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Report on the Mining Claims  
presented by L. C. Darby.

5370 0003

182  
Item 3

Date of Investigation: July 20 and 21, 1945 (field).

Claims: Two Groups:

PPA  
MAP

- a. Horse Shoe; Horse Shoe, Horseshoe 1 and Horseshoe 2.
- b. Lead Reserve.

Location of Claims

Horse Shoe group. 29 miles south of Yerington Lyons County, Nevada, approximately in Sec 5, T. 9 N., R. 27 E. Approached by road to Webster Flat and little traveled road to east (post on east side of main road) at north end of Webster Flat. This road to east may be located on the Wellington Topographic as the being the one drawn to the east margin at Latitude 39° 40' north. A small X appears on sheet 2 of the General Highway map, Lyon County, Nevada to indicate the location of the claims. These claims are in the Cambridge mining district, about 2.5 miles airline south from the Cambridge Mine.

Lead Reserve: Based on compass bearings taken to Bald Mountain and Yerington this claim is in Section 11, T 13 N., R 27 E Mineral County, Nevada, in what is known as the Mountain View or Granite mining district. The claim is ~~2~~ miles east of Yerington on the west slope of the and at the south end of the Wasatch Range, near the summit of the range.

Accessibility:

- a. It is possible to drive an automobile within 300 feet of the main workings on the Horse Shoe claims.
- b. ~~The Lead Reserve can be approached~~  
~~It is possible to~~  
The nearest approach to the Lead Reserve by automobile is a point 28 miles from Yerington on the old Reese River Canyon Road (Yerington - Shurz and now blocked). The remaining distance must be traveled by foot.

⑦ Ownership. a. The Horse Shoe Group is owned by the following.

Ira Fallore, Fallore, Nevada.  
P. B. Mapes, Yerington, Nevada  
Mrs. Geo. Plumer, " "

Ownership based on ~~last~~ date location  
dated Nov. 30, 1928.

L. C. Darby has no interest in property other  
than that commission resulting from a sale  
as a result of his efforts.

b. Lead Reserve: a relocation of an abandoned  
prospect. Relocation reported to be as of July 12,  
1945, by L. C. Darby.

From Nature of deposits: a. Horse shoe, Gold and Silver.  
b. Lead-Silver, (Lead Reserve).

Geology: a. Quartzite intruded by <sup>an</sup> andesite (?) ~~dyke~~ dyke.  
Vein closely related to hot spring (epithermal)  
action based on presence of ~~near~~ apatite in  
vein which appears to have developed parallel  
to bedding in quartzite. The vein <sup>appears</sup> ~~is composed~~ of <sup>small</sup> ~~large~~ <sup>yellowish</sup> ~~white~~ <sup>apatite</sup> ~~crystals~~  
~~as a result of the dyke, as~~ <sup>as</sup> ~~feeder~~ <sup>of</sup> ~~andesite~~  
similar found on the surface as small  
bill-like intrusions of andesite occur in the crusted  
hanging wall of ~~the~~ parallel to the ~~opp~~ strike of the vein.

The vein was reported to be 8 feet wide but actual  
measurements indicate a maximum width of  
12.7 feet. There is doubt that mineralization  
will continue below the junction of the vein and  
dyke.

A sketch map is attached to show the nature  
of the workings ~~and~~, position of the vein and  
other facts of interest. Strike of vein N9°E dip 35°E.

Samples. The vein is best exposed in an east crosscut  
and at this point working face samples were taken.  
1. L.W. 5.5' west of face, across 2.8' vein.  
2. R.W. 3.0' " " " 2.5' "  
3. R.W. 5.0' " " " 1.8'  
Crushed quartzite foot wall.  
4. Face of Crosscut 3' of Hanging wall.

These samples were taken for the reason Mr. Darby  
claimed all of this material was sampled and  
the assayer reported it to have a value of \$1400 per ton.  
mainly gold.

3. A sample, #5, was taken from the dump <sup>on</sup> account of the <sup>(3)</sup>  
it was reported to be valued at \$2,000.00.

Remarks: With the exception of the tunnel work, little could  
be learned from the 6 surface cut apparently  
along the strike of the vein as they would  
have to be cleaned out. Mr. Mapes is probably the  
last one to have done any work on the claim.  
Darby has done none and it is doubtful if he knows  
where to begin. If the above samples show any  
gold and silver, ~~then~~ it is possible that a couple  
of leasers might operate it. The ore would have to be  
shipped to a custom mill, the nearest being at  
Silver City, Nevada. The property could not be operated by  
a company and the samples should indicate the  
presence of gold and silver in amounts so that the  
gross value of the ore would be in excess of \$15<sup>00</sup> per ton.  
to be of interest to leasers.

b. Lead Reserve.

prospect.

