

~~5290 0023~~

W. Pine Co.

171
344

coarse-grained scheelite in sillimanite schist, interbedded with a 6 inch corona of galena-bearing quartz and calcite. This ore follows along an ill-defined structure, so it cannot be projected much beyond the visible limits. Two samples of sorted high-grade ore taken by the owner contained 5.0 and 7.0 percent WO₃.

No ore has been produced or shipped from the property.

~~S16, 21, 28, 16N, 57E~~

Murphy

344

The Murphy property consists of 36 unpatented lode claims known as the Murphy, Steel King, and Phippen groups, situated near the head of 4 steep walled canyons that dissect the deposit on the west slope of the White Pine Mountains. The deposit is about 6 miles south of the old camp of Hamilton, and 52 miles airline or 62 miles by road ^{West} of Ely, the supply and shipping point.

The area in which the deposit is located and the camp of Hamilton to the north were among the earliest producing areas in the state. The discovery of high-grade silver ore resulted in the development of a number of producing mines which had a gross production in silver, lead, and copper in excess of \$9 million dollars, during the period 1865-1921. The discovery of tungsten in the area was made by the Murphy brothers in 1939.

The country rocks in the mine area consist of Paleozoic sediments which have been intruded by areas of quartz-monzonite and granodiorite.

The monzonite forms a dome-like area in the foothills on the northwestern part of the range. To the east, near the summit the range but still on the west slope is a much larger area of granodiorite.

Between the monzonite and granulite is a segment of limestone which has been complexly faulted and in larger part metamorphosed and altered to tactite. The tactite area, consisting of garnet, epidote, and quartz extends north-south for a distance of 9,000 feet, containing a maximum width of 1,500 feet.

Scheelite occurs finely-disseminated in the tactite formation but is more concentrated in small irregular silicified and fissure zones that strike N.10°W. with nearly vertical dips.

Development openings on the property consist of location cuts and shallow pits along the tactite zone. Several holes were dug in the altered zone on the north slope of Camp Canyon for a distance of 350 feet and a width of 120 feet. Disseminated scheelite occurs over the entire width, with the better scheelite showings being confined to small quartz-filled fissures, that vary from a few inches to 4 or 5 feet in width. On the divide south of Camp Creek the mineralized sections are similar to the north side of the Creek, but more frequent scheelite-bearing zones are indicated. Samples taken from the exposed tactite zone in the canyons of Hoppe, Little Fair, and Sawmill Creeks gave similar results. The average of the sample taken contained 0.27 percent WO_3 , with the better sections containing 0.6 to 1.0 percent WO_3 . No tungsten has been produced or shipped from the property.

Schafer

The Schafer property consists of 7 unpatented lode claims situated along a southward-trending ridge on the west slope of the Egan Range, 5 miles west of the small settlement of Cherry Creek, and about 55 miles north of Ely, the supply and shipping center.