

NAME OF PROPERTY

SUSAP (SUP) (KING EDWARD)

OBJECT LOCATED - adit.

UNCERTAINTY IN METRES 300. Lat. 49°06'23" Long. 119°48'20"

Mining Division Osoyoos District Similkameen

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

Augite syenite occurs at the contact between Cretaceous (?) Nelson Plutonic Rocks and Triassic or Earlier volcanic and meta-sedimentary rocks of the Old Tom Formation. Chalcopyrite, molybdenite and magnetite occur in stringers, veins and irregular masses of quartz and along quartz-syenite contacts. Chalcopyrite and molybdenite are also associated with 3 sets of northerly striking joint planes. Samples across a 4 foot width of quartz mineralized with pyrite, chalcopyrite and molybdenite in the upper adit averaged: gold, trace; silver, 1.0 oz/ton, Cu, 1.6%. A composite of eight 5-foot channel samples in 1962 gave 0.087 oz/t Au, 0.69 oz/t Ag, 1.36% Cu, 0.24% MoS₂.

Associated minerals or products - Molybdenum, gold, silver.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at elevations of 3,500 to 5,500 feet on the ridge between Susap and Hunter Creeks, 7 miles south of Keremeos. The original claims were subsequently surrounded on three sides by Indian Reserve No. 13 which was established after the claims had been Crown-granted.

In 1903 the property comprised 9 claims, the Night Hawk, King Edward, Westmorland, Johnny Bull, Tip Top, VV & E, Woodland, Kendall, and Bank of Fairview. The claims were subsequently Crown-granted (Lots 541S-549S respectively); lots 541S and 542S were Crown-granted to R.H. Parkinson in 1908. All the Crown-grants were subsequently cancelled. The property was owned in 1903 by The King Edwards Mines, Limited which was incorporated in August of that year. Work at that time included a 125 foot adit on the King Edward claim main showing and a 25 foot shaft and 30 foot adit on the Hunter Creek showing, several thousand feet E-NE of the main showing.

In 1918 the main showings, on the Susap Creek side of the ridge, were re-examined as a source of molybdenum for wartime needs. At that time a 35 foot adit was driven on a 1-20 foot wide quartz vein farther up the hill from the 1,903 adit. In 1921 the property reportedly consisted of the King Edward, Bank of England and Yellow Jacket claims. Work included trenching and an adit driven 60 feet with about 30 feet of crosscut at the face.

Friday Mines Limited in 1962 acquired 14 recorded claims, 4 of which were under option from B. Williams of Keremeos. Work during 1962-63 included trenching, bulk sampling in the upper adit, diamond drilling in 4 short X-ray holes, and geophysical and geochemical surveys.

Noranda Exploration Company, Limited held the property in 1967 as the Sup and Tom groups totalling 14 claims; the Sup 2-8 were under option from J.E. Mott of Penticton. Work included geological mapping, an electromagnetic survey over 3.6 line-miles, a geochemical soil survey over all the claims, rock trenching and pitting. Further geochemical work was reported by Noranda in 1968.

Cro-Mur Mining and Exploration Co. Ltd. acquired the property in about 1970. Work by the company during 1970-71 included trenching, underground geological mapping, and 20 feet of underground work on Sup 21 claim. In 1972 the property was optioned to Scurry-Rainbow Oil Limited who

p.t.o.

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa

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HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

carried out induced potential and magnetometer surveys over 12 line-miles and 1,567 feet of diamond drilling in 3 holes on Buck 19 and Sup 4 & 5 claims. Canadian Occidental Petroleum Ltd. held an option on the property in 1973. Work included underground geological mapping in two adits, ground magnetometer and geochemical surveys (3,200 soil and 498 rock chip samples), and 1,000 feet of diamond drilling on Susap 6.

United Hearne Resources Ltd. optioned the property (43 claims) in 1978. Work during 1979 included rock trenching, sampling, and 2,174 feet of diamond drilling. This work indicated approximately 1,000,000 tons at 0.108% molybdenite and 0.155% Cu [NM 07/12/79]. In 1989, Aurora Gold Ltd. optioned the property and carried out sampling and mapping.

REFERENCES

- Reports of Minister of Mines, British Columbia:
1903, p. 175; 1908, p. 251; 1921, p. 178; 1962, p. 64; 1963, p. 65; 1967, p. 221; 1968, p. 274.
- Geology, Exploration & Mining; British Columbia Dept. of Mines: 1970, p. 395; 1971, p. 384; 1972, p. 39 ++; 1973, p. 45 +++.
- +Cairnes, C.E.; Mineral Deposits of the West Half of Kettle River Area, British Columbia; Paper 37-21, pp. 24, 25, Geol. Surv. of Canada.
- Mineral Policy Sector; Corporation Files: "Friday Mines Limited"; "United Hearne Resources Ltd."; "Aurora Gold Ltd.".

MAP REFERENCES

Map 15-1961, Kettle River, (Geol.), Sc. 1":4 miles, Geol. Surv. of Canada.

#Map 341 A, Keremeos, (Geol.), Sc. 1":1 mile, Geol. Surv. of Canada, 1940.

*Map 82 E/4, Keremeos, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR	JL					
Date	8-79	10-90					