

## NAME OF PROPERTY

BIG STAR (NORTH STAR)

## OBJECT LOCATED - adits.

UNCERTAINTY IN METRES 100.

Lat. 50°00'48" Long. 126°46'40"

Mining Division Alberni

District Rupert

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

## OWNER OR OPERATOR AND ADDRESS

## DESCRIPTION OF DEPOSIT

An east-west shear and cross-fracture zone dipping 65 degrees north occurs in quartz diorite. The zone varies in width from 50 feet at its western end to 5 feet at its eastern end.

Quartz-sulphide and quartz-calcite stringers, ranging up to 3 inches in width and 30 feet in length, cut the shear zone diagonally in an east-northeasterly direction. The stringers contain pyrite, arsenopyrite and small amounts of sphalerite and galena.

Reserves were estimated in July 1942 to be 70,000 tons at 0.136 ounces of gold per ton. (Spud Valley Gold Mines, Limited file).

## HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located east of the head of Goldvalley Creek about 2 miles southeast of Zeballos River between 2,400 and 2,900 feet.

The property includes the 11 Crown granted claims, North Star, North Star No. 1, Doolie Fraction, Golden Lode, Golden Spray, Golden Rocket, Nod Fraction, Don Fraction, A.T. No. 5, Golden Nugget and Golden Key (Lots 1716 to 1718, 1720 to 1725, 1747 and 1746, respectively).

The original claim, the North Star, was staked in 1937 by Sam Knutsen. This and adjacent claims were acquired by A.B. Trites in 1938. Big Star Gold Mines, Limited was later formed to acquire the property and in 1941 this company became a wholly owned subsidiary of Spud Valley Gold Mines, Limited.

Between 1937 and 1942 work consisted of open cutting and driving 2 adits. Drifting and stoping were carried out in No. 2 and 3 adit until the property was closed in June 1942.

The mine was reopened in 1946 and work was started on a new adit, No. 5, 300 feet below No. 3 adit. Work was suspended later that year due to fire.

The Spud Valley Gold Mines, Limited became Valley Explorations Limited in 1957.

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

120597

Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa.

## HISTORY OF PRODUCTION

From February 1942 to July 1942, 15,000 tons of sorted ore, averaging about 0.27 ounce of gold per ton is reported to have been trammed to the Spud Valley mine mill. (Stevenson, 1950, p. 102).

## REFERENCES

- Reports of Minister of Mines, British Columbia: 1941, p. 70; 1942, p. 65; 1946, p. 179; 1947, pp. 180, 230.
- Muller, Northcote, and Carlisle; Geology and Mineral Deposits of Alert-Cape Scott Map-area; Paper 74-8, p. 58, Geol. Surv. of Canada, 1974.
- Stevenson, John S.; Geology and Mineral Deposits of the Zeballos Mining Camp; Bulletin No. 27, pp. 105, 102-104, British Columbia Dept. of Mines, 1950. +
- Hoadley, J.W.; Geology and Mineral Deposits of the Zeballos-Nimpkish Area, Vancouver Island; Memoir 272, p. 64, Geol. Surv. of Canada, 1953.
- Stevenson, J.S.; Lode-Gold Deposits, Vancouver Island; Bulletin No. 20 - Part V, p. 18, British Columbia Dept. of Mines, 1944.
- Bancroft, M.F.; Zeballos Mining District and Vicinity, British Columbia; Paper 40-20, pp. 26-28, Geol. Surv. of Canada, 1940.
- Mineral Development Sector; Corporation Files: "Spud Valley Gold Mines, Limited"; "Valley Explorations Limited"; "Big Star Gold Mines, Limited".

## MAP REFERENCES

- \*Map 92 L/2, Woss Lake, (Topo.), Sc. 1:50,000.
- #Sheet 92 L (MI), Alert Bay, Revised Mineral Inventory Map, Sc. 1:250,000, British Columbia Dept. of Mines, 1969.
- Fig. 2, Zeballos Mining Camp, Areal Geology, Sc. 1": 1,600 feet - accomp. Bull. No. 27, British Columbia Dept. of Mines, 1950.
- Map 4-1974, Alert Bay-Cape Scott, (Geol.), Sc. 1:250,000 - accomp. Paper 74-8, Geol. Surv. of Canada, 1974.

## REMARKS

See Spud Valley - 92 L/2, AU 10.

Comp./Rev. By	LJ						
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