

*Greenwood.*  
Trail Creek.

Rock Creek Camp.

Le Roi Group.

REPORT

by Mr H. J. MacDonald.

801961

SYNOPSIS.

NAME:

LeRoi Group - seven claims.

LOCATION:

Kettle River Valley, ten miles from Rock Creek. B.C.

ACCESS:

Wagon Road ten miles from Crook Creek.

GEOLOGY:

Contact of Granite and diabase.

ORE BODY:

Lense shaped body pf pyrrhotite, pyrite and chalcopyrite in quartz gangue.

DEVELOPMENT:

Shaft, encline and drifts.

ASSAYS:

Cu. 1.1%; Ag.3.5oz. Au. Trace.

CONCLUSION:

Warrants few drill holes.

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## LE ROI GROUP.

The Le Roi group consists of the Le Roi, Thistle, Ivanho, Scotia, Togo claims and the Lulu and Ida K. fractional claims. The only development work is on the Le Roi claim.

LOCATION. Claims are located in the valley of the Kettle River, in the extreme southern part of British Columbia. A good wagon road leads directly, ten miles from the town of Rock Creek, upon the claims. A five mile spur to the Great Northern Rail Road, with a mile or mile and a half tram, will be needed to take out the ore.

POWER. No available water power in the immediate vicinity, but long distance electric transmission will furnish the necessary power.

GEOLOGY. Ore occurs at the contact of a granite with a diabase in the form of a lense shaped body of pyrrhotite, pyrite and chalcopyrite in a quartz gangue. The quartz occupies the outer part of the body, confining the sulphides which carry the values to the central portion. Upper portion of the ore body has been oxidized giving a strong "iron cap" to a depth of ten feet.

DEVELOPMENT. Development work consists of a 60 foot shaft within a few feet of the center of the west line of the Le Roi claim. At a depth of 25 feet from the collar of this shaft a 20 foot, 30 degree, incline was run towards the north west its face being in

the War Eagle claim. From the face of the incline a 20 foot drift was run to the right along the line. Of this work 35 feet of the shaft is filled with water, and the incline and drift filled with rock. At 30 ft to the north another shaft has been sunk 25 feet, while several open cuts, barely penetrating the capping, have been dug to the south.

The main shaft is in ore for its first 25 feet, and the ore is said to continue to the bottom of its east side. The incline is said to be in ore for 15 feet when it strikes barren quartz, and then in diabase at its face. The drift is said to be in barren quartz the entire length. From the conditions these statements appear to be probable. The other shaft sinks through 18 feet of ore with the remainder in the diabase. The open cuts show only iron capping and stringers. The Ida K. and Lulu fractions have some undeveloped iron cappings. Outside of these there are no other rock exposures on the claims as they are heavily covered with timber and vegetation.

SAMPLES. Three samples were taken from the main shaft and one from an open cut 30 feet south.

#1. Main Shaft.

|     |     |     |      |     |     |                    |     |     |      |
|-----|-----|-----|------|-----|-----|--------------------|-----|-----|------|
| Cu. | 1.6 | Ag. | 11.5 | Au. | Tr. | SiO <sub>2</sub> . | 6.2 | Fe. | 47.2 |
| CAO | 1.6 | S.  | 31.1 |     |     |                    |     |     |      |

#2. Main Shaft.

|      |     |     |     |     |     |                  |      |     |      |
|------|-----|-----|-----|-----|-----|------------------|------|-----|------|
| Cu.  | 0.6 | Ag. | 0.9 | Au. | Tr. | SiO <sub>2</sub> | 10.9 | Fe. | 43.5 |
| CAO. | 2.1 | S.  | 27. |     |     |                  |      |     |      |

#3. Main Shaft.

|     |     |     |      |     |     |                  |      |     |      |
|-----|-----|-----|------|-----|-----|------------------|------|-----|------|
| Cu. | 1.5 | Ag. | 1.2  | Au. | Tr. | SiO <sub>2</sub> | 30.4 | Fe. | 32.8 |
| CAO | 1.2 | S.  | 22.2 |     |     |                  |      |     |      |

#4. Open Cut.

|      |     |     |     |     |     |                  |     |     |      |
|------|-----|-----|-----|-----|-----|------------------|-----|-----|------|
| Cu.  | 0.6 | Ag. | 0.7 | Au. | Tr. | SiO <sub>2</sub> | 8.1 | Fe. | 46.3 |
| CAO. | 1.2 | S.  | 30. |     |     |                  |     |     |      |

CONCLUSION. The ground in the vicinity of this diabase granite contact would be a favorable location for several diamond drill holes if it were the policy of the Company to keep one drill upon work of this character.

H.J. MAC DONALD.