

# SANTANA COPPER SYNDICATE

B.C.'s Second Granby

## PROPERTY

The property consists of twenty-six (26) mineral claims covering an area of One Thousand Three Hundred and Fifty (1,350) acres, for which Bills of Sale free from encumbrances have been executed to the Syndicate.

## LOCATION

QUAORA

The property is located about one mile from Bold Point Landing, ~~Vancouver~~ Island, in the Nanaimo Mining Division of British Columbia, One Hundred and Ten (110) miles from Vancouver on Gulf of Georgia.

## ACCESSIBILITY

Transportation facilities are excellent as the Union Steamship Company steamers make two calls a week to Bold Point Landing. A wagon road of one and a half miles from the landing passes through the property on easy grade to the tunnel portals. New proposed smelter site of Consolidated Mining & Smelting Co. on Lois River is situated only 45 miles south by direct water transportation from the property.

## OWNERSHIP OF PROPERTY

Santana Copper Syndicate property is owned outright and has been fully paid for by a consideration to the Vendors of 1,500 of the original 3,000 units. Title now held by Trustee for the Syndicate until the property is developed to a stage of production.

## GEOLOGY

The rocks are chiefly metamorphosed limestone which contact with granodiorite having gneissic structure. The line of contact is well defined and has general N.W. strike. The concurrences of the Copper Sulphide Ore on the property are apparently lenticular in structure and belong to the contact-metamorphic type. The ore occurs at the contact between the limestone and the granodiorite rocks. For a distance of 4,000 feet in North Westerly direction outcropping of chalcopyrite associated with pyrrhotite and iron pyrite occur.

## PROPOSED DEVELOPMENT

Mr. John McConville, the original owner of Santana Mineral Claims, who is a practical mine superintendent and has operated several of Texada Island properties, will act as "Syndicate Manager" and shall have full charge of the development work.

The Syndicate will erect suitable camp buildings and install necessary machinery and equipment for economical development of the property.

The Upper Tunnel, which cross-cuts the ore body for forty feet to the lime contact, will be driven on the ore strike for a distance of 200 feet. This will be 100 feet below ore outcrop. A Second Tunnel will be driven about 100 feet below the portal of Upper Tunnel and at 125 feet should cross-cut the surface showing on the lime contact. With this work completed ore will be exposed on four faces, and should bring the property into shape to start production within a very limited time. It is also proposed to prospect with open cuts and shafts a new discovery of 50 feet of commercial ore 3,000 feet from the present workings, on the same vein.

## WATER AND TIMBER

Ample water for power and domestic use are close at hand. 500 H.P. Hydro Electric could be developed from Main Lake situated one and a quarter miles from camp site. It is estimated that there are five million feet of timber suitable for lumber and mine timber adjoining camp site.

## ORE

Outcrops have been stripped and fourteen open cuts made which show commercial ore assaying from 4% to 16% copper, 4 oz. silver and value of \$2.00 in gold over a width of 12 to 70 feet with an average of 30 feet in width and 3,000 feet in length.

Ten samples taken over a distance of 2,000 feet of surface showings gave values as follows:

	Gold oz.	Silver oz.	Copper %	Total
1.	0.09	\$ 1.80	4.00	\$2.08
2.	0.69	13.80	3.40	1.77
3.	0.23	4.60	3.30	1.71
4.	0.04	.80	2.70	1.40
5.	0.09	1.80	3.70	1.92
6.	0.20	4.00	2.80	1.46
7.	0.51	10.20	3.60	1.87
8.	0.75	15.00	2.70	1.40
9.	0.06	1.20	3.60	1.87
10.	0.01	.20	4.10	2.13

Silver @ 52c Copper @ 18c Average Value \$31.27

It is estimated that mining, transportation and smelting charges for raw ore will not exceed \$6.00 per ton. Assuming that the above assays show a fair average value, excellent returns can be expected.

A sample shipment of 175 tons of ore was shipped to Granby Smelter at Anyox, B. C. This shipment consisted of a fair average grade of ore taken across twenty feet in Upper Tunnel and returns are as follows:

## CERTIFICATE OF ASSAY

%	oz.	%	%	%	%	%	%	%	
Cop- per	Sil- ver	Gold	Insol.	Sil- lica	Iron	Lime	Sul- phur	Alum.	Wa- ter
4.28	2.8	.002	72.4	36.8	18	17.3	5.8	6.5	1.5

Being sulphide ore and containing only 18% iron, 17% lime, 36% silica makes it a self-fluxing ore. An offer was made to the Vendors of Santana by Tacoma Smelters in year 1917 to treat this ore free of charge, and take up to 10,000 tons a month.

