



## **CRUISE REPORT ON RESEARCH ACTIVITY**

**M.V. SEAFDEC 2 Cruise No. 1-1/2004**

**19 April – 15 May 2004**

**Engineering and Hydro Acoustic practice, Fishing trial and  
Oceanographic equipment testing**

**Andaman sea: Thai water**

**TD/RP/79**

This report is based on preliminary data

For readers who may need data in the report, please contact to:

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# Cruise Report

## 1. Cruise Summary

**Vessel name:** MV.SEAFDEC2

**Cruise no.:** 1-1/2004 **Leg no:** -

**Duration:** 19 April – 15 May 2004

**Project Title:** -

**Objective:** To carry out Engineering practice, Fishing test and acoustic equipment practice.

**Covered water:** Andaman sea  
from 97°00'-98°00' and 7°00' - 8°00'

**Port of call:** Phuket

**Expected date for final report or scientific paper:** -

## 2. List of Research Projects

Ship personal

No.	Position	Name
1.	Captain	Mr. Tossaporn Sukhapindha
2.	Chief Engineer	Mr. Veerachai Chettasumon
3.	Second Officer	Mr. Suren Pruksarat
4.	Third Officer	Mr. Somphote Vudthipanyo
5.	Second Engineer	Mr. Komson Sangphuek
6.	Third Engineer	Mr. Sak Pradit
7.	Boatswain	Mr. Vudthirat Vudthipanyo
8.	Steersman	Mr. Pradit Kui-Prasert
9.	Steersman	Mr. Tana Rungjoy
10.	Fitter	Mr. Vallop Phimroon
11.	Oiler	Mr. Prew Shodok
12.	Oiler	Mr. Boontarin Wora-in
13.	Oiler	Mr. Dum Tunyachareon
14.	Cook	Mr. Saichon Konnom
15.	Ship's Boy	Mr. Somsak Phackumhuk

Personal from SEAFDEC/TD and equipment vender

No.	Position	Name
1.	Machinery Engineer	Mr. Hiroshi Shimotai (19/4-2/5)
2.	Fishing Expert	Mr. Nobuyuki Imai (25/4-8-5)
3.	Fishing Expert	Mr. Osamu Oba (25/4-8/5)
4.	Fishing Expert	Mr. Koji Sugita (25/4-8/5)
5.	Acoustic equipment	Mr. Chihari Suzuki ( 1-14/5)
6.	Acoustic equipment	Mr. Masaki Ogata (9-14/5)
7.	Navigation aids and radios/engineer	Mr. Yukihiro Narita (1-8/5)
8.	Fisheries Engineering	Mr. Toyonori Watanabe (25-29/4)
9.	Engineer	Mr. Nakano (25/4-2/5)
10.	Participant	Mr. Sutee Rajruchithong (24/4-14/5)
11.	Participant	Mr. Chainarong Chaopaknam (24/4-8/5)
12.	Participant	Dr. Yuttana Theparoonrat (9-15/5)
13.	Participant	Mr. Suthipong Thanasarnsakorn (19-24/5)
14.	Participant	Mr. Thaweesak Timkrub (19-24/5)
15.	Participant	Dr. Taweekiet Amornpiyakrit (5-15/5)
16.	Participant	Mr. Nopporn Manaut (5-15/5)
17.	Participant	Ms. Pattaratjit Kaewnuratchadasorn (19/4-3/5)
18.	Participant	Ms. Kamolwan Pokaeo (19/4-3/5 )
19.	Participant	Ms. Penchan Laongmnee (25/4-1/5)
20.	Participant	Mr. Isara Chanrachakit
21.	Participant	Mr. Sayan Promjinda
22.	Participant	Mr. Pratakphol Prajukjit
23.	Participant	Mr. Aussawin Bouchoui

### **3. Observation Summary**

Cruise was designed for conducting the practical training on the Engineering, Fishing operation, Oceanographic data collecting by using oceanographic equipments, navigators practice on the use of modern navigation and hydro-acoustic equipments. Technicians from the companies i.e., Engineer (Niigata Dockyard, Kawasaki Heavy Industry and Yanmar Engine Company), Fishing gear and Accessory (Teitoseiko), Oceanographic equipment (Nippon Kaiki) and Navigation & Hydroacoustic equipment (FURUNO company) had collaborated to conducted the final trial on the efficiency of all equipment installed on board M.V.SEAFDEC2 and to teach scientists and crews of M.V.SEAFDEC2 on the use of those equipments. Fishing operation by Bottom trawl, Pelagic trawl, Pelagic longline, Bottom vertical longline and Drifting gillnet has been successful practiced during the cruise. Practical on the ICTD and TSG had been arranged to oceanographers. Navigator and scientist also had practiced the data recorded by Scientific Echo Sounder FQ-80 and Side-scanned SONAR, HS-600. Scientists and crews

of SEAFDEC2 gained better skill and understand the operation of fishing and oceanographic survey.

