

Reexamination of Former Shoreline inferred from Erosional Landforms along The Southern coast of Boso Peninsula

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Uplifted erosional shoreline topography indicating former shoreline such as sea cave and notch found in Southern Part of Boso Peninsula, was investigated by geomorphological survey. Studies of vertical distribution of the erosional shoreline topographies showed the highest topography zone such as sea caves located at 25-26m, and lower three levels of topography such as notches. In the inner most part of the highest sea cave near the retreat point, the notch formed where fossils of perforations by boringshells, corals, and tubeworms, are attached to surface. These fossils are strict indicator of sea level. The AMS 14C Dating indicate that the sea cave was emerged immediately after 5650-5450CalBP. These results from uplifted topographies suggest the more accurate seismic crustal movements.