

NICKEL - CHROME GROUP (chromite)

Illinois River area

also known as Eight Dollar Mountain Group and as Horstman Group

Owners: Mrs. Karl Horstman, and William Wescott, Kerby, Oregon.

Location: Sec. 20, and N $\frac{1}{2}$ sec. 29, T. 38 S., R. 8 W., on Eight Dollar Mountain, 3 miles S. W. of Selma, Oregon; elevation between 3000-4000 feet.

Area: 38 claims, held by location, dated 1935 and 1938.

History: About 30 years ago a Mr. Lewis made a map of the group showing two ore zones that intersect N. E. of the summit of Eight Dollar Mountain. It is reported that in 1928-1929 a Mr. Smith had some assays made in Germany by Dr. Phil O. V. Grossman, which showed the presence of chromite and a fraction of one percent nickel. This sample was reported as representing 50 million tons of ore all from Eight Dollar Mountain. Since the death of Karl Horstman in 1939 most of the claims are held by the above mentioned owners.

Development: Principal development work is in the nature of cuts and trenches; several small adits have been run with the object of developing chrome ore.

Geology: The roads along Illinois River, Deer Creek, and Redwood Highway, cut through ultra-basic rocks in which there is some serpentinitoid rock. The ultra-basics weather is a tan color and their surface is studded with resistant enstatite (?) crystals. Some chromite float has been found and present prospecting is directed toward locating the chrome bodies. It is claimed that the ultra-basic rocks contain nickel and tin in commercial quantities.

Informant: W. W. Wescott, 11/19/40

Report by: Ray C. Treasher, 11/22/40