

MR 14-2

SAMPLES FROM WARREN PEAK MINE CO.

No.	per Ton No. Gold	Silver Ounces.	Description
1	\$2.05	_____	Oxidized rock from left wall, where hole was drilled in bottom.
2	\$4.35	_____	Four cuts across ledge, from roof to floor. where streak comes out, 25 ft. in from bend.
3	\$2.15	_____	At same point, solid streak next left wall.
4	\$78.75	2.3	Near roof 10 ft. in from No. 3.
5	\$0.60	_____	Hard, oxidized, 6 ft. in from No. 3.
6	\$122.15	2.0	14 ft. in from No. 3.
7	\$4.95	1.6	Hard streak, mostly flourite frozen to phonolite wall on left.
8A	\$1.45	_____	Hard phonolite lying next to left of No. 7.
8B	\$2.25	_____	At same place but one foot further out. 2 ft. in from 8B, 3" further in left wall.
9	\$0.40	_____	Hard streak close to No. 9 shows flourite.
10	\$2.80	_____	Sample from No. 10, shows flourite and sulphide
11	\$17.75	4.0	Streak in face before blasting June 26. soft and somewhat oxidized.
12	\$0.20	_____	Hard streak in floor after blast in floor.
13	\$1040.	120	About 18" in from No. 13.
14	\$164.	36	From floor at crosscut.
15	\$0.60	_____	Sample across 3 ft. croppings on line of vein, at hole just beyond ridge; said to have granite wall on one side.
16	\$0.40	_____	Sample including 1/4" of flourite-stained material to right of wall at open cut about 100 ft. above tunnel.
18	\$1.00	_____	Flourite-stained material broken off rock lying on dump, same place as No. 16
19	\$10.10	_____	

Following four samples by E.A.B. from bottom of cross cut, after shot:-

20A	\$2.05	0.9	dark	) to
22	\$1.00	_____	light	) face
20B	\$1.20	0.4	dark	) of
21	\$0.40	_____	light	) rift

D r i f t			
23	\$131.	70.	About 20 ft. further in than Nos. 20-22. where shot in bottom shows flourite.
24	\$4.10	_____	Streak at face of tunnel after shot June 27 just above basalt, includes some flourite.
25	\$0.80	_____	From bottom at point 3 ft. in from No. 22
26	\$0.40	_____	Same place sampled by Mr. Wright.

Following are selected specimens;-

27	\$2.60	2.3	Narrow streak broken from No. 14.
28	\$1.20	_____	Special high grade from hole in floor. after firing two shots.
29	\$940.	144.	Special high grade sample. Sample taken by Mr. Harris.
30	\$58.70	100.	
31	\$574.	51.	

# A LIFETIME OPPORTUNITY

## WARREN PEAK MINES COMPANY PUSHING DEVELOPMENT WORK--MAKES A SPLENDID OFFER FOR CASH

This company now owns and has on the ground a large boiler and engine sufficient in power to run the stamp mill, air compressor, dynamo for electric light purposes and complete saw mill, all of which are on the ground and being installed. Money is needed to install this plant and start the mine running on business principles, and in order to raise funds at the earliest possible date, we are making this time-limited offer:

Shares at 45c each until June 1, 1911, after which time they will be 20c. Send money either direct to the company or to the Sundance State Bank, Sundance, Wyoming.

Let scientific advice help you decide. Read carefully the following letter from the eminent authority, State Geologist Edwin Hall:

Gentlemen: Since leaving your mining district I have been constantly on the go. Just arrived at my office this morning. I found

time, however, to assay the bunch of assays I took from your mining district, and I wish to say that I consider the thirty assays taken from the entire district to be the best bunch of assays I ever made from the surface of a new mining district. Your assays run as follows:

No. 10, phonolite, Mineral Ridge West, a trace. This is rather a bad starter. No. 11, red ore, Mineral Ridge East, \$4.80; No. 12, fluorine vein, east slope Mineral Ridge, \$80.00. I made four assays on this sample; largest assay was \$102.00, \$80.00 being the lowest. The irregularity in the value would indicate the presence of coarse gold. No. 13; sample that panned, white mineral, \$8.80 per ton. I did not find anything to indicate the presence of platinum in this sample. No. 14, phonolite vein, west slope Mineral Ridge; \$8.40 per ton; No. 15, fluorine vein, east slope Mineral Ridge, \$89.20. This sample al-

so showed the gold to be quite coarse, as in running several charges from the same sample, I received as high as \$122.00 per ton, No. 16, 5-foot vein, tunnel, south, \$7.20 per ton.

These samples would indicate to me that you should pay a great deal of attention to all fluorine veins; also a great many assays should be made on different porphyries and quartz porphyries, or locally called granite. I believe you are certain to develop one of the largest gold districts in the west. The samples I took from your properties are certainly very good.

As soon as possible I will forward to you my report on your property and the entire camp.

This company is capitalized at 1,000,000 shares fully paid and non-assessable. Par value, \$1.00; 600,000 shares placed in the treasury for developing purposes.

