

Property File
082 FNE 067

001896

September 1924.

ABSTRACT OF REPORT OF

C.C. STARR

NAME OF PROPERTY: Pollen - Dewar - Meacham Groups.
DISTRICT: Fort Steele Mining Division, B.C.
KIND OF MINE: Gold - Silver & Copper.
PRESENTED BY: C. Hungerford Pollen, Cranbrook, B.C.
DATE PRESENTED: August (?) 1924.
DATA PRESENTED: Letters.
PROPERTY: Ten claims were included in the examination as follows:- Blue Peter, Wheel of Fortune, Amster, Maud, Blue Peter Fr., all crown granted, and owned by Mr. Pollen; Mystery, crown granted and the Thistle, owned by Robert Dewar of Fort Steele; Alice and an unknown Fr., owned by Duncan Dewar of Fort Steele; the Magnet, crown granted, owned by William Meacham of Marysville, and William Carlin of Fort Steele.
LOCATION: The property is located on Alki Creek, which flows into St. Mary's Lake from the North; it is 17 miles from Marysville, which is on a branch of the C.P.Ry.
FINANCIAL: The Pollen claims are held at \$40,000 and the Robert Dewar claims at \$35,000, with time allowed for exploration. No price is given on the other claims.
TRANSPORTATION: A good road leads from Marysville to within 4 miles of the claims, a steep trail 3 to 4 miles long leads to the property.
POWER WATER & TIMBER: There is sufficient water crossing the claims to develop a small amount of power the year round,

Pollen etc.

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and a considerable amount for six months in the year. There is considerable good mining timber on the Pollen property, but little on the others.

DEVELOPMENT: The principal work done on the various claims is as follows:-

no number — Wheel of Fortune

Shafts and Inclines 40 feet, tunnels 10 feet.

82FNE068 — Blue Peter

Tunnel 145 feet, and second tunnel caved.

82FNE067 Mystery

3 tunnels 237 feet, winze 27 feet.

Alice

2 tunnels 22 feet, incline 20 feet.

Thistle

tunnel caved.

Magnet

Open cuts.

Claim south of Magnet

two tunnels 60 feet, 2 shafts, 40 feet plus.

Totals;- Tunnels 524 feet, shafts and inclines 147 feet.

GEOLOGY: The formation is Aldridge quartzite, which has been intruded by large sills of diorite. The rocks lie approximately horizontal. The veins consist of quartz with varying amountsoof pyrite, pyrrhotite and chalcopyrite occuring entirely within the diorite, which has a thickness over 500 feet and less than 2000 feet. The veins do not penetrate the quartzite, and are probably mineralized shrinkage cracks in the diorite.

VEINS:

The Wheel of Fortune

Work has been done on a much broken vein 100 feet below the quartzite; bunches of well mineralized quartz constitute the showing.

Blue Peter

The vein strikes North 40 degrees west, and dips steeply south; above the tunnel it outcrops for 60 feet for a width of 7 or 8 feet, and appears to be well mineralized. Toward the face of the tunnel the mineralization decreases very decidedly. Two samples from the tunnel and one from a dump show very low values

MYSTERY

The Mystery east vein varies from 1 to 7 feet wide, and in places the diorite walls are mineralized for a width of 5 or 10 feet. The strike is North 30 degrees west, and the dip 75 west. The mineralization is somewhat erratic. The numerical average of nine samples is Gold. .06 oss, Silver .9 oz copper 1.6%

On the west vein the strike is North 50 degrees east and dip ~~not~~ vertical. The width is $1\frac{1}{2}$ to 2 feet at the end, then widens to 4 feet for a length of 40 feet, then narrows again. In the wall of this vein, at one point there is ore with a minimum of quartz and hornblende gangue. Where cut by a cross vein, there is a considerable increase in size and value of the ore. The average value across this intersection for a width of 7.4 feet is gold .05 oss, silver 1.0 oss, copper 6.0%. The average over this 40 feet above mentioned, is 3.4 feet wide, ~~xxxxxxx~~ .05 oss gold, 1.1 oss silver, 9.21% copper

Alice.

The Alice vein is now apparently of no great value.

Thistle

a $2\frac{1}{2}$ foot vein is exposed in an open cut, and is of low value.

Magnet

The Magnet vein strikes north and south, and dips 60 degrees east. It outcrops strongly for nearly 1000 feet, but is very erratic in width and value, though generally low. The vein filling is white quartz, with very minor sulphide.

Claim south of Magnet.

The magnet vein outcrops for a long distance and shows from 1 to 35 feet wide. The vein filling, which is white quartz shows very little mineralization.

CONCLUSION:

Both in size and value the veins vary much from place to place, and ore shoots are small. It is not probable that the property will make a profitable mine, but some further development of the west vein of the Mystery seems justified to find the extent of the ore exposed there.