

Cruise Summary

1. Cruise Information

- Cruise ID KS-17-J04
- Name of vessel Shinsei-maru
- Title of the cruise Researches on marine ecosystem dynamics off Sanriku
- Chief scientist Shinji Tsuchida [JAMSTEC]
- Representative of the Science Party Katsunori Fujikura [JAMSTEC]
- Title of proposal Researches on marine ecosystem dynamics off Sanriku
- Cruise period February 11th –27th 2017
- Ports of departure / call / arrival JAMSTEC/JAMSTEC
- Research area off Sanriku
- Research map

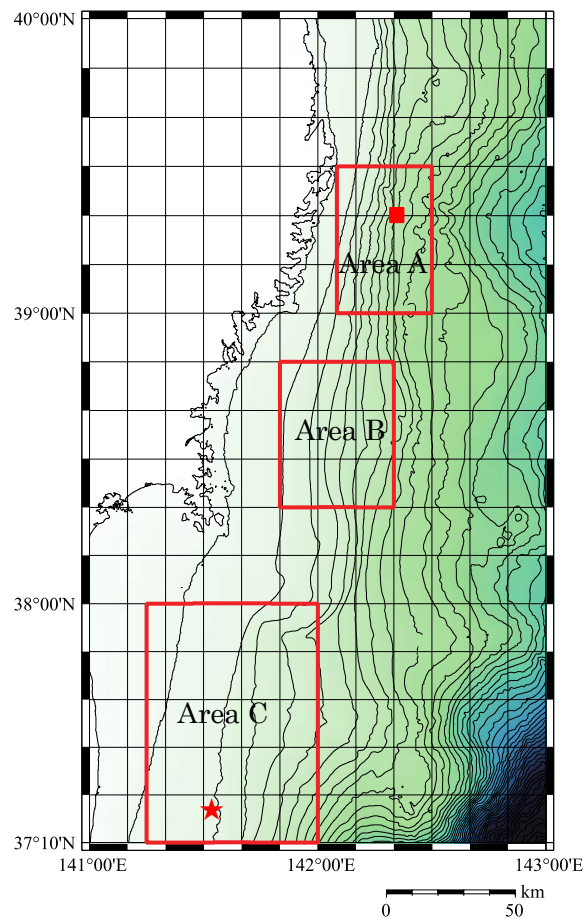


Figure Bathymetric map of the survey area. ■: Deployed point of bio-tracking system in KY15-08 Cruise. ★: Survey site of fissures found by the KS-16-19 Cruise.

2. Overview of the Observation

- Topographic survey

During the cruise, bathymetry and SBP data off Fukushima were obtained by SEABAT and TOPAS PS 18 System.

- Quantitative observation of benthic animals and debris using by the bottom observation camera system

The quantitative biomass of benthic animals and mass of marine debris were observed by the main HDTV and the bottom observation camera systems loaded on the rear of the Hyper-Dolphin for establishing the habitat models.

- Bioass estimation of scavengers and predators

Three types of baited cameras were deployed off Sanriku for estimating biomass of scavengers and predators attracted to the bait, contributing to establishing the ecosystem models.

- Title of project

Project Team for Analyses of Changes in East Japan Marine Ecosystems
(Tohoku Ecosystem-Associated Marine Sciences)