

Charleston Hill National - SHON DIST.

4330 0009 The Charleston Hill National Co. (Mrs. Mary L. Clough, presi-

dent) owns claims prospected by a 1,200-foot crosscut adit, which

is 3.1 miles by dirt road north of U. S. Highway 95 at a point 24.4

miles northwest of Winnemucca. The exploratory work was done in 1919

in search of gold and silver. Scheelite was identified in 1943 in the

walls of the adit, but not in commercial amounts. The igneous and metamorphic rocks exposed in the adit are cut by six or more quartz veins that range in width from a fraction of an inch to 2 feet.

Scheelite is confined to narrow quartz seams, less than $\frac{1}{2}$ inch wide.

At a point 350 feet from the portal, several seams intersect to give a 2-foot zone estimated to contain 1.0 percent of WO_3 .

Santa Rosa Mountains

- SHON DIST.

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Hem 9

Scheelite is found at a number of places in the Santa Rosa Mountains, but not in important quantities. In the central part of the range on the east side, small bodies of taectite containing scheelite are interbedded with altered clay slate and hornfels near contacts

with granite. The main mineralization is included in an area of several square miles along the base of the range. The chief prospects are on the King, January, and Great Northern groups of claims, which can be reached from Winnemucca by following U. S. Highway 93 north for 2 1/2 miles to its intersection with State road 8-b, then turning northeast on 8-b for 4 miles to a point where a faint auto trail leads west up the alluvial slope for 2 miles to the scheelite-bearing area.

Tungsten is also found in gold-quartz veins at Flat Creek on the west side of the range, at the Charleston Hill National property, and at the Pasch property near Bloody Run Creek.

King ✓

The King group of 4 claims was owned in 1943 by H. J. Mutter and T. J. Fitzgerald. Scheelite in small amounts is found in 3 beds of quartzite near granite contacts. The beds do not crop out, and are about 2.5 feet thick where they are exposed in several pits.

Two chip samples taken by C. W. Chesternan of the ~~Bureau~~ Geological Survey assayed 0.98 and 0.40 percent of WO_3 .

January

The January group of 4 claims adjoins the King group on the north, and was owned in 1943 by W. E. Johnson. Two beds of siliceous tectite containing scheelite are exposed in an old, 300-foot adit that extends westerly. The tectite is interbedded with hornfels, and is not far distant from granite, an extensive body of which is found near the portal of the adit and farther east. One 4-foot bed of tectite at the face of the adit was estimated to contain 0.75 percent of WO_3 . The other bed, one foot thick, is 20 feet from the face of the adit, and was estimated to contain 1.0 percent of WO_3 . In 1943-44, Mr. Johnson shipped 35 tons of ore containing 25 units of WO_3 . Of this ore, 9 tons averaged 1.4 percent of WO_3 .

Great Northern

The Great Northern group of 6 claims, owned in 1943 by James and Arnold Scoesa, is 2 miles north of the January claims, and is reached by the same road. Two beds of scheelite-bearing tectite, each about 4 feet thick, are found about 1,400 feet apart. Each bed can be traced on the surface for about 100 feet; the average grade of ore exposed is estimated at 0.75 percent of WO_3 . In 1944, the Scoesa Brothers shipped to a Metals Reserve Co. stockpile 31.6 tons of ore that averaged 1.07 percent of WO_3 (35.7 units).