

PRODUCT	GOLD	PROVINCE OR TERRITORY	British Columbia	N.T.S. AREA	94 C/5	REF. AU 1
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NAME OF PROPERTY GRANITE BASIN, HALQUINN, RED DYKE

OBJECT LOCATED - #9, Map 1030 A.

UNCERTAINTY IN METRES 500. Lat. 56°28' Long. 125°51'

Mining Division **Omineca** District **Cassiar**

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The showings consist of broad, pyritized bands in Upper Triassic and Later Takla group andesite and intercalated sedimentary rocks invaded by small bodies of Omineca intrusions. Four pyritized bands are exposed within a horizontal distance of about 2,000 feet on the east end of the precipitous south wall of the cirque. They appear to consist mainly of sill-like bodies of porphyritic diorite trending about parallel with the bedding of the tuffs and argillites which, farther to the west, are seen to strike northeast and dip 40 to 60°NW. The most easterly of these bands is split by an unmineralized porphyry dyke about 60 ft. wide. The pyritized bands do not have definite margins, and are not uniformly mineralized. Minute grains of chalcocopyrite, and what appear to be bornite and tetrahedrite, were noted in one specimen, but copper mineralization has nowhere been sufficient to yield a conspicuous copper stain. Assays from the workings on the easternmost band were in places encouraging across widths of as much as 45 feet, and the highest part of the zone carried up to 1/3 ounce gold a ton across 30 feet. A sample across 40 feet in the upper workings assayed: gold, 0.2 ounce a ton.

HISTORY OF EXPLORATION AND DEVELOPMENT

The showings occur between elevations of 5,150 and 6,000 feet on the south wall of a northeast facing cirque draining into Lay Creek, some 4 miles northwest from the west end of Aiken Lake.

The 8 claims in the Granite Basin group were owned and prospected by The Consolidated Mining and Smelting Company of Canada Limited during 1937. Exploration, consisting of trenches, open-cuts, and two adits totalling 379 feet of underground workings, was confined largely to the most easterly pyritized band.

The Halquinn and Red Dyke groups were staked in the summer of 1947 by independent prospectors on the "Granite Basin" mineral zone, immediately south of and adjoining the Granite Basin claims. No exploratory work has been reported on them.

The Susie 1-20, 24, 25, and Susie 21-23 Fractions, owned by D. Stelling of Fort St. James, were under option to Union Miniere Explorations and Mining Corporation Limited in 1972 and 1973. Work included a geochemical soil survey (approximately 300 samples) and continuous rock chip sampling of 65 feet of exposure on 156 feet of line across the pyritized zone. In 1974 Mr. Stelling optioned the Susie group to Susie Gold Mines Ltd. Work during the period 1974-76 included geochemical soil and rock chip surveys, trenching, and geological mapping.

The showings were re-staked in late 1979 by N. Burmeister, of West Vancouver as the Granite Basin 1-6 claims, and optioned to Mark V Petroleum & Mines Ltd. early in 1980.

HISTORY OF PRODUCTION

REFERENCES

Roots, E.F.; Geology and Mineral Deposits of Aiken Lake Map Area, British Columbia; Memoir 274, p. 217, Geol. Surv. of Canada, 1954. +

Lay, Douglas; Aiken Lake Area, North-Central British Columbia; Bulletin No. 1, 1940, pp. 15-18, British Columbia Dept. of Mines. ++

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1973, p. 397; 1975, p. E 158; 1976, p. E 171.

Jones, H.M.; Report on Granite Basin Property, February 2, 1980 - in Mark V Petroleums & Mines Ltd. Statement of Material Facts 1/81.

MAP REFERENCES

#Map 1030 A, Aiken Lake, (Geol.), Sc. 1":4 miles - accomp. Memoir 274.

Preliminary Map 48-5A, Aiken Lake, (Geol.), Sc. 1":2 miles - accomp. Paper 48-5.

Map 94 C, Mesilinka River, (Topo.), Sc. 1:250,000.

REMARKS

Comp./Rev. By

DMacR

DMacR

Date

6-76

07-81

BCI 94 C - 9, 10, 11.