

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

MEMORANDUM REPORT

Mammoth Lode (Cu)

Visited the Mammoth Lode copper mine on August 15, 1957 in company of Jean W. Pressler.

Owner: Fred Walther, Jacksonville.

Geology, etc.: About 13 tons of low grade copper ore were piled outside the portal.

Amphibole gneiss outcropping near the portal of the tunnel strikes N. 45° E. and dips 42° S.E. A pegmatite dike 18 inches thick is exposed above the portal and in the drift lying parallel to the foliation of the gneiss. The ore is a sheared zone consisting of talc-chlorite schist containing lenses of mixed pyrite and chalcopyrite. The sulfides occur also as disseminated grains through the schist. The zone is about 4½ feet thick striking N. 45° E. and dipping 37° SE, parallel to the foliation in the gneiss.

The zone is also exposed in a dozer cut (125 feet long, 15 feet wide, and up to 3½ feet deep) located about 100 yards north of the portal and 150 feet higher on the hill. Where exposed in the cut, the zone is from 1 to 3 feet thick.

Assays: Two samples were taken at the time of this visit. An inverted U-shaped, 12-foot chip sample across the walls and back of the small raise off the left-hand drift (P-21772, RG-379) assayed trace-Au, Nil-Ag and 0.50% Cu. A 4½-foot chip sample across the vein in the back of the right-hand drift (P-21773, RG-380) assayed 0.02 oz/ton Au, 0.30 oz/ton Ag, and 3.50% Cu. Both samples were described as talc-chlorite schist with chalcopyrite and pyrite.

Report by: Len Ramp 11/4/57.

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SUMMARY OF ASSAYS ON MAMMOTH LORE MINE

Jackson County, Ore.

Aug. 28, 1956 Northwest Testing Laboratories
Portland 12, Oregon
For George Earnshaw
Kingman, Arizona
Cert. # 32676 - Sample #1 - Copper 2.70%
32677 - " #2 - " 7.43%

Nov. 3, 1955 San Joaquin Research Laboratory
Stockton 4, Oregon
For Orser's Uranium Equip't.
Modesto, Calif.
#47616 - Copper 5.74% Gold 0.04 OPT Ag Tr.

Aug. 19, 1957 Lull's Testing Laboratory
Gold Hill, Oregon
For W. P. Garrison
- Copper Ore - Platinum 1.20 OPT \$114.00

Aug. 16, 1956 American Smelting & Refining Co.,
Selby Works
San Francisco, Calif.
For Garrison, Meinhart & Wright
Modesto, Calif.
"Sample delivered to Selby plant for Aug. 8 Assay"
Gold 0.0
Silver 0.5
Lead 0.0
Copper 4.3

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From: E. S. Peer
117 So. Main
Los Angeles, Cal.

Summary of Car of Raw Ore shipped from Banfield Mine
to Tacoma, Wash. Smelter, Settlement Sept. 24, 1929:

Smelter Lot 2403

Car: 401899

Net weight 104,200#

Less 5% moisture 5,262#

Net Dry Weight 98,938# - 49,469 tons @ 17.89 885.00
Less Freight 200.59

Check 684.41

Gold 0.01; Silver 0.38; Copper 197.4 # p t less 20#

177.4 lbs @ 11.775 20.89

Less Treatment 3.00

Per ton price del'd 17.89

Sample taken in 1935 by S.E.C. Corp. Engineer:

The arithmetical average of 30 samples taken in the different tunnels and include both ore and waste, was:

Copper 6.35 Gold 0.06 Silver 1.38 oz p t.

Average of all samples in ore weighted to measured distance of samples was: Copper 10.65; Gold 0.07; Silver 1.7 oz per ton.

Ore is copper sulphite and Chalcopyrite, one of the Chutes carrying excellent Boronite. The low grade ore concentrates about 13 tons into one, with an extraction of about 85% to 90%. These ores contain Iron and Lime sufficient to form their own flux. The entire ore bearing part will average 4% copper. Copper assayed from a high of 12.5% in tunnel #1, down to 2.7% in Dump tunnel #1, with low values gold and silver.

Above from engineering reports in possession of E.S.Peer; sources believed to be reliable, but accuracy not guaranteed.

The combination of Rowley and Banfield tonnage should provide a substantial ore body sufficient for a milling operation to utilize satisfactorily the ores in the Richter Mountain area, which would also include the nearby Mammoth Lode (copper) mine.

E&OE.

COPY.

WORLD INDUSTRIES

Confidential Negotiators

Expert and Import

92 Liberty Street,

N.Y.C.

Our property is a Smelter Proposition. A Small Smelter can be installed on the Property. There is no Coke available, but, an electric smelter could be installed as a high power line passes our mine only 1 3/4 miles away.

An abundance of mine labor is available in Oregon from \$3.50 to \$4.00 per eight hour day for miners, and smelter men. A concentrating plant could also be installed at the mine instead of a smelter if so desired. The ore will concentrate about 7 1/2 tons into one, and the concentrates shipped to the Selby Smelter here or across the Bay in San Francisco at a cost of \$9.50 per ton, or, shipped to Tacoma Wash. smelter as the price would be about the same for the freight per ton whether shipped to the Selby or Tacoma, Washington, smelting plants.