## REPORTS BY PROFESSIONAL MINING ENGINEERS

Santana Mineral Claims have been examined by eminent and reputable mining engineers and geologists, the consensus of whose opinion is that the property is decidedly meritorious, owing to the excellent surface showing of over 4,000 feet of primary ore, and possesses possibilities of becoming one of the principal Copper Mines on the Coast. A prominent Mining Engineer who recently examined the Santana Mineral Claims stated that he had seen more ore in one day there than he had seen on thirty-four mining properties which he examined this year.

N. J. Hansen, M. E. (Report 1916):—"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 done have shown such good results. It is in my opinion a long way past a prospect and has every indication of making a good paying mine."

H. E. Purcell, M. E., who was employed by C. M. S. C. made an examination of this property in 1919 for the owners and recommended diamond drilling to be done to a depth of 300 feet below the surface outcrops at the lime-stone bluff.

Arthur Lakes, M. E. (1929):—"From a preliminary inspection in May, 1929, I consider that this property is well worthy further prospecting and exploration by surface trenching, tunnelling, and diamond drilling."

The Santana Copper has engaged Mr. Lakes as Consulting Engineer for the Syndicate, and his reports will be on file in their Office.

## FACTS WORTH KNOWING ABOUT DEVELOPED MINING PROPERTIES

Anaconda Copper Mine was sold fifty years ago for \$38,000.00. They sold half of it to Marcus Daly for \$800.00. Daly thought he had a silver mine but when the shaft was down a hundred feet he found a Copper Mine. Since that date probably 500,000,000 tons of ore have already been mined and a billion tons more will be recovered before Butte is abandoned, worth \$4,000,000,000.00.

Utah Copper is making huge profits from ore averaging less than 1% copper, with no silver or other by-products in the ore.

Chili Copper is earning \$50,000,000 a year net, mining and manufacturing ore averaging 38 lbs. of Copper to the ton with no gold or silver.

Miami Copper Co. has been paying handsome dividends on ore valued at \$2.25 per ton.

Britannia Mine makes a huge profit from ore averaging 1.65% copper.

\$100.00 invested in Horne Syndicate brought the owner 100 shares Noranda Stock, at to-day's market \$60.00 a share, or \$6000 for a \$100.00 investment.

Sherritt Gordon paid handsome bonus of \$20,000 to each unit-holder.

We recommend without hesitation the purchase of Units in Santana Copper Syndicate as an outstanding mining investment with exceptional merit, because of favourable surface showing of commercial ore, its cheap and easy facilities for mining and transportation.

In order to take advantage of this opportunity it is advisable that you act quickly, as all applications will be filed in order received, and no guarantee can be given that the full amount subscribed for will be allotted.

WE OFFER

SANTANA COPPER SYNDICATE  
AT \$100.00 PER UNIT

To represent 500 shares in the proposed Provincial Charter Company to be formed.

J. M. TAYLOR & CO.

(Members Vancouver Stock Exchange)

Phone Seymour 9305

574 HOWE STREET, VANCOUVER, B. C.

The information contained herein has been carefully compiled from reliable sources, but is not guaranteed though it is believed to be correct.

Some Notes On A Copper Prospect on Quadra Island, British Columbia.

P. Eng  
Ontario

In view of the current state of the world copper markets, and changes in supply being brought about by various political manoeuvres, and also considering the great progress being effected in the reduction of mining costs, it would seem a likely time to consider seriously the exploration of a long known but still undefined copper occurrence on the coastline of British Columbia.

The occurrence is presently protected by a group of 8 claims totalling about 410 acres, staked in mid-1969. The group is open on all sides, so further protection can be attained for the staking. The claims are situated on the east side of Quadra Island, about 12 air miles from Campbell River, on the east side of Vancouver Island, and about 70 miles north-west from the City of Vancouver. This is also about 250 miles by water (barge) from the smelter of the American Smelting and Refining Corporation at Tacoma, Washington.

