

## Fossil Bryozoans from the Itakura core, Gunma Prefecture

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The Itakura core was drilled at Itakura Town, Gunma Prefecture. Fossil bryozoans were contained in the Jizodo Formation (about 0.4Ma) and the Yabu Formation (about 0.3Ma) in the Itakura core. On research of the Itakura core, the paleoenvironment of Paleo-Tokyo Bay was estimated by using fossils of ostracoda and foraminifer. So we want to presume it too from different viewpoint by using bryozoan fossils. In total, 6 species belonging to 6 genera of bryozoans were identified. Most dominant species was *Acanthodesia savartii*. As a result, we found out that the paleoenvironment had warm weather, the bay was shallower than 30m and having seaweed bed. These results match with research by using fossils of ostracoda and foraminifera. By examining the fossils of bryozoans more details, we can detect about the paleoenvironment further.

Keywords: Bryozoa, Paleo-Tokyo Bay, Itakura core, Jizodo Formation, Yabu Formation