

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland 5, Oregon

PRELIMINARY REPORT

Squaw Creek Chromite

Josephine County
Illinois River Dist.

Horseshoe Claim

Owners: Lennie Brooks, Peter Brooks, and A. E. Williams.

Location: NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 37 S., R. 8 W., about 2000 feet elevation.
Near the end of Squaw Creek road.

Development consisted of two levels of dozer cuts in contorted and weathered serpentine. As only surficial digging had been done, much of the exposed rock is surface "creep" or landslide material.

Only a small amount of chromite could be seen in the cuts. According to Lennie Brooks, however, drill holes had cut across a fairly large (5-foot?) body of chromite.

Two samples taken by Peter Brooks ran 39.36 percent Cr₂O₃, 14.20 percent Fe; and 36.89 percent Cr₂O₃, 13.13 percent Fe (P-12573 and P-12626).

Lone Pine Claim

Owners: Same as for Horseshoe claim.

Location: NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, T. 38 S., R. 8 W., just above the Squaw Creek road at about 1700 feet elevation.

There were four levels of dozer cuts and a hand-cut trench made earlier between the two upper cuts.

Minor chromite was seen near the center of the lower dozer cut. At the upper end of the hand-made trench a chromite boulder about 3 by 2 by 2 $\frac{1}{2}$ feet was exposed. There was about one ton of broken ore beside the trench which extends N 40° W for about 50 feet and probably follows the trend of the chromite taken out. Below the chromite was a 6-inch vein of magnesite (?). The chromite was in a narrow area of shearing surrounded by peridotite. (See Allen 1939:45-46)

Rhea Claim

Owners: Same as Horseshoe and Lone Pine claims.

Location: NW $\frac{1}{4}$ sec. 4, T. 38 S., R. 8 W.

This property was not visited. It is located about 1/4 mile west of the Squaw Creek road.

The latest information on the Squaw Creek chromite is that Mr. Paul Luttel has leased the properties to get ore for his mill located on West "F" Street, Grants Pass.

Informant: Lennie Brooks

Visited: 8-18-52

Report by: L.R.

Reference: Allen, J. E. (1941) Chromite deposits in Oregon: Oreg. Dept. of Geology and Mineral Industries Bull. 9.