

ii) Geology

Most of the Voyager 19 area is underlain by rhyolitic volcanics of the Wart Hill Pyroclastics. On the eastern side, these are unconformably overlain by reworked tuffs and clastic sediments tentatively correlated with the Tyndal Group of the Jukes-Darwin area (see plan 32).

Wart Hill Pyroclastics:

In the central part of the grid, across Wart Hill itself (10150E/12650N), the rocks are differentiated into the following 'stratigraphy', from west to east.

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| Chloritic quartz-feldspar crystal tuff | - Commonly with coarse lithic or conglomeratic bands, chlorite in matrix, quartz and feldspar approx. equal. |
| Quartz porphyritic rhyolite | - Small (1-2mm) phenocrysts quartz (and occasional minor biotite flakes and feldspar) evenly distributed in fine grained creamy felsic matrix. Massive, locally brecciated, considered extrusive. |
| Sericitic quartz crystal tuff | - Fine to medium grained quartz crystals closely crowded in sheared sericitic matrix. Generally massive sometimes, crudely layered with minor lithic fragment component (more distinct in southern parts). Includes thin micaceous sandstone/siltstone bed in the southern parts. |
| Chloritic tuff (Wart Hill) | - Fine-medium grained non stratified greenish chloritic tuff with very sparse quartz crystals and locally abundant coarse lithic fragments. Generally more or less iron-stained, especially on fractures but also as fine disseminated specks probably after pyrite (~ 1% volume) |