

WISCONSIN MINE

MIDGE CREEK, B. C.
NELSON MINING DIVISION

Property File

082FSE 036

HEAD OFFICE:
c/o A. C. FROST & CO.
HENRY BUILDING
SEATTLE, WASH.

002603

POST OFFICE,

BAYONNE, B. C.,
CANADA

Ymir, B.C. Nov. 3. 1938.

Mr. Chas. C. Starr.
P.O. Box 514.
Vancouver, B.C.

Dear Mr. Starr:-

Re. Wisconsin Mine.

I just received a letter from Mr. A.C.Frost asking me to give you what information I could as outlined in a suggestion from Mr. F.R.Weekes.

I do not happen to have all the data with me here, however I have a few assay maps that were made up as progress maps for various months and where they overlapped the previous month no assays are shown the whole length has been mapped and assays plotted and I believe Mr. Frost is sending you a copy. These maps I am sending you do not show a 6 or 7 foot further advance in the North end to complete the years work for 1936 nor do they show assays for the South extension done in 1937, I have penciled in the extension as to length. Heavy sulphides were still showing in the face but values were very low, considerable oxidized material was appearing on the ~~foot~~ hanging wall of the vein together with granite in the hanging wall which appeared to be warping the vein into the foot wall area. The face of the South drift is at present only about 110 Or 120 ft. from the old surface shaft and only about 35 ft. lower^{so} we may expect some oxidation.

Perhaps the most interesting geological feature is in the North end where we found that although the granite had cut off the vein in its main strike the solutions had found a by-passing fracture around the nose of the granite and to again take up widths and values of commercial grade with approximately the normal strike, however some 20 feet before the end of the work the vein is split by a horse of waste with an increase of width of ore but lowering of values, although still of fair grade.

At present, indications are strong that this ore can be successfully treated by smelting using a furnace of 50 ton daily capacity up, and of course fluxes will be required, I have suggested that Silica and Lime rock can be mined with in the mine at a very moderate cost, I base my opinion as to this because certain portions of the vein contain more Quartz than the portion sampled for the smelting test, also there are narrow widths of Sulphides with low grade Quartz and disseminated sulphides alongside (example Sample # 160, 161 and #162 and 163) further there is a 5' width of Quartz in lol x cut~~#202~~ assaying 0.17 gold and 2.1 silver this quartz is seperated from the sulphide vein by about 3' of waste, I know nothing of its lateral extent. As for lime I do not know anything as to grade, but there is plenty of limestone shown within the present workings as well as in the lime stone area north east of the present workings

you will remember we did some trenching in this area just prior to your visit, and this is possibly a continuation of #4 tunnel vein, 2 long and deep cuts were put down on this vein, this spring, as assessment work, a width of over 20ft was shown and the vein had been subjected to the same leaching processes as other portions of the vein system, and of course the gold was low, about the same as at the old surface shaft but the silver was higher, good firm quartz was coming in also some sulphides when work was terminated. I believe that ^{possibilities of} this vein becoming an important source of ore ~~are~~ very good, being in the lime and if the ore as broken carried a fair content of CaO values need not be so very high to make a commercial ore with a smelter on the ground. There is also the possibility of mining a limey ore from a narrow vein some 60 feet in the hanging wall of the main vein, there are supposed to be two 1' stringers here which were cup by diamond drill and core records are 1' au 0.68 ag 4.88 with 3 or 4' of what is reported as lime and schist, then another 1' of ore au 0.29 ag 1.26, it occurred to me that one or both of these stringers might be mined by taking enough from the lime alongside to make a working width, at least if conditions are as reported it would be a possibility.

I think the best location for a small plant serving as a profitable production unit pending further development of the mine with the creation of ore reserves, as well as a pilot plant to completely work out all the bugs in the treatment especially those connected with the arsenic and sulphur question, should be located on the bench a little south east of the point selected by us as the site of the proposed tunnels #1 or #2 water could be had from the two springs by gravity both springs are located on your map, further mine water would be available for jacket water and granulating slag. As either of these tunnels could not be driven in time to supply ore for a furnace if installed next summer, I suggest the old shaft be deepened and connected up with the present 150 level.

Regarding water power, you no doubt recall Midge Creek as well as its tributary Hughes Creek, I have no doubt a plant located at or about the site of our old tent camp on Hughes Creek would supply all the Power needed for a moderate plant, while Midge Creek with a dam in the canyon could furnish several thousand H.P. the year around, however I believe that for a moderate requirement Diesel Power is indicated, this perhaps could be gone into later.

There is a very good account of the Wisconsin work up the the end of 1936 in the Dept. of Mines report for that year, by H. Sargent Govt District Engineer. there is also a cut of the ~~XXXXX~~ Drift plan with check assays by Sargent, I am sure this article would give you some authoritative information.

The truck road was completed to a point $6\frac{1}{2}$ miles from the lake with an additional $\frac{1}{2}$ mile partially built leaving $5\frac{1}{2}$ miles still to be built, I am estimating \$ 10,000 to complete this road and put the already built portion in shape, a couple of years washouts and gravel slides sure raise the devil with an unused road.

I do not know that there is anything further to write at this time, but if there is any information you think I can give you, do not hesitate to write me and I will do my best to give you an answer.

Yours Sincerely

J. W. McQuade