

Rocks of the Mt. Sale consist almost entirely of Mt. Read Volcanics. A small band of Farrell Group Sediments and tuffs was mapped in the Murchison River and along the Murchison Highway on the eastern edge of the area.

1. Mt. Read Volcanics

In the Mt. Sale area the Mt. Read Volcanics can be subdivided into two broad groups:

a) Acid Pyroclastics and Porphyritic Rhyolitic

This unit, which appears to overlie the Primrose Pyroclastics consists largely of quartz-poor porphyritic rhyolitic which intertongues with numerous pyroclastic bands.

The group strikes approximately north-south across the western side of Mt. Black. The eastern contact occurs 0.5km east of the peak of Mt. Black where the group appears to interfinger with tuffs and pyroclastics of intermediate composition. The acid pyroclastics consist of fiamme-rich ash-flow tuffs, finely bedded ash-fall tuffs and minor agglomerate units.

A thin band of dark grey shale and sandy tuffaceous sediment occurs in the Langdon Area north of Mt. Sale. The band is less than 40km wide and dips west at 80°. Facing evidence indicates that the unit is not overturned.

Alteration of the lavas and pyroclastics is generally weak and consists of minor chloritisation, sericitisation and albitization of feldspars. Silicification is rare.

Two known mineral occurrences occur within the unit. These are the Langdon Mine on Innes Track which is considered to be a vein type Pb/Zn deposit in chlorite/carbonate gangue.