

average, approximately, of from 30° to 40° from the vertical. At the depth of seventy-two feet from the surface, a level has been driven east thirty-two feet, the quartz having an average width of three feet six inches; another level was driven west twenty-four feet, with quartz averaging three feet wide. The vein outcrops boldly on the surface to the west for a distance of 2.50 chains (165 feet), varying in width from five feet at the shaft to one foot where it disappears in hill and under swamp seventy-two feet below. On the east side it crops out for a distance of 3.25 chains (215 feet), varying in width from four feet at shaft to four feet six inches where it disappears in swamp, prior, I believe, to appearing on the opposite hill, about fifty feet above swamp; here the vein is three feet wide, and I obtained several specimens showing visible gold. At the base of this hill, a tunnel or adit has been run in on the vein for seventy feet.

Before leaving the Nino Vein, I wish to draw your attention to a vein of pyritous schist, about seven feet wide, lying immediately between the granite and the trap; this has imbedded in it small stringers of quartz, some of the latter was panned in my presence and showed gold; but my sample No. 13, taken across the lead on surface, failed to show more than a trace. Still, I incline to think that with depth something will be found, as I expect, from the dip of the Nino Vein, a junction of the two will occur, and that the trap will eventually form one of the walls of the vein.

ASSAYS: Owing to the timbering, and torrential rain, I was unable to take samples from sides of shaft, and was, therefore, compelled to make use of your assay record, kindly placed at my disposal by the manager; as there was nothing exceptionally high, except letter "D," they may be accepted without demur; the cause of this high assay may be accounted for, as in the case of my No. 10, by the occurrence of a



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