

Property File

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720 Pacific Building.

September 20, 1946.

Mr. R. Crose-Swords, President,  
Santiago Mines Ltd.  
423 Hamilton St.  
Vancouver, B. C.

Re: HARTNEY MINE

Dear Sir:-

No. 3 Tunnel On my last visit to the Hartney Mine on August 26th I took six samples which are shown in detail on the sketch herewith.

The small Longitudinal Projection which you have was made many years ago has proven inaccurate, at least so far as No. 3 tunnel is concerned; the sketch herewith is, so far as it goes, very close to the truth.

The west sample in the top of the stope is from a high-grade streak which extends eastward from the face about fifteen feet; its gross value is \$100.66 per ton over a two inch width.

The second sample in the stope is from the widest point in the vein that I have yet seen, 19 inches, and consists of quartz, gouge, and a little lead and zinc; its gross value is \$14.10 per ton.

Trenches were dug to solid rock at short intervals under the track between the west end of the ore in the drift and the winze, but no ore was found except a short, low grade lense under the manway to tunnel No 4, where a sample across two inches has a gross value of \$11.28.

The floor of the western 40 feet of the west stope cannot be reached for sampling since there are six or eight feet of broken rock on it.

East of the winze the floor under the east stope was trenched between 100 and 150 feet from the winze, and ore was found for a length of 40 feet from which three samples were taken all of which were three inches in width; their average value is \$92.24, gross.

All the above values are calculated at 90¢ silver, 5¢ lead, and 5¢ zinc.

The strike of the ore is N 85° to 90° E and the dip 70° south. The east face of the tunnel, just beyond the last stope, shows a small but good looking vein containing a few specks of zinc.

A little farther timbering is needed to make the level entirely safe to work in, and new ladders must be put in before most of the old stopes can be entered.

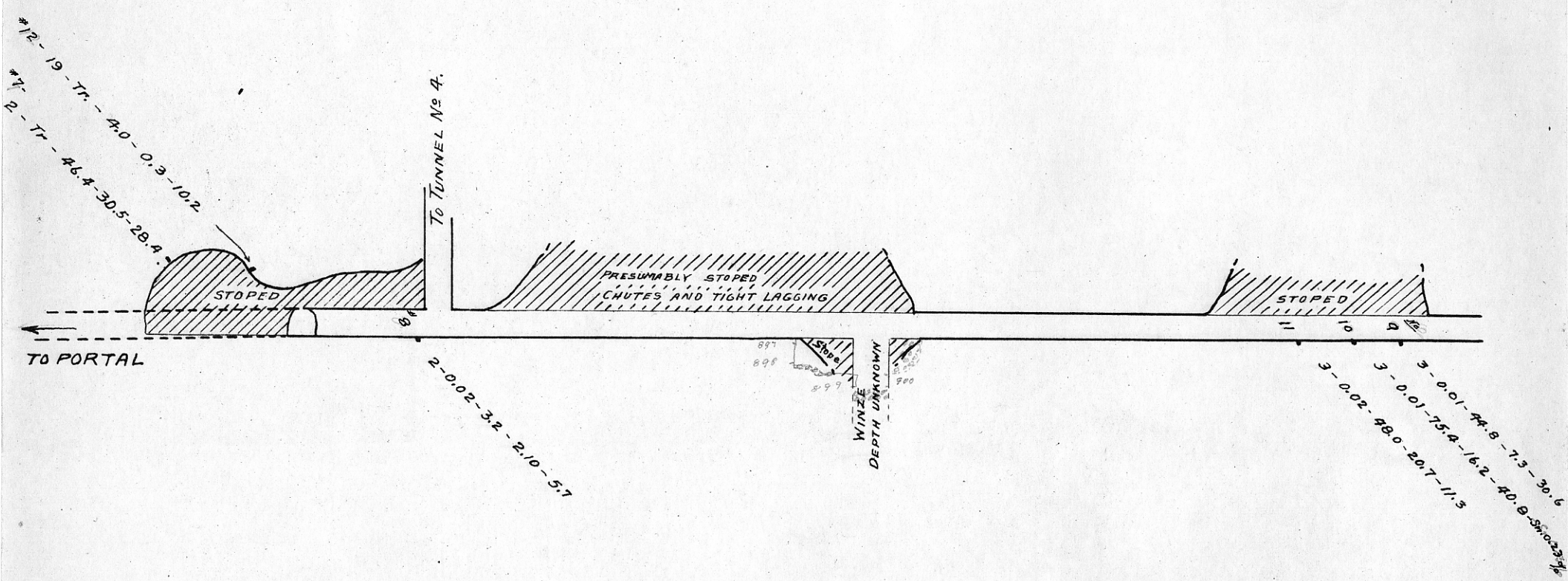
Tunnel No. 2. This level is now open but it requires some more timbering to be safe. Much more drifting and crosscutting has been done in it than was expected.

Apparently the projected position of the ore bearing section has not been reached in any of the No. 2 tunnel workings, but one of the crosscuts further west seems long enough to have cut the course of the vein west of the orebodies, but the vein has not been identified there.

A survey of both tunnels should be made before any farther work is done.

Yours truly,

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HARTNEY MINE

VERTICAL LONGITUDINAL SECTION, SHOWING ASSAYS,  
 THROUGH ORE-BEARING PART OF No 3 TUNNEL.

SCALE: 1" = 40'

ORDER OF ASSAYS:- INCHES WIDE - OZ. GOLD - OZ. SILVER - % LEAD - % ZINC.