

Mafic intrusion from Cape Nonamai, Shakotan Peninsula, Hokkaido

*Haruka Hirose¹, Satoshi Okamura¹

1. Hokkaido Education University, Sapporo

Late Miocene doleritic intrusions are discussed from a petrological point of view. The intrusion consists of massive zone and layered zone. The massive zone is characterized by primitive olivine basalt, and the layered zone has more than 4 dolerite layers, which was originated by fractional crystallization from the mafic magma.

Keywords: fractional crystallization, dolerite, mafic intrusion