

1. A sequence of quartzo feldspathic lapilli crystal tuffs.
2. An extensive unit of fine-grained white-grey porphyritic lava.
3. A variable sequence of medium to coarse grained lithic crystal tuffs, agglomerates and lavas.  
The pyroclastics have an overall rhyolitic composition and vary from coarse felsic agglomerates in the east and pass upwards into a thin discontinuous chloritic tuffaceous shale unit and iron stained chloritically altered lithic crystal tuffs.
4. Flanking the Osmond Syncline on the western margin of the Voyager 22 grid are a mappable sequence of well bedded lapilli crystal tuffs and lithic tuffs. They are patchily iron stained and difficult to isolate from the underlying pyroclastics. However a noticeable decrease in grain size and degree of sorting occurs in outcrops further to the west thought to be indicative of re-working. Here the rocks can be termed tuffaceous sandstones and probably correspond to the Tyndall Group correlates as recognised on the eastern margin of the Voyager 19 and Voyager 29 grids.

iii) Geochemistry

18 rock chip samples were collected in the course of the reconnaissance mapping and furnished the following results: