

Copy

Charles Scott Haley
1947 Yosemite Road
Berkeley, California

40° 13' N, 121° 14' W

May 31, 1936

Mr. Albert McKay
San Francisco, Calif.

Plumas Co.

Dear Sir:

Following is a resume of the facts concerning the manganese property owned jointly by McMillan et al.

The property consists of about ten claims situated some three miles from the Western Pacific at Almanor in Plumas County. It is reached by an excellent graded road from Greenville, also, which is about seven miles long. There is ample timber on the ground for all mining and construction purposes; and power is closely available from the P. G. & E. Water is also available for flotation if desired.

This property occupies a unique position from a geological standpoint. Harder, considered the leading manganese authority, states that California manganese ores are confined to the Franciscan formation and are low grade and spotty. He also states that the leading manganese producers are in the Silurian, Ordovician and Devonian formations. It so happens that this property is located on the only area of Silurian and Ordovician to be found in Northern California. For this reason, it gives especial promise.

The ore body itself is wide and would permit of shovel operation. It can be followed through continuously for several thousand feet. It varies in width on the surface from 20 to 200 feet. It is siliceous in character and contains iron. Off hand, and without analysis, my estimate of its manganese content ran from 5 to 50 per cent. This was later checked by the engineer for the U. S. Steel, who got samples showing values ranging from 10.4 per cent -- the lowest -- through 20.8 per cent and 26 per cent, up to 56.2 per cent manganese -- with no zinc whatever; and low content in sulphur and phosphorous.

The elevation of this property is approximately 5500 feet. The ore could be shoveled into trucks and hauled into Greenville or Almanor over good roads. There is considerable high grade manganese ore, due to leaching, which could be sorted out. It can be drilled very readily and worked at practically any time of the year, with proper provision for handling. Good freight rates can be obtained from the Western Pacific; and it is probable that a base rate of not over five or six dollars per ton can be made to Los Angeles; and about two dollars to San Francisco; as the rate to Ironton, Utah, is only four dollars per ton.

This is undoubtedly the best manganese property in the state of California.

Very truly yours,

(Signed) Charles Scott Haley

Provo, Utah
October 10, 1932

Mr. C. T. Neighley, Gen. Supt.
Ironton Plant

Dear Sir: REPORT OF INSPECTION OF MANGANESE CLAIMS
 SENECA, PLUMAS COUNTY, CALIFORNIA

I inspected this property on October 5 and 6, 1932, and found that the property consists of six lode claims located approximately 7 miles northwest from Greenville, Calif. to Klamath Falls, Oregon. Greenville is located approximately 17 miles northwest of Keddie, Calif., Keddie being located on the main line of the North Western Pacific Railroad.

Leaving Greenville, Calif. we traversed a new forestry road recently completed (this summer) for approximately 7 miles, rising in elevation approximately 1,500 feet from Greenville. Approximately 7 miles from this new forestry road I found the first outcropping on this property. The first outcropping I sampled as per sample No. 1, the sample being an average of the ledge which was approximately 300 feet wide and 500 feet long. This sample was taken from the surface as but very little work had been done at this point -- the work consisting of a small, open trench dug to represent the assessment work for the year 1932. This ore is in a quartz ledge and contains considerable jasper. Sample No. 1 was taken from a location about in the center of Sunset Claim No. 1 and analysed as follows:

Mn	--	20.8
S	---	.02
Zn	--	None
P	---	.05

Leaving this ledge and going approximately 1,500 feet west to Sunset Claim No. 2, I obtained sample No. 2. The ledge outcropping at this point again, is approximately 150 feet wide and 500 feet long. Sample No. 2 was obtained from an open cut on this ledge where work has been done, apparently for assessment work, the analysis of this sample being shown below:

Mn	--	10.4%
S	---	.02
Zn	--	None
P	---	.05

Mr. C. T. Weighley, Gen. Supt.
Ironton Plant
10/10/32 -- Page 2

A distance out of this point -- about 2,000 feet -- where No. 2 sample was taken there is a nice spring of water, the spring being located on Sunset Claim No. 7.

Continuing along this ledge approximately 600 feet west, I obtained sample No. 3. This ledge was covered from erosion in some places and was not entirely visible, but I am satisfied it connects with the lower ledge. The outcropping at this point is not as wide nor has it the length of the ledge below, but it does have a good showing of ore. There has been considerable work done at this point. An old tunnel which has caved in and the roof exposed in several places apparently indicated that some ore was shipped from this point in early days. Sample No. 3 was taken from an open cut above the tunnel, on Sunset Claim No. 3. There were no indications of work having been done here for a good many years. This sample has the following analysis:

Mn	--	26.0%
S	--	.02
Zn	--	None
P	--	.08

The strata of the country dips to the west, and Claims No. 4, 5 and 6 join Claims No. 1, 2 and 3 to the west, but no outcroppings appear on Claims No. 4, 5 and 6 that I could find. This property is located on top of a mountain west of Greenville, California, and the outcroppings protrude above the surface approximately 25 to 30 feet.

From an open cut on Sunset Claim No. 3, I obtained Sample No. 4, analysing as follows:

Mn	--	56.2%
S	--	.05
Zn	--	None
P	--	.05

The elevation of this property above sea level is approximately 5,500 feet. In general, the property looks very good from a mining standpoint, as it could be worked from the open quarry system of mining. The trucking of the ore to the railroad at Greenville (approximately 7.7 miles) would be over the new forestry road which is on a good compensated grade, and well graded, making it possible for them to haul a good tonnage -- it being all down hill. The property is located in a very heavily timbered country. Timber for mining purposes and ore bins would be available right on the property. Two photographs are enclosed, which will give an idea of the character of the outcroppings on this property.

(signed) J. D. Watson

Resident Engineer

