

## Shallow crustal structure in the Sagami Bay obtained by multi-channel seismic reflection survey

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Sagami Bay is known to exist the boundary between the Philippine sea plate and the overriding plate with the Quaternary sediments. It is important to investigate this area for understanding the mechanism of great earthquake. High density single-channel seismic reflection survey was carried out around the Sagami Bay in April - May, 2005 by using R/V Kaiyo of Japan Agency for Marine-Earth Science and Technology (JAMSTEC). In obtained seismic profiles, the clear sedimentary facies is indicated along the Sagami Trough axis.

Continuously, Multi-channel reflection survey is carried out in the Sagami Bay by using R/V Kaiyo of JAMSTEC: KY06-01 cruise. We represent the preliminary profiles and velocity structures of this cruise.