

Note: Granite Mtn. was once called
CINNABAR MTN.

NEVADA
PERSHING COUNTY

Vanderburg 1936

KENNEDY DISTRICT

On east side of Granite Mountain in the East Range, 57 miles south of Winnemucca. Discovered in 1891, with the IMPERIAL MINE. Also about the same time the GOLD NOTE MINE. Town of KENNEDY PROSPERED AND HAD at one time 500 residents.

In the late 90's the IMPERIAL 20-stamp amalgamation mill was built and operated for one year. In 1901, a cyanide leaching plant was added to this mill, which operated until 1905. In 1914 a plant was built to test an electrochemical process, but the process was unsuccessful in treating the complex ores. Several smaller mills were also erected, one of which was a custom mill.

In 1934, the original Charles Kennedy shipped one carload of tailings from the mill dump which averaged a little over \$20 per ton. In 1936 some 200 tons of tailings remained.

THE MINERALIZED AREA IS 5 MILES LONG AND $1\frac{1}{2}$ MILES WIDE; Development work totals nearly five miles. Water is available in CINNABAR CREEK which flows through the old Kennedy townsite.

For many years the small annual production was made by lessees. Total production has been estimated at \$300,000.

Principal rocks are granodiorite and rhyolite, the latter intruded rather irregularly by basalt. The veins range from 0.5' to 6' in width and dip about 45 degrees. Vein filling is mainly quartz with pyrite, galena, sphalerite, tetrahedrite and a little chalcopyrite. The mineralized zone is 25 to 150 feet.

Lessees operating in 1935 shipped two carloads. One of these for 38 tons, after treatment charges returned \$1,814 or \$47.65 per ton, and after freight and other charges, net proceeds of \$1,589.41. This selectively mined ore carried 1.08 ounces gold, 22.62 ounces silver, 2.65% copper, 1.00% lead and 0.5% zinc.

Lincoln in 1923 estimated production thru 1905 as \$235,000 shipped and \$250,000 milled, or a total of \$485,000. He also says:

"Granite Mtn. is composed of granodiorite which is intrusive into Triassic volcanic rocks which may contain some sedimentary beds, according to Ransome. At the Gold Note Mine the country rock is rhyolite intruded irregularly by sheets and dikes of basalt, and altered andesite is associated with the rhyolite in some parts of the workings. The vein dips flatly following the bedding of the rhyolite and in some places traverses basalt."

NOTE: This could be of interest; it is on the same structural trend with the Cottonwood-Edson area, 18 miles north of Cottonwood; the 5 miles by $1\frac{1}{2}$ miles of mineralization appears significant. READ ref. by P. Klopstock AIME B June 1913, or M and EN abstract 39 (1913) 63-5