

NAME OF PROPERTY APEX (BLUEBELL) (MOUNTAIN BOSS) (PERKINS PEAK)

OBJECT LOCATED-Adit on Mountain Boss No. 3 claim.

UNCERTAINTY IN METERS-4,000. Lat. 51°48'20" Long. 125°06'40"

Mining Division Cariboo District Range 2 Coast  
 County Township or Parish  
 Lot Concession or Range  
 Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The ore-bearing veins occur in a series of sedimentary rocks composed of black argillites, dark brown argillaceous sandstones, and fine, cherty conglomerates overlain conformably by thick beds of coarse volcanic breccia which form the summit of Perkins peak. The strata strike north 60 to 70 degrees east and dip southeast 40 to 45 degrees. Fossils found in the near vicinity of the veins are reported to be of Lower Cretaceous age. The rocks are cut by the Coast Range batholith, the contact of which makes a U-shaped bend around the southwest side of Perkins peak and is 2 miles southeast, 4½ miles southwest, and 1½ miles northwest of the deposits. A small diorite stock less than one-fifth of a mile in diameter, similar to and probably a part of the batholith, outcrops in a small cirque ¾ mile southeast of the deposit. (Delmage, V., 1925). Basic, much-altered dykes were observed at some points in the workings, and there are exposures in the cliffs indicating light-coloured intrusives in  
 Associated minerals or products of value - Silver. see Card 2 ....

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 7,000 foot elevation on the westerly side of Perkins Peak, approximately 125 miles west-southwest of Williams Lake.

No record has been found of the early history of the property; the initial work apparently included open cuts and a 12 foot long adit.

The showings were restaked as the Mountain Boss group of 8 claims in 1935 by F. Crosby, J. Peacock, and J.N. Killas, all of Prince Rupert; they staked the Mountain City group (6 claims) in 1937 and the Mountain Chief group (2 claims) in 1938. During the period 1936-1938 old cuts were cleaned out and extended. In 1938 a crosscut adit was driven 187 feet, with an 18 foot raise at the face; the adit comprises some 230 feet of horizontal workings. Owner J. Killas is reported to have done additional work in the adit in 1940.

The Bluebell group, owned in 1945 by P. Evjen and associates, of Kleena Kleene, was apparently staked on strike to the east of the Mountain Boss showings. The claims were optioned in 1945 by T. Corless, of Quesnel, and associates. A 125 foot crosscut adit was reportedly driven to intersect a sheared quartzite-argillite contact.

Hunter Point Explorations Ltd., a wholly owned subsidiary of Chromex Nickel Mines Ltd., staked the Apex 1-8 claims in October 1966; subsequent staking was done to a total of 54 claims; the Apex group is apparently a restaking of the Mountain Boss and adjacent groups. Kleena Kleene Gold Mines Ltd. was incorporated in 1968 as a wholly owned subsidiary of Chromex Nickel Mines Ltd. to acquire the Apex claims, and Crown-grants located on the southeast side of the mountain (see 92 N/14, Fe 1). Work during 1970 and 1971 included approximately 91 line-miles of airborne magnetic, electromagnetic, and radiometric surveys, and stripping on Apex 3 and 4 claims.

*Co steel heads 1975*

HISTORY OF PRODUCTION

REFERENCES

- Sargent, H.; Perkins Peak Section; Report of Minister of Mines, British Columbia: 1938, p. F-38.
- Dolmage, V.; Tatla-Bella Coola Area, Coast District, British Columbia; Summary Report 1925, pt. A, p. 162, Geol. Surv. of Canada.
- Reports of Minister of Mines, British Columbia: 1940, p. 57; 1945, p. 82.
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 202; 1971, p. 326.
- Mineral Policy Sector; Corporation Files: "Chromex Nickel Mines Ltd."

*Kleena Kleena GML - (SMF 7/84 Report + map)*

MAP REFERENCES

Map 2103, Tatla-Bella Coola Area, (Geol.), Sc. 1":4 miles - accomp. Summary Report, 1925.

\*Map 92 N, Mount Waddington, (Topo.), Sc. 1:250,000.

REMARKS

Comp./Rev. By	DMacR						
Date	9-74						

*BCI 920-10,12*

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(PERKINS PEAK)

## DESCRIPTION OF DEPOSIT (continued)

sill and dyke relationship. Quartz-lenses, of considerable width, occur along shearing which in general has the same attitude as the bedding, striking roughly east and dipping about 45 degrees south. The surface indications and the experience in the adit suggest that the wide quartz showings are lenticular, lack continuity along strike and dip, and have not yielded encouraging values.

There are also narrow quartz veins of irregular attitude, and at two points wider quartz veins are exposed cutting the bedding. Very considerable widths of sediments have been silicified. In the quartz and silicified wall-rock calcite is widely distributed. Sulphides, principally arsenopyrite, with some pyrite, occur as small lenses and aggregates disseminated through the silicified material and along some of the quartz-filled fractures. Gold values in unoxidized material are probably associated with the sulphides, though in general these values are low, and some samples containing moderate amounts of sulphides yielded nil or "trace" assays. The best values obtained by the writer were from a cut near the western end of of the principal workings, where two quartz-filled fractures cut the bedding.

The open cut exposes quartz, in fracturing, striking north across the bedding and dipping 30 degrees east. An upper vein, 3 feet wide, is separated by 2 feet of altered quartzite impregnated with quartz and sulphides from the lower vein 1 foot wide. The quartz veins and the intervening quartzite contain arsenopyrite, pyrite, and a little chalcopyrite. A sample across 6 feet, normal to the dip, including the quartz veins and the intervening quartzite, assayed: Gold, 0.24 oz. per ton; silver, trace. Selected sulphides, consisting of pyrite and well-crystallized arsenopyrite from the same place, assayed: Gold, 0.74 oz. per ton; silver 0.1 oz. per ton. Samples taken across the wide quartz lenses in the shearing yielded nil or "trace" assays in gold and silver. A specimen of sulphides taken from the floor of a drift on the adit-level, assayed: Gold, 0.02 oz. per ton; silver, trace. It is reliably reported that samples at a weak, rusty fracture, cut near the portal of this adit, yielded high assays in gold. (Sargent, H., 1938).

On the Bluebell group several lenses and stringers of quartz and bunches of pyrite and arsenopyrite mineralization occur along a sheared contact between quartzite and graphitic argillite.