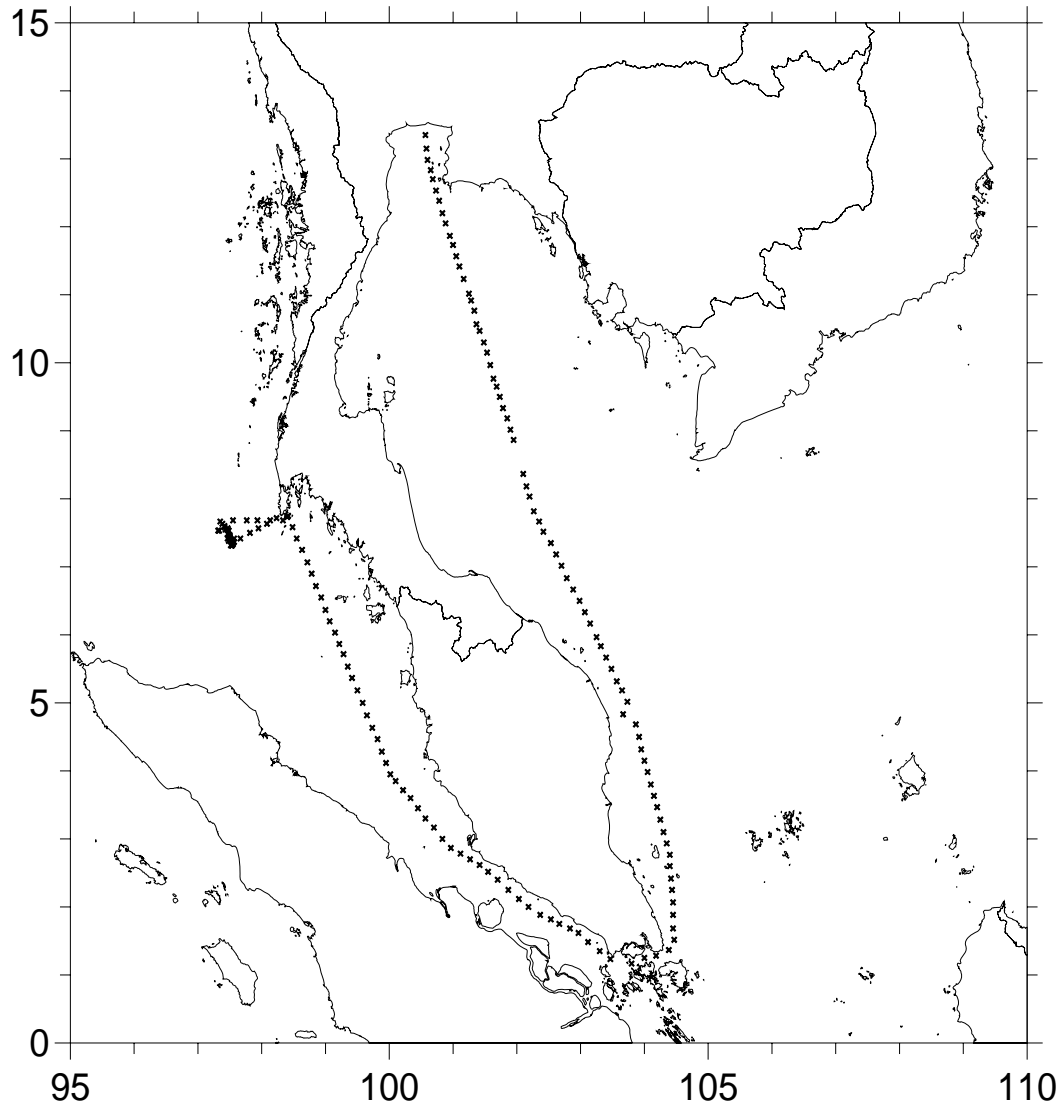


Fig. 1 Ship route of MV. SEAFDEC2 Cr1-1/2004

Fig. 2 Picture of fishing trial and Oceanographic equipment test







## BOTTOM VERTICAL LONGLINE FISHING LOGSHEET

Record by...P. SAYAN.....

Cruise no: 1-1 /2004		Name of Vessel				Air temp: 29.18 °C	
Station no: 01		M.V. SEAFDEC 2				Air press: 1005 mbar	
Date: 05/5/2004						Humidity: 78 %	
Moon age:		Start shooting		Finish shooting		Water	
Wind		Time	0630	Time	0707	Surface temp: 30.48 °C	
Speed	Direction	Lat.	06_37.085 N	Lat.	06_35.928 N	Bottom temp: ..... °C	
4	330	Long.	98_06.077 E	Long	98_05.845 E	Transparancy ..... m	
Weather condition: cloudy		Start hauling		Finish hauling		Current	
Sea condition: Slight		Time	0900	Time	1015	Depth	Speed
Total branch line: 72		Lat.	6_35.95 N	Lat.	6_36.62 N	10	0.5
No. hook/branch line: 8		Long.	98_06.11 E	Long	98_06.28 E	50	0.4
Total hook no: 576		Memorandum: Ship speed 2.1 Direction 180 Sae depth 141 m				100	0.3
Type of bait: squid						Total catch in number:	
Immersion time:						Total catch in weight:	

Branch No.	Hook No.	Species	Length ( cm)	Weight (kg)	Remarks
		<i>Lepichielus carnolabrum</i>		13.9	14 pcs.
		<i>Epinephelus spp.</i>		16.3	14
		<i>Priacanthus sp.</i>		1.6	1
		<i>Pristipomides sp.</i>		41.9	40
	*	<i>Scorpaenodes sp.</i>		6	2
		<i>Centroberyx druzhinini</i>		8.3	6
		<i>Satyrichthys welchi</i>		0.2	1
		<i>Octopus spp.</i>		0.6	1
		<i>Gymnothorax sp.</i>		0.2	1
	*	Shark ( <i>Northern wobbelong</i> )		5	14
		<i>Squalus japonicus</i>		1.87	1
		<i>Etelis sp.</i>		9.1	7



