



HOKKAIDO UNIVERSITY

Title	7. The "Oshoro maru" Cruise 246 to Around Hokkaido in September 2012
Citation	海洋調査漁業試験要報, 56, 75-77
Issue Date	2015-03-31
Doc URL	https://hdl.handle.net/2115/77473
Type	dataset
File Information	Data.Rec.Oceanogr.Obs.Expl.Fish.56.75.pdf



7.

THE "OSHO RO MARU" CRUISE 246 TO AROUND HOKKAIDO

IN SEPTEMBER 2012

1. Cruise Itinerary

Cruise 246

Departure from Hakodate

Sep. 14, 2012

Start and finish bottom trawl (OS1202)

15

Arrival at Muroran and Departure from Muroran

16

Return to Hakodate

18

Total coverage 221.4miles

2. Vessel Personnel

Crew: Captain: Associate Professor

Shogo Takagi

And 30 persons

3. Items of Training and Research

A short cruise to conduct shipboard training in hydrographic observations, plankton samplings, sighting survey of marine mammals, and biological processing of trawl catch for undergraduate students in Hokkaido University.

Bottom trawl observations:

One operation of the stern otter Bottom trawl were carried out.

These operations were supervised by the captain, and were conducted by deck officers, Science officer, crews, research staff and cadets.

Table 1, 2

Table 1: Data on bottom trawl research during the "Oshoro Maru" Cruise #246

No. of research	Date and time of net tow (S.M.T.*1)		Position		T.D.*2	D.S.*3	Speed of tow (K't)	Bottom depth(m)	Wr*4	Wind	S.T.*5 (°C)
			Lat. (N)	Long. (E)							
OST1202	Sep. 15	0600-0905	41-52.6	141-42.5	+9h	340	3.7	840	c	SSE-2	24.4

*1 S.M.T. : Ship's Mean Time.

*2 T.D. : Time Difference between Greenwich Mean Time (G.M.T.) and Ship's Mean Time (S.M.T.).

*3 D.S. : Direction of tow.

*4 Wr : Weather (c: 75-99% clouded).

*5 S.T. : Surface temperature.

Table 2. Date on catches by bottom trawl research

Japanese name	Scientific Name	OST1202	
		Number	Weight (kg)
Kuroshigiunagi	<i>Avocettina infans</i>	1	0.025
Irakoanago	<i>Synaphobranchus kaupi</i>	5	2.57
Mikadohadaka	<i>Nannobranchium regale</i>	8	0.411
Mamehadaka	<i>Lampanyctus jordani</i>	22	0.43
Karasudara	<i>halargyreus johnsonii</i>	2	0.474
Kanadadara	<i>Antimora microlepis</i>	17	4.50
Itohikidara	<i>Laemonema longipes</i>	82	47.60
Suketodara	<i>Theragra chalcogramma</i>	1	0.48
Munedara	<i>Coryphaenoides pectoralis</i>	1	0.78
Karafutosokodara	<i>Coryphaenoides cinereus</i>	109	23.30
Nezumiginpo	<i>Lumpenella longirostris</i>	7	0.41
Shirogenge	<i>Bothrocara molle</i>	126	49.30
Kichiji	<i>Sebastolobus macrochir</i>	41	7.30
Nyuudoukajika	<i>Psychrolutes phrictus</i>	2	1.78
Tako-rui	Octopoda spp.	48	12.2
Ika-rui	Cephalopoda spp.	14	4.5
Koukatu-rui	Crustacea spp.	4	1.07

