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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: CONWAY 1-17

ALTERNATE NAMES:

MINARIK
URANIUM 1-17

GILA COUNTY MILS NUMBER: 360

36? SEE REPORT

LOCATION: TOWNSHIP 7 N RANGE 12 E SECTION 34 QUARTER C
LATITUDE: N 33DEG 54MIN 27SEC LONGITUDE: W 111DEG 06MIN 47SEC
TOPO MAP NAME: COPPER MTN - 7.5 MIN

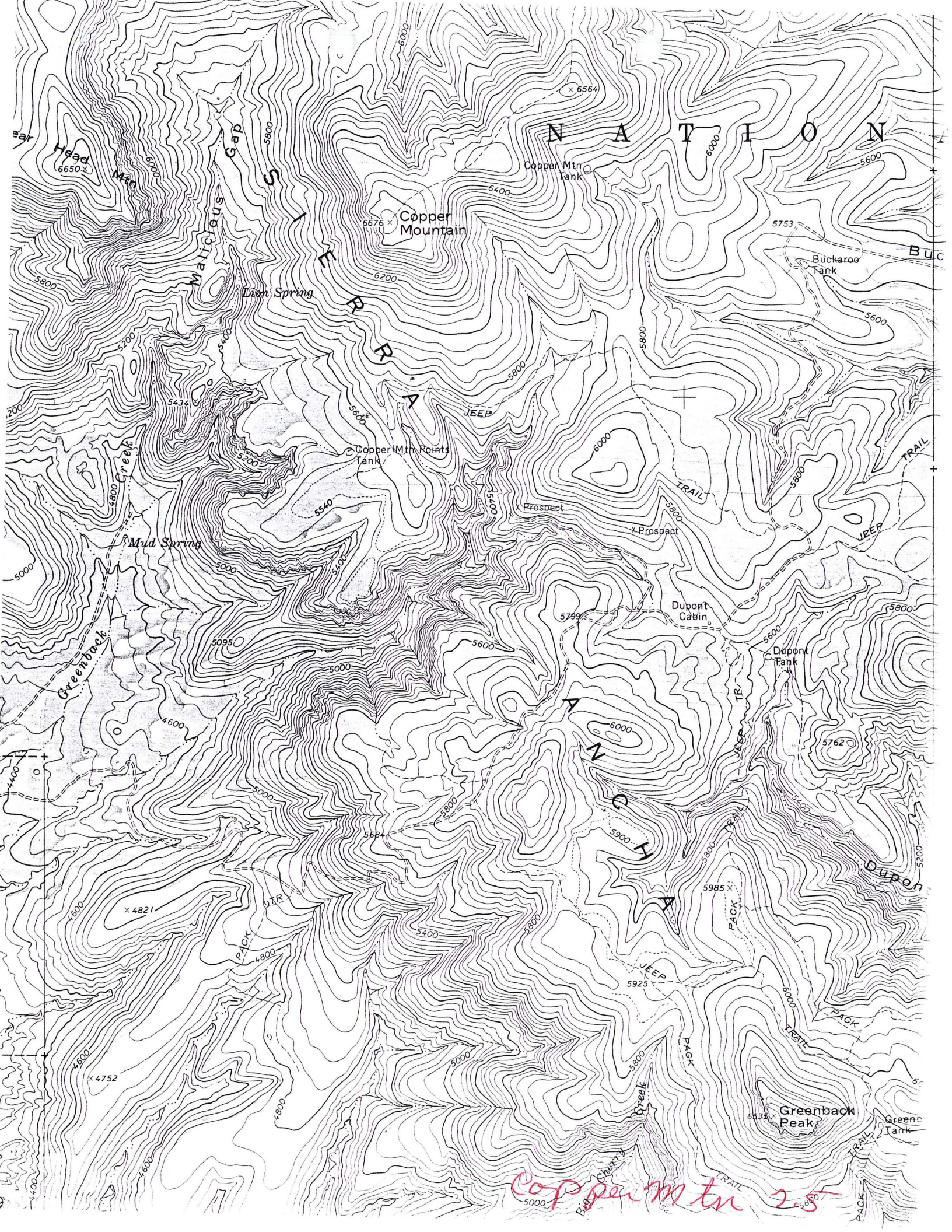
CURRENT STATUS: EXP PROSPECT

COMMODITY:

