

The Lower Cretaceous Tomochi Formation and the unconformably underlying Permian accretionary complex in the Tomochi area, Kyushu

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Early Cretaceous Tomochi Formation in the Tomochi area, central Kyushu is occupied by northern margin of the Chichibu Belt along the Usuki-Yatsushiro Tectonic Line. The Tomochi Formation is shallow marine sediment and correlative with the Monobegawa Group in Shikoku.

The Tomochi Formation unconformably covers the melange of the Hirodaira Unit, which is Permian accretionary complex. We have discovered Late Permian radiolarian fossils from terrigenous sediments of the Hirodaira Unit.

We clarified that the correlative of the Monobegawa Group in Kyushu covers the Permian accretionary complex same as in central Shikoku. And it has revealed that the Permian accretionary complex occurs in two rows around the area only.