

PRODUCT	LEAD	PROVINCE OR TERRITORY	British Columbia	N.T.S. AREA 82 K/14, N/3	REF. PB 1
NAME OF PROPERTY			HISTORY OF EXPLORATION AND DEVELOPMENT		
ALPHA, BENNISON, BOSTON, INTERNATIONAL, MAUD S.			The property is located at elevations of 7,500 to 8,500 feet on the summit of the divide between Bobby Burns Creek, a tributary of the Spillimacheen River, and Benninson Creek, a tributary of the Duncan River, some 20 miles south-southwest of Golden.		
OBJECT LOCATED - Alpha No. 2 (Lot 5113).			Information on early activity in the area is incomplete. Development work on the southeasterly side of the summit, in what was known locally as International Basin, was carried out on the International, Maud S., and other claims. Considerably more of the initial development work was done on the northwesterly side of the summit, on the Bennison Group, access being by way of the Beaver River from the C.P. Railway at Stony Creek.		
UNCERTAINTY IN METRES 300. Lat. 51°00'00" Long. 117°09'20"			Showings on the southeast side of the summit were staked in about 1890 as the Chief of the Selkirks claim, and re-staked in about 1892 as the International. This claim was sold in 1893 to Toronto interests. The workings in 1894 included an 80 foot adit and open cuts. The International claim (Lot 661) was Crown-granted to J.F. Armstrong in 1895. By 1898 the claim was owned by J.L. Spinks and associates of Toronto; the workings at that time included a 50 foot shaft.		
Mining Division	Golden & Slocan	District	The Favorite claim, located directly below the International and owned by G. Stark and M. Dainard, was Crown-granted in 1898. The Maud S. and Standby claims were located adjoining the International on the northeast. The Maud S. (Lot 649) was Crown-granted to G. Gore in 1893 and the Standby (Lot 761) to W.D. McKay in 1894. The workings in 1898 included a 250 foot adit on the Maud S. and a 90 foot adit and 40 foot shaft on the Standby. The Picton claim, adjoining the Maud S. and owned by L.B. Keyser of Golden, was developed by a 50 foot shaft.		
County	Township or Parish		The Bennison Group was held in the late 1890's by Kootenay Consolidated Mining Company, of Everett, Washington. Work to 1898, mainly on the Boston claim, included open cuts, the No. 1 adit comprising about 260 feet of crosscuts and drifts on the Boston vein, and the No. 2 adit, 750 feet below No. 1 adit, comprising a 158 foot drift on the Bennison vein and a crosscut towards the Boston vein. About 300 feet west of the Boston vein an adit was driven 35 feet on another vein. Some further activity was reported in 1902.		
Lot	Concession or Range		The Beaver Canyon Mining Company, Limited, incorporated December 1902, acquired the Bennison group and during 1903-		
Sec	Tp.	R.	p.t.o. ....		
OWNER OR OPERATOR AND ADDRESS					
DESCRIPTION OF DEPOSIT					
Map 43-1962 indicates the area is underlain mainly by grit and quartzite of the Proterozoic Horsethief Creek Group.					
"The information which is clearly defined in the bluffs and ridges of the summit, has been folded to form a large anticline. The rocks mostly in evidence are schists and impure quartzites. The schists are of a greenish-grey colour and are mineralized in varying degrees with iron pyrites, which imparts a rusty colour upon oxidation. In places cubes of iron pyrites and their casts are a distinct feature of the formation.					
Cutting this formation there is a series of strong, well-defined quartz veins running north and south, which are intersected by another series running about N60°W. Enrichment has taken place at the intersection of these two vein systems and only at and near these points are the values said to be sufficiently high to constitute ore.					
These veins which are freely exposed in the bluffs above the camp, have been laid bare on the glaciated bench above and can easily be traced for a considerable distance across the summit towards the Duncan vein." (Report of Minister of Mines, British Columbia, 1922, p. 182). The quartz veins locally contain gold-bearing iron sulphides, and small amounts of galena and tetrahedrite.					
Associated minerals or products of value - Gold, copper.					

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

04 a 700 foot long adit was driven from the southeast side of the summit with the goal of exploring at depth the largest and most important showing, which occurs on the northwesterly side. The Alpha Fr. (Lot 5106), Alpha No. 2 (Lot 5113), Alpha (Lot 6875), Omega (Lot 6786), and Omega No. 2 (Lot 6787) were Crown-granted to the company in 1905.

No further activity was reported until 1921 when W. Orville Young and associates carried out some work on the Boston (Bennison) and International groups. Alpha Mines Syndicate, Limited in 1922 acquired the property under the name Alpha group. The long crosscut driven in 1903-04 was extended during the fall and winter of 1922-23; work ceased early in 1923. The property was re-examined in 1929 by interests associated with the Syndicate.

Bonanza Explorations Ltd. in 1965 acquired the 8 Crown-grants and the Alpha group of 11 recorded claims. The Kingston adit at 8,200 foot elevation was rehabilitated. During 1966 the company carried out geological mapping, trenching, 610 feet of surface diamond drilling in 4 holes, and 2,100 feet of underground diamond drilling in 7 holes from the Kingston adit. Work was suspended in September 1966.

MAP REFERENCES

Map 43-1962, Rogers Pass, (Geol.), Sc. 1":4 miles - accomp. Paper 62-32, Geol. Surv. of Canada.

#Map 82 N/3 E, Mount Wheeler, (Topo.), Sc. 1:50,000.

Map 82 K/14 E, Westfall River, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	3-78						

REFERENCES

Reports of Minister of Mines, British Columbia: 1890, p. 373; 1892, p. 536; 1893, p. 1064; 1894, p. 748; 1895, p. 672; 1896, pp. 530, 556; 1898, pp. 1050 ++, 1051, 1053, 1054, 1187; 1899, p. 665; 1902, p. 133; 1903, p. 106; 1904, p. 112; 1905, pp. 248, 250, 252; 1911, p. 290; 1917, p. 142; 1921, pp. 123, 124, 164, 346; 1922, p. 182 + ; 1923, p. 195; 1929, p. 291; 1934, p. E-28; 1936, p. E-25; 1965, p. 203; 1966, p. 235.

Mineral Policy Sector; Corporation Files: "Bonanza Explorations Ltd."