

Extra copy for PTM file.

Mr. John McConville,  
Vancouver, B. C.

92K/3E

92K/13

Dear Sir:-

Referring to your property at Bold Point, Valdez Island. The main zone of mineralization appears to follow a contact of lime and granite. This shows up quite plainly in your tunnel No. 1 and in the vein outcrop in the bluff above the tunnel to the top of the hill.

That it extends to the south west is evident just inside the portal of your No. 2 tunnel where the banded limestone shows in the right hand side of the tunnel, and you told me that you did find some mineral at this point when you were driving this tunnel.

This No. 2 tunnel was driven for the purpose of prospecting the vein exposed in several open cuts on the hillside above it. The tunnel struck the vein but there is no ore in it. This may be due to striking the vein in a lean spot. A drift to the west may pick up the ore in a short distance; or a diamond drill hole driven from the surface, parallel with the tunnel, and at the same level as the tunnel would probably be a cheaper way of prospecting the ground.

At the upper tunnel, a diamond drill hole or two, driven from the limestone bluff north east of the cave, in a direction at right angles to the strike of the vein on the top of the hill would be a very good plan to follow in locating this vein at a depth of 300 feet below its outcrop. I believe you can get some of the diamond drilling outfits to do this work for you for about \$3.25 per ft. which is much less than you can drive drifts in this hard rock by hand. The work should be very carefully laid out and core boxes prepared to take care of the cores. The first two or three holes should be drilled horizontally.

Yours truly,  
(Sgd) H.E. Purcell.

Vancouver, B. C.  
Dec. 20. 1916.

SYNOPSIS OF SANTA ANA GROUP MINERAL CLAIMS.

LOCATION

The property is about 100 miles north of Vancouver, on the S. E. portion of Quadra or Valdez Island, Nanaimo Mining District, British Columbia.

It consists of seven (7) claims, full sized 1500' x 1500', containing 364 acres more or less and known as the Santa-Ana, Euroka-Sadie, Lincoln, Columbia, Lucky Jack, Diana, Marjorie.

They lie at an elevation of from 400 to 750 feet above tidewater, with a natural outlet to a good harbour with plenty of deep water for all shipping facilities, good boat connections to Vancouver and all other points, and both telegraph and telephone connections.

DESCRIPTION OF WORK AS WELL AS ORE OUTCROPPINGS.

There is a strong vein running through the Eureka, Columbia, Santa Ana Claims, varying in width from 10 and 15 feet of rich copper ore, also three feet of Quartz carrying good gold values.

The hanging wall is Gneiss and the foot wall Lime.

Most of the work has been done on the Eureka and Santa Ana Claims.

On the Eureka, there has been about 800 feet of stripping on the lead and two open cuts showing a well defined lead and exposing the vein for about 15 feet to the hanging wall, carrying rich Chalcopyrite Ore that averages all the way across better than 8% Copper and about \$2.00 in gold.

On open cut number two, which is about 400 feet away from number one, they exposed the vein for about 12 feet showing approximately the same values as in number one, they also run through a white Quartz carrying gold values up to \$10.00.

There has been a cross-cut tunnel run in on this claim for 180 feet tapping the lead at 120 feet, being off strike of the Ore shoot at the surface. There has been no drifting on the lead to tap the Ore shoot.

One, the Santa Ana; there is an Ore body showing on the surface 20 feet across to the Lime contact. This is handed showing copper values up to 8%.

There is also a tunnel driven on the lead for 100 feet, going through an Ore body for 40 feet to the Lime contact.

Assays taken in this tunnel all the way across about 20 feet in show an average of 8% copper and \$1.80 in Gold.

At the Lime contact there is an off-shoot of very rich Ore showing values of 100 Dollars in Copper Silver and 57 Dollars in Gold.

Work is now being carried on in number One tunnel and a shipment approximating 175 tons has been made to the Granby Smelter at Anyox, B. C. This shipment was taken out at a total expense of \$5.00 per ton for mining, sorting and hauling to tide-water. The returns from the Smelter are as follows:-

COPPER .....	4.28%
SILVER .....	2.8 oz.
GOLD .....	.002 "

The following is a copy of the Certificate of Assay:-

Description	%	oz. per ton		%	%	%	%	%
	Copper Net	Silver	Gold	Insol.	Sillica	Iron	Lime	Sulphur
Bold Point # 1	4.28	2.8	.002	72.4	36.8	18	17.5	5.8
	%	%						
	Alumina	Water						
	6.5	1.5						

Anyox, B. C. Dec. 22, 1916.

(Sgd.) A. R. Hodgson.

They have a waggon road at present about 1½ miles from tide-water to the property but this could be shortened by half the distance and have the same convenience.

Recently there has been a number of open cuts made in various places as well as more striping on the lead, exposing the Ore to good advantage.

In conclusion, I may say that I have never seen anything on the Coast that compared with this property where an Ore Body can be proven up at such a small cost and where the surface indications as well as the work already done have shown such good results. It is, in my opinion, a long way past a prospect stage and has every indication of making a good paying mine.

(Sgd.) N. J. Hansen,

Vancouver, B. C.

ASSAYS

	<u>%</u> <u>GOLD</u>	<u>Amt.</u>	<u>%</u> <u>Silver</u>	<u>Amt.</u>	<u>%</u> <u>Copper</u>	<u>Amt.</u>	<u>TOTAL</u>
1	0.09	1.80	4.00	3.20	7.24	28.96	33.96
2	0.69	3.80	3.40	2.72	5.63	22.52	39.04
3	0.23	4.60	3.30	2.64	10.61	42.44	49.68
4	0.04	0.80	2.70	2.22	4.22	16.88	19.90
5	0.09	1.80	3.70	2.96	11.74	46.96	51.72
6	0.20	4.00	2.80	2.24	4.57	18.28	24.52
7	0.51	10.20	3.60	2.88	6.29	25.16	38.24
8	0.75	15.00	2.70	2.16	6.11	24.44	41.60
9	0.10	2.00					2.00
10	0.06	1.20	3.60	2.88	4.08	16.52	20.40
11	0.01	.20	4.10	3.28	6.20	24.80	28.28

AVG.

COPPER .....	\$	34.73
Silver .....		3.39 OZ
GOLD .....		5.34

Since the foregoing report was made, work was resumed on this property in 1918 and it has been shown that the ore in Tunnel No. 1 is continuous and of good average quality running from 6% to 8% Copper and carrying 4 oz. Silver and from \$1.00 to \$2.00 in Gold.

Twenty (20) feet from the portal of No.1 tunnel, they have cross-cut the lead for 10 feet, showing a large body of Ore averaging 4% Copper. They have also several open-cuts along the ledge, one about 80 feet higher up where the Ore body shows to be continuous. Still higher, here, we get the contact on the Ledge and it is just as strong and they also expose good Ore Shoots at various places along the ledge (see Map for approximate location.) In some of the open cuts, the Ore body runs from 20 to 40 feet wide and of good quality, practically the same as lower ones referred to in this Report. About 700 feet from where the shipment was made out of No.1 tunnel and to the West and not mentioned in the Engineer's report they have uncovered another big Ore body about the same values as mentioned above. With further developments, we feel certain that this property will prove up.

(SGD.) John McConville.

SANTA ANA, BOLD POINT, QUADRA ISLAND, B.C.

Report by John McConville, owner of property. --

States ore body about 20 ft. wide developed by  
open cuts.

Shipment of 175 tons to Granby Smelter gave  
Copper 4.28% - Silver 2.8 ozs. and gold .002 ozs.

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