

The vein striking to the north and dipping steeply to the west was followed for 120 feet, then disappeared. It is also exposed for a short distance in cuts south of the portal of the drift. The width of the vein varies from a few inches up to 2 feet. The quartz contains numerous slate fragments and is stained yellow in places from iron. Pyrite in small scattered grains is the principal metallic mineral present. The surface croppings of this vein are reported to have shown free gold. A general sample of the vein material on the dump gave on assay, gold, 0.25 ounce, and silver, 12.60 ounces per ton.

CLAIMS ON BEAR RIVER ABOVE AMERICAN CREEK.

Independence.

This claim is situated in the Bear River canyon, a constricted portion of Bear River valley, a mile and a half above the American Creek forks, and was explored in 1910 under bond by the Bear River Canon Mining Company. The showing occurs in a band of slates, tuffs, and limestones enclosed in the Bear River greenstones. These are traversed in a nearly north and south direction by a well marked line of fissuring which follows closely the strike of the rocks. The fissure has been drifted on for a distance of 140 feet. A lens of nearly solid galena with some blende, about 8 inches in thickness, which outcropped on the surface, was cut through in a distance of 20 feet. A second lens, consisting mostly of blende with some galena, was encountered at 50 feet and followed for 12 feet, and beyond that the fissure proved barren. A shaft at the mouth of the tunnel followed the galena lens down to a depth of 15 feet, when it disappeared.

Similar narrow lenses of galena ore occur on what seems to be the same line of fissuring, on the Victor claim north of Bear river, but have not been investigated.

Bear River Mining Company.

This Company prospected in 1910 a group of claims situated south of Bear river, some distance above the Bear River canyon. The country rocks consist mostly of greenstone agglomerates often silicified over large areas, and belonging to the Bear River formation. Reddish oxidized zones and patches, some of considerable extent, are numerous in the vicinity. One of these on the New York claim has been opened up by a short drift. It consisted mostly of pyrrhotite distributed irregularly through the country rock, and associated in places with a little chalcopyrite. It is of considerable size but the