



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

REPORT

CONSULTATION MEETING ON IDENTIFY SPECIES FOR FISHERIES REFUGIA AT KOH RONGSALEM VILLAGE IN PREAH SIHANOUK

PREAH SIHANOUK, CAMBODIA

31 AUGUST 2017

Prepared by
FISHERIES ADMINISTRATION, CAMBODIA

SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER
TRAINING DEPARTMENT



Southeast Asian Fisheries
Development Center



United Nations
Environment



Global Environment
Facility

First published in Phrasamutchedi, Samut Prakan, Thailand in August 2017 by the SEAFDEC-UNEP-GEF Fisheries Refugia Project, Training Department of the Southeast Asian Fisheries Development Center

Copyright © 2017, SEAFDEC-UNEP-GEF Fisheries *Refugia* Project

This publication may be reproduced in whole or in part and in any form for educational or non-profit purposes without special permission from the copyright holder provided acknowledgement of the source is made. The SEAFDEC-UNEP-GEF Fisheries *Refugia* Project would appreciate receiving a copy of any publication that uses this publication as a source.

No use of this publication may be made for resale or for any other commercial purpose without prior permission in writing from the SEAFDEC Secretary-General at.

Southeast Asian Fisheries Development Center
Training Department
P.O.Box 97, Phrasamutchedi, Samut Prakan, Thailand
Tel: (66) 2 425 6100
Fax: (66) 2 425 6110
<https://fisheries-refugia.org> and
<https://seafdec.or.th>

DISCLAIMER:

The contents of this report do not necessarily reflect the views and policies of the Southeast Asian Fisheries Development Center, the United Nations Environment Programme, and the Global Environment Facility.

For citation purposes this document may be cited as:

FIA/Cambodia, 2017. Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and Gulf of Thailand, Report of Consultation Meeting on Identify Species for Fisheries Refugia at Koh Rongsalem village in PRAEH SIHANOUK. Southeast Asian Fisheries Development Center, Training Department, Samut Prakan, Thailand; FR/REP/CAM08, 9 p.

1. INTRODUCTION

- 1) The project teamwork of FiA that has supported by the project of Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and Gulf of Thailand has cooperated with Kampong Som FiA Cantonment and related local authorities organized the consultation meeting on identify fish species for fisheries refugia at Koh Rongsalem village, Koh Rongsanlem district, Kampong Som City, Preah Sihanouk province dated on 31 August 2017. The consultation meeting is, warmly welcomed by Mr.Ngeth Saroeun, Vice Chief of the Koh Rongsanlem district; opened remarks, leaded activities and closed ceremony by Mr. Leng Sy Vann, Field project Coordinator and Deputy Director of the Department of Fisheries Conservation(DFC). The purpose of the consultation meeting is to identify fish species for fisheries refugia in Koh Rongsanlem village.

2. OBJECTIVES

- 2) The specific objectives of the consultation meeting are as follows:
 - Discuss on selected site of fisheries refugia,
 - Discuss on fish species for selected fisheries refugia,
 - Discuss on related life cycle and habitat, and
 - Identify the threats and problems of critical fish species and resolve the problems.

3. Methodology, activities and materials

- 3) Fisheries conservation teamwork of FiA has cooperated with Kampong Som FiA Cantonment and related local authorities organized the consultation meeting on identify fish species for fisheries refugia at Koh Rongsalem village, Koh Rongsalem district, Kampong Som City, Preah Sihanouk province dated on 30 August 2017. The consultation meeting was conducted a full day and arranged by staff of the Kampong Som FiA cantonment including invitation of participants and preparing meeting room. The FiA teamwork plays roles as leaders and facilitators of the consultation meeting activities. The participants of the meeting were invited 30 persons whom are fishers, traders, tourism guide, private sector and related local authorities have worked related to fisheries surrounding the selected fisheries refugia to attend the consultation meeting dated on 31 August 2017 at Koh Rongsalem village, Koh Rongsalem district, Kampong Som City, Preah Sihanouk province. The consultation meeting was provided priority 50% of participants to ladies for attending.
- 4) Before starting the meeting, participants were named on the attendant list; meeting materials were provided to participants such as, note books, pens, plastic bags. The consultation meeting, warmly welcomed by Mr. Ngeth Saroeun, Vice Chief of the Koh Rongsalem district; opened remarks, leaded activities and closed ceremony by Mr. **Leng Sy Vann**, Field project Coordinator and Deputy Director of the Department of Fisheries Conservation (DFC). The consultation meeting was facilitated and presented documents by FiA teamwork (see picture of the meeting activities).
- 5) During the consultation meeting, documents were presented by **Mr. Leng Sy Vann** and **Mrs. Chin Leakena** (see presented documents). After presented documents, participants were divided to 03 groups for discussion with the same questionnaires that each group were facilitated by FiA teamwork. Results of discussion were presented by group leader for comments and questions (see meeting agenda). At the end of the meeting activities, the Mr. Leng Sy Vann has summarized and evaluated the results of the consultation meeting. The results of consultation meeting was reported by FiA teamwork.

