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The responsiveness of the Pb-Zn mineralization to electrical geophysical techniques is very sensitive to the sphalerite/total sulphide ratio and the volume of disseminated sulphide around the massive lenses. At Voyager 19 the massive sulphide lenses have a sphalerite-galena ratio of approximately 2:1 and only a narrow halo of disseminated sulphides. Moreover, the proximity of the mineralized horizon to a suboutcropping thick sequence of black, pyritic siltstones may mask any marginal response to EIP and EM techniques. However in hand specimen the massive sulphide mineralization is weakly conductive. As yet there is insufficient geological evidence to be able to ascertain the subsurface extent of the mineralization or the attitude of the contact between the pyritic siltstones and the volcanics.

Further exploration in the area should build upon the framework of the 1980-1981 field season which was led to the recognition of a favourable environment which has a good chance of hosting an economically viable deposit.

(iii) Proposals to further work

At this stage the full potential of the Wart Hill Pyroclastics has not been totally assessed and further exploration should adopt a two-fold philosophy:

- To investigate the geological setting and economic potential of the mineralization on the Voyager 19, Voyager 29 and Voyager 22 grids by detailed geological mapping, infill sampling, costeaning and drilling.