

# Morphology of seamounts and knolls in the ocean floor adjacent to the Minamitori-sima Island, northwestern Pacific

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High-resolution bathymetry in the ocean floor adjacent to the Minamitori-sima Island was collected with the multibeam bathymetric survey system, Seabeam 2000/2100. The ocean floor adjacent to the Minamitori-sima Island has abundant seamounts and knolls. These seamounts and knolls in the ocean floor are subdivided into three types on the basis of its morphology. These are large flat-topped seamounts (guyot), complex of small knolls and truncated cone-shaped knolls. The morphologic feature suggests that these seamounts and knolls were volcanoes formed by oceanic intraplate volcanism.