

State Department of ~~Geology~~ and Mineral Industries

RECEIVED
MAY 6 1957
STATE DEPT. OF GEOLOGY
& MINERAL INDS.

1069 State Office Building
Portland 1, Oregon

DIAMOND FLAT CHROME

Curry County
Chetco District

Owners: Keldon G. Adams and Marvin C. Ramsey, both of Grants Pass.

Location: NW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of sec. 3, T. 41 S., R. 10 W., at about 3300 feet elevation on the flat lying about $1\frac{1}{2}$ miles southwest of Cedar Springs. It is reached by the Wimer Road, 13 miles from O'Brien, and to right on Cook Road 3 miles to Cedar Springs.

History: The deposit was discovered by Bill J. Evitt (deceased) in August 1955. However, the claim was not recorded, according to information submitted by Adams. Adams and Ramsey recorded the Diamond Flat claim in April 1957.

Geology: Numerous small pieces of massive and disseminated chromite float are found on the flat area, especially in a narrow north-trending zone extending from the south center end of the claim to a small cut located 125 feet N. 73° E. of the $\frac{1}{4}$ corner between sections 3 and 4. This distance is approximately 400 feet. Chunks of massive chromite up to about 7 inches thick, assaying 54.02 percent Cr₂O₃ and 10.29 percent Fe (OG-242, P-16675) were taken from a trench about 18 feet long, 3 feet wide and 3 feet deep. The trench is located 350 feet S. 70° E. of the $\frac{1}{4}$ corner. ~~The~~
~~substantive~~ About 150 pounds of ore was piled by the trench, but no ore was seen in place at this location.

Sheared serpentine containing a minor amount of disseminated chromite is exposed in the smaller cut (3 x 3 x 8 feet) 125 feet N. 73° E. of the $\frac{1}{4}$ corner. The cut trends north approximately parallel to the direction of shearing in the serpentine.

Platy flow structure in the partially serpentinized (saxonite) peridotite exposed in the low ridge about 150 yds. north of the deposit strikes N. 38° E. and dips 50° SW. A similar attitude taken 100 yards beyond, to the northeast, strikes N. 15° W. and dips 63° SW.

The chromite float is apparently from a narrow discontinuous stringer which extends across the flat in a north to northwesterly direction and has a fairly steep dip.

Silica boxwork characteristic of nickel enrichment in laterized peridotite was seen in several places. It may indicate the presence of an enriched blanket zone of nickel (garnierite) lying at shallow depth at various places in the flat area.

Visited: 4/3/57.

Report by: Len Ramp 4/30/57.

Informant: Keldon G. Adams.

* * * * *