



APFIC Regional Expert Workshop on Tropical Trawl Fishery Management “Thailand”

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Scope of presentation

- **Development of Trawl Fisheries in Thailand**
- **Status of Trawl Fisheries in Thailand**
- **Management Measure of Trawl fisheries**



Development of Trawl Fisheries in Thailand

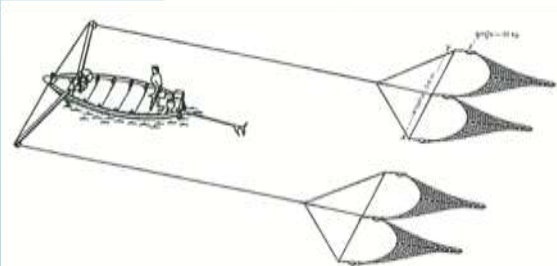
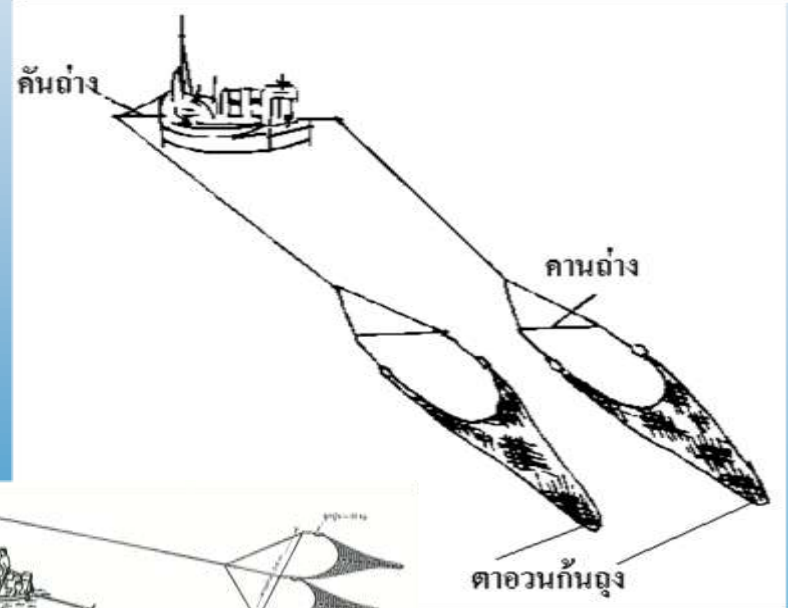
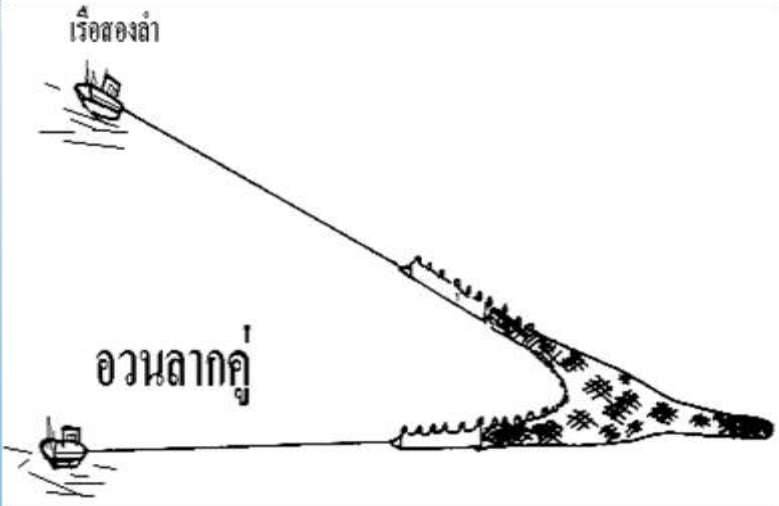
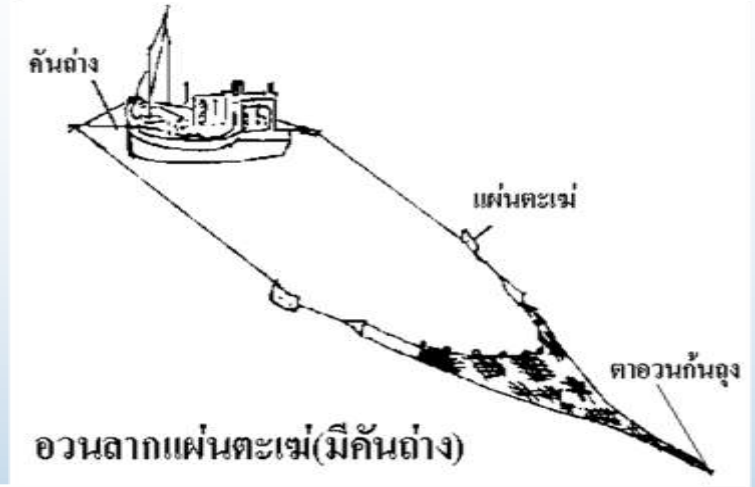
1930- Motorized pair trawl introduced from Japan (not trendy)

