

Research about Moriya Formation

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I checked the fossils from Moriya formation to identify the geological time and the depositional environment of it.

I discovered some fossils of *Mizuhopecten kimurai* that is the index fossils of Langhian. So, the geological time is Langhian. Many people told that it was Aquitanian or Burdigalian. It's wrong.

However, I collected many fossils of *Anadara* and *Macoma* from old formations. They lived in the shallow sea. So, there was the shallow sea. But I collected many fossils of *Mizuhopecten kimurai* and *Cyclocardia siogamensis* from new formations. They lived in the deep sea. So, there was the deep sea. These results told that the sea got deep. I checked the formations in detail, I discovered some traces of transgression and regression.

In addition, I compared the fossils from Moriya formation with the fossils from other formations. I discover some common points and differences. If I check these discoveries in detail, I can identify the sea connection in Fossa Magna area.

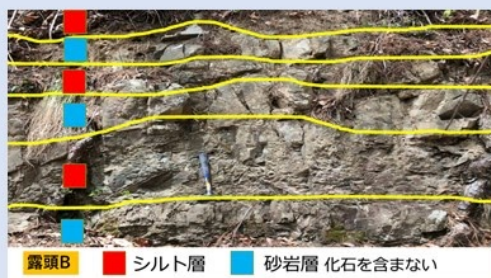
Keywords: Moriya Formation, Geological time, Depositional Environment



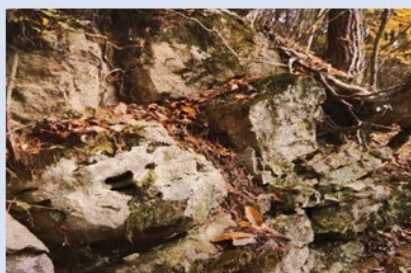
図：調査地点の位置



図：露頭Aの様子



図：露頭Bの様子



図：露頭Cの様子
最上位の砂岩層のみ



図：露頭Aから産出した
キムラホタテ