

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

Memorandum Report

Red Knob Claims (Copper)

Eagle Creek District
Baker County

Location:

T. 7 S., R. ³/₄ E., Sec. 13, and on the ridge between Red Gulch and Dark Canyon at a point about one mile SE from Red Knob lookout. Area: 8 lode claims.

Claimants:

Loren Stanciu and Edgar L. Pickler, Richland and I. W. Lowe, Portland

General:

The area covered by these claims is in timber land of the Whitman National Forest. Natural outcrops are sparse, but showings of copper mineralization have led to the area having been held and pitted by numerous claimants during the past three decades or so. Nothing is known to have been recorded regarding the earlier prospect findings, but the restricted dimensions of the old pits and cuts indicates that the various claimants encountered little encouragement for continued digging at any one site.

The present owners purchased the claims from Messers. Ashby, Jennings and Thompson of Richland during May, 1956. They dozed a clearing around one of the better copper showings deep into bedrock and sank a 20-foot incline shaft to explore continuence of a surface indication with depth. They also drilled a 68-foot vertical diamond drill hole at the site of

another surface showing in an old cut about $\frac{1}{4}$ mile south of their main center of operations.

Some exceptionally excellent specimens of native copper coated with cuprite were visible at the outset of the dozing, together with malachite stain and some chalcocite and other copper sulphides in knots and thin seams in various surrounding joints and fractures at random locations throughout an area of 80 to 100 feet from the native showing. The dozing and shafting showed these scattered showings to be small, discontinuous and separated by large blocks of hard, dense, massive and wholly unmineralized greenstone. Sixteen tons of the copper-bearing development rock was trucked to the Tacoma Smelter September 20, 1956, for a return of only 2.7 percent copper. With this material and the specimen native gone there is now very little ore-type mineralization in evidence in the workings.

The drill started in the center of a weak malachite-stained area in an old cut. According to Mr. Pickler, they penetrated barren rock almost immediately and remained in wholly barren rock to 67 feet at which point one foot of copper-bearing rock assaying 2.5 percent was encountered.

Several of the old pits and trenches located at widely separated places on the claims were visited during the course of this examination. These showed malachite stain and minor sulphide mineralization in thin seams and

and small, discontinuous bunches separated by large areas of country rock in a manner entirely comparable to the area revealed by the dozer clearing. This mineral condition, together with that shown by the recent exploratory work, serves to show quite conclusively that the emplacement of the copper mineralization present on the claims is localized by incipient shear and fracture zones in the country rock. It is also apparent that the observable mineralization is in no sense of the word comparable to the celebrated disseminated type of porphyry copper ores mined in Utah, Nevada and Arizona.

Examination by : N.S. Wagner and Howard C. Brooks, May 28, 1957.

Informants: Messers. Stanciu and Pickler.

Report by: Wagner and Brooks, June 10, 1957.

Red Knob

NAME

OLD NAMES

Copper
PRINCIPAL ORE

MINOR MINERALS

7S

44E

13

T

R

S

PUBLISHED REFERENCES

MISCELLANEOUS RECORDS

..... Baker..... COUNTY

..... Eagle Creek..... AREA

..... ELEVATION

..... ROAD OR HIGHWAY

..... DISTANCE TO SHIPPING POINT

Address .Richland;.Oregon.....

.Richland,.Oregon.....

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PRESENT LEGAL OWNER (S) .Loren Stanciu.....

.Edgar Pickler.....

.....

.....

OPERATOR

Name of claims	Area	Pat.	Unpat.
8			X

Name of claims	Area	Pat.	Unpat.

EQUIPMENT ON PROPERTY