Our full price for this mine on time terms is \$50,000. Ample time will be given to examine and sample property before making any cash down payment. However, at the end of 60 days, after these examinations, if they then approved of the mine, and decided to take it over a cash down payment of \$10,000.00 would have to be paid on the mine, balance due every six months apart to be paid in equal instalments until above price has been paid in full.

If wanted for cash, our price is then \$35,000 payable one half cash down, and in 60 days, if approved and accepted after the examinations balance due at the end of one year in two equal payments of six months apart.

If interested we would appreciate it, if you would send out a mining engineer, and make an examination of the mine as soon as you can.

RE: OUR OREGON MAMMOTH COPPER, GOLD AND SILVER PROPERTY, LODE QUARTZ MINE.

C O P Y

MAMMOTH MINE - ELEVATION 3,000 Ft.

LOCATION:- This Property is situated in the Southwest Corner of Josephine County Oregon, in Range 9, West Township, 41 South in Sections. 10 - 15 - 16, This Property is shown on the Siskiyou Forest Map, as the Albright and Webb Property, the South end of the Property Borders on the Calif Line and is Situated about 1-3/4 of a Mile from the Redwood Highway, Motor Car Roads from the Highway to the Mine, which is 48 Miles Distance from Grants Pass, Oregon.

FORMATION:- The Surface is covered by Large Bunches of Gossan, Ore some of it is 300 feet in Width, this is Supposed to Attain a depth of 60' feet General Average Samples, taken on the North Side, over a Width of 60' shows this Gossan Ore, to Average from \$4.00 to \$7.00 per Ton at Old Gold Prices, Approximate Ore, Tonnage in Sight, is 425,500 Tons of Gossan Ore, This can be Mined by Power Shovel, if desired at a Cost for Mining and, Milling not to Exceed \$1.20 per Ton

AREA OF THE PROPERTY:- This Mine consists of Eleven Full Mining Claims, with the Assessment work done for this Year, up to July, 1940, as the Property is Held under Location,

(DEVELOPMENT WORK)

VEINS:- There are Two Veins on the Property, One is a 20 ft, Vein the Other a 50 ft, Vein which has Three Tunnels, in on the Vein, NUMBER ONE TUNNEL, Is run in 252 ft, with a Gossan Covering over it of 60' in Depth this Ore, in this Tunnel will average \$2.75 in Gold and Two ounces of Silver, and 6.4% Copper to the Ton, with the Values of the Gold Estimated at \$20.67 per ounce.

NUMBER TWO TUNNEL;- Is run in 168 ft, and is 65' Lower than, TUNNEL NUMBER ONE. The average Assay Values in this Tunnel are \$4.20 in Gold and Two Ounces of Silver, and 4.30% Copper to the Ton Gold Values also Estimated at Old Gold Prices, This Tunnel Crosscuts the Vein 57, feet.

NUMBER THREE TUNNEL;- Is run in 232 ft, and is 65 feet Lower than TUNNEL #2. you will NOTE; that all Gold Prices above Mentioned are taken from Gold at the Old Price. but in this Tunnel, the Average Values are \$12.25 in Gold, New Price of Gold, and Two Ounces of Silver to the Ton, No Assays for Copper was Made,

NUMBER FOUR TUNNEL;- Is to the North of Tunnel, Number Three this Is run in 420 ft, and Crosscuts a 20 ft, Vein of Sulphide Ore. Average Assay Values are from \$4.00 to \$6.00 per Ton in Gold and Copper Values Estimated from Old Gold Prices, The Tunnels of this Mine are all in good Condition, and are Open and is Ready for Immediate Sampling, the Two Veins, are about 250ft, Apart.

C O P Y

OREGON MAMMOTH MINE CONTINUED PAGE #2.

GEOLOGY:-The Hanging Wall is Serpentine, The Footwall is in Diorite and a Diabase Rock.

CLIMATIC CONDITIONS:- Are favorable for Year around Operations, Snow Seldom Covers the Ground, and when it does it Generally y Disappears in a Few Days time, yet the Rainfall is Abundant during the Winter Minths,

WATER:- Is Ample and in abundance, for year around Operations, as it can be obtained from a Creek in the Canyon, close by and if a Small Dam, and a Pelton Wheel were Installed, Electric Hydro Power could be Generated right at the Mine, there Exist also Several good Open Springs close to the Mine,

TIMBER:- Abundance of Fir, and Pine Timber, is Available on This Property, Suitable for Lumber, for Buildings, Fuel, Etc,

CONCLUSION:- A New Tunnel, should be Driven to Crosscut the 50, Ft. Vein 450 feet in Lenght, it will Attain a Depth when Completed of around 415 feet Lower than thepresent Old Workings this can be put in at a Cost not to Exceed \$3,000 which when Completed will gove Approximately 600 feet of Backs by Completing this Lower Tunnel on the South Side and Steping out the Two Veins This Mine should Develop an Ore, Tonnage of Approximately, 4,000,000 Tons of Ore, Figuring in the Top Gossan Ores,

I do not Hesitate to Recommend this Mine, to any Large Operating Mining Company,

Respectfully Submitted,

R. A. LeRoy, Engineer of Mines,

SIGNED: R. A. LeRoy, E. M.