

not all
arenite near qz

- quartz arenites and interbedded black shales occurs this has been interpreted as the Stitt Quartzite (Note this differs from the interpretation presented by J. Richardson in his report on the Ring River Grid mapping).
- ii) Primary tuffs are interpreted as local facies variants representing proximity to volcanic centres (possibly a near-shore environment) and will have a sediment as a Basin facies stratigraphic equivalent.
 - iii) Where structural observations and lithologic data are in conflict, precedence is given to the structural information

Fourteen litho-stratigraphic units have been identified in the area as follows:

i) Eastern Volcanics

These comprise felsic ash-flows, tuffs, lavas and probable minor intrusions. In the vicinity of the Hercules and Jupiter mines they are strongly altered and schistose. These rocks are restricted to the eastern margin of the area. They are approximately equivalent to the Central Volcanics of Corbett (1981).

ii) Western Tuffs

These are a sequence of volcanoclastic rocks. Dominantly primary felsic tuffs of probable sub-aqueous deposition, they contain reworked tuffs and minor volcanic wacke and shale horizons. In the north of the area near Rosebery the Natone Volcanics and Williamsford Volcanics are local names for members of this unit.

iii) Western Argillites

This is primarily a shale and siltstone sequence with felsic volcanic wackes. It also contains minor calcareous siltstones, some sandstone and quartzite members and minor primary felsic tuffs. This unit interfingers with, and overlies the Western Tuffs and is regarded as a facies equivalent. In the north of the area the Chamberlain Shale and Westcott Argillite are local equivalents of this unit.