

Property File

082FNW004

001959

October 23, 1946.

Mr. R. Crowe-Swords, President,  
Santiago Mines Ltd.  
483 Hamilton St.  
Vancouver, B. C.

Re: HARTNEY MINE

Dear Sir:-

On October 13th I again visited the Hartney Mine.

The timbering in No. 3 tunnel has been repaired and is now in good condition; also rotten ladders have been replaced in the raises, so that one can now go up to No. 4 tunnel, and possibly higher. In the intermediate above No. 3, however, rotten timber holding stope-filling has in part fallen, and passage through that level is dangerous.

The winze from No. 3 tunnel has been cleared of water so that it could be sampled. This winze is 15 or 16 feet deep and has a foot or two of muck in the bottom. At the winze and below the track level there is an underhand stope 34 feet long and 9 feet deep.

No. 4 tunnel is blocked at the portal, and also at about 100 feet in from the portal where there appears to be a stope not shown on the sketch.

Ten samples were taken and tabulated on the following page, and their positions are also indicated on the sketch. In general these samples, with the exception of those in the winze, were taken across the vein at the widest and best looking points and do not represent much tonnage of ore.

Considerable cleaning up and replacing of old timber would have to be done before any mining could be done in the upper part of the mine. In my opinion this is not justified by the showing, as it is evident that most of the good ore has already been mined.

The most promising exploration is the driving of No. 3 tunnel eastward, and finding, drifting, and raising on the vein in No. 2 tunnel, and I recommend that this be undertaken. The extent of this work to be dependent on results. For such work power is necessary but is not available at present; it is planned to move one of the portable air-compressors now at the Bosun mine to the Hartney as

soon as the new compressor is installed at the Bosun, but it is still uncertain when this will be accomplished.

A survey of the two lower levels is expected to be completed soon.

Yours very truly,

CCS



HARTLEY MINE

Assays of Samples taken October 13, 1946.

No.	Oz. Silver	% Lead	% Zinc	% Tin	\$ Value	Inches Wide	Remarks
891	9.90	2.60	29.10		40.61	11	#3 Tunnel stope, 62 ft. W of manway & 20 ft. above rail. 3½" on H.W. & 7" on F.W. sampled; 1½' barren between.
892	11.60	Tr.	24.10		34.54	9½	On Inter. above #3 & 71ft W of face, at widest place.
893	10.40	Tr.	27.00		36.36	2	On Inter. above #3 at 0 to 35 ft W. of face; chips at many points. Width ½ to 4 inches.
894	41.20	11.56	25.20		73.74	4	#4 Tunnel 6ft W of E raise from below. Widest part.
895	136.00	33.27	12.70		168.37	3	#4 Tunnel 25 ft W of W raise from below, at edge of stope. Pinches to west.
896	28.00	4.40	40.30		69.90	22	#4 Tunnel 32 ft. E of W raise from below, & at corner of stope. Pinches to 4" to E & stoped to west.
897	39.20	Tr.	21.20		56.48	3½	#3 Tunnel winze, 21½ ft W. of center of winze & 2 ft below track.
898	68.20	Tr.	34.50		95.68	3½	Ditto #897 except 7 ft. below track.
899	30.00	4.90	23.30	0.046	55.67	4	#3 Tunnel winze on W. side 9½ to 13 ft. below track. Pinches to W. Large sample.
900	12.64	3.94	9.30	0.038	25.17	4	Ditto #899 except on east side winze.

CCS

FILE NO. 76921/930.  
SHEET NO. ....

PHONE: MARINE 5821

# J. R. WILLIAMS & SON

PROVINCIAL ASSAYERS  
BASEMENT, ARTS & CRAFTS BLDG.  
576 SEYMOUR STREET

per C.C. Starr.

VANCOUVER, B. C. October 21st, 1946.

RESULTS of Assays made on samples of ore submitted by: Messrs. Santiago Mines Ltd.

MARK	Silver Ozs. p/t	Value @ 90¢	Lead %	Value @ 5¢	Zinc %	Tin %	Gross Value p/t
<u>HARTNEY MINE</u>							
Sample No. 891.	9.90	8.91	2.60	2.60	29.10		\$40.61.
892.	11.60	10.44	trace	----	24.10		\$34.54.
893.	10.40	9.36	trace	----	27.00		\$36.36.
894.	41.20	36.98	11.56	11.56	25.20		\$73.74.
895.	136.00	122.40	33.27	33.27	12.70		\$168.37.
896.	28.00	25.20	4.40	4.40	40.30		\$69.90.
897.	39.20	35.28	trace	----	21.20		\$56.48.
898.	68.20	61.38	trace	----	34.50		\$95.88.
899.	30.00	27.00	4.90	4.90	23.30	0.046	\$55.67.
900.	12.64	11.57	3.94	3.94	9.30	0.035	\$25.17.

Assays made by  
*R.W. Williams*