URANIUM

BIBLIOGRAPHY:

USGS COPPER MTN QUAD
USAEC PRELIM RECONN REPORT 172-480 1956 P 14
ADMMR CONWAY 1-17 FILE
USAEC PRELIM RECONN REPORT 172-480 1956 P 85



Copper Mtn 2.5

Conrad
CURSORY EXAMINATION

REPORT

of

CERTAIN URANIUM PROPERTIES

in

EL CAPITAN and SIERRA ANCHA

MINING DISTRICTS

Gila County, Arizona

by

D. E. Mieritz

Mining Consultant

Phoenix, Arizona

May 17, 1958

TABLE OF CONTENTS

	<u>Page</u>
Introduction	1
Conclusions	1
Properties and Location	2
Geology	3
Mineralization	3
Development	4
Desert Queen	5
Minarik	5
Recommended Exploration	6
Exploration Costs	6
Ore Reserves	7

MAPS

Index Map—shows location of properties

Claim Maps—Desert Queen Claims and Minarik Claims.

INTRODUCTION

At the request of Mr. C. Orin Swain, President of Desert Queen Uranium Company, Whittier, California, the writer has completed an examination and evaluation of certain uranium properties by a physical field examination of same, a study of available limited information and by application of the writers knowledge of the area which we are concerned with.

The field examination of the Desert Queen group of claims was completed on March 22, 1958 during a miserable day of rainstorms and wind which practically invalidated the use of any radioactivity instrument. Field examination of the Minarik claims was completed on May 12, 1958.

Acknowledgements must be made for the assistance of Messrs. Angius and Minarik whom were very helpful to the writer on the field trips and providing information.

CONCLUSIONS

As a result of the field examinations personally completed by the writer and a review of the limited available information, the following conclusions are forwarded:

- (1)-Uranium mineralization is limited to a silicified shale member within the Dripping Springs quartzite formation,
- (2)-The grade of the mineralization thus far indicated is approximately .10% U_3O_8 ,
- (3)-Existence of stronger uranium mineralization is a possibility as elongated zones controlled to a great extent by local dip changes and/or depressions created at time of deposition of the shale member,
- (4)-Exploration as surface geological mapping, geophysical in-

strumentation, outcrop sampling, core drilling and sampling must be completed to adequately develop the properties and evaluate same.

(5)-Some \$200,000 may be required to completely accomplish the recommended exploration program, and

(6)-if such funds are not available, the project should be forgotten since any expenditure less than \$50,000 on each property would be a waste of funds.

PROPERTIES and LOCATION

Both properties are under option to purchase by the Desert Queen Uranium Company and include the following: Desert Queen and Minarik groups of claims.

The Desert Queen group lies in Section 2 of T. 3 S., R. 15 E., Gila and Salt River Base and Meridian, Gila County, Arizona. The property is 13 miles southeast of Globe, Arizona in the El Capitan Mining District, El Capitan Mountain Range.

The Minarik claims lie two miles south of Copper Mountain approximately in Section 36, T. 7 N., R. 12 E., Gila and Salt River Base and Meridian, Gila County, Arizona. This property is approximately 50 air-line miles northwest of Globe in the Sierra Ancha Mining District, Sierra Ancha Mountain Range.

All properties are accessible by roads, the major portion of which is over paved State Highways; State highway 77 from Globe to the Desert Queen and the Beeline Highway from Phoenix to the Minarik. Pickup or Jeep travel is advisable off the main highways to the properties.

