

4390 0016

SILVER PEAK GROUP.

Silver Peak

This group consists of eleven (11) claims as follows: Albany, Saratoga, Mountain Queen, Mountain Queen No 2, Salt Lake, Salt Lake No 2, Utah, Belmont, Judge, Reward, and Diana. These claims or a part of them have been incorporated but whether or not all of them have been included in the corporation has not as yet I believe, been fully decided. The accompanying map shows the relative position of these claims.

GEOGRAPHY.

The property is located in the Silver Peak Range of Mountains, in the Silver Peak Mining District, Esmeralda County, Nevada. They are four miles from the new town of Blair, into which a railroad known as the Silver Peak Railroad has just been completed.

HISTORY OF DISTRICT.

The district has been worked off and on for over thirty years both by a company and by lessees. The old patented group was until recently owned by the Blair estate of New York, and has laid idle for a number of years. It was recently purchased by a Pittsburg Syndicate and incorporated under the name of the Pittsburg Silver Peak Mining Company and this has added materially to the activity at present prevailing in the district. The first cyanide plant in the State of Nevada was erected in this district and treated ores from the property now owned by the Pittsburg Silver Peak Company.

ACCESSIBILITY.

The property is easily accessible by rail over the Tonopah & Goldfield Railroad to Blair Junction where connection is made with the Silver Peak Railroad to the new town of Blair, or it may be reached by auto or team from Tonopah a distance of thirty seven miles over comparatively good roads. The new town of Blair is four miles from the mines and the old town of Silver is nine miles from the mine. The roads are good but the grades are

heavy and supplied are usually transported a portion of the way by pack animals.

TITLES.

Titles are possessory and on this group only location and assessment work has been done. The work for the year 1906 is being done or has been done.

GEOLOGY.

The vein is quartz with some schist showing in the vein in places. The quartz is at places, hard, white glassy and massive and carrying small values, while at others it is more broken showing a honeycombed structure, more evidences of iron and general oxidation and carrying better values. At places also it takes on a banded or ribboned structure. The values are about 70-75% free and a large percentage of the balance can be successfully extracted by the cyanide solution, as shown by preliminary tests on a commercial scale. On the adjacent hills is a good deal of limestone but the ore bodies seem to occur in Alaskite which is of the granite family, and contains both quartz and alkaline feldspar. This alaskite forms both foot and hanging walls and is massive and homogeneous.

The veins here are bedded, and my observation on this and also on a previous trip to the same region coupled with information gained from another engineer who spent a great deal of time on the more fully developed Blair property has led me to believe that they are also lenticular in form and in places reach large widths. Faulting and extensive alteration seems to be wanting

Dykes probably Diorite occur in the vein and along these the best ore seems to occur probably due to increased activity of circulating eaters along the fracture caused by the dyke.

All this information was obtained from observation and information from the more developed properties adjoining the group., The veins are running a little north of west and south of east. Ore bodies in big mine said to be pitching west and veins dipping north. The Frank or Valcalde vein runs nearly north and south, and undoubtedly crops on this property.

DEVELOPMENTS.

Developments on this group are wanting only assessment and location work having been done.

MINING FACILITIES.

The completion of the railroad into the town of Blair will make general costs of supplies and living about the same as obtain in Tonopah. Wage scale and contracts will also be about the same as Tonopah, although in the past I believe that the Goldfield Scale has governed the camp. The power transmission line of the Nevada Power Mining and Milling Company passes through the camp and the lines extended to ~~sh~~ some of the properties.

All machinery would probably be electrically driven and water is now being piped to some of the mines from the Silver Peak Flat for domestic and other auxiliary machinery purposes.

ORE IN SIGHT.

There is no more ore in sight in the property owing to an almost total lack of development.

ASSAYS.

Only three assays were taken and these from an outside ledge of quartz, which has never been considered productive, and within which the ores of commercial value are said to obtain. These assay results would suggest that as work advanced the values increased as the ore nearest the face carried best values. Results were as follows:

47 4"wide in face of tunnel, 15' long on Mountain Queen

Claim:

Au.	0.04 oz	0.80
Ag	.44 oz	.29
		<hr/> 1.09

#48 5½' on west wall of tunnel on Mountain Queen claim near mouth of same.

Au Trace	-----
Ag 0.14 oz	<u>0.09</u>
	0.09

49 Running sample along east side of tunnel for 15' of length; ledge showed no definition from the work done, no walls being visible.

Au Trace	-----
Ag 0.16 oz	<u>0.10</u>
	0.10

In the above gold was figured at \$20 per oz and silver at 65¢ per oz. No shipments have ever been made from this property.

CONCLUSIONS/

From the location, adjoining as it does the Pittsburgh Silver Peak Co. and the Valcalde Co. both of which have developed well, I consider the property well worthy of more extensive development. I should also consider that the entire eleven (11) claims should be included in the deal whether as an incorporated company or otherwise. Also from the fact of there being no development whatever, I consider that the terms should be such as to take into consideration the amount of money necessary for further development before any results whatever could be obtained.

Respectfully submitted,

Alexander F Johnson.