

Hernon, 1953: Brief history.

Howard, 1967: History; placer mining during the period 1939-41.

Jones, 1904: Describes history and methods of placer mining.

Koschmann and Bergendahl, 1968: Production estimates.

Lasky and Wooton, 1933: Production estimates.

Paige, 1911: Sketch map on page 110 locates the principal lode mines near which the placers were found.

——— 1916: Geology of recent gravels.

Raymond, 1870: Early history of discovery and production of placers.

——— 1872: Production information for 1870.

Schilling, 1959: Road log locates placers.

U.S. Bureau of Mines, 1935: Reports dredge operations on Santo Domingo Creek.

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Wolle, 1957: Placer gold recovered in 1955.

Wright, 1915: History.

Wells and Wooton, 1932: Reports black sand analyses.

#### 6. BAYARD AREA

*Location:* Southeast of the Pinos Altos Mountains, Tps. 17 and 18 S., Rs. 12 and 13 W.

*Topographic maps:* Fort Bayard and Santa Rita 7½-minute quadrangles.

*Geologic maps:*

Dane and Bachman, 1961, Preliminary geologic map of the southwestern part of New Mexico, scale 1:380,160.

Lasky, 1936, Geologic map of the Bayard area and outcrops of veins and faults in the Bayard area (pls. 1, 9), scale 1:12,000.

*Access:* From Silver City, 10 miles east on U.S. Highway 260 to Bayard. Dirt roads lead to mining areas and small placers.

*Extent:* Placers are found in almost every arroyo that drains the mineralized area in the vicinity of Bayard. The gold is concentrated in workable quantities in only a few areas: (1) south of the Copper Glance vein (secs. 32 and 33, T. 17 S., R. 12 W.; sec. 5, T. 18 S., R. 12 W., Santa Rita quadrangle); (2) the downslope side of the Owl-Dutch Uncle-Tin Box-Lost Mine vein linkage, especially along Gold Gulch (secs. 31 and 32, T. 17 S., R. 12 W.; sec. 5, T. 18 S., R. 12 W.; sec. 6, T. 18 S., R. 12 W., Santa Rita quadrangle), and (3) the vicinity of the veins along Highway 180 between Bayard and Central (sec. 1, T. 18 S., R. 13 W., Fort Bayard quadrangle).

*Production history:* The Central district is the most productive mining region in New Mexico and includes the areas or subdistricts of Bayard, Santa Rita, Georgetown, and Hanover, where copper, lead, and zinc

are mined. The Bayard area is the only part of the Central district with a reported production of placer gold. The small amount of gold credited to the area was recovered by individuals working intermittently over a period of many years.

*Source:* The gold was derived from the oxidized parts of the quartz-sulfide veins in the district.

*Literature:*

Frost, 1905: Reports placer mining on Whitewater Creek.

Howard, 1967: Describes source of placer gold.

Lasky, 1936: Describes placers in Bayard area.

### HIDALGO COUNTY

#### 7. SYLVANITE SUBDISTRICT

*Location:* West flank of the south half of the Little Hatchet Mountains, T. 28 S., R. 16 W.

*Geologic maps:*

Dane and Bachman, 1961, Preliminary geologic map of the southwestern part of New Mexico, scale 1:380,160.

Lasky, 1947, Geologic and topographic map of the Little Hatchet Mountains (pl. 1), scale 1:31,250.

*Access:* From Lordsburg, 20 miles southeast on U.S. Highway 70-80 to the junction with State Highway 81; from there about 20 miles south to Hachita. Placer ground lies south of Highway 3 (9).

*Extent:* Placers are found in shallow draws and gulches in gravel remnants on monzonite bedrock between Cottonwood Spring and Livermore Spring (secs. 21 and 28, T. 28 S., R. 16 W.).

*Production history:* The placers in the Sylvanite subdistrict were discovered in 1908. The discovery created enough excitement to cause a gold rush to the area, but the placers were rapidly worked out. Most production was in 1908, but some placer mining was done in this century at the Bader placer (SW. cor. sec. 21, T. 28 S., R. 16 W.). One report notes that placer gold was discovered at Hachita in 1880.

*Source:* The gold was derived from the eroded outcrops of the telluride-native gold veins.

*Literature:*

Anderson, 1957: History.

Dinsmore, 1908: History of discovery.

File and Northrup, 1966; Placer gold at Hachita, 1880.

Hill, 1910: Discovery; extent; production.

Jones, 1908a: Discovery; extent; size of nuggets; production.

——— 1908b: Virtually repeats his article in *Engineering and Mining Journal*, v. 86, 1908.

- Ellis, R. W., 1931, The Red River lode of the Moreno Glacier: New Mexico Univ. Bull., v. 4, no. 3, 26 p.
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- Endlich, F. M., 1883, The mining regions of southern New Mexico [Hillsboro district]: Am. Naturalist, v. 17, p. 149-157.
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Lists mines and placer deposits alphabetically (p. 1-97). Locates them by mining district and county and refers briefly to other sources.

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Includes list of district names, synonyms, and older names.

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- Gifford, A. W., 1899, Wonderful dry placers [Orogrande district]: Ores and Metals, v. 8, Oct., p. 15.
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- Graton, L. C., 1910a, Lincoln County, in Lindgren, Waldemar, Graton, L. C., and Gordon, C. H., The ore deposits of New Mexico: U.S. Geol. Survey Prof. Paper 68, p. 175-184.
- 1910b, Otero County, in Lindgren, Waldemar, Graton, L. C., and Gordon, C. H., The ore deposits of New Mexico: U.S. Geol. Survey Prof. Paper 68, p. 184-190.
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