The Desert Queen property enhances 15 standard lode mining claims (see claim map) whereas the Minarik has 25 claims to its credit, two

claims of which have been amended. The following tabulation lists the respective claims:

Desert Queen

Johnny # 1	Sally # 2	Sally # 7
Johnny # 2	Sally # 3	The Dome # 1
Jehny # 3	Sally # 4	The Dome # 2
Johnny # 4	Sally # 5	The Dome # 3
Sally # 1	Sally # 6	The Dome # 4

Minarik

Great Gain # 1	Outer Fringe # 1	Candy Can
Great Gain # 2	Latecomer # 1	Dyna Dyn # 1
Great Gain # 3	Latecomer # 2	Dyna Dyn # 2
Great Gain # 4	Latecomer # 3	Dyan Dyn # 3
Great Gain # 4 Amended	Latecomer # 3 Amended	Dyna Dyn # 4
Great Gain # 5	Latecomer # 4	Dyna Dyn # 5
Fringe # 1	Latecomer # 5	Dyna Dyn # 6
Fringe # 2	Candy Ann	Dyna Dyn # 7
Fringe # 3	Candy San	Dyna Dyn # 8

The writer has assumed the validity of these claims as to proper location notices, etc and he is amply sure that sufficient work has been completed on the claims to qualify them for annual assessment requirements.

GEOLOGY

Geology-wise, the properties, although miles apart, are situated in areas of similar, simple stratigraphical conditions, namely, sediments and in particular the wide spread, very thick Dripping Springs quartzite formation. To describe regional structural and geologic sequences would add little to this report since its interpretation would not influence to any great extent the analysis of the evaluation.

MINERALIZATION

Occurance of uranium mineralization on these properties can be simply stated as being confined to the some two to four foot thick silicified

shale member within the Hripping Springs quartzite formation. Where recent erosion has cut deep canyons, exposures of the shale member are in evidence and in many instances increased radioactivity is observed. Some of the increased radiation is due to the rock change, however, the balance of the increased count represents the presence of radioactive minerals.

The uranium minerals observed at the properties are uranophane, autunite and torbernite, all being common secondary minerals, the former two containing calcium and the latter containing copper. The colors of these minerals are yellow to apple green.

These uranium minerals are found along the thin bedding planes or parting layers of the shale member rather than as disseminations throughout the mass. This fact indicates deposition of the uranium minerals was simultaneous with that of the shale member, the minerals being carried in solution until deposition occurred.

Recent studies by the writer of some drill hole probings indicates that a stronger concentration of uranium occurs near the middle of the shale member rather than being evenly distributed throughout. Moreover, there is strong indications that secondary enrichment has also occurred since there is a distinct abrupt increase at the top of mineralization with a gradual diminishing value when passing through the zone or member. Although feeble, the probing results also indicate the intersection or top of the shale member.

Clues to stronger mineralization may possibly be identified with changes in bed dips or strike depressions. Therefore, detailed geologic mapping is a definite requirement as a guide to future exploration.

DEVELOPMENT

To date a meager amount of unplanned or haphazard development has

been completed as trenches, cuts and diamond drilling. There is little record of the results obtained by samples taken from outcrops, cuts and trenches, geologic logs of drill cores or their samples and maps showing locations of drill holes, all of which is pertinent information paid for but is not now available for a reliable evaluation basis.

Desert Queen

Development of this property consists of two short diamond drill holes and a few cuts or trenches. This work, although meager, does indicate the existence of a uranium bearing shale member within the quartzite formation.

Unfortunately there is no information as probing results of the two drill holes. Mr. Aggus reports that high probe values were obtained at depths equivalent to projection of the local dip of the mineralized shale member, however, no uranium content can be assigned to the intersection. It would be the writers guess that a value of from .10 to .30% could be applied to these intersections.

Minarik

Development on this property is limited to a few cuts and trenches, two very short adits and presumably some drilling completed by the U. S. G. S. but the writer has not been able to confirm this to any extent.

All in all, development of the two properties is extremely limited and presents many evaluation difficulties except in a geological light. Much exploration is needed to provide ample information for proper records and evaluation.

A visit to the local A. E. C. office here in Phoenix proved futile even though I exhibited the necessary documents to prove Mr. Swain was the current person purchasing the property. Their office was very uncooperative.

RECOMMENDED EXPLORATION

For reasons stressed in paragraphs under "Mineralization", the following exploration steps must be considered:

(1)-A complete surface geological mapping of the properties together with topographical features such as drainage, surface contours, is required.

(2)-A radiometric grided survey in those areas under which the mineralized silicified shale member is known to exist. This to possibly isolate zones of stronger mineralization.