### READ ALSO THE FOLLOWING OFFICIAL GEOLOGICAL REPORT

BY EDWIN HALL, STATE GEOLOGIST OF WYOMING

This property is situated in the Bear Lodge Mining District, six miles north of Sundance, Wyoming, the county seat of Crook County. Sundance is reached by a forty-mile stage trip from Moorcroft, Wyoming, on the main line of the C. B. & Q. R. R., Omaha to Billings line. The nearest railroad point to the mine is Aladdin,

Wyoming, twenty miles distant, where a branch runs out to the coal mines from Belle Fourche, S. D. There is also a daily stage between Sundance and Aladdin. As the roads are by no means rough, there is an excellent grade and good wagon roads.

Mr. N. H. Darton, in his professional paper No. 65, U. S. G. S.,

gives the following regarding the geology of the Bear Lodge district: "The Bear Lodge laccolith is a dome shape mass somewhat elongated from northwest to southeast. The central portion is a thick mass of porphyry rising to an altitude of 7,160 feet in the summits known as Warren Peaks. Upturned strata encircling the laccolith and extend-

ing part way up its flanks dips away regularly on all sides, but the dips are steepest on the west side. The principal plane of intrusion is low in the Deadwood formation, but the igneous rocks have cut across the strata in many places, and some of the beds have been torn from their normal position. The most notable example of this later feature is on the eastern bank of the headwaters of Blacktail creek, where a small mass of sandstone and underlying beds are several hundred feet out of place. Bodies of Deadwood sandstone and pre-cambrian pegmatite are included in the central igneous mass, and there have been intrusions into the higher strata." (See professional bulletin No. 65 for the remainder of article and the accompanying cross section.)

The igneous rocks forming the core of the district seem to have been deposited in flows and are composed largely of porphyry phonolite, rhyolite, andesite, trachyte, pegmatite, (locally called granite), basalt, gabbro, and other igneous rocks. The typical veins of the district are prominent, well defined fissures varying in size from a few inches to thirty or forty feet, nearly all of which contain fluorine.

The Warren Peak Mines Company embraces twenty-one claims in the gold bearing area of the

Bear Lodge Mining District. The immediate formation includes pegmatite, (locally called granite,) basalt, phonolite andesite, and various porphyries. The property is developed by a 400-foot tunnel with drifts and a great amount of surface workings. This tunnel was driven to cut at depth a gold quartz fluorine vein exposed at the surface; at the time of my visit, however, it had not been reached. About 150 feet from the portal a 5-foot blind vein was encountered. This consists of a granite breccia gangue occurring as a fissure in a mass of phonolite, and has been drifted on for 50 feet, showing from my sampling an average value of \$7.20 per ton in gold. This tunnel if driven on in would develop at great depth several known gold veins near the summit. There is also exposed here an enormous body of low grade auriferous pegmatite.

On the east slope of Mineral Ridge a gold fluorine vein has been recently discovered and opened up in several places. Two samples taken by me almost at the grass roots showed values of \$80.80 and \$89.20 per ton in gold.

At the summit of Mineral Ridge there is a large vein opened up by several pits. Large samples taken from the two principal cuts gave returns of \$4.80 and \$8.40 per ton in free gold.

Pannings taken here across 56 feet show gold with a number of specimens. It is the intention of the management to trace the rich fluorine vein on the east slope to the bottom and thence by drifting in on it to also develop the veins and ore bodies at the summit of Mineral Ridge. I was also shown many promising gold fluorine ledges throughout the property which, however, have not been developed to any extent.

In conclusion I would advise that the pegmatite and other large dikes of the property be thoroughly prospected and assayed, as all indications lead me to infer that they will surely develop immense bodies of economic ore. The fluorine veins should also receive much attention for their prospective high grade gold values.

Wood and water for mining and milling purposes are abundant; the character of the ore is ideally free-milling and no doubt even very low grade stuff should prove very remunerative to the owners when properly exploited.

Considering the general geology and formation and character and size of the ore bodies, the splendid showing from such a small amount of development work, I believe that this property will be one of the large gold-producers of the country when developed.

#### WARREN PEAK MINES COMPANY,

E. A. BOCK, President and General Manager, Sundance, Wyoming.

# Warren Peak Mines Co.

Main Office: Belle Fourche, S. D.  
Branch Office: Sundance, Wyo.

SUNDANCE, WYOMING, Jan 26th. 1914.

Tonopah Mining Co,  
Philadelphia, Pa.

Gentlemen:-

I understand that you are looking for good Mining properties as an investment.

We have put in several years opening up this country. We have 21 claims Patent applied for, work all done and money paid into the Government. I will enclose a copy of a report made by former State Geologist Edwin Hall, in 1910. Since then we have run into Sylvanite ore which will roast out the gold the same as in Cripple Creek, Colo.

Picked specimens have assayed as high as \$12000.00 to the ton.

I will enclose a bunch of 32 samples taken and assayed by the Homestake Chemist of Lead, S.D.

There are several companies in this district that have good ore on surface, and they are willing to give any one a good show that has the money to develop same.

If interested would be glad to have you come and examine the properties,

Yours truly,

*E. A. Bock*