

GEORGE L. HOLMES

CONSULTING ENGINEER

24 CALIFORNIA STREET

SAN FRANCISCO, CALIFORNIA

July 17th., 1942.

Mr. George L. deMartini,
1234 Folsom Street,
San Francisco, California.

Dear Mr. de Martini:-

I hand you herewith my Report on the Tyrrell Manganese Mine, owned by you, and lying in Secs. 3, 9, and 10, in Township 37 South, Range 2 East, Lake Creek Mining District, Jackson County, Oregon, of which I have been making a study, together with adjacent deposits of a similar nature, for the past few weeks.

I recommend that the development and equipment of this property for production along the lines laid out in this Report be carried out at the earliest possible opportunity and believe that a very considerable tonnage of an excellent grade of manganese concentrate can be produced at this property and that this amount may be considerably augmented by the other deposits in the vicinity of your property, hauling the ore to the proposed mill for reduction and concentration.

It is to be understood that the making of estimates of cost of labor and equipment at the present time and under the war conditions and priorities, allocations etc. etc. is rather an uncertain proposition. My estimates are based on used equipment available at the present time but of course, with the new ruling regarding used equipment, which it seems is to be allocated by the authorities in Washington in place of being as it has previously been, available for any user, without let or hindrance, and the delays caused by filing applications and awaiting action thereon also make such work more costly. However, I believe that if prompt action may be had the work can be carried out for the sums estimated.

You are at liberty to use this Report for any legitimate purpose you may see fit before any of the Governmental Bureaus or Commissions to whom it is necessary to submit it in the furtherance of your plans for the operation of this property.

Yours very truly



COPY

May 26, 1942.

MEM

Mr. Virgil L. Demartini,
1234 Folsom Street,
San Francisco.

Dear Sir:

Herewith is a copy of Mr. Williams' report to me on the tests we have run on your samples of manganese ore, and you will see that rather good results were obtained.

It looks to us as though the thing to do would be to table your ore along the lines of our tests and let the table tailings collect and then later on perhaps some flotation can be done on these tailings to advantage.

We received a total of \$50.00 from you and have expended \$22.00 on assays, leaving a credit balance of \$28.00. As soon as we know that there is no more work or assaying to be done we will refund to you this balance.

Very truly yours,

EDWARD H. NUTTER

Chief Engineer.

COPY

May 26, 1942.

CFW:S

Mr. Edward H. Nutter,
Chief Engineer, Minerals Separation N. A. C.
San Francisco, California.

Dear Sir:

Re: TYRRELL PROPERTY
Near Lake Creek, Oregon.

We have received from Messrs. Virgil L. Demartini and George L. Holmes, of 1234 Folsom Street, and 24 California Street, respectively, San Francisco, California, two samples of manganese ore as follows:

Sample 1	Specimen of 248 grams weight	-	27.83% Mn.
Sample 2	20 lbs. weight	-	13.22% Mn.

Two laboratory tests were made on Sample 2. The first was a table-concentration test in which was made almost 60% recovery of the manganese in the form of a concentrate assaying 47.58% manganese. The second test was a combination flotation-table concentration test, the results of which showed no improvement over those of Test 1. As shown, flotation treatment did not result in substantial reduction of losses in the slime tailings.

While the amount of work done cannot be considered as other than preliminary in nature, on the basis of information obtained so far it is thought that immediate plans for plant might well be limited to equipment for table-concentration.

Yours very truly,

C. F. WILLIAMS

June 10, 1942.

EMB:S

Mr. Edward H. Nutter,
Chief Engineer, Minerals Separation N. A. C.
San Francisco, California.

Dear Sir:

Re: TYRBELL MANGANESE MINE.
Lake Creek, Oregon.

Herewith are the tabulated results of one table concentration test made on a small sample of manganese ore, marked second cut from north end of Outcrop, submitted to us by Mr. Virgil De Martini, 1254 Folsom Street, San Francisco.

This test shows that an overall recovery of 79.0% of the manganese, with a grade of 46.93% Mn, can be made on a 20-mesh feed. By the sizing of the rougher table concentrates a higher grade product was made.

It would be reasonable to expect that a substantial amount of the manganese could be recovered from the slime product on a large deck, special riffled slime table.

Flotation of the slime does not look very promising at the present time.

Yours very truly,

E. H. BROWN