

W.A. No.

NAME Geol Rpt.

SUBJECT

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82ENE094
Grey Creek

PROPERTY FILE

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B2F/NE

Title Iron, Gray Creek (49,116 NE)
Author J. T. Pyles
Date and Typist Oct. 5/56 ly 1

Since March 1952 twelve claims have been staked near the head of Gray Creek to cover a band of hematite-bearing schist. Two claims, Iron No. 1 and Iron No. 2 have been held by location by Joseph ^VGa~~n~~ther of Kootenay Bay since March 1952, ³Another two, Iron No. 2 and Iron No. ⁴3 have been held since September 1953 by George J. Oliver of Gray Creek, and eight claims, Iron No. 5 to Iron No. 12 were recorded in October, 1955, by M. H. Co~~o~~ngdon of Blairmore, Alta. The claims are adjacent to each other along a northerly trending line about 5 $\frac{1}{2}$ miles east of Gray Creek P.O. The claims are reached from Gray Creek P.O. by following the power line road east up Gray Creek to the western side of the pass between Gray Creek and Redding Creek at an elevation of 6,200 feet. One of the two showings is at an elevation of 6,500 feet on the north side of Gray Creek about half a mile northwest of the pass. The other showing is on the south side of Gray

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Creek at an elevation of about 7,000 feet above sea level half a mile west of the pass. Foot trails lead from the road in the pass to the showings.

The showings are in a narrow bed of hematitic schist that is probably about at the same stratigraphic horizon at both places where it has been discovered. The bed strikes between north and north 5 degrees east and dips about 70 degrees to the west. It is underlain to the east by fine-grained, buff-weathering, light grey dolomite, and overlain by green and grey schist. The schist contains a small proportion of elongate grey quartz and buff dolomite pebbles 2 to 3 inches long and 1 to 2 inches thick; and is probably a schistose conglomerate. The zone containing hematite is 1 to 6 feet thick.

The accompanying sketch shows the workings on the north side of Gray Creek. Two bands of specular hematite 2 to 3 feet thick, separated by greenish schist are exposed in the bed of

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a small southward flowing creek and in three trenches. A fourth trench north of the other three does not expose bedrock but has blocks of hematite on the dump beside it. The bands of hematite strike north and dip steeply west. They are overlain to the west by grey and green schist and underlain a few tens of feet to the east by buff-weathering fine-grained, light grey dolomite. According to Mr. Oliver hematite does not outcrop north or south of the 200-foot section exposed in the creek and trenches.

South of Gray Creek, one band of hematite is exposed on the crest and north-facing slope of a ridge at a point where the crest swings from running west to running south. Old pits expose a band of specular hematite 2 to 3 feet thick lying a few feet west of a pennant band of buff-weathering grey dolomite. The formations strike north and dip about 70 degrees west, and hematite is exposed at a few places for about 250 feet along the strike. Hematite was found in the talus several hundred feet down the north slope of the ridge, but none was

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seen in outcrop. On the west slope of the ridge about 40 feet below and 50 feet west of an old trench exposing hematite, an adit has been driven eastward for about 40 feet. The adit passes through dark grey schistose conglomerate into light grey dolomite at the face. The band of hematite is exposed near the face and is about 1 foot thick. No samples were taken from the showings south of Gray Creek, but they appear to be of about the same grade as those north of Gray Creek.

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