HOKKAIDO UNIVERSITY

Title	PART I -7. THE " OSHORO MARU " CRUISE 046 to TOKACHI OFF, PACIFIC OCEAN IN NOVEMBER 2017
Citation	海洋調査漁業試験要報, 61, 40-42
Issue Date	2021-03-31
Doc URL	http://hdl.handle.net/2115/80745
Type	bulletin (dataset)
File Information	Data.Rec.Oceanogr.Obs.Expl.Fish.61.40.pdf

Instructions for use

Hokkaido University Collection of Scholarly and Academic Papers : HUSCAP

7

THE "OSHORO MARU" CRUISE 046
TO TOKACHI OFF, PACIFIC OCEAN

IN NOVEMBER 2017

Cruise 046

Departure from Hakodate	Nov.	6, 2017
Arrival at Kushiro		7
Departure from Kushiro and start hydrographic research		8
Finish hydrographic research and arrival at Kushiro		10

Total coverage 551.7miles

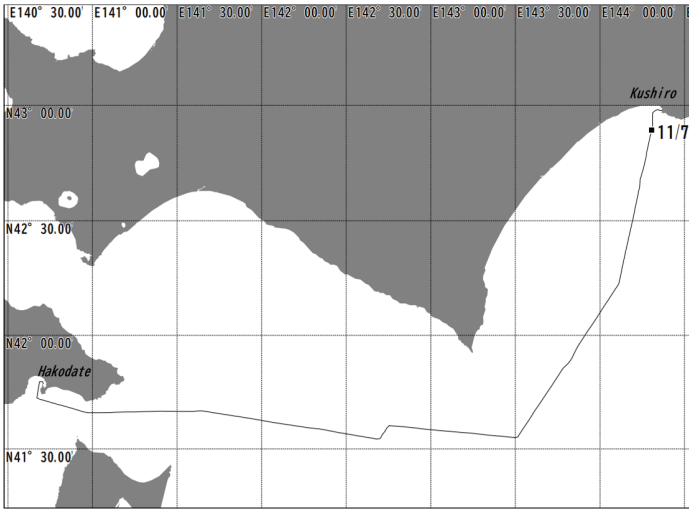

Fig. 1-1: Noon Position

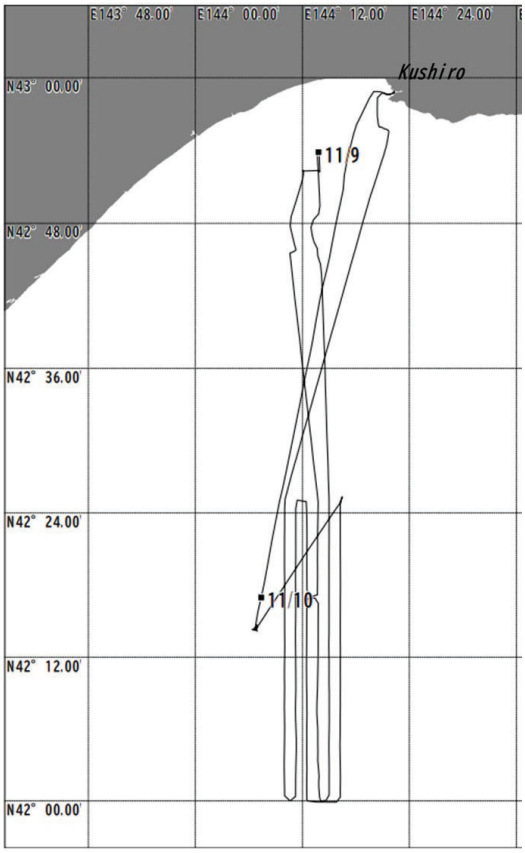

Fig. 1-2: Noon Position

2. Vessel Personnel

Crew: Captain: Associate Professor Shogo Takagi

And 32 persons

Research Staff:

Professor (Civil and Environmental Engineering, Kitami Institute of Technology)
Satoshi Yamashita

Professor (Environmental and Energy Resource Research center, Kitami Institute of Technology)
Akihiro Hachikubo

Associate Professor (Biotechnology and Environmental Chemistry, Kitami Institute of Technology)
Masaaki Konishi

Associate Professor (Civil and Environmental Engineering, Kitami Institute of Technology)
Kazutaka Tateyama

Assistant Professor (Materials Science and Engineering, Kitami Institute of Technology)
Hirotoshi Sakagami

Assistant Professor (Civil and Environmental Engineering, Kitami Institute of Technology)
Shintaro Yamasaki

Technical Staff (New Energy Resources Research Center, Kitami Institute of Technology)
Kinji Hyakutake

Assistant Professor (Department of Civil Engineering, Kobe University)
Satuki Kataoka

Assistant Professor (Graduate School of Advanced Science of Matter, Hiroshima University)
Takahisa Tajima

Graduate Student: 8 persons

Undergraduate Student: 34 persons

3. Items of Research

A short cruise to conduct shipboard training in hydrographic observations and research of methane hydrate for undergraduate students in Kitami Institute of Technology.

Hydrographic observations: Temperature and salinity were measured by CTD (Seabird SBE-9Plus and XCTD). Dynamic computations were made using a desk-top computer aboard the "*Oshoromaru*". Water sampling were also carried out at almost every hydrographic stations.

Methane hydrate research: Bottom sampling by SEDIMENT MULTIPLE CORER and PISTONE CORE SAMPLER, and bottom survey using quantitative echo sounder and narrow multi beam echo sounder.