

March 4, 1941

State Department of Geology and Mineral Industries

DUNCAN AND WILLIAMS WASHING PLANT

702 Woodlark Building
Portland, Oregon
GOLD HILL AREA

Owners: Harry Duncan, Rogue River, Oregon, owner of the land; Tom Williams, owner of equipment.

Location: Ward Creek, 3 miles from Rogue River.

Area: About a mile to one and a half miles of creek channel.

Equipment: A 1-yard, Diesel fired, Marion Steam shovel. Washing plant is a dry-land rig. Hopper is about 5' square, grizzly bars are horizontal. Trommel has about 6' of "washing chamber", then 6' of rotating tube with screens. Undersize is picked up by rotating scoops in end of trommel and raised to boxes. Boxes are steel, 1 ft. wide and 20 ft. long on about a 10° slope. Stacker is about 30 ft. long. Plant on solid rubber-tired frame.

Geology: Area of metasediments and metavolcanics. Overburden is soil and angular cobbles, about 5 ft. Larger boulders, up to 2 ft. below. Entire mass is heterogeneous mixture of coarse and fine material with soil. Stream channel is narrow. Water is scarce.

Ray C. Treasher
Field Geologist
March 4, 1941

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

FOOTS CREEK TUNGSTEN

Jackson County
Gold Hill Dist.

Location: SW $\frac{1}{2}$, NW $\frac{1}{4}$ sec. 13, T. 37 S., R. 4 W., Gold Hill mining district, Jackson County, Oregon.

Claims & Owners: Clarabelle 1-4. Ed Dole, Rt. 1, Box 346, Gold Hill, Oregon and Madge M. Gazley, Box 106, Myrtle Creek, Oregon. On road to Right fork from Middle Fork, Foots Creek.

Geology: This occurrence is on the same "granitic" (quartz-diorite) intrusive that the NW Alloys, and Cramer and Tito are working. The deposit is very similar in appearance.

A narrow zone in meta-sedimentary rocks less than 100 feet from the contact of the "granitic" rock. This zone trends N-S and is generally very weakly mineralized with scheelite. Several trenches have cut this zone, but no scheelite was seen with a "Mineralight". The examination was made in daylight. No scheelite was identified in the rock.

No garnet or epidote was seen. Two hundred feet of trenching had been done with a bulldozer.

One chip sample across a 5-foot zone, supposed to be a highly mineralized area, showed just a trace of WO_3 (QG-376, P-20548). There will undoubtedly be high-grade samples found in this deposit.

Visited: Nov. 5, 1956 by Max Schafer.

Report by: Max Schafer 11/27/56.

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STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
PORTLAND, OREGON

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Williams owns equipment which has been on Winchester-Houston placer, Jacksonville area; Williams Shovel on Pleasant Creek, Gold Hill area; Williams Shovel on Bishop Creek, Upper Applegate area. His operating record is poor.

Shovel appears to be in fair shape. Washing plant is poorly designed. No slope to grizzly so that oversize has to be picked off by hand. Hand washing of material on the grizzly. Boxes seem to have a very steep slope. Fine tailings run back under, and around the washing plant. Unless it is moved often, it will be "mudded in".

Water is scarce and before long will be a problem. Channel is narrow.

I timed operations during continuous work and it averaged one dipper per minute, or 60 yds. per hour. Shovel is delayed by the hand washing, and dumping of oversize. If the material could be cleared thru the grizzly more efficiently, the shovel could deliver twice as much.

On this basis, maximum yardage in 8 hours is 500 yds. Probably will average half of that.

Ground is reported to run 65% and up.

Ray C. Treasher
Field Geologist
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