(3)-Initiate an adequate sampling program designed to test the strength of mineralization of all exposed outcrops. (attempt if possible to correlate the stronger areas indicated by sampling with those of the stronger areas indicated by item 2-geophysical survey.)

(4)-Initiate a program designed to test the indicated areas by core drilling.

(5)-Initiate a rigid drill core and sludge sampling program such that samples can be assayed chemically and the correct results may be properly evaluated through geologic logging, preparation of adequate sections, maps, etc.

(6)-This exploration work must be completed under the rigid supervision of a professional man who is experienced in geology, drilling, handling of samples and their procedures, etc.

EXPLORATION COSTS

A program such as outlined above is not tangible or materially fixed since advancement from one phase to the next is completely dependent on the negative or positive results of the preceding phase or phases. Thusly, the program may require all five phases and on the other hand it could

easily be limited to the first three phases.

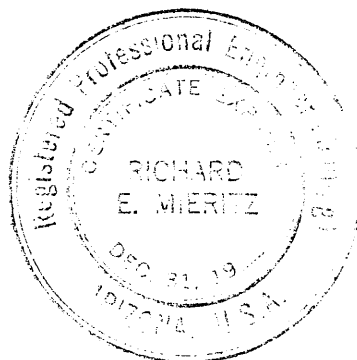
Assuming the recommended exploration were carried to completion, an expenditure of approximately \$100,000 must be considered to obtain the minimum amount of information and were the results encouraging, an additional like sum might be necessary. On the other hand, were only the first three phases necessary and the program limited to this point because of poor results, the cost would not necessarily exceed \$10,000 for the required professional fees involved and cost of sampling, assaying, etc.

If sufficient fore-sight to project the financing of this project to the ultimate figure of \$200,000 is not possible or available, it would be wise to forget the matter entirely since there is little to be gained by spending a few dollars here and a few dollars there. Past experience as to exploration on these properties is ample proof.