1960- First experiment of otter board trawl

1968- Oversea trawl Fisheries

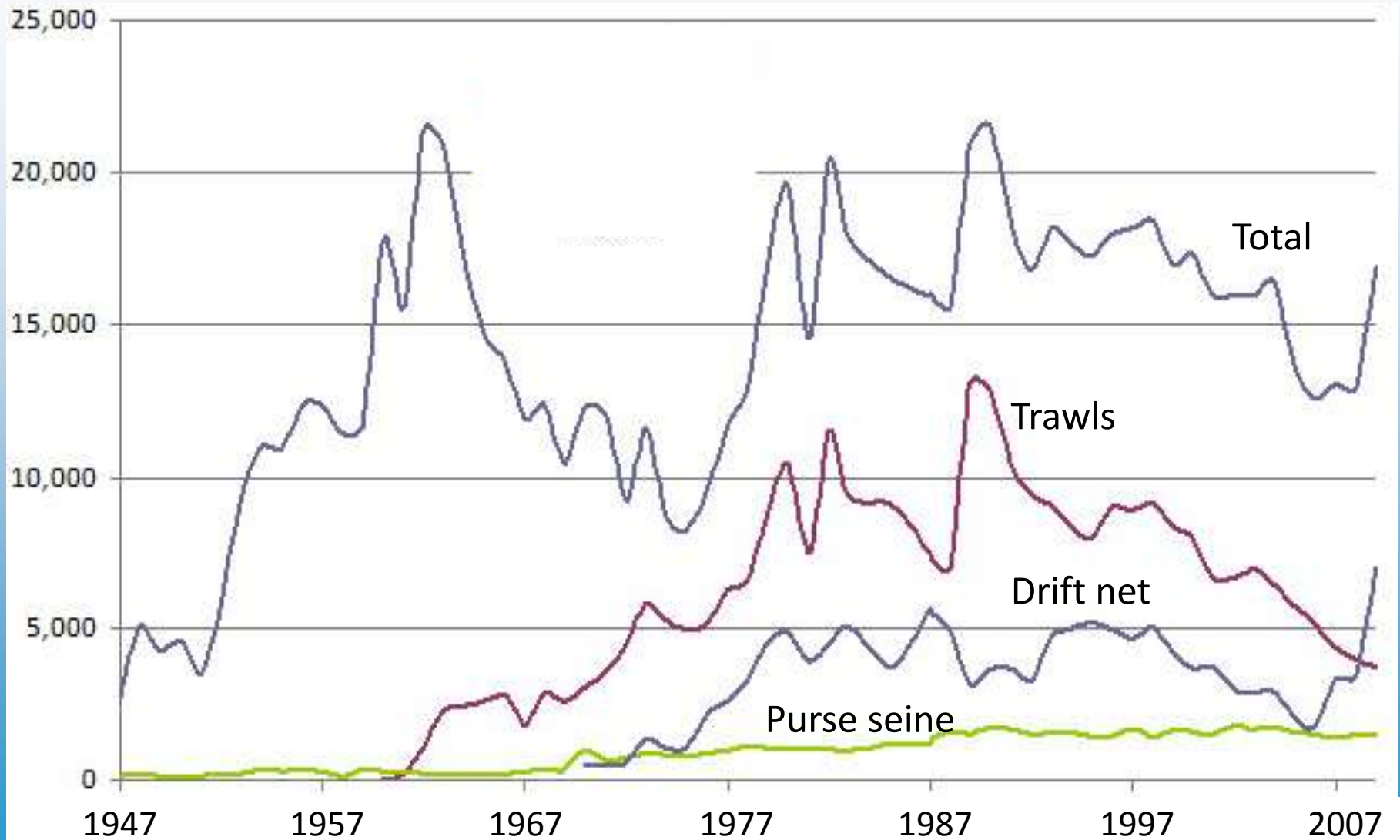


Type of Trawl Fisheries in Thailand





Number of fishing gears in Thailand during 1947-2007



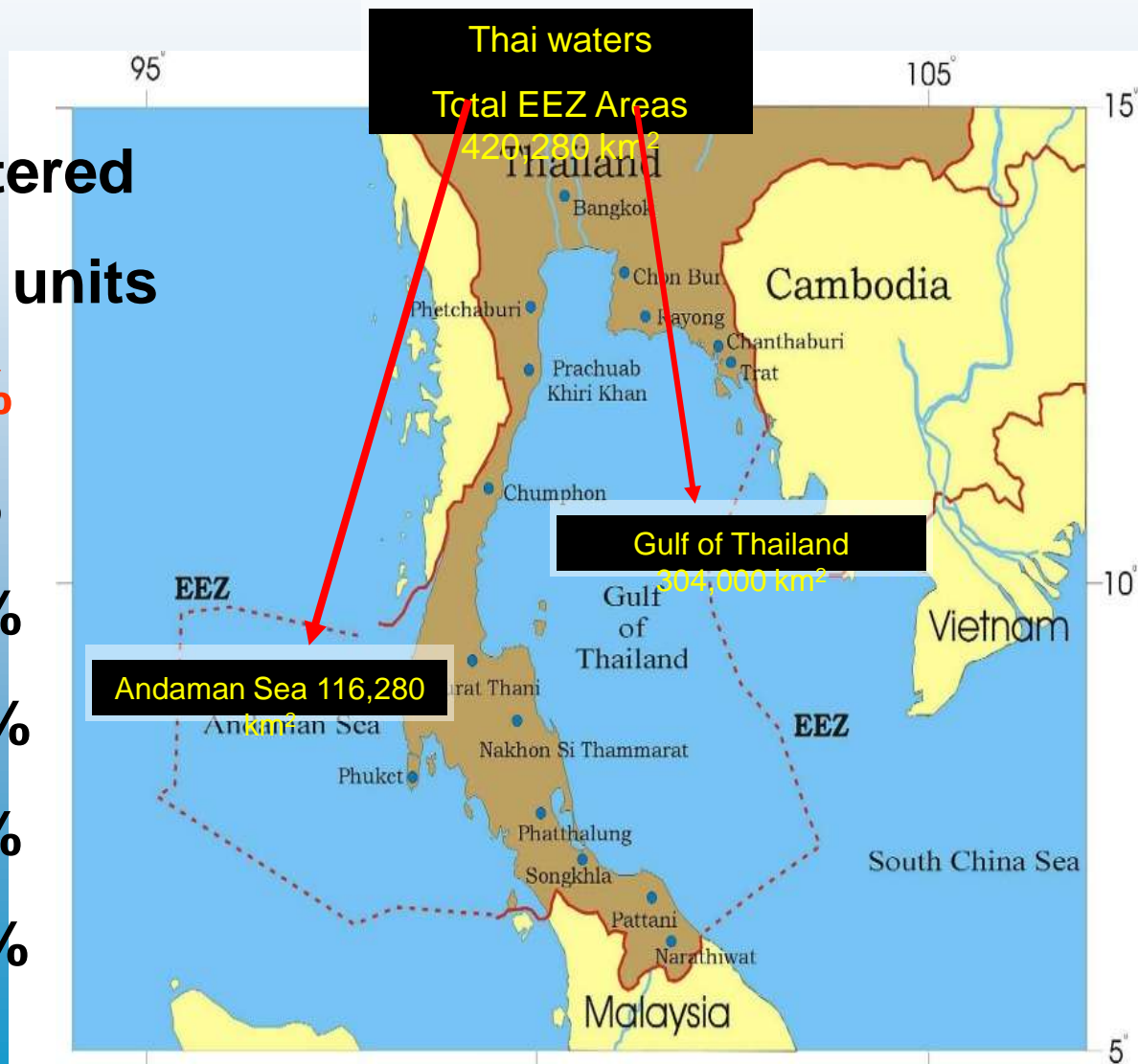


Marine Fishing Gears Registration

Fishing vessels registered
the year 2010= 15,381 units

- **Trawlers** 23.8 %
- **Falling nets** 26.2%
- **Gill nets** 35.3 %
- **Purse seiners** 10.6 %
- **Push net** 2.4 %
- **Others** 1.7 %

