

## Restoration of the original mantle of the Horoman and Nikanbetsu peridotite complexes

# Natsuko Takahashi[1]

[1] Dep. Earth Sci., Chiba Univ.

The Horoman and Nikanbetsu complexes, Japan are regarded as fragments which were derived from a same mantle diapir. They are divided into three zones on the basis of textural and mineral chemical variations of fertile lherzolite, that is, HLZ, HUZ, and NK. The essential differences among the zones are caused by different final ascending P-T paths and the volume ratio of plagioclase-bearing lherzolite, which was formed by incipient melting in plagioclase-stability field, increase from HLZ to NK, through HUZ. It is possibility that NK lherzolite has a feature similar to primitive mantle.