

Decollement zone in the Emi accretionary complex, Boso Peninsula

Jun'ichi Chiba[1]

[1] Geoscience, Tsukuba Univ.

The Miocene Hota Group in the Emi area, Boso Peninsula, is recognized to be accretionary complex, because of its deformation style and map-scale structure. It is mainly composed of coarse to medium grained sandstone, felsic tuff and/or tuffaceous siltstone and terrigenous mudstone.

There are two types of structural unit. The first is relatively coherent but severely deformed part which is recognized as thrust sheets, and the second is shale-matrix melange recognized as decollement zone. According to SEM observation, the texture in the matrix of the melange is similar to the active decollement zone of Barbados accretionary prism.