The information quoted herein is largely taken from a report written by K.E. Kenschaw, P. Eng., Consulting Geologist, and co-discoverer of the highly successful Cragmont Mines in British Columbia in 1963 - 64.

Knowledge of the property dates back to 1916 or 1917, when showings were opened up over a length of 1500 feet with widths up to 40 feet. The prospectors drove an adit for 85 feet and shipped 174 tons of ore to Tacoma, which ran 4.5% copper and \$4.60 in gold (at \$20.67 per oz.). An effort to revive the property in 1930 failed through lack of money.

"The early operators developed a contact zone between granodiorite and limestone along a length of 1500 feet and widths up to 40 feet, and through a vertical distance of about 800 feet by a series of open cuts, trenches, and the short adit mentioned previously from which 174 tons of ore were shipped."

"Initially, Mr. Kenschaw and his crews traced the mineralized zone on the surface for a length of 1500 feet with widths up to 70 feet."

~~"In addition to the 85 foot adit previously referred to, 4 drill holes were sunk in the property in February and March, 1964, and did not uncover by the core analysis any major mineral zone but continually showed an average copper mineralization throughout the rock of .30% copper. This extent of mineralization was present throughout the mass of granite rock (an altered quartz diorite) underlying the claims totalling in Mr. Kenschaw's~~

~~estimation, 200,000,000 tons (to a depth of 640 feet). This was borne out by the soil sampling and other tests conducted throughout the exploration and development program which lasted until April 1964."~~

There were 4 holes drilled, all vertical, and averaged about 640 feet in depth. Perhaps more and better information would have been obtained by a different program. In any case the work was not nearly enough to be conclusive in any way.

"Three samples were taken in the vicinity of the old adit, as representative of the mineralization, but are slightly low as obvious blebs of intense sulphides were avoided.  
Sample #1. width 10 feet, taken at tunnel mouth: 0.01 oz. gold, 1.80% copper.

Sample #2. width 10 feet, taken 60 feet southeast from #1 and 50 feet higher: .005 Au. and 3.30% Cu per

Sample #3. ore dump at the mouth of tunnel about 40 tons; 0.02 oz. gold, 2.25% copper  
The average of these three samples is 0.01 oz. gold, and 2.45% copper.

"The present showing was confined to a length of 1500 feet and a width of up to 40 feet. This zone is still open at both ends as well as vertically. The present known depth is at least 800 feet from the highest exposure to the adit. This zone is ideally suited on a hillside for tunnel mining and exploration.

