

NAME OF PROPERTY DOT (L.H.) (GOLD BRICK) (HORSESHOE) (REX)

OBJECT LOCATED - canyon showing.

UNCERTAINTY IN METRES 300. Lat. 54°18'15" Long. 126°37'25"

Mining Division Omineca District Range 5 Coast

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT.

A canyon about 400 feet deep begins about half a mile above the mouth of the creek. The lower half-mile of the canyon is cut in much-altered, sparsely mineralized, volcanic rocks of the Hazelton group, beyond which the canyon is cut in Tertiary basalt. The older volcanic rocks were originally breccia and andesite and are now almost completely altered to a light grey, earthy mixture of sericite, kaolin, and probably other minerals. The rock contains much yellow iron stain. Away from the altered zone, the volcanics are intruded by small dykes of syenite porphyry and diabase, but within the altered zone the rocks are so changed that it is impossible to determine whether intrusives are present.

For about 1,500 feet along the canyon, the rock contains sparse disseminations of pyrite, sphalerite, and galena. Where the rock is breccia, in some places the fragments are replaced and in others the matrix. Greater amounts of sulphides occur in stringers that traverse the rocks in all directions; most of these are very narrow, but one 8-inch stringer was observed.

see Card 2

Associated minerals or products of value - Silver, lead, zinc.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located on Buck and Bob Creeks, 6 miles south of Houston. The main showings are in the Bob Creek canyon but similar showings are exposed to the southwest on the ridge between Bob and Buck creeks, at the mouth of Bob creek, and on Buck creek about 1 mile above the mouth of Bob creek.

Claims were staked on the Bob creek canyon showings prior to 1914 and sampling carried out. The Buck group of 20 claims, located at the junction of Buck and Bob creeks, was owned in 1927-28 by Messrs. Carter, Quinn, Raymond, and Rush. An adit was driven about 20 feet at that time. The Horseshoe group (8 claims) also known under the names Rex, and Gold Brick, covered the Bob creek canyon showings. In 1928 the claims were owned by G.W. Smith, E.E. Barnum, and A. and M. Des Brisay. Two adits, 43 and 15 feet long, were driven at that time. A.J. MacPherson and associates optioned the property early in 1933 and in September of that year incorporated Houston Gold Mines, Limited. A small test mill was installed and during 1934 a total of 202 tons were milled; results were unsatisfactory.

The Risk and Hope claims (Bellefield Group) were located about 1 mile southwesterly from the Bob creek canyon showings, on a ranch owned in 1928 by R. Hayes. Open cutting was done during the period 1928-1930; these showings were held in 1936 as the Ruby claim group. Similar showings, on the Buck River southwesterly from the Ruby group, were held in 1936 as the Ark group.


Transcontinental Resources Limited optioned the property in 1952 and carried out detailed geological mapping. In 1957 G.W. Smith held the property as the Dot and Rod groups. Mindev Explorations (Alberta) Ltd. optioned the claims and carried out bulk sampling and diamond drilling; the option was subsequently dropped.

Triform Mining Ltd. and Coast Explorations Ltd. in 1965 jointly optioned 56 claims in the Dot, Rod, L.H., and G.S. groups from G.W. Smith. Work included a geochemical soil survey (169 samples), 4,500 yards of overburden stripping, and trenching; the option was subsequently dropped.

The Dot 3-5, Ton 1-8, Rod 4 and 6, and Luky 1-40 claims, owned in 1968-69 by Lorne Hanson, were under option to American Smelting and Refining Company. Prospecting, sampling, and 2,090 feet of diamond drilling in 7 holes was carried out.

HISTORY OF PRODUCTION

REFERENCES

Lang, A.H.; Houston Map-Area, B.C.; Paper 40-18, p. 17, 
 Geol. Surv. of Canada.

Lang, A.H.; Mineral Deposits at Buck Flats; Summary Report
 1929, Pt. A., p. 92, Geol. Surv. of Canada.

Reports of Minister of Mines, British Columbia: 1914, p. 234;
 1916, p. 127; 1927, p. 140; 1928, pp. 172, 173; 1930,
 p. 143; 1932, p. 85; 1933, p. 98; 1936, p. C 37; 1952,
 p. 95; 1957, p. 12; 1965, pp. 80, 81; 1968, p. 138.

Kerr, F.A.; Mineral Resources along the Canadian National
 Railway between Prince Rupert & Prince George, British
 Columbia; Paper 36-20, pp. 121-125, Geol. Surv. of
 Canada.

Geology, Exploration, and Mining; British Columbia; Dept. of
 Mines: 1969, p. 122.

Mineral Policy Sector; Corporation Files: "Houston Gold
 Mines, Limited"; "Lucky Strike Mines Ltd."

Lode-Gold Developments in British Columbia During 1932;
 Bulletin No. 3, 1932, British Columbia Dept. of Mines.

MAP REFERENCES

Map 671 A, Houston, (Geol.), Sc. 1":4 miles.

Map 5308 G, Houston, (Aeromag.), Sc. 1":1 mile.

#Map 93 L/7 E, Houston, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	1-76						

PRODUCT

GOLD

PROVINCE OR
TERRITORY British Columbia

N.T.S. AREA 93 L/7

Card 2 -
REF. AU 1

NAME OF PROPERTY DOT (L.H.) (GOLD BRICK) (HORSESHOE) (REX)

DESCRIPTION OF DEPOSIT (continued)

Mr. Smith stated that twenty-eight samples taken by an examining engineer assayed from 0.01 to 0.25 ounce in gold and 0.10 to 0.90 ounce in silver a ton, and that picked samples from the stringers gave high assays in gold and silver.

On the Buck group two short adits were driven on two narrow shear zones, the hanging-wall of each shear containing an irregular stringer of galena and sphalerite with a gangue of quartz and barite. A sample of selected mineral assayed: gold, trace; silver, 42.5 ounces; lead, 7 per cent; zinc, 7 per cent.

On the Horseshoe group a short adit has been driven into the right side of the canyon, exposing disseminations and small seams of pyrite, sphalerite, and a little galena, but no definite vein is exposed. A sample from the seams along assayed: gold, 1.4 ounces; silver, 2.2 ounces; lead, 0.4 per cent; zinc 1.8 per cent. A grab sample over 30 feet along the walls of the tunnel assayed: gold, trace; silver, trace; lead, nil. zinc, 3 per cent.

*Mr. Smith's Mining**1477**Dr. Part of Gold Brick**B.P. Silver CV with America?**11.11 5/22/85*