

## The Geological Structure of Nonoshima Island in Shiogama City.

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There are many islands dotted in Matsushima Bay near Tagajo High School. One of them is Nonoshima Island, the stratum can be clearly observed. We tried estimating the geological structure based on the information obtained from the stratum of Nonoshima Island.

On the eastern side of the Nonoshima Island, interbedded sandstone and mudstone are distributed. In contrast, tuff layers are distributed on the west side of the Nonoshima Island. We focused on the two boundaries, measured the strike and tilt, then compared and examined the results. In this study, we estimated the geological structure of the Nonoshima Island using a stereonet lower hemispherical projection. As a result of estimating by using the measurement result of Katsurashima Island located on the west side of Nonoshima Island and the measurement result of Nonoshima Island, we conclude that an anticlinal structure exists in the western part of Nonoshima Island. Furthermore, we conclude that this plunging anticline is inclined on the southeast side.

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