4. PARTICIPANTS

- 6) Actually, 30 persons of participant were attended the consultation meeting by fishers, traders, tourism guide, private sector and related local authorities have worked related to fisheries surrounding the selected fisheries refugia dated on 30 August 2017 at Koh Rongsalem district, Kampong Som City, Preah Sihanouk province. The total amount of participants was included 08 persons of lady (see attendant list).

5. RESULTS

- 7) Through activities of the consultation meeting on identify fish species for fisheries refugia at Koh Rongsanlem village, Koh Rongsanlem district, Kampong Som City, Preah Sihanouk province dated on 31 August 2017, were well done by teamwork achieved successful results remarkable. The 95 percent of participants were noted understood the concept of fisheries refugia as well as meaning and importance of the fisheries refugia, and purpose and objectives of the meeting. The consultation meeting has agreed on selected site of fisheries refugia in Koh Rongsanlem village. The critical fish species for selected fisheries refugia in Koh Rongsanlem village are suggested to the meeting to select grouper, *Caranx ignobilis*, seabass, Swimming crab, Indian long scads and sea turtle. Most of fishes have appeared in brood stock and spawning stage with their offspring, hatching and larvae, especially, swimming crab, *Caranx ignobilis* and grouper. These species have been threatened by fishing activities using fishing gears such as gill net, purse seine net, trawling net, surrounding net and fishing by hook line for catching brood stocks of swimming crab, brood stocks of fish. For trawl fishing is one of fishing activities that really destroyed environment of seabed or fish habitat including coral reefs. The meeting noted that every year, swimming crab brood stock appears from November to December for releasing larvae; Indian long scads came to stay at the refugia site from October to December; grouper appear every month but mostly brood stock appears from October to March. Sea turtle were met by gill net but spawning habitat was destroyed by development of coastal area. Through final discussion, the meeting has decided to select grouper and *Caranx ignobilis* for selected fisheries refugia in Koh Rongsalem village.

Table of Fish Species selected for Fisheries Refugia in Koh Toch Village, Koh Rongsanlem district

SPECIES	LIFE-CYCLE STAGE	THREAT	IMMEDIATE CAUSE	ROOT CAUSE	MANAGEMENT ACTION
Grouper	Brood stock (Spwan around rock area from Oct-March)	Loosed habit (Loosed seagrass cause to purse seine net from Tomnoup Rolork)	<ul style="list-style-type: none"> • Hook line • Explosive chemical from Viet Nam • TN from Viet Nam • Development of coastal area • Trawling boat with high speed engine • Bottom gill net 	Destroyed gears	<ul style="list-style-type: none"> • Create artificial reef • Created patrol team • Improve management with closed country • Create fisheries refugia (increase stock) • Restore mangrove • Install buoy for demarcate boundary of conservation area
<i>Caranx ignobilis</i>	Brood stock (Sept- Oct)	Loosed habitat	<ul style="list-style-type: none"> • Illegal fishing gear • Bottom gill net(L=500mx H=3m) 	<ul style="list-style-type: none"> • Good market • High demand 	<ul style="list-style-type: none"> • Strengthen law enforcement /eliminate illegal fishing

			<ul style="list-style-type: none"> • Fishers from Thmor Sor 		<ul style="list-style-type: none"> • Closed cooperation with related institutions
--	--	--	--	--	--

- 8) Base on discussion, influent and interest of the fisheries conservation and management in this area are as follows;
- a) Influent institutions on fisheries conservation and management in this area
- Department of Agriculture, Forestry and Fisheries,
 - Local authority/Koh Rongsalem district
 - Kampong Som Fisheries Administration Cantonment
 - Community Fisheries
 - Marine Police and Marine Army Arm Force
 - FFI NGO
 - Techers and students
 - Tourist company
 - Tourist guides
 - Guests
 - Department of coastal company
 - Diving company., and
- b) Interest institutions on fisheries conservation and management in this area:
- Department of Agriculture, Forestry and Fisheries,
 - Local authority/Koh Rongsalem district
 - Kampong Som Fisheries Administration Cantonment
 - Community Fisheries
 - Marine Police and Marine Army Arm Force
 - FFI NGO
 - Techers and students
 - Tourist company
 - Tourist guide
 - Guests
 - Diving company, and
 - Department of coastal company.
- 9) To resolve the problems at site, Participants have suggested the consultation meeting to create fisheries refugia project, boundary demarcation of conservation area or fisheries refugia, improve management of conservation area through law enforcement. Most of them have promised that they will volunteer to joint monitoring and manage fisheries refugia or conservation area.

