

Conodont biostratigraphy of the Yeongheung Formation (Ordovician) in the Yeongweol area, Kangweon-Do

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The paleontological study on conodonts of the Yeongheung Formation exposed in the Yeongweol, Kangweon-Do was carried out. From 45 limestone samples collected from 3 sections (Dumok, Namkyo and Mitan) in the Yeongheung Formation, total of 396 conodont specimens were recovered from the 27 samples of the Namgyo and Mitan sections and the Dumok section yielded no conodonts.

Conodonts are classified into 12 multi-element species referable to 12 multi-element genera and 20 disjunct-element species representing 18 form genera. *Acodus deltatus*, *Paltodus quinquecostatus*, *Scolopodus triplicatus* are dominant species and the index fossils of *Aurilobodus serratus*, *Erismodus typus*, *Erraticodon tangshanensis*, *Oulodus oregonia*, *Plectodina onychondta* are also observed.

Based on the stratigraphic distribution of these conodont faunas, the Yeongheung Formation is the Lower Caradocian of Upper Ordovician to the Upper Arenigian of Middle Ordovician.