



## **CRUISE REPORT ON RESEARCH ACTIVITY**

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

**16 May- 3 June 2004**

**Verify Research Methodology of M.V. SEAFDEC 2 in  
Myanmar and Indonesia**

**TD/RP/80**

This report is base on preliminary data

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

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## Cruise Report on Research Activities

### 1. Cruise Summary

**Vessel name:** M.V. SEAFDEC 2  
**Cruise no.:** 2-2/2004                      **Leg no:** -  
**Project Title:** Verify research methodology in waters of Myanmar and Indonesia  
**Duration:** 16 May – 3 June 2004  
**Covered water:** Myanmar and Indonesia  
**Port of call:** Myeik(Mergu) & Belawan ,Pulau Batam (Indonesia)  
**Objective:** To verify research methodology in water of relevant countries

### 2. List of personal on board

#### Ship personnel

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. Padung Gowlimhuat
7	Boatswain	Mr. Vudthirat Vudthipanyo
8	Steerman	Mr. Pradit Kui-prasert
9	Steerman	Mr. Tana Rungjoy
10	A/B	Mr. Phairoj Sudkangwan
11	Fitter	Mr. Vallop Phimroon
12	Oiler	Mr. Plew Shodok
13	Oiler	Mr. Boontarin Wora-in
14	Cook	Mr. Saichol Kornnoom
15	Ship's boy	Mr. Somsak Phackumhuk

#### SEAFDEC/TD/MFRDMD

No.	Position	Name
16	Chief/Scientist	Mr. Isara Chanrachkij
17	Researcher	Mr. Anurak Loog-on
18	Oceanographer	Mr. Sukchai Anuparpboon
19	Researcher	Mr. Sharum Bin Yusof (25 Apr-2 May)
20	Researcher	Mr. Nasrudin Bin Nik Ismail (25 Apr-2 May)
21	Researcher	Mr. Ahmad Bin Ali (25 Apr-2 May)
22	Researcher	Mr. Nadzri Seman (1 -14 May)
23	Researcher	Mr. Nik Nasrudin Nik Ismail (1-14 May)

Myanmar

No.	Position	Name
22	Researcher	Mr. Myint Shwe
23	Researcher	Mr. Ihin Maung Naing
24	Navy	Mr. Maung Maung Oo
25	Navy	Mr. Nyunt Win
26	Navy	Mr. Saw San Oo
27	Navy	Mr. Aung Kyi Oo

Indonesia

No.	Position	Name

**Myanmar**

**TRAWL FISHING LOGSHEET**

Record by...P. SAYAN.

Cruise no: 02-2/2004		Name of Vessel				Air temp: 29.2 °C
Station no: 01		M.V.SEAFFDEC 2				Air press: 1006.5 mbar
Date: 19/05/2004		Start shooting		Finish shooting		Humidity: 78 %
Moon age:		Time	0700	Time	0723	Water
Wind		Lat.	13_16.6 N	Lat.	13_17.26 N	Surface temp: 29.5 °C
Speed	Direction	Long.	98_13.51 E	Long.	98_14.12 E	Bottom temp: ..... °C
7	S	Start hauling		Finish hauling		Transparency ..... m
Sea condition: Moderate		Time	0822	Time	0839	Color: .....
Weather condition: Couldy		Lat.	13_20.80 N	Lat.	13_20.9 N	current
Speed vessel: 4.4 Kt		Long.	98_16.7 E	Long.	98_17.1 E	Depth
R.P.M. 900		Fishing Gear				10
Propeller pit: 3		Type: Bottom trawl				0.7
Wire		Number:				E
Out	100 m	Net opening: 5.1 m				Type of bottom:
Angle		Net spread: 38 m (error)				Depth of capture: 34.6 M
Memorandum:						

no.	Fish Species	Length (cm)	Weight (kg)	Other species	Length (cm)	Weight (kg)	Remarks
1	Croaker	128	16	Stingray		55	225 Pcs.
2	Croaker	125	18	Shrimp		1.4	108 pcs.
3	Croaker	99	7	Crab		2	19 pcs
4	Croaker	86	5.5	<i>Sepia sp.</i>		2	62 pcs.
5	Croaker	88	6	<i>Loligo sp.</i>		2.7	14 pcs.
6	Snapper	67	3.4	Croaker		9	16 pcs.
7	Snapper	67	3.6	Snapper		8	18 pcs.
8	Snapper	55	2.1	Economic fish		6.5	
9	Snapper	48	1.4	( Fish sampling)			
10	Snapper	45	1.2	<i>Pamahlia sp.</i>		4.84	
11	Snapper	45	1.45	Pony fish		3.4	
12	Snapper	35	0.7	<i>Nemipterus sp.</i>		0.38	
13	Snapper	28	0.3	<i>Lutinus lineolatus</i>		0.48	
14	Snapper	73	5	<i>Setipinna taty</i>		0.37	
				<i>Illisha elongata</i>		0.39	
				<i>Trichiurus</i>		0.59	
				<i>Siganus oramin</i>		0.1	
				<i>Sepia sp.</i>		0.17	
				<i>Loligo sp.</i>		0.05	
				<i>Ambassis nalua</i>		0.14	
				<i>Stolephourus</i>		0.04	
				<i>Tetrodon sp.</i>		0.44	
				<i>Apogon</i>		0.2	
				<i>Arius sp.</i>		0.07	
				<i>Mugil sp.</i>		0.04	
				Crab+Shrimp		0.07	