6. CONCLUSION

- 10) Base on the results of consultation meeting on identify fish species for fisheries refugia at Koh Rongsalem village, Koh Rongsanlem district, Kampong Som City, Preah Sihanouk

province dated on 31 August 2017 as mentioned on the above, the results of consultation meeting was described as follows;

- Participants have agreed on selected site of fisheries refugia in Koh Rongsalem village,
- Grouper and *Caranx ignobilis* was identified for fisheries refugia in Koh Rongsalem village,
- Brood stock come yearly at the habitat of selected site of fisheries refugia for spawning, hatching and nursing,
- Habitat was destroyed by trawling net,
- Spawning area of sea turtle was destroyed by development of coastal area,
- The brood stock was threated and destroyed by fishing such as bottom gill net, hook line, purse seine net, surrounding net and trawling net install with high speed engine, chemical explosives, and
- Local authority and community fishy have strongly supported to create fisheries refugia project as well as volunteers to monitor and protect fisheries refugia.

7. Picture of Consultation Meeting on Identify Species for Fisheries Refugia at Koh Rongsanlem village, Koh Rongsanlem district, Kampong Som city, Preah Sihanouk province, 31 August 2017



បញ្ជីវគ្គមានអ្នកចូលរួម
Attendance List

For Consultation Meeting on Identify Species for Fisheries Refugia at Koh Rongsanlem village, Koh Rongsanlem district, Kampong Som city, Preah Sihanouk province, 31 August 2017

នាម និងគោត្តនាម Name	ភេទ Sex	តួនាទី Title	អង្គការ Organization	លេខទូរស័ព្ទ Telephone	ហត្ថលេខា Signature
1. Chhun Thol	M	Deputy chief	Tom nouprolork FiA Division	012 891 173	
2. Chet San	M	Fisher	Koh Ronsanlem village		
3. Pho Nov	M	Deputy chief	Koh Rongsanlem CFi	087 858 811	
4. Lay Thay	M	Chief	Koh Rongsanlem CFi	016 222 901	
5. Ngeth Saroeun	M	Deputy chief	Koh Rongsanlem district	089 853 345	
6. Nhem Sovan	M	People	Koh Ronsanlem village		
7. Chheuy Sarin	M	CFi committee	Koh Ronsanlem CFi		
8. Sem Sarath	M	People	Koh Ronsanlem village		
9. San Sambo	M	People	Koh Ronsanlem village		
10. Mom Vuthy	M	People	Koh Ronsanlem village		
11. Ry Rong	M	People	Koh Ronsanlem village		
12. Chhoy Khim	M	People	Koh Ronsanlem village		
13. Bi Pan	M	Tourism guide	Koh Ronsanlem village		
14. Touch Leav	M	People	Koh Ronsanlem village		
15. Long Yan	M	CFi committee	Koh Ronsanlem CFi	096 8 801 177	

នាម និងគោត្តនាម Name	ភេទ Sex	តួនាទី Title	អង្គការ Organization	លេខទូរស័ព្ទ Telephone	ហត្ថលេខា Signature
16. Yeuy Sokha	M	People	Koh Ronsanlem village		
17. No Sarom	F	People	Koh Ronsanlem village		
18. Saing Nhor	F	People	Koh Ronsanlem village		
19. Soy Rith	F	People	Koh Ronsanlem village		
20. Chab Nang	F	People	Koh Toch village		
21. Long Ky	F	People	Koh Toch village		
22. Sem Phalla	F	People	Koh Toch primary school		
23. Yoeung Thearo	M	Patrol team	Koh Ronsanlem CFi	096 7 399 964	
24. Ry Nha	M	Fisher	Koh Toch Village		
25. Pho Nin	M	Fisher	Koh Toch Village	098 824 092	
26. Ry Pov	M	Patrol team	Koh Ronsanlem CFi		
27. Pho Ny	M	Chief of patrol team	Koh Ronsanlem CFi	016 633 302	
28. Pheng Vanny	M	Patrol team	Koh Ronsanlem CFi		
29. Chhorn Nin	M	Patrol team	Koh Ronsanlem CFi	016 877 210	
30. Nhem Eou	M	Patrol team	Koh Ronsanlem CFi		
31. Pho Heung		Patrol team	Koh Ronsanlem CFi	081 440 099	
32. Leng Sy Vann	M	Deputy director	DFC, FiA	017 446 373	
33. Chann Sopheap	M	Chief	Endangered Aquatic Species Division, DFC	012 929 220	

នាម និងគោត្តនាម Name	ភេទ Sex	តួនាទី Title	អង្គការ Organization	លេខទូរស័ព្ទ Telephone	ហត្ថលេខា Signature
34. Chin Leakena	F	Deputy director	DAAL, FiA	078 686 840	
35. En Net	M	Staff	FiA	078 544 057	
36. Ham Radong	M	Staff	FiA	069 578 227	
37. Kim Sokha	M	Chief	Fisheries Conservation Division, DFC	012 784 687	