

646

~~Percock~~ *Sel Contact Mine* PRINCIPAL ORE MINOR MINERALS
NAME

PUBLISHED REFERENCES

S S _____ 43 R _____ 24 S _____
T

MISCELLANEOUS RECORDS

...Name COUNTY
...Area AREA
..... ELEVATION
..... ROAD OR HIGHWAY
..... DISTANCE TO SHIPPING POINT

PRESENT LEGAL OWNER (S) Address
.....
.....
.....
.....
.....

OPERATOR
Name of claims Area Pat. Unpat.

Name of claims Area Pat. Unpat.

EQUIPMENT ON PROPERTY

WALLOWA
RANGE
WALLOWA
DISTRICT

PEACOCK PROPERTY

LOSTINE CREEK

(1)

Traveling down the mountain side again and circling Minam lake we start down the West fork of the Lostine to the "Contact mine" ten miles away. This glaciated stream with its mountain meadows and hanging valleys passes through a deep U-shaped valley all the way in granodiorite. Halfway to the mouth of West fork, Copper creek comes in from the west. Some three miles up the latter prospects are situated, but time did not permit a visit to them.

About three miles north from the mouth of Copper creek we pass the junction of the East and West forks, and some four miles farther on we arrive at the Iron Dike ranger station. Miles before we reach this point we catch glimpses high up on the eastern canyon wall of the long contact of the granodiorite with the limestone. This long and thick body of white limestone which makes up the top of the ridge is doubtless the western part of the same block seen at Gyllenbergs on the other side of the mountain. The "Peacock" or "Contact" property is situated on this contact a mile away and more than a half mile above the creek.

In taking a picture from the bed of Lostine creek with the camera considerably tilted the impression of the steepness of the trail and mountain side is lost.

The Peacock camp, elevation 7,000 feet, is about 2,000 feet above the ranger station. About 200 feet still higher up, considerable work has been done on the contact which here for some distance is between calcareous or limy schist and the granodiorite. Mineralization appears to be less prominent than on the contacts elsewhere with purer limestone.

WALLOWA
RANGE
WALLOWA
DISTRICT

PEACOCK PROPERTY

(2)

~~This contact with its contact metamorphic minerals is not the chief point of interest at this property. Development sometime ago ceased on the contact and was transferred to a nearly vertical pyroxenite dike 5 to 40 feet wide, which diagonally cuts across the limestone in an E.-W. direction. A few hundred feet of the lower end of this dike was observed, and as far as one could see the dike continued to the very mountain top. A distant and indistinct view of this dark colored curving dike in the white limestone is seen in the upper part of the~~

cc a nearby

The dike rock is dark green in color with a texture nearly dense. In thin sections it is seen to consist of about 75 per cent augite pyroxene, about 15 per cent labradorite, 5 per cent biotite, and 5 per cent quartz. The quartz is probably a secondary mineral. Most of the labradorite feldspar crystals are badly altered.

The dike has been somewhat fractured and in the small fissures the pyrite and pyrrhotite have been deposited together with some chalcopyrite. Some of the contact-metamorphic minerals, garnet and epidote, are in evidence near the borders of the dike for the most part, but sometimes are seen in the adjacent limestone. The pyrite and pyrrhotite appear in greater percentages in the outer portions of the dike. This dike, a basic differentiate of the great intrusion injected in a molten condition into the fissure in the limestone, probably had sufficient heat with the assistance of mineralizers to form the small amount of garnet and epidote present.

(over)

Practically no mineralization is seen in the limestone adjoining the dike. In an examination of several open cuts scattered for a considerable distance along this dike the copper minerals appear to be too thinly scattered through the dike to call it ore. Without the presence of precious metals in fair amounts this primary deposit would not pay to work.

Returning to the stream again we start north for Lostine, 17 miles away. Most of the way granodiorite predominates on our left, while on the right besides granite much limestone and other sediments appear.
