

W.A. No.

NAME

SUBJECT *Geol. Rpt.*

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82 FNE 151 Manganese Group.

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001925

PROPERTY FILE

82 F/15 W

MANGANESE DEPOSITS NEAR KASLO, B.C.

Preliminary Report by A.D. Nash, M.E., Dec. 1917.

49-116

CLAIMS, NAMES, AREA.

2 in number, "Manganese", and "Manganese No. 1". Held by Crown-grant, contiguous, cover about 104 acres.

LOCATION, ACCESSIBILITY.

Located about six miles from Kaslo, B.C., on a branch of the Canadian Pacific Railway, one mile north from Zwicky Railway Station and loading spur, crossed by Kaslo and Three Forks wagon road.

TOPOGRAPHY.

Located on the western side of the Blue Ridge. The lower end of the "Manganese" and "Manganese No. 1" claim extends from the valley floor elevation 2500 feet above sea-level, easterly up the western slope of the Blue Ridge to 2900 feet elevation, covering a series of smooth level benches, drained by small creeks and gulches into Kaslo River.

GENERAL GEOLOGY.

The area covered by these claims is on the contact of on the east a belt approximately one mile in width striking north and south locally termed Kaslo Greenstones, classified as sheared and smashed hornblende and augite porphyries, diorite and gabbro with interbeds of dolomite, quartzite and squeezed conglomerite, and westerly what is called the "Slocan Series", classified as argillite, slate, phyllite, quartzite, carbonaceous limestone, chert and andalusite and schist.

ORE DEPOSITS.

On Manganese mineral claim and Managanese No. 1 mineral claim, exploration by test pits has disclosed a series of unconnected blanket surface deposits of ore up to 3.5 feet in thickness. Insufficient work has been done to date to determine the limits or extent of these occurrences. On the Manganese mineral claim, 85 test pits and trenches have proven an area of 225,000 square feet (approximately 5 acres) to be covered of economic quality and value, occurring in and on the surface of the unconsolidated material overlying the formation. A haulage road is constructed to the railroad.

PROPERTY FILE

About 1200 feet northerly from the upper deposit on "Manganese" mineral claim or along the same bench onto the adjoining claim "Manganese No. 1" tests pits at irregularly spaced intervals over an area of about ten acres have disclosed a deposit that promises to exceed in area the deposit on "Manganese" mineral claim. This has been exposed in places along a distance of 1500 feet in a south-westerly and north-easterly direction and 300 feet in a south-easterly direction.

EXPLORATION.

Owing to the nature of the occurrence of ore, being either naturally exposed or close to the surface, with natural favorable conditions permitting access to any point, exploration can be quickly and cheaply done.

OPERATION.

With an area of demonstrated ore, what stripping is necessary can be done by hand work, or plow and slip scraper, moving waste back into the already excavated pits. Ore can be mined by pick and shovel. No drilling or powder required, as so far developed.

The topography permits access to the entire area at slight expense for clearing. The proximity of the railroad with loading spur construction possible within a distance of one mile is an assurance that transport to cars even on a small tonnage will not exceed \$1.00 per ton.

(A.D. Nash, M.E.)

Since this report was made, about 1,000 tons shipped in 1918. None since then and no further exploration done.

"A.J.C."

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