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ITEM 26

STATE OF CALIFORNIA
GOODWIN J. KNIGHT, Governor
DEPARTMENT OF NATURAL RESOURCES
DeWITT NELSON, Director

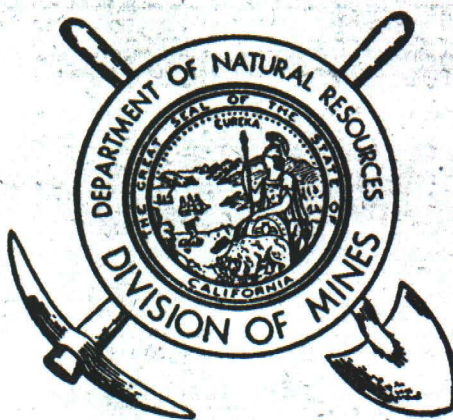
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Sulfur. A small amount of native sulfur was mined and shipped from a single property in Inyo County during 1950 and 1951. During 1951 stripping was under way in preparation to mining sulfur at the Leviathan mine in Alpine County. The sulfur will be used in the manufacture of sulfuric acid with the ultimate purpose of leaching low-grade copper ores from Nevada.

In addition to the native sulfur a much larger tonnage of by-product sulfur was recovered from sour petroleum refinery gases at a plant at Watson, Los Angeles County. Hydrogen sulfide was recovered at oil refineries at Richmond, Contra Costa County; and at Dominguez, El Segundo, and Watson in Los Angeles County.

Talc, Soapstone, and Pyrophyllite. The talc, pyrophyllite and soapstone produced from California properties during 1951 totaled 126,784 short tons worth \$2,269,771, compared with 109,747 short tons worth \$2,069,211 in 1950. The 1951 output came from properties in El Dorado, Inyo, Los Angeles, Mono, and San Bernardino Counties. The material from Inyo County and part of the material from San Bernardino County was high grade talc; the production from Mono County and part of the production from San Bernardino County was pyrophyllite; the production from El Dorado and Los Angeles Counties was soapstone.

The following table gives the 1951 talc, pyrophyllite, and soapstone production in California by counties:

County	Short tons	Value
Inyo -----	50,817	\$756,637
San Bernardino -----	60,019	1,332,522
El Dorado, Los Angeles, Mono -----	15,948	180,612
Totals -----	126,784	\$2,269,771

Titanium. A small tonnage of ilmenite concentrates was reported from Hermosa Beach in Los Angeles County during 1951. The 1950 output of ilmenite sands came from a property in Sand Canyon near Saugus, Los Angeles County.

Tungsten. California led all states in output of tungsten concentrates, with approximately 48 percent of the national shipments in 1951. High grade tungsten concentrates produced in California during the year totaled 2,490 short tons containing 149,694 units of WO_3 . Shipments over the same period totaled 3,007 short tons containing over 180,000 units of WO_3 and were valued at \$11,557,325, an all-time high. The 1950 production of tungsten concentrates in California totaled 1,686 short tons or 101,200 units of WO_3 , and shipments for 1950 were 2,025 short tons or 121,492 units of WO_3 , valued at \$3,392,000.

The principal ore production was made at the Pine Creek mine, Inyo County. Other leading counties in the production of ore and concentrates were: San Bernardino, Madera, Tulare, Fresno, Alpine, and Kern.

Zinc. The value of zinc produced in California during 1951 was at an all-time high, although the quantity of production has been exceeded in two previous years. Mine production of recoverable zinc in California during 1951 totaled 1,100,000 pounds, valued at \$1,100,000.