

**Moose.**

This group, owned by Henry Lukin, A. B. Campbell, and associates, of Likely, is situated on Lukin creek, a small creek flowing north-westerly into Poquette pass. The property is adjacent to the Likely-Keithley motor-road. The creek has cut a gorge in the Mesozoic volcanic country-rocks. Glacial debris is entirely absent, and the unconsolidated material in the creek-valley appears to consist almost entirely of local rock détritius. The andesitic volcanic rocks are oxidized and in places show considerable evidence of hydrothermal alteration, and they contain a large number of small quartz veins, which run diagonally across the creek. On one of these veins a tunnel was driven some years ago, but this was caved and could not be inspected.

The efforts of early placer-miners, and of the present owners of placer rights on this creek are directed to the recovery of placer by ordinary hand-mining methods. The placer is strictly residual in character and the indicated source is the quartz veins mentioned. Systematic examination of all quartz veins cut by the creek and prospecting in the near vicinity may disclose the existence of veins of commercial proportions and values.

**Treadwell.**

This group, owned by J. Creagh and situated in Cedar Creek canyon, was optioned by Premier Gold Mining Company, Limited, during 1933, and systematic investigation of the auriferous shear-zones was carried out by this company. The result did not disclose persistence of mineralization and the option was relinquished. This was a disappointment, because the mineralization in places showed very encouraging gold values, as will be clear from perusal of the report on this property published in the 1923 Annual Report under *Wonder* group.

**Sunshine.**

This group, owned by C. E. Salisbury and H. Bradley, of Likely, is situated on the north side of the North fork of the Quesnel river, about 1½ miles down-stream from the Spanish Creek bridge. The country-rock is schisted argillites of pre-Cambrian age, which are intruded by a pyritized quartz-feldspar dyke (Jura-Cretaceous). The surface is covered with vegetation and timber-growth to a large extent, and doubtless the outcrops of other quartz veins besides those described are obscured. At one point on the steep right bank of the river an open-cut exposes a large quartz vein, about 12 feet in width, which appears to strike north-west. A considerable amount of galena is present near one wall, but at other points in its width the vein consists mainly of oxidized and shattered quartz. A sample across a width of 4 feet of this quartz assayed: Gold, 0.8 oz. per ton; but it is understood that this assay is considerably higher than that of other samples taken from this portion of the vein.

Somewhat up-stream from this point, it is stated that at seasons of low water a large quartz vein can be seen in the bed of the river. Possibly such is the source of the large amount of broken quartz which lies on the river-bank at this spot.

**Bluebird.**

This mineral claim, owned by A. Garneau, of Likely, is situated on the north side of Cedar creek, about half a mile below the dam. In a gulch trending south-east into the valley of Cedar creek an open-cut exposes a quartz vein of considerable size apparently, although the walls are not uncovered. The quartz shows evidence of shearing and a slight mineralization of galena and pyrite at one point.

**Drake.**

This group, owned by T. Magee and associates, is situated on the North fork of the Quesnel river, on the south side, about opposite Kangaroo creek. The country-rocks in the vicinity are andesitic Mesozoic volcanics, which are pyritized in places. Samples of the more heavily pyritized portions did not disclose any gold values upon assay. This region lies in the path of the Central batholith, and to this source the pyritization mentioned is probably due.

**Shaw.**

This mineral claim is situated west of the *Drake* and is owned by J. Shaw, of Quesnel Forks. On the left bank of the river the Mesozoic volcanic andesitic rocks are pyritized, and at one point in these occur small quartz veins mineralized with galena, sphalerite, and pyrite. A sample of selected portions of the more heavily mineralized veins failed to assay more than traces of gold and silver. Another sample of pyritized volcanics did not disclose either gold or silver values.

**Keithley Section.**

Time permitted only a brief inspection of properties on Yanks peak, of which a fairly full description will be found in the 1929 Annual Report. The known directional distribution of

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miles of logging-road from Marguerite (on Highway No. 97). Nine men spent one month under the direction of D. W. Goodbrand, geologist, making an induced polarization survey.

[Reference: Assessment Report No. 1029.]

*Copper*

**Gibraltar (Zephyr, Pan)** (52° 122° N.E.) Company office, 300, 890 West Pender Street, Vancouver 1. The Gibraltar property, totaling 220 claims, owned by Gibraltar Mines Ltd., is on the east side of Cuisson Lake, 4 miles by road from McLeese Lake on Highway No. 97. During 1967 the property was under option to Cominco Ltd., who made topographic, induced polarization, magnetometer, and geochemical surveys and diamond drilled 14 holes totalling 4,695 feet. Seven men worked 7½ months under the supervision of M. R. Murrell, exploration geologist.

[Reference: *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 123.]

*Copper*

**Pollyanna** (52° 122° N.E.) Company office, 506, 675 West Hastings Street, Vancouver 2 (Duval); *Duval Corporation and Canex Aerial Exploration Ltd.* 800, 1030 West Georgia Street, Vancouver 5 (Canex). By W. G. Clarke. The Pollyanna group of 80 claims, held by option, includes most of the western part of Granite Mountain, which is about half-way between Quesnel and Williams Lake. The property is accessible by 12 miles of bush road from McLeese Lake. Six men spent five months under the direction of Benno J. G. Patsch making geological, induced polarization, and geochemical surveys. A total of 4,670 feet of percussion drilling was done in 17 holes.

[Reference: *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 124.]

*Gold*

LIKELY

**Lukin** (52° 121° N.W.) Company address, *Continental McKinney Mines Limited* 506, 540 Burrard Street, Vancouver 1. By T. M. Waterland. The Lukin group, consisting of 16 claims situated 2 miles northeast of Likely on the south end of Poquette Lake, was optioned from S. Miecznik. Work consisted of geological mapping by J. Schaeffle, geologist, about 500 feet of bulldozer trenching, and about 5,000 square feet of bulldozer stripping. It is reported that narrow quartz veins containing low gold values occur in green-grey andesitic porphyry.

*Copper*

**Polley, Meg, Redrock** (52° 121° N.W.) Company address, 1825, 355 Burrard Street, Vancouver 1. This 91-claim property, comprising the Polley, Meg, and Redrock groups, is just west of Likely and straddles the main road to Likely. During 1967 H. Fader, geologist, conducted a geochemical survey over most of the property.

*Copper*

**Cariboo Bell** (52° 121° N.W.) Company office, 300, *Cariboo-Bell Copper Mines Limited* 999 West Pender Street, Vancouver 1. By T. M. Waterland. The 200-claim property, comprising the B.J.

Brian Fenwick-Watson has data ??