

Hilltop General Geology

The Hilltop claims cover a portion of the northern contact of the Barriere Intrusion with largely phyllitic - schistose units of early Paleozoic age. Within the grid areas the metamorphics were subdivided into 4 units; the oldest being a medium grained quartz feldspar biotite to chlorite greiss overlain by approximately 300 to 500 feet of pale green to black quartz graphitic, sericitic, chloritic phyllite. Overlying the phyllite is a massive white to gray graphitic banded limestone which is in turn overlain by a thick unit of chlorite schist and massive greenstone. The Barriere intrusion of locally granitic composition borders the metamorphics on the west and south limits of the claim groups. Generally, foliations strike roughly east - west dipping 15° - 20° northerly.

Numerous ^{copper} showings and float have been located in highly silicified, potassium-feldspar altered, and chloritized greenstone. All showings found occur in the lower portion of the interbedded chlorite schist and massive greenstone just above the limestone contact. One small body of skarn with traces of chalcopite was found within the limestone. The largest showing #1 contains disseminated chalcopite over a strike length of roughly 150' with values as high as .72% copper over 8 stratigraphic feet.