

Serpentinized cataclasite boulder derived from the Horoman Peridotite Complex

Tomoaki Morishita [1]

[1] Earth Science, Kanazawa Univ.

<http://kgeopp6.s.kanazawa-u.ac.jp/~japan/thm.html>

Unique serpentinized peridotite which consists of many angular harzburgite clasts of various size embedded in the serpentine matrix was found as a boulder in the Horoman Peridotite Complex. The angular shape of clasts and grains and clast-size distribution in the rock supports its cataclastic origin at brittle conditions. The serpentine matrix area had been once occupied by very fine-grains before serpentinization. The rock was formed by a serpentinization of a peridotite cataclasite.