

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

Kubli Ranch (dredge)

Upper Applegate Area

Owner: Kubli and others

Operator: Charles Stearns and Owens, 56 4th Ave. West, Medford, Oreg.

Location: Sec. 22, T. 38 S., R 4W., from the mouth of Humbug Creek upstream for $2\frac{1}{2}$ miles to mouth of Chapman Creek.

History: Only hand work in the past. Dredging commenced October 20, 1941.

Development: Five acres were dredged from October 20 - December 3. Operation is on flat ground.

Equipment: A Bodinson washing plant with a capacity of 130 cu. yd. per hour mining time. Diesel dragline, Bulldozer, carry-all, electric welder, etc.

Geology & Dredging Conditions: Bedrock is hard diorite and shale. Where bedrock is even, it is soft; where bedrock is uneven, it is hard. Boulders over 12 inches are less than 1 per cent; very little sand under $\frac{3}{8}$ inches; per cent of clay is 5. Most of the gold is fine in size and a small amount of platinum is recovered. The gold amalgamates freely. There is plenty of water for a year around operation, the water coming from the Applegate River. Depth to bedrock is 25 feet.

Informant: Mr. Mc Donald and R. G. Bassett, December 3, 1941

Report by: R. C. Treasher 1/5/42

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Stearns and Owens are operating this dredge in addition to Stearn's dredge on Poorman Creek, a tributary of Forest Creek. The Kubli Ranch operation calls for the resoiling of better land. About 100-150 weeks of operation are anticipated.

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