## SQUID JIGGING FISHING LOGSHEET

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

Cruise no.2-2/2004		Name of Vessel				Air temp.	27.2	°C
Station no. 02		M.V. SEAFDEC 2				Air press.	1006	mbar
Date 19/ May /2004		Start Luring		Finish Luring		Humidity	84	%
Moon age						Water		
Wind		Time	1900		0010	Surface temp:	29.5	°C
Speed	Direction	Start Jigging		Finish Jigging		Transparency :	.....	°C
10	S	Time	2010	Time	0010	Depth:	26	m
Weather condition: Rain		Lat.	12_44.95 N	Lat.	12_44.93 N	Angling depth	24	m
No. of jig		Long	98_22.26 E	Long	98_22.28 E	Total catch by weight (kg)		
M1	18	M2	18	Total		4		Hrs.
M3	18	M4	18	Biodata:				By Individual (ind).
Total		72 jigs		Memorandum:				Target species:
ICTD data file:								
Disk #								

No.	Species		Sex (M/F)	NG (mm)	GN (mm)	Collecting (Y/N)			Remarks
	ML(cm)	W (g)				statolith	Stomuch	Others	
	<i>Loligo sp.</i>								
1	12.5	50							
2	12.5	50							
3	13.5	60							
4	10	40							
5	9.5	40							
6	21	90							
7	6	5							
8	11	30							
9	11	40							
10	10	25							
11	10.5	25							
12	9.5	20							
13	13.5	70							
14	12	50							
15	15.5	80							
16	11	30							
17	11.5	40							
18	15	60							
19	17	70							
20	13.5	85							
21	12.5	70							
22	11	40							
23	20	100							
24	17.5	140							
25	21.5	70							
26	13	45							
27	11.5	80							

No.	Species		Sex (M/F)	NG (mm)	GN (mm)	Collecting (Y/N)			Remarks
	ML(cm)	W (g)				statolith	Stomuch	Others	
	<i>Loligo sp.</i>								
28	18.5	80							
29	11	50							
30	12	50							
31	12	60							
32	12.5	50							
33	13	70							
34	18.5	80							
35	13	60							
36	10	30							
37	10.5	30							
38	10.5	30							
39	10.5	30							
40	14	40							
41	9.5	25							
42	12	40							
43	14	60							
44	13.5	70							
45	10	40							
46	12	40							
47	9	30							
48	11	50							
49	9	30							
	<i>Sepia sp.</i>								
50	14.5	160							

**Indonesia**

**TRAWL FISHING LOGSHEET**

Record by.....P. SAYAN

Cruise no: 02-2/2004		Name of Vessel				Air temp: 30.54 °C	
Station no: 01		M.V.SEAFDEC 2				Air press: 1011 mbar	
Date: 28 / May /2004		Start shooting		Finish shooting		Humidity: 67 %	
Moon age:		Time	1256	Time	1312	Water	
Wind		Lat.	04_00.18 N	Lat.	04_00.89 N	Surface temp: 32.08 °C	
Speed	Direction	Long.	99_29.96 E	Long.	99_29.83 E	Bottom temp: ..... °C	
0	NW/N	Start hauling		Finish hauling		Transparency: ..... m	
Sea condition: Smooth		Time	1337	Time	1356	Color: .....	
Weather condition: Clear		Lat.	04_02.41 N	Lat.	04_02.31 N	current	
Speed vessel: 3.8 Kt		Long.	99_29.34 E	Long.	99_28.69 E	Depth	Speed
R.P.M. 900		Fishing Gear				10	0.3
Propeller pit: 3		Type: Bottom trawl				50	0.4
Wire		Number: 1				100	0.2
Out	220 m	Net opening: 3 m				Type of bottom: MS	
Angle		Net spread: 19.5 m				Depth of capture: 58 - 64 m	
Memorandum:							

no.	Fish Species	Length (cm)	Weight (kg)	Other species	Length (cm)	Weight (kg)	Remarks
1	<i>Saurida undosquamis</i>	(7 pcs.)	0.15				
2	<i>Saurida elongata</i>		120				
3	<i>Apogon sp.</i>	(4 pcs.)	0.02				
4	<i>Pseudorhombus sp.</i>		0.14				
5	<i>Parupeneus sp.</i>	( 6pcs.)	0.15				
6	<i>Nemipterus peronii</i>		0.06				
7	<i>Nemipterus sp.</i>		0.03				
8	Ponyfish	(3 pcs.)	0.02				
9	<i>Dasyatis kuhlii</i>	(29 psc.)	18.3				
10	<i>Loligo sp.</i>	(43 pcs.)	0.58				
11	<i>Sepia sp.</i> (ML cm)	25	1				
12	<i>Sepia sp.</i> (ML cm)	26.5	1.15				
13	<i>Sepia sp.</i> (ML cm)	28	1.5				

# Survey area in Indonesia

