

Architecture of Sequence Boundary in Mixed Siliciclastic-Carbonate Lithofacies, Lower-Middle Ordovician, Myogyi Area, Ywangan Township, Southern Shan State, Myanmar

Khin Khin Lin¹

¹Shwebo University, Geology Department, 02261 Shwebo, Myanmar

ABSTRACT

This study is mainly of the Precambrian Chaungmagyi Group, which is unconformably overlying the Ordovician (Lower Ordovician Lokeyin Formation and Middle Ordovician Wunbye Formation) of mixed siliciclastic-carbonate lithofacies. The Lokeyin Formation consists of mixed siliciclastic-carbonate rocks, mainly intercalations of siltstone, silty limestone, and minor lime wackestone-packstone of a thickening-upward sequence. The Wunbye Formation consists of a succession of thick-bedded to massive bioclastic limestone, thin- to medium-bedded limestone, finely-crystalline, stromatoclastic, stromatolitic and burrowed limestone, sometimes oolitic, minor siltstone and dolomite. The purpose of this article is to describe the Ordovician mixed siliciclastic-carbonate lithofacies and to interpret the depositional history and their sequence stratigraphy in relationship to sea level variations developed in this area.