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STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

1069 STATE OFFICE BUILDING

PORTLAND 1, OREGON

Oct. 29, 1957

Mr. Hollis M. Dole
1069 State Office Building
Portland 1, Oregon

Dear Hollis:

Yesterday I visited Quartz Mountain with Roy Rannells. We drove within $\frac{1}{2}$ mile of the Lookout on Quartz Mountain on the new Forest Service logging road. The deposit is very large. As a preliminary estimate I would judge somewhere between 80 and 100 million tons. It includes practically all of the upper 500 feet of elevation on Quartz Mountain including the Lookout.

The material is a fine-grained quartz and chalcedony. It may be a replacement or silicification of a tuff. There are softer less silicified portions in the deposit which appear tuffaceous. Cavernous weathering has developed in some of these softer portions.

I chipped several small pieces from the deposit and would like to have a Spec analysis as well as a silica assay run on the sample. I believe that the silica is related in some way to the rhyolites in the area. Its impurities will probably consist mainly of alumina, potassium, sodium, and iron. Norm tried to visit the deposit with Roy and Jerry Rannells Wednesday the 23rd but were unable to because of stormy conditions.

Do you know anything about the status of land at a Lookout station? I didn't ask Roy but thought there might be some kind of a withdrawn area for the Lookout site.

Best regards,

LR:amj

Len

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STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

1069 STATE OFFICE BUILDING
PORTLAND 1, OREGON

Nov. 13, 1957

Mr. H. M. Dole
1069 State Office Building
Portland 1, Oregon

Dear Hollis:

I thought perhaps some mention of the Rannells Silica Deposit should be made in the Ore-Bin so I am sending up the following pertinent information on it:

Newly Discovered Silica Deposit in Douglas County

Roy Rannells, Riddle, Oregon, and G. D. Rannells, Aurora, Oregon, have located 11 claims on Quartz Mountain sec. 2, T. 28 S., R. 1 E. The deposit includes most of the upper 500 feet of Quartz Mountain which is 5,530 feet elevation. A preliminary estimate indicates about 80 million tons of silica in the deposit. It consists of fine-grained, massive quartz which may be the result of silicification of a tuff. Assays indicate a 98 plus percent silica content with alumina up to 0.66 percent being the only impurity of consequence.

Perhaps permission to publish this information should be obtained from Gerry Rannells.

Sincerely,

LR:amj

Len