

R/V Shinsei-Marukruise Report”
KS-19-7

Research on the disturbance and recovery process of the
ecosystem in Sanriku coastal area after the Tsunami

Sanriku area

May 1,2019-May 10,2019

Joint Usage/Research Center for Atmosphere and Ocean
Science (JURCAOS)
Japan Agency for Marine-Earth Science and Technology
(JAMSTEC)

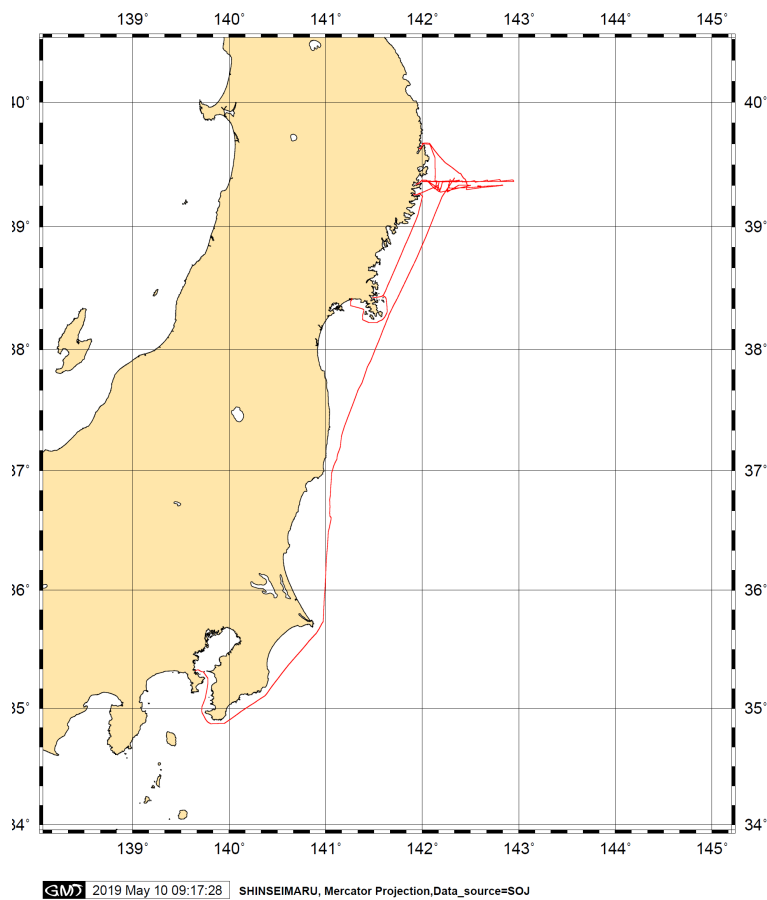
1. Cruise Information 航海情報

- Cruise ID KS-19-7
- Name of vessel R/V Shinsei-Mar
- Title of cruise

Research on the disturbance and recovery process of the ecosystem in Sanriku coastal area after the Tsunami

- Chief Scientist [Affiliation] Toshi Nagata, AORI, The University of Tokyo
- Cruise period, May 1, 2019 – May 10, 2019
- Ports of departure / call / arrival Ishinomaki-Miyako-Yokosuka
- Research area Sanriku coastal area
- Research map 調査海域図

KS-19-7_Nav Track



2. Research Proposal and Science Party 研究課題と共同研究者

- Title of proposal

Research on the disturbance and recovery process of the ecosystem in Sanriku coastal area after the Tsunami

- Representative of Science Party [Affiliation]
Toshi Nagata AORI, The University of Tokyo

- Science Party (List) [Affiliation, assignment etc.]

Toshi Nagata AORI

Shigeaki Kojima	AORI
Sachihiko Itoh	AORI
Hideki Fukuda	AORI
Yuichiro Nishibe	AORI
Yasunori Kano	AORI
Daigo Yanagimoto	AORI
Takuya Yahagi	AORI
Yuki Minegishi	AORI
Eisuke Tutsumi	AORI
Takashi Sakamoto	AORI
Yanhui Yang	AORI
Takuya Ohnishi	AORI
Kazuo Ishikawa	AORI
Aki Nakata	AORI
Genki Ishiyama	AORI
Asuto Sakai	AORI
Hiroki Iino	AORI
Eiji Masunaga	Ibaraki University
Waku Kimura	Ibaraki University
Masashi Ikeda	Ibaraki University
Takayoshi Inoue	Ibaraki University

3. Research/Development Activities 研究開発活動

- Monitoring of the ecosystem of Sanriku coastal area
 - Responsible personnel: Toshi Nagata
 - Purpose, background: To investigate the recovery process of ecosystem properties in the Sanriku area after the huge Tsunami that struck on the region on 11 March 2011.
 - Activities: CTD-RMS sampling (chlorophyll, nutrients, TS, particulate and dissolved organic matter, environmental DNA, phytoplankton composition),

- Monitoring of the ecosystem of Sanriku coastal area
 - Responsible personnel: Hideki Fukuda
 - Purpose: To investigate the particle distribution in the Sanriku coastal area.
 - Method: LISST (particle abundance and size composition)

- Monitoring of the ecosystem of Sanriku coastal area
 - Responsible personnel: Yuichiro Nishibe
 - Purpose: To investigate zooplankton distribution in the Sanriku coastal area
 - Method: NorPac net (zooplankton abundance and composition)

- Monitoring of the ecosystem of Sanriku coastal area
 - Responsible personnel: Yasunori Kano
 - Purpose: To investigate benthic organisms in the Sanriku coastal area
 - Method: Beam trawl (collection of benthic organisms)

- Investigation of the physical dynamics of in the Sanriku coastal area
 - Responsible personnel: Sachihiko Itoh
 - Purpose: To investigate the dynamics of fronts and seawater exchange between the bay and the offshore in the Sanriku coastal area
 - Methods: UCTD (high resolution survey of temperature, salinity, chlorophyll , turbidity and oxygen), VMP250 (turbulence)

○ 4. Cruise Log 航海ログ

● **5. Notice on Using** 利用上の注意

This cruise report is a preliminary documentation as of the end of cruise.
This report is not necessarily corrected even if there is any inaccurate description (i.e. taxonomic classifications). This report is subject to be revised without notice. Some data on this report may be raw or unprocessed. If you are going to use or refer the data on this report, it is recommended to ask the Chief Scientist for latest status.
Users of information on this report are requested to submit Publication Report to Cooperative Research Cruise office.

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