

areas. As a result, two new units have been identified in the Carbine Hill area, the Carbine Hill Greywacke and the Great Northern Siltstone. These units are probably time equivalents of the Fernflow and Comet Formations, respectively, however there is no fossil evidence for this.

The stratigraphic units within the mapped area can be described as follows (from youngest to oldest):

Fernflow Formation - Purple siltstones and rudaceous conglomerates.

Carbine Hill Greywacke - Grey green, sandstone-rich greywacke with carbonaceous and dolomitic pelites. Blissett (1962) suggested this unit to be a Crimson Creek Formation correlate "as bedded dolomite is not found in the Dundas Group."

Great Northern Siltstone - Green to brown siltstone-dominant greywacke with an increasing rhyolitic tuff component to the east. It is transgressive to the Carbine Hill Greywacke(?) and, although no carbonate has been recorded within this unit, it is probably a correlate of the Comet Formation. The unit has affinities to the Brewery Junction Formation with which it has previously been correlated without fossil evidence. The unit appears to conformably overlie Fernfields Formation conglomerates at Confidence Saddle.