



**Establishment and Operation of a Regional System of  
Fisheries *Refugia* in the South China Sea and Gulf of Thailand**

**REPORT**

**THE BASELINE SURVEY OF SHORT MACKEREL  
AND FISH LARVAE COLLECTION**

**KOH KONG, CAMBODIA  
09-14 JUNE 2019**

Prepared by  
**FISHERIES ADMINISTRATION, CAMBODIA**

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SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER  
TRAINING DEPARTMENT



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### 1. Objective

- 1) To monitor mackerel gonad development and collect sampling fish larvae in Koh Kong province from 09 to 14 June 2019 under the support of SEAFDEC/UNEP/GEF.

### 2. Involved Person

- 2) There are four leaders and officers from Department of Fisheries Conservation and two officers from Fisheries Administration Cantonment in Koh Kong, participating in doing a research of baseline survey short mackerel in Koh Kong province naming as following (see Annex 1, 2 & 5):
  - Mr. Leng Sy Vann, Deputy Director of the Department of Fisheries Conservation and NSTFP
  - Mr. Prak Tith, Vice chief of Socioeconomic Division, Marine Fisheries Research and Development Institute(MFReDI)
  - Mr. Rous Saret, Officer of Department of Fisheries Conservation
  - Mr. Lieng Saroeun, Vice chief of Crocodile Industrial development and conservation, Department of Fisheries Conservation
  - Miss Map Chanda, 3rd year-student from RUA in the Faculty of Fisheries Science
  - Mr. Nou Ngoy, Vice Chief of Fisheries Administration Division, Koh Kong FiAC
  - Mr. Seng Bunna, Vice Chief of Fisheries Administration Division, Koh Kong FiAC

### 3. Field Trip Activities

#### A. Collection of fish samples at landing sites and markets

- 3) Teamwork from FiA and FiAC went down to collect the sampling short mackerel at Dornng Tung market, Village 4 market, and LYP landing site, but the teamwork cannot buy those fish because fishermen cannot catch fish around Koh Yor and Code area in Koh Kong based on fish sellers (see annex 2).

#### B. Interview Fishermen at Village 4

- 4) Teamwork went down to interview 20 fishermen at village 4, Sangkhat Dornng Tung, Khan Kem Reak Phummin, Koh Kong province in order to want to know about their short mackerel fishing status. According to interviewing fishermen, they went fishing at Koh Yor, Koh Kapi, Koh Krao, Koh Sdach, Koh Chlarm, Koh Pring, Koh Code, Peam Krosob, and Lamdam.
- 5) They can catch fish much starting from September to December at Peam Krosob, Koh Kapi, Koh Yor, Koh Code, and Koh Kong Krao that can catch 38.50Kg of fish per day, but that amount reduced by 20kg/day from January to March. Totally they can catch 3873kg of fish/season.
- 6) Generally, caught fish were sold to fish trader at Village 4 and Dornng Tung market at Sangkhat Dornng Tung, Khan Khemra Rak Phum Min, Koh Kong province and whole seller at LYP landing site at Bak Klornng village, Bak Lhornng conmmune, Monddol Sema district, Koh Kong in the price of Riel 4500/kg during peak fishing season from September to December. But that price increased to Riel 7000/kg during low fishing season from January to March.

#### C. Fish larvae collection

- 7) Teamwork from FiA and FiAC went down to collect sampling fish larvae at Koh Yor, Chroy Pros, and Peam Krasob sites that are 8 stations. The bongo net with the size of 0.45 cm diameter and 1.5 meters length was applied to collect sampling fish larvae and two times/station was conducted to collect fish larvae. All sampling fish larvae were stored and kept in plastic tube with ethanol of 99.7%.

**ANNEX 1****List of participants attending the baseline survey of short mackerel gonad development from 09 to 14 June 2019 in Koh Kong province**

<b>Name</b>	<b>Sex</b>	<b>Title</b>	<b>Organization</b>	<b>Telephone</b>
1. Leng Sy Vann	M	Deputy Director	DFC/FiA	017446373
2. Prak Tith	M	Officer	DFC/FiA	077926646
3. Lieng Saroeun	M	Vice chief of Crocodile industrial and conservation division	DFC/FiA	092660267
4. Rous Saret	M	Officer	DFC/FiA	011664696
5. Seng Bunna	M	Vice chief of Fisheries Administration Division	Koh Kong FiAC	016885709
6. Nou Ngoy	M	Vice chief of Fisheries Administration Division	Koh Kong FiAC	016933192
7. Map Chanda	F	Student	Faculty of Fisheries Science /RUA	077511674

## ANNEX 2

## Schedule for baseline survey of short mackerel gonad development from 09 to 14 June 2019 in Koh Kong province

Date/Time	Description	Responsible person
<b>09 June 2019</b>		
9:00am-4:00pm	Leaving Phnom Penh for Koh Kong	<ul style="list-style-type: none"> <li>• Mr. Lieng Saroeun,</li> <li>• Mr. Leng Sy Vann,</li> <li>• Mr. Prak Tith, and</li> <li>• Mr. Rous Sareth</li> <li>• Miss Map Chanda</li> </ul>
<b>10 June 2019</b>		
9:00am- 12:00pm	Collection of fish sample at fishing ground at Village 4 and Dorng Tung market	All
12:00pm-2:00pm	Lunch break	All
2:00pm-5:00pm	Fish operation to monitor fish gonad and DNA	All
<b>11 June 2019</b>		
8:00am-1:00pm	Sample fish larvae collection at station 2, 4, 1 and 7	All
1:00pm -3:00pm	Lunch break	All
3:00pm -5:00pm	Fish operation to monitor fish gonad and DNA	All
<b>12 June 2019</b>		
8:00-1:00pm	Sample fish larvae collection at station 6 and 8	All
1:00pm-3:00pm	Lunch break	All
3:00pm -5:00pm	Fish operation to monitor fish gonad and DNA	All
<b>13 June 2019</b>		
8:00-12:00pm	Sample fish larvae collection at station 3 and 5	All
12:00pm-2:00pm	Lunch break	All
2:00pm-4:00pm	Fish operation to monitor fish gonad and DNA	All
<b>14 June 2019</b>		
9:00am-4:00pm	Leaving Phnom Penh for Koh Kong	All

ANNEX 3

Participants' Photos attending the baseline survey of short mackerel gonad development from 09 to 14 June 2019 in Koh Kong province