This is most disappointing. The claim is presently  
developed by three tunnels near the apex of a  
narrow ridge at most not more than 200' wide  
at the elevation of the upper tunnel where the best  
showing occurs.

At the portal of the upper tunnel, a  
galena-bearing quartz vein appears in ~~the~~ the  
back of the tunnel along the right wall. At the portal  
(upper tunnel) this vein is about 24" wide; 10-12 feet from the  
portal it pinches to a seam. At the face of this  
tunnel and possibly 1500-20 feet back from the face  
along the left wall a 12" to 14" crushed and lightly  
oxidized violet cone can be observed. A few fissures partially  
filled with cellular limonite were observed in the vein  
and provide the bases for considering it to be the vein.

The middle tunnel, in which the greatest amount of  
work has been done, <sup>disaggregates</sup> across a  
<sup>cut out</sup> crushed quartz vein about  
24" wide. This was highly oxidized and pinched out at  
the floor of the tunnel (crosscut). It is highly oxidized.

Due to the small width of possible vein material  
exposed in the workings, and the inaccessible <sup>location</sup>  
of the claim no samples were taken. ~~It is doubtful~~  
~~if~~ This deposit could not be operated at a profit.

Remarks: There are a few pounds of 20-25% lead ore <sup>on the dump</sup> at the  
portal of the middle tunnel, and the prospect has  
been grossly misrepresented.

A small sample was taken from a cropping 300 ft south-  
west of the above workings to be assayed for Au and Ag, ~~but~~ <sup>but</sup> it did not yield

R.W.P

as an accomodation to at and at the request of  
C.L. Darby. It is doubtful if the assay will show it to be  
of any value.

R.N. Prince July 25, 1945

WALTER S. PALMER, DIRECTOR  
VINCENT P. GIANELLA, GEOLOGIST  
WILLIAM I. SMYTH, ANALYST

UNIVERSITY OF NEVADA  
STATE ANALYTICAL  
MINING LABORATORY

No. 3853

Reno, Nevada

July 28, 1945

Mr. Robert W. Prince

Nevada State Bureau of Mines, Reno, Nev.

Report on sample or specimen received from you on \_\_\_\_\_, is as follows:

Number	MINERALS OR ROCK	Ounces Per Ton	
		Gold	Silver
1.		0.35	4.5
2.		0.295	2.6
3.		0.03	1.0
4.		0.005	0.2
5.		0.02	0.2
LR 1	Horse Shoe Clusters	0.015	0.1
RWP 1	Darby's Lead Reserve	0.01	0.4 Copper 2.0%

*W S Palmer*

Director.

The Laboratory very often receives a letter which does not state definitely what is desired on a given sample or we may misunderstand a request, therefore in case we have not made the determination you desire or you wish further information regarding these samples, please write within a month, and refer to the number of this report.

The State Analytical Mining Laboratory makes free determinations of Nevada ores and minerals only for citizens of the State, on Nevada samples. As satisfactory assays cannot be made on very small single piece specimens, no gold or silver assays are run on specimens under three ounces in weight unless special conditions are shown to prevail. Assays below 20 cents per ton are reported as traces or none.

Please address samples and communications to State Analytical Mining Laboratory, University of Nevada, Reno, Nevada, and be sure to put your name on your packages; this is often not done and we are unable to return reports and are accused of throwing the samples away.

John A. Baker, Yerington Nevada.  
Lyon County Treasurer's office.

1. Diatomite. Wabushka:

Deposit idle no one presently interested.

Briefly investigated by company from Basalt.

Requested or suggested the owner should do some exploration work to show the nature of the deposit.

2. Group of Copper Claims: Mason Pass Mining District.

21 claims, Four Crows 1-7, Cuprite 1-3, Black  
Copper, Black Copper 1 and 2, and Martha Washington.

*Yerington* Owners: Charles H. Milam, H. J. Shaw, Francis F. Haire  
and J. A. Baker.

Investigated by U. S. Bur. Mines.

3. Gravity Group: Barite: 3 claims, 4,11 Ap. Gr. Barite.

Knowland-Rand Mining District, Mineral Co.

