

Petrology of the Bodawgyi area, Madaya Township, Mandalay Region

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Abstract

Metasedimentary and igneous rocks are well exposed in the Bodawgyi area, Madaya Township, Mandalay Region. Metasedimentary rocks are white marble, phlogopite marble, banded diopside marble, calc-silicate rocks and banded biotite gneiss. The igneous rocks can be divided into two groups such as major and minor igneous rocks. Major igneous rocks are leucogranite, biotite granite and biotite microgranite whereas the minor igneous rocks are diorite and pegmatite. Two types of metamorphism are observed in the study area such as regional and contact metamorphism. The contact metamorphism can be observed in rocks adjacent to igneous intrusion. Regional metamorphisms are commonly observed in the gneiss and migmatite units.

Keywords: Petrology, Bodawgyi area, Madaya Township, Metasedimentary and Igneous rocks