

March 4, 1941

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

DUNCAN AND WILLIAMS WASHING PLANT

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 35¢/yd. and up.

Ray C. Treashor
Field Geologist
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