

is in 300 feet, but as it was partly caved in it was impossible for me to enter more than about 75 feet, however I procured about 100 lbs of ore from the face of the vein matter in the roof of the tunnel.

Within the space of 75 feet there are three other tunnels drove in from 50 to 75 feet, and to all outward appearances running parallel with the Walker in the same character of ore, but upon a closer examination and with the aid of instruments it was fully proved that they coursed on an angle so as to connect with the main ledge (see map,) and therefore are merely slip offs; or it may be they are surface spurs that will materially enlarge the main ledge when they come in contact, thereby making the Island Mountain Mine ledge not only a very large one, but at their intersection a rich body of ore will undoubtedly be found.

The St. John's tunnel is started in about 750 feet southerly on the surface from the Walker, and is in twenty-eight feet. Although so near the surface it shows a very good compact body of quartz with a vein of solid ore measuring four and a half feet thick with good walls of slate and soft gouge on the foot walls, and like the vein matter in the Walker, has the regular dip and trend of the country rock, which proves it to be a true vein. I also procured 100 lbs. of ore from the face of the tunnel, so that with the ore from the Walker tunnel I could separately work the same and give you the milling test that you desired. The result which is very satisfactory will be found appended to this report.

Now, gentlemen, in order to be more explicit; in the geological portion of this report, I procured the assistance of James McEvoy, B. A., Sc., who very kindly offered his valuable services both with chain and instruments to assist me in any manner that he could be of service. The tracings accompanying this report are his productions. I will state that Mr. McEvoy is chief assistant to Amos Bowman, Esq., the Geological Surveyor for the Dominion Government, and who also