Require 3 1/4 mile of road. Six miles from Knowland.

Locally known as Wilson property.

Owners: F. F. Haire, H. J. Shaw and J. A. Shaw.

Tom Miller considered construction of access road to deposit.

4. Columbia Lead-Zinc Claims, 3. Year old camp of Buckley  
Glas Range, Mineral County. Report Ag \$4.00 per ton.  
4 miles from Knowland.

H. J. Shaw and J. A. Baker owners.

5. Gold Claims: St. Charles, Marigold, Nevada Boy and Big Shot.

*All* lode claims. In Pine Nut Range near Artesia  
veins in granite diorite. Some litharge drite in ore.  
a small shipment made netting \$30<sup>00</sup> made by  
Baker. Vein reported to be 4-6' wide. Developed by  
50' tunnels.

L. J. Petwood and J. A. Baker Owners.

6. Board Placer: 400 acres partially explored: 10 drill holes

— 10 to 76' deep. (50 acres). Report average value  
of \$10<sup>00</sup> per yd. which is that for one hole only.  
Average 20<sup>00</sup>. Drill logs available. Investigated  
by Dayton Dredging Co also Natomas. Near  
old Ambassador Placer and Artesia.

Judge Guild and J. A. Baker Owner.

7. Pyrophillite Claims :. Admural and Col. Muscoatch  
Developed by 30' shaft. Has been investigated  
by Commercial Minerals Co.

310- Irving Street, San Francisco.  
Pyrophillite not suitable for their uses probably  
on account of percentage of grit (quartz grains)  
in the final product.

| Mr Baker wishes to bring these claims to  
Mr J A. Carpenter's attention in the hope that  
he may know someone that may be interested  
in them.

RW Prince July 25, 1945

# Lloyd Nevada-Mica Co.

Proposed muscovite mining operation in the  
Ruby Mountains, Nevada. To commence work  
about August 1<sup>st</sup> 1945.

Object: To mine large books of muscovite suitable  
for cutting for mica insulation and, to  
produce ground mica products from the  
mica not suitable for insulation purposes.

Company: This company is managed by Mr. J.W. Lloyd  
and Mr. G.A. Lloyd whose present place of  
business is: Nevada Mica Company,  
8760 - So. Main Street, Los Angeles, Calif.

The complete operation will be under the direction  
of Mr. J. W. Lloyd who is represented as knowing  
all about mica mining and processing and,  
and also all that is to be known about gold,  
silver, copper etc mining and milling.

Mr. James K. Howell,  
5616 Maywood Ave., } informant  
Maywood, California. } source of information.

is interested in the mining claims as well  
as the mining and processing of the mica.

Mr. James K. Howell, formerly an independent  
oil dealer, is presently employed by the U.S.  
Spring and Bumper Co. of Los Angeles. He does  
not appear to know too much about this  
proposed operation.

## Mining Claims:

The muscovite mica will be obtained from  
a group of claims reported (J. K. Howell) to be in  
Ruby Valley (above Ruby Hills) one of which is  
known as the Kennedy. The names  
of the other claims not known to Mr. Howell.

Plan of Operation: The large books of mica suitable for cutting  
and splitting will be shipped to Los Angeles where  
that will be done under the supervision of Mr. J.A.  
Lloyd (father of J.W.L.). The smaller books not suitable  
for that will be processed in a mill, also located to be  
constructed near the mine, which will be equipped to grind,  
concentrate and classify the grinding mill products  
the mica.

Notes: See specifications of following companies applying to ground muscovite  
products.

