

August 26, 1941

State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland, Oregon

NORTHERN CALIFORNIA DREDGING CO.

Grants Pass Area

J. C. Boyle & J. E. Ely came from Oroville, California. Boyle has been testing in this area here for about a year and a half. He was associated with R. W. Campbell for a while & they tested ground for Stearns on Thompson Cr. Partnership dissolved and Boyle continued on his own. Tested for Stearns on Forest Cr. and on Applegate River. Ely & his partner went broke at Oroville, so Boyle brought the boat, got a dragline and brought the outfit to Jump-Off-Joe Creek.

Boyle says that their ground will run 25¢/yard and that the gold is about 840 in fineness (\$28 per ounce). Their channel will average 500' in width and they will mine up one side and down the other. Anticipate about 3 years operation.

The Mining Journal for August 15, 1941 says that J. C. Boyle has a dryland dredge near Applegate. Boyle says they did not have the time to correct the galley-proof, so the Mining Journal ran it wrongly.

Ray C. Treasher  
Field Geologist  
August 26, 1941

CONFIDENTIAL

RECEIVED  
AUG 29 1941

STATE DEPT OF GEOLOGY  
& MINERAL INDS.

NORTHERN CALIFORNIA DREDGING CO.

Grants Pass area

Operators: J. C. Boyle, Applegate, Oregon, and J. E. Ely, 654 N. 3rd Street, Grants Pass, Oregon.

Location: sec. 25, T. 36 S., R. 5 W., on Jump-Off-Joe Creek. All patented ground except 80 acres of Sexton placer. (Reached via Hwy. 99, to the road intersection 10 miles north of Grants Pass, then up Jump-Off-Joe road 5 miles and east up Jump-Off-Joe Creek, an additional 6.4 miles. Total, 21.4 miles from Grants Pass.) Altitude, 3000 feet.

Area: 200 acres containing an estimated 2,000,000 cubic yards along 3 miles of channel. The ground is patented except 80 acres of Sexton placer.

History: Dredge started digging about Aug. 11, 1941. Plans include dredging the old Cotter & Harriman and the old Sexton hydraulic placers.

Equipment: Bodinson floating plant, steel pontoons, rated capacity 1500 cu. yds. per day; Trommel is 48" x 16', six feet unperforated, remainder with 3/8" holes and nugget slots near retaining ring; ten sluice boxes, 2' x 6' with Hungarian riffles; stacker is 30 feet. All Diesel powered.

Dragline is a 1 1/4 yd. Lima Diesel, with a 50' boom and a 1 yard bucket. A TD40 Diesel cat. welding outfit, P. C. Hansen, 300 amps. Nine men are employed on three shifts.

Dredging Conditions: The channel is 500 feet wide, average. Maximum depth to be dredged is 12 feet, average 7 feet. Maximum size of boulders is 24" - 30", with 5 percent over 12". Very little sand less than 3/8". There is a clay zone on top that is stripped and very little clay below this. Bedrock is soft and uneven; it is dug 2 feet deep. The gold is fairly heavy and coarse; it amalgamates freely and has practically no black sand or platinum. The ground is reasonably tight and holds water. Ground water level is that of the pond, and water comes from Jump-Off-Joe Creek the year 'round.

Report by: Ray C. Treasher, 8/26/41