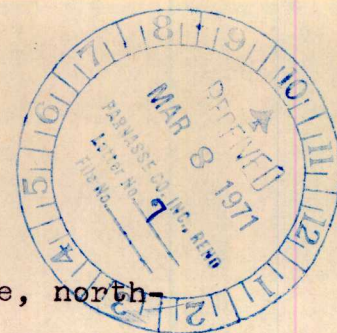


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RYAN CANYON PROSPECT

T.9N R. 31E



The Ryan Canyon Prospect is located in the Gillis Range, northeast of Hawthorne, Nevada. Access to the property is via highway and gravel county road from Hawthorne about 5 miles northeast of the S.P. R.R. station at Thorne.

The general geologic setting of this area as seen on the Mineral County geologic map, shows the Gillis Range formed by a series of volcanics, tuffs, clastics of triassic age (Excelsior Fm).

In the area of this prospect the Excelsior formation has been intruded by a stock of quartz monzonite in part porphyritic. Intense<sup>N</sup> pyriteization of the stock was observed. A zone of silicified breccia bearing malachite, azurite and minor cinnabar occurs within about 2500 feet of the observed portion of the quartz monzonite stock. The breccia zone is exposed by a series of bulldozer cuts and appears to be of sufficient size to warrant further investigation.

It seems that the intense<sup>it</sup> pyritization of the quartz monzonite porphyry stock and the addition of copper into brecciated zone are related in time and space and taken together offer a reasonably good chance for the discovery of a large copper deposit in the area.

It is recommended that a short option be taken on this property for the purpose of preparing a reconnaissance geologic map of the breccia zone, quartz monzonite stock and spacial relationship of these units. At the same time a series of



RYAN GANYON PROSPECT

T.O. R. 314

The Ryan Ganyon Prospect is located in the Gillis Range, north-  
east of Hawthorne, Nevada. Access to the property is via high-  
way and gravel county road from Hawthorne about 2 miles north-  
east of the S.F. R.R. station at Thorne.

The general geologic section of this area as seen on the Mober-  
al County geologic map, shows the Gillis Range formed by a  
series of volcanic, tuffs, clastics of Tertiary age (Eocene to  
Tertiary).

In the area of this prospect the Eocene formation has been  
intruded by a stock of quartz monzonite in part porphyritic.  
Intense pyritization of the stock was observed. A zone of  
altered breccia bearing malachite, azurite and minor clino-  
chlore occurs within about 2500 feet of the observed portion of  
the quartz monzonite stock. The breccia zone is exposed by a  
series of bulldozer cuts and appears to be of sufficient size  
to warrant further investigation.

It seems that the intense pyritization of the quartz monzonite  
porphyry stock and the addition of copper into brecciated zone  
are related in time and space and taken together offer a reason-  
ably good chance for the discovery of a large copper deposit  
in the area.

It is recommended that a short option be taken on this prop-  
erty for the purpose of preparing a reconnaissance geologic  
map of the area, quartz monzonite stock and special  
features of these units. At the same time a series of





rock samples from the breccia zone and stock should be taken for Emission Spectrographic Analysis. ( )

A 60 day option should be sufficient for the recommended work allowing 2 to 3 weeks of field work to prepare the maps with an additional 2 to 3 weeks for sample analysis and returns.

Lester Greenwood

Lester Greenwood

Date: 2/12/71



rock samples from the bridge zone and stock should be taken  
for emission Spectrographic Analysis. (A - 1000)

A 60 day option should be sufficient for the recommended work  
allowing 2 to 3 weeks of field work to prepare the maps with  
an additional 2 to 3 weeks for sample analysis and return.

Robert G. Gorman  
Robert G. Gorman

Date: 2/12/71





## GEOLOGICAL ABSTRACT OF MINING PROPERTIES

METALS Copper-Moly

NAME: Ryan Canyon OWNER: Ken. Palosky INTERMEDIARY: North American Exp.  
STATE: Nevada COUNTY: Mineral DATE OF VISIT: Jan. 13, 1970  
TOWNSHIP: T 9N RANGE: R 31E TOPO MAP: Walker Lake 1/250 000  
NEAREST TOWN: Hawthorn ROAD: Excellent, gravel POWER LINE: 6 Miles WATER: 6 Miles  
NUMBER OF CLAIMS: 116 PATENTED: No UNPATENTED: Yes (Thorn)

GEOLOGIC and/or MINING PUBLICATIONS :			None		Mine		Showings	
Date:	Operator:	Scale:	Production:	Grade	Nature	Grade		
			None	--	Azurite			
					Malachite		?	
							Est. +1%	

GEOLOGICAL SETTING : - Regional Description, host rocks:  
Excelsior form (Triassic) felsic volcanics + clastics, some tuff.  
Breccia Zone of Malachite bearing Silicified (Rhyolite?).  
- Intrusive rocks related to the ore: Quartz Monzonite Porphyry, Quartz Monzonite.  
- Alterations: Pyriteization, Argillic Alt., Sericitization Silicification

Mineralizations : Type: Malachite, Minor Cinnabar, Silver, Pyrite, Pyrrhotite  
Hypogene: Supergene: Malachite

## Evaluation

## Favorable Elements:

Silicified  
Breccia Zone with Malachite  
Alteration - Pyritization, Argillic Alt Etc.

## Unfavorable Elements:

## LEGAL STATUS

Land Status: 116 Valid Claims  
Extensions and neighbors: Unknown

## Type of Agreement requested

## Option

\$300/Mo. for First Year  
\$600/Mo. for Second Year

## End Price

\$1,000,000.00

## EVALUATION OF SUBJECT

Size of Subject		Probability of discovery
Tonnage	Grade	
20,000,000 + tons	1%+ Copper	Good

## Remarks:

Recommend short option period  
for recon mapping and rock  
samples



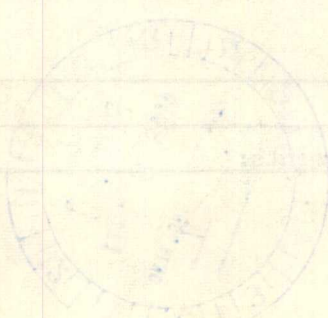
Copper-Moly

Owner: Ken, Palosky  
County: Mineral  
Date of Visit: Jan. 12, 1970  
To: Van Wazer Lake 1/250-000  
Gravel: Excellent  
Gravel: 6 Miles  
(Thorn)

Production Grade: None  
Assay: Melachite  
Best: 41%

Produce Zone of Melachite bearing Silicified (Rhynchonella?).  
Fossiliferous (Triassic) fossil volcanics + clastics, some  
full.

Alteration - Pyritic, Argillitic, Sericitic, Silicification  
Pyritic, Argillitic, Sericitic, Silicification  
Minor Cinnabar, Silver, Pyrite, Pyrrhotite  
Melachite



Valid Claims  
Unknown

For First Year  
For Second Year  
\$1,000,000.00

Recommend short option period  
for recent machine and rock  
samples

