

Formation and distribution of sand ridges and subaqueous dunes off the Miho Peninsula, Western Suruga Bay

Shuro Yoshikawa[1]; Kenji Nemoto[1]; Kenshi Kimura[1]

[1] none

The coastal erosion is a serious problem in Japan, especially along a coast of the Miho Peninsula, Shizuoka. The coastal zone off the Miho Peninsula, suffers from intensive retrogression of the coastline during last 20 years. The survey using narrow-multibeam system have been conducted in the nearshore zone off the Miho Peninsula, to examine the seasonal changes of bedforms. The following results are discussed.

Several bulges of the sea floor (Coastal Swells) are found just seaward side of the coastal structures, and numerous linear and positive topographic features (Sand Ridges) are found off these Coastal Swells (Yoshikawa et al., 2005). Subaqueous dunes distributes around Sand Ridges. Sand Ridges and Subaqueous dunes had been clearly grew, and Coastal Swells and the coast were concurrently eroded for about half a year. These changes reflect the influence of the storm, typhoons during summer and autumn seasons.