1870 000 TIMING

Red Hills (71-16) The property, located 12 miles east of Hawthorne, Nevada, consists of altered quartz-monzonite porphyry intruded into volcanics of the Excelsior Formation. Malachite, limonite and pyrite are present in both the intruded rock and the host rock. The favorable aspects of the property are not very outstanding, but the possible size and the presence of alteration, mineralized rocks, and appropriate rock types warrant preliminary mapping before a final evaluation is made.

1870 0050

RED HILLS PROSPECT

Sections 27 & 28; T. 9N., R. 32E.
Minerals County, Nevada

Abs: The property, located 12 miles east of Hawthorne, Nevada, consists of altered quartz monzonite prophyry intruded into volcanics of the Excelsior Fm. Malachite, limonite, and pyrite are present in both the intruded rock and the host rock. The favorable aspects of the property are not very outstanding but the possibile size and the presence of alteration, mineralized rocks, and appropriate rock types warrent preliminary mapping before a final evaluation is made.

The property is located in the foothills south of the Gillis Range, northeast of Hawthorne, Nevada. Easy access is obtained by dirt road going north from U.S. Route 95, approximately 12 miles east of Hawthorne.

The property is located in the Excelsior Fm. (Triassic). These are acid and intermediate volcanics and pyroclastics. Scattered small outcrops of altered quartz monzonite porphyry are exposed in bulldozed trenches.

Malachite, limonite, and pyrite are present on the property. The malachite occurs as coating along fractures and as interstitial grains to a far lesser extent. Limonite is present as stain or joint surfaces and in blebs. Minor amounts of pyrite occurs in small grains. None of these minerals are restricted to a particular rock type.

In some bulldozer trenches, a grey altered quartz monzonite porphyry occurs. It is composed of a very fine grained quartz feldspar ground mass with plagioclase phenocrysts. The plagioclase grains which are large enough to be easily observed are partially altered to clay. The rock is shattered and lined with quartz veinlets varying from hairline size to $\frac{1}{4}$" across. Malachite staining occurs on joint surfaces in some outcrops.

The property may be looked at as two prospects approximately 1½ miles apart. In the westerly area, bulldozer trenches reveal the quartz monzonite outcrops and malachite shows. The malachite is light but widely distributed. In the easterly area, there is a 240' tunnel and a set of old workings in addition to the trenches. The tunnel is in acid volcanics and shows malachite staining and some pyrite. Near the tunnel but not intersecting it is an outcrop of the porphyry. The old workings are not included in the Mineral County records, so detailed information is not available. A shaft and adit are located on an intermediate volcanics/granite contact. Quartz veins were worked, probably for silver. The workings were not entered. In other respects, the two prospects are similar.

It is a good possibility that the two prospects are the ends of a continuous zone. If so, the size of the area, the presence of copper mineralization, and the presence of altered quartz monzonite outcrops indicate that this area is a suitable exploration possibility. None of the above mentioned elements are especially outstanding, so the project should rate a lower priority until preliminary work is completed.

I would recommend a reconnaissance mapping program as the first step to an exploration program. This should indicate the size and type of intrusion, the continuity of the mineralized rocks, and the overall dimensions of the favorable ground. This step would require two work weeks for a geologist and helper.

Roland Connors

Date: 2/12/71 Roland Connors, Geologist

L.C.L.

GEOLOGICAL ABSTRACT OF MINING PROPERTIES

METALS Copper

NAME: Red Hills
OWNER: Ken Palosky
INTERMEDIARY : No, AM. EXPLORATION
STATE: Nevada
COUNTY: Mineral
DATE OF VISIT: Feb. 3, 1971
TOWNSHIP: T 9N
RANGE: R 32E
TOPO MAP: Walker Lake 1/250 000
NEAREST TOWN: Hawthorne
ROAD: Poor gravel
POWER LINE:
WATER:
NUMBER OF CLAIMS: 116
PATENTED:
UNPATENTED: 116

GEOLOGIC and/or MINING PUBLICATIONS :

Date:	Operator:	Scale:	Mine: Production	Mine: Grade	Showings: Nature	Showings: Grade
NONE						

GEOLOGICAL SETTING

- Regional Description, host rocks: Pyroclastics and Volcanics of the Excelsior Fm.

- Intrusive rocks related to the ore: Quartz Monzonite Porphyry
- Alterations: Silicification and Argillitization in QMP

Mineralizations — Type: Malachite

Hypogene:

Supergene:

Evaluation

Favorable Elements:	Unfavorable Elements:
Canadian Aero - I.P. Survey	LOW GRADE SHOWINGS
SIZE	

LEGAL STATUS

Land Status: VALID CLAIMS

Extensions and neigbors: NONE

Type of Agreement requested

Option	End Price
$300/Mo. First Year	$1,000.000.00
	SUBJECT TO LATER REVIEW

EVALUATION OF SUBJECT

Size of Subject: Tonnage	Size of Subject: Grade	Probability of discovery
LARGE	LOW	?

Remarks:

ALL REQUIREMENTS FOR POTENTIALLY GOOD DEPOSIT ARE PRESENT


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PARNASSE CO., INC.
Letter No. 2321