

Esmeralda County-general

Item 14

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MATERIALS SURVEY

ANTIMONY

Compiled for the
MATERIALS OFFICE
NATIONAL SECURITY RESOURCES BOARD

by the
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BUREAU OF MINES

with the cooperation of the
GEOLOGICAL SURVEY

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has been mined from stibnite veins and stringers, but most of the activity has been directed to the search for veins of scheelite that are distinct from the antimony veins.

A small quantity of native antimony was found in the Oreana tungsten mine in a scheelite-beryl pegmatite. The mine is on the west flank of the Humboldt Range near Oreana.

Some antimony ore was produced from the Mineral Basin district 25 miles southeast of Lovelock during World War I. Stibnite also occurs on the east slope of the Seven Troughs Range, about 30 miles northwest of Lovelock. The stibnite occurs as irregular masses in gouge Tertiary volcanics.

Washoe County: The Stibnite mine is in the Spanish Springs district northeast of Reno. Production and reserves are small. The Donatelli deposits are south of Spanish Peak and northeast of Sparks. A quartz-stibnite vein in volcanic rocks is about 500 feet long and up to 2 feet wide. Some of the ore is high-grade, but the vein has not been well-developed.

White Pine County: The Enterprise, Pappy, and Mackenzie claims are about 20 miles southeast of Ely on the west flank of the Shell Creek Range near its south end. Narrow veins of chalcedony, stibnite, and antimony oxides are in limestone and inter-bedded shale. In places the veins merge upward into blankets of chalcedony that lie on the present surface. The ore is low-grade; production and reserves are small. Antimony veins also occur in the Ruby district and in a small mine northeast of Simonsen, which is northeast of Eureka.

The Stibnite mine is on the west side of Prospect Mountain 7 miles from Eureka. Several high-grade shoots are reported to occur over a length of 3,000 feet; the vein is in limestone.

The Antimony Queen mine is 10 miles southwest of Cherry Creek on the west flank of the Egan Range. The antimony ore occurs sporadically in a silicified zone in limestone.

Other Counties: Antimony occurs with lead and silver in the New Deal mine and the Yarmouth mine near Searchlight in Clark County. The Blue Eagle group of antimony claims is in the Antelope district in Eureka County. Two parallel veins are each 2 to 6 inches wide and contain some high grade antimony. Antimony is a minor constituent in ore of the complex type in the Mineral Hill district, also in Eureka County.

There is a small antimony deposit 10 miles east of the Rock Hill station on the Tonopah-Goldfield Railroad in Esmeralda County. The Mattmueller mine is in the same county in the Lida Valley district