

3440 0001 Washoe Co.  
S12, 20N, 23E

Wadsworth

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Item 1

The Wadsworth property consists of approximately 400 acres of deeded land situated in the southern Virginia Mountains 4 miles west of Wadsworth on the Truckee River. The tracks of the Southern Pacific Railroad are only a few hundred feet from the mine. Reno, the supply point, is 35 miles west.

The property, comprising about 400 acres, was purchased by the Rare Metal Inc., from the Southern Pacific Railroad Land Co. and private land owners in 1939 and 1940.

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Development of the property was started in January 1940. A crosscut adit 600 feet in length was completed, and in November 1941 the property was shut down. Prior to the shutdown, 6 diamond drill holes totalling 990 feet were drilled from underground stations.

The rock formations underlying the property consist of a granite intrusion and metamorphic rocks which are overlain to the north and west by Tertiary volcanics. The granitic intrusives include granodiorite, aplite, and monzonite, and the metamorphic rocks, calc-silicate hornfels, hornfels, schist, and tactite, that strike from N. 35° to 40° E. and dip 67° to 80° NW.

Several faults of small displacement effect the aplite dikes and tactite.

Schoelite mineralization occurs as tactite lenses in the calc-silicate hornfels. The tactite is medium to coarse-grained and is composed of garnet, epidote, and quartz, with minor amounts of calcite and pyrite. The schoelite occurs as disseminated crystals and as coatings along joint surfaces.

Two ore zones were encountered in the underground workings. These zones, averaging about 3 feet in width and 30 and 50 feet long extend from the adit level to surface.

The mine workings consist of an adit 600 feet long, a 20-foot winze, a raise to surface, and several surface cuts, pits, and trenches.

During the period January 1940 to November 1941 approximately 400 tons of ore were shipped to the Toulan mill that contained 0.5 percent  $WO_3$ .

The property has remained idle since the shutdown in November 1941.

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