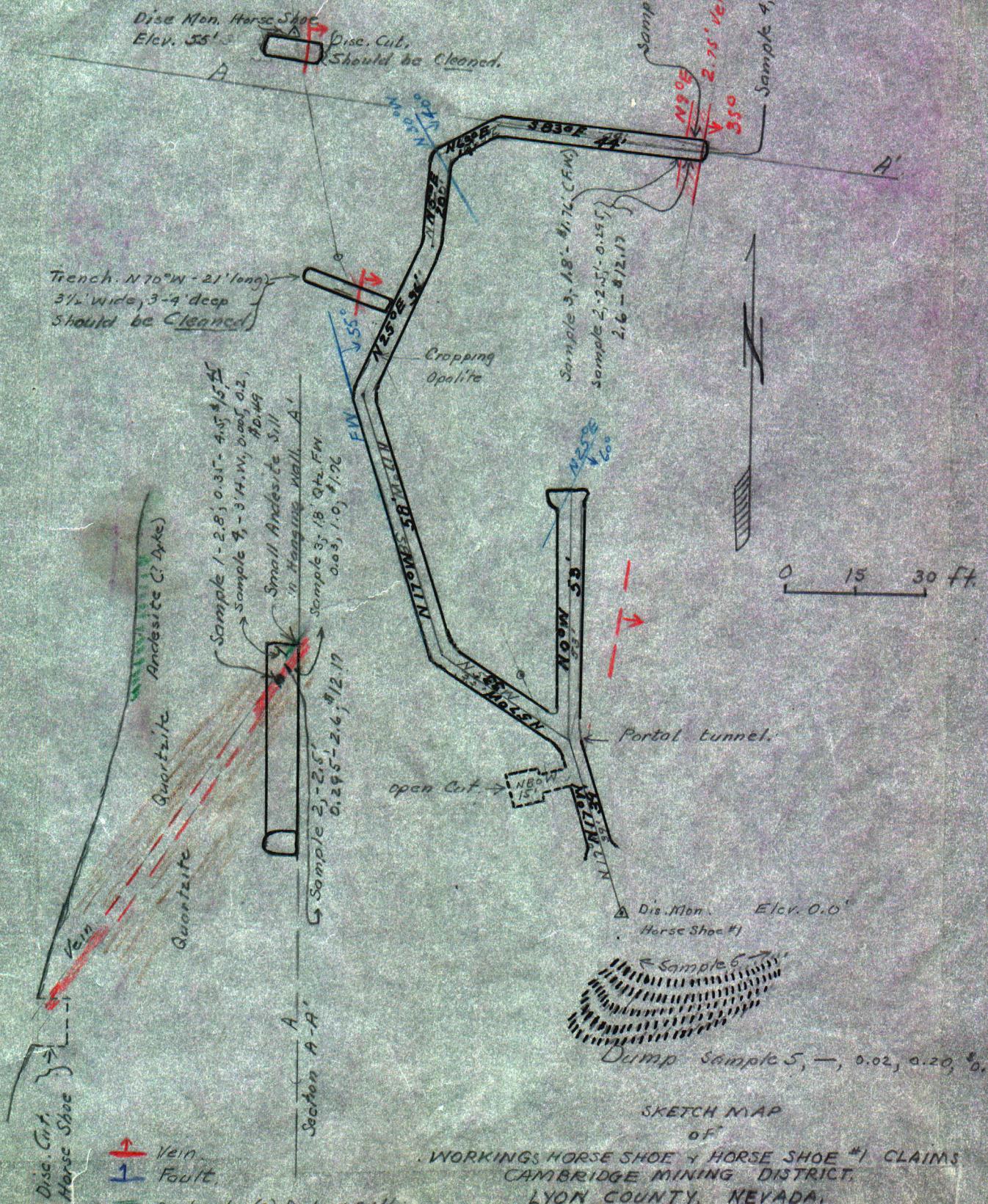
- Notes continued
- by R.W.P.
1. Firestone Tire and Rubber Co. (synthetic rubber)
  2. Fluctocet Company. (Paper products)
  3. O.A. Smith
  4. Westinghouse Electric & Mfg Co Welding rod.
  5. General Paint Co. (Paint and wallpaper)
  6. ~~Peterson Products~~ (Paper and paper products)
  7. Ruberoil Company. Chemical Jobbers.

Fire stone Tire specifications most rigid, 98% - 300 mesh.  
 Price \$70<sup>00</sup> ton. (Free quartz particles must be a minimum)  
 O.A. Smith buys on chemical analyses as well as screen analysis.  
 Dry ground mica must weigh 16 to 18 lbs. per cu ft of which  
 makes it necessary to remove the quartz to make the weight limit.

Mr. James K. Howell gave the above information  
 excepting notes on company specifications, Contacted  
 at Fernley Nevada, July 20<sup>th</sup> 1945.

R.W. Prince. (July 26, 1945)

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182  
item 3



SKETCH MAP  
OF

WORKERS HORSE SHOE & HORSE SHOE #1 CLAIMS  
CAMBRIDGE MINING DISTRICT.  
LYON COUNTY, NEVADA.

Presented by L.C. Darby.

by Nev. State Bur. Mines July 22, 1945