

NEVADA
PERSHING COUNTY

Vanderburg 1936

IMLAY DISTRICT
HUMBOLDT DISTRICT

At north end of Humboldt Range on its west flank. From north to south it includes Prince Royal, Humboldt, Florida, Black and El Dorado Canyons.

IMLAY MINE is principal mine in area. 1907 equipped with a ten stamp amalgamation mill which operated off and on until 1918. About 1500 tons were treated. AMERICAN MINING AND EXPLORATION worked mine in 1918 shipping considerable silver ore. Seven unpatented claims, 250 foot vertical shaft, and a 1500 foot adit for drainage. In 1930 another small amalgamation mill erected; capacity 2 tons per 8 hours; operated for a time in 1935. An 85% recovery on ore that averaged \$15 per ton. Formation is shale, quartzite and limestone. Vein is a hard, white quartz with values in gold and silver and a little lead and copper.

HUMBOLDT VALLEY, 2 miles southwest of Humboldt Station has a deposit of SULPHUR. Known since the 70's but not until 1933 was it taken seriously. 8 carloads shipped to southern Oregon for agricultural purposes, which infers that it was at least plus 20% sulphur. Sulphur occurs on surface in a cone formed by an extinct hot spring. Cone 15 feet high, 1000 feet long and 700 feet wide. Large amorphous masses of sulphur occur intermixed with gypsum; deposit is capped with several feet of calcareous material.

BLACK CANYON eight miles southwest of Humboldt Station; rich bunches of free gold found in 1908. MCGEE PROPERTY is at head of Black Canyon; lessees prospected property with 150 foot tunnel in 1935. Three parallel veins outcrop over a width of several hundred yards and traceable for about 600 feet. Average width of veins 2 feet, dip is vertical; free gold occurs in a gangue hard white quartz, cutting rhyolite.

FLORIDA CANYON is 4 miles southwest of Humboldt Station. 14 unpatented mining claims. In 1936 tunnels being driven to explore SILICIFIED OUTCROPS carrying values in gold. $\frac{1}{4}$ mile north a deposit of iron-stained KAOLIN; two carloads shipped in 1925.

STAR PEAK MINE is at the head of El Dorado Canyon 10 miles SW of Humboldt Station. Two patented claims. Worked from 1914-1916, with a five stamp amalgamation mill to treat ore. From 3500 tons produced \$130,000 in bullion. Developed by 200 foot vertical shaft and 750 foot adit. Tailings acquired by other in 1934. 1500 tons of tailings averaged \$4 per ton, in gold and silver, and being leached. Cost of plant was \$2000. Fineness of bullion was 200 Au and 600 Ag. Recovery was 85%.

RUBY CINNABAR MINE in canyon was worked in 1908. Cinnabar occurs in limestone.