ORE RESERVES

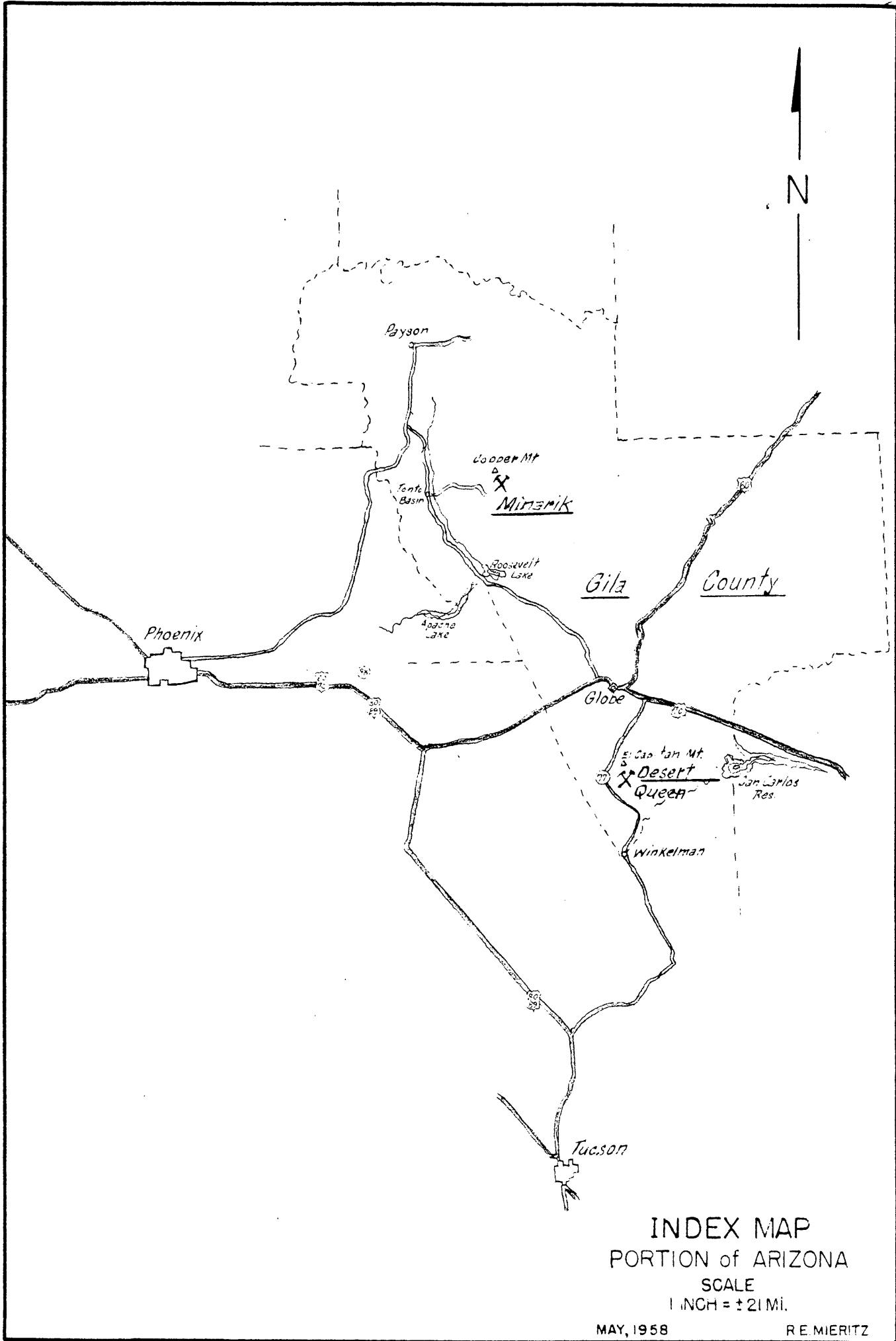
The writer would not only be kidding himself, but would be attempting to fool others if an ore reserve estimate was forwarded. All that can be said using the available limited information and the knowledge gained from the examination is that an underterminable large tonnage of low grade uranium mineralized rock is indicated. A projected grade of this material is indicated to be about .10% U₃O₈, a material which economically can not be considered "ore" since mining, trucking and milling costs would exceed the value of the contained mineral.

It is therefore pertinent that future exploration be directed towards a search for stronger mineralization within the known mineralized shale bed.



Respectfully submitted,

Richard E. Mieritz
Mining Consultant
Phoenix, Arizona
May 17, 1958



Phoenix

Payson

Cooper Mt

MIDEMIK

Tonto Basin

Roosevelt Lake

Gila

County

Apache Lake

Globe

San Juan Mt.

Desert Queen

San Carlos Res.

Winkelman

Tucson

INDEX MAP
PORTION of ARIZONA
SCALE
1 INCH = ± 21 MI.

MAY, 1958

R. E. MERITZ

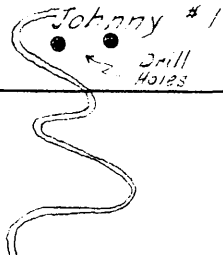
R. 15 E.

T.

2

3

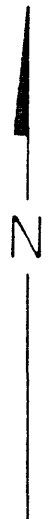
S.

$\begin{array}{r} 34 \ 35 \\ 3 \ 2 \end{array}$ Sally # 7	$\begin{array}{r} 35 \\ + \\ 2 \end{array}$ Sally # 6	Sally # 5
Johnny # 2	Johnny # 3	Sally # 4
 Johnny # 1 Drill Holes	Johnny # 4	Sally # 3

