and rhyolitic tuff.
ikab, sedimentary breccia of mixed volcanic and non-volcanic debris, with intermixed pillow basalt and mafic tuff.
smr, bedded rhyolitic tuff and volcaniclastic rocks, recrystallized to staurolite schist and quartzo-feldspathic semischist.
Quartz lenses and pods, mostly jasperry, includes recrystallized chert, and hydrothermal silica.
Silicified and sericitized, hydrothermally altered rock.
Planar Elements:
Strike and dip of bedding
Bedding vertical
Strike and dip of foliation, with lineation
Foliation vertical
Strike and dip of jointing
Jointing vertical
Lineations:
Plunge of minor fold axes
Plunge of elongated pebbles
Mineral streaking
Crenulated foliation
Strike of horizontal lineation
Mine adit
X Prospect
Shaft
Swastika Mine
Peck Mine
Da Costa Mine
SECONDARY AREA
PRIME AREA
Cleator Settlement
Gray Goose Mine
French Lilly Mine
Skyhook fault
Aurora mine
margin of
34° 15'
112° 15'
QUATERNARY
TERTIARY
CRETACEOUS OR TERTIARY
PRECAMBRIAN
Qt
Terrace gravels
Ths
Tkr
grp
cbqm
qp
smt
smc
sma
Contact
Plunge of minor fold axes
Plunge of cleavage-bedding intersection
Inclined
Vertical
Scale: 1:24
FIGURE 2