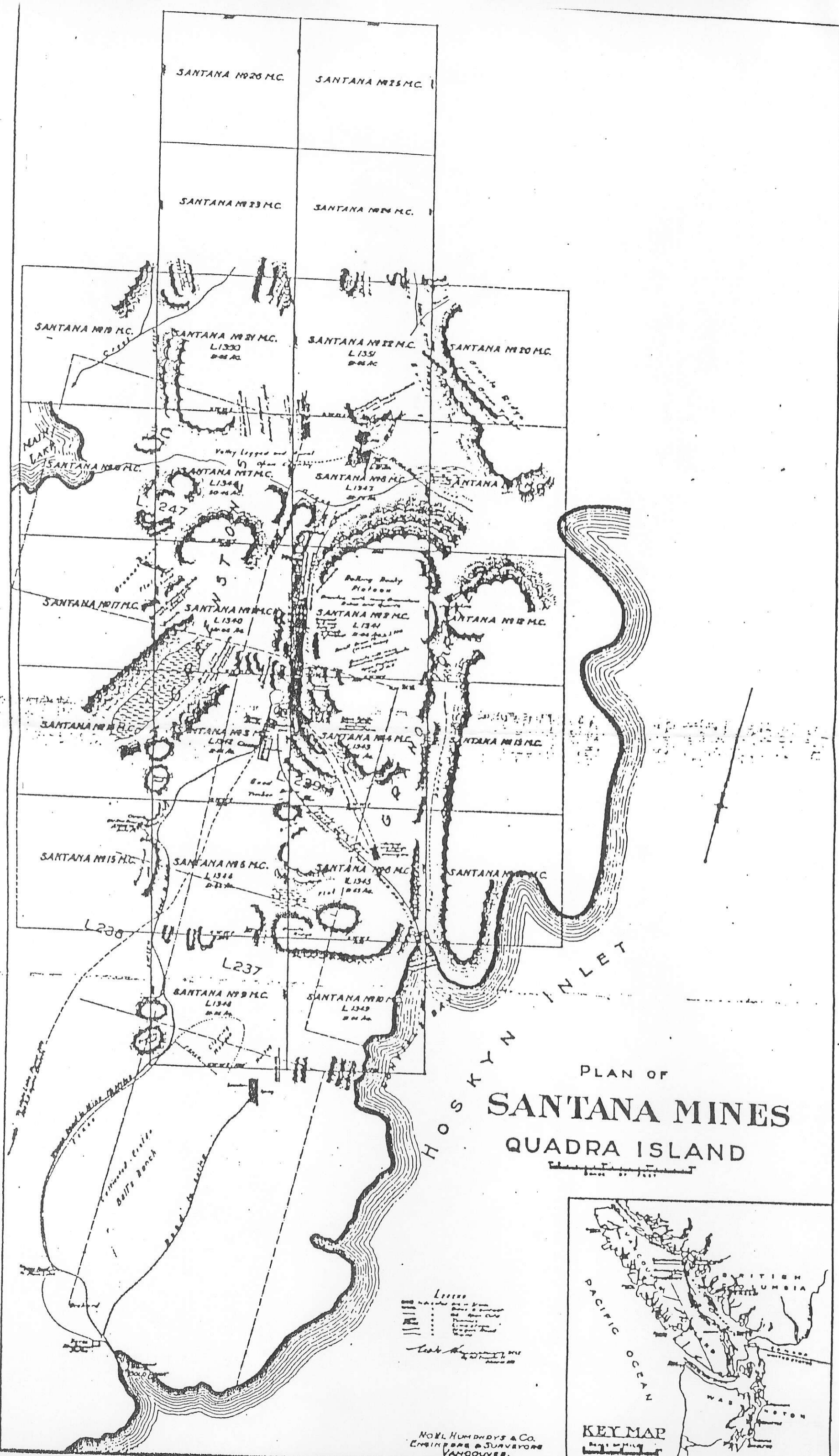
The possibility that two or more of these zones exist is evidenced by the presence of north - south depressions adjacent to knobs or hills of granodiorite. These may be shear zones or andesites or limestone."

Taking 25 feet as the average between 10 and 40 feet as an average width, and using a factor of 9 cu. ft. per ton, there is shown at the adit alone a potential of:

$$\frac{1500 \times 800 \times 25}{9 \times 21 \text{ (shaped showing)}} = 1,666,666 \text{ tons at average, say, } 2.5\% \text{ copper, a very}$$

handsome start.

Also to be considered, the property is criss-crossed with logging roads, and only a mile of new road need be constructed to connect with the system of Public Roads on Quadra Island, which are served by the British Columbia Government Ferry System to Campbell River. A transmission line of about 2 miles would be needed to connect with the British Columbia Hydro Power Commission transmission lines. Campbell River is the distributing centre for



PLAN OF  
**SANTANA MINES**  
 QUADRA ISLAND



L1330  
 L1331  
 L1332  
 L1333  
 L1334  
 L1335  
 L1336  
 L1337  
 L1338  
 L1339  
 L1340  
 L1341  
 L1342  
 L1343  
 L1344  
 L1345  
 L1346  
 L1347  
 L1348  
 L1349

HOWL HUNDREYS & CO.  
 ENGINEERS & SURVEYORS  
 VANCOUVER.

KEY MAP

92K3E

Quadra Island

MT. WILLIAM

Island

L1350	L1851
2740(1)	2741(1)
2883	L1347
L1346	2884 (3)
L1340	L1341
2735(1)	2736(1)
L1342	L1343
2737(1)	2738(1)
L1344	2882
2739(1)	L1345

Village Bay Lake

Convulle Bay

Hjorth Bay

Bold Point (P.O.)

GOLD SEAL 555(9)

L1444 C.G.

L1485 L.G.

I.R.7

Bold I.

King Ito.

SOL 1 3063 (8) SWAN

Village Bay

Crescent Channel

HOSKYR

Reed Island (P.O.)

Rosen Island I.

Sunsterville Pt.