3-2

Interstate Claims

The Dome #4 Sally # 2



The Dome #1	The Dome #2	The Dome #3	Sally #1
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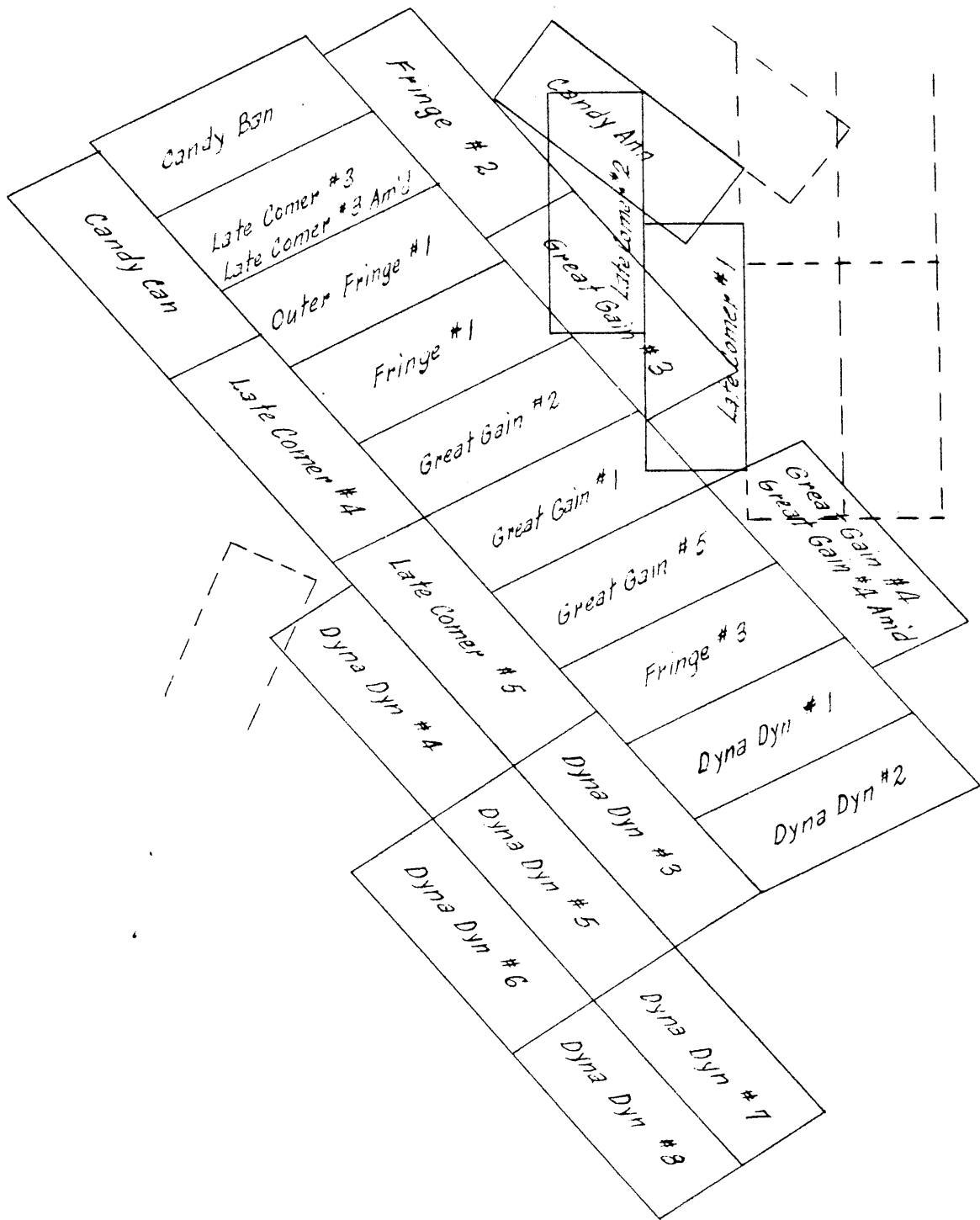
$$\begin{array}{r} 3 \ 2 \\ 10 \ 11 \end{array}$$

$$\begin{array}{r} 2 \\ + \\ 11 \end{array}$$

CLAIM MAP
 DESERT QUEEN GROUP
 EL CAPITAN MINING DISTRICT
 GILA COUNTY, ARIZONA
 PAGE SIZE SCALE
 1" = 800 FT.

MAY, 1958

REMIERITZ



Approximately Sec. 36-T.7N-R.12E.
Gila County, Ariz.

CLAIM MAP
MINARIK GROUP
SIERRA ANCHA MINING DISTRICT
GILA COUNTY, ARIZONA
PAGE SIZE SCALE
1" = 1,000FT.

MAY, 1958

REMIERITZ