

two counties for 1940 was from sand, gravel, and crushed rock, and is as follows:

	<u>Morrow</u>	<u>Umatilla</u>
Sand and gravel	\$46,600	\$30,110
Crushed rock	85,985	45,370

COLUMBIA GOLD DREDGING COMPANY

Morrow County

Owner and Operator: Ground is owned by State of Oregon and is leased to Theo Haakonson and B. R. Howard. Address: Irrigon, Oregon.

Location: Located two miles northeast of Irrigon on the Columbia River.

Equipment: Floating boat with 46"x16' trommel having $\frac{1}{4}$ " openings; 50 h.p. International diesel engine furnishes power for boat; 3/4-yard Loraine-Thew gas shovel; 100 sq.ft. of sluices having a pitch of 1" per foot; burlap and expanded metal lathe is used in riffles; truck and oxyacetylene welding equipment.

Geology: Gravel is fine. Maximum size of rocks is 4 inches. 30% of gravel is sand. Bedrock has not been reached. Gold is fine and difficult to save.

Remarks: Operators are working one shift to prove ground. Yardage handled is estimated to be 300 yards per day.

Informant: Theo Haakonson, H.K.L., 3/5/41.