Source; DOF, 2012





Total Marine Catches of Thailand, 1952-2009

1952 = 148,200 tons

1968 = 1,004,258 tons

1977 = 2,067,533 tons

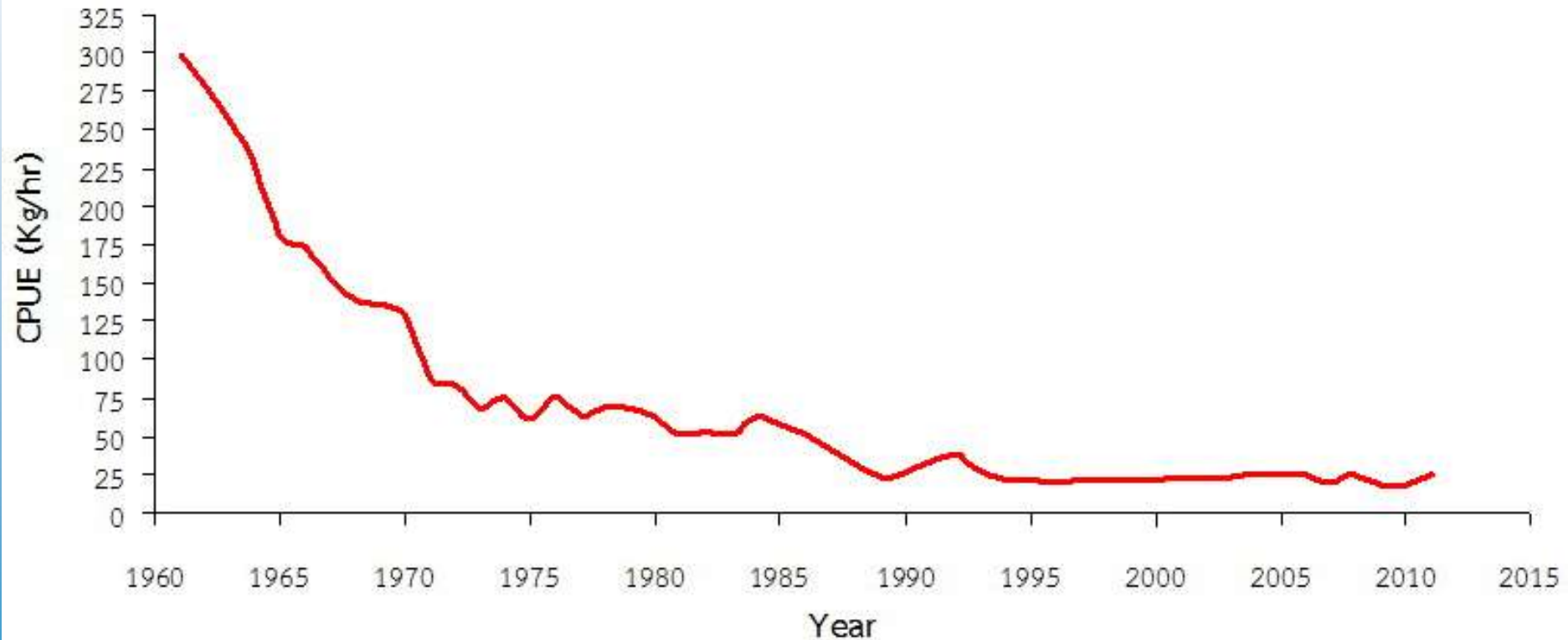
1985 = 2,057,751 tons

2010 = 1,601,320 tons

While the catches of marine fish was increasing but it many indicator shown that marine resource in the Gulf of Thailand declined such as CPUE, Species diversity/composition, etc.



Catch per unit effort (kg/hour) in the Gulf of Thailand surveyed by DOF research vessels during 1957-2011





Fisheries resource status and fishing sta

Demersal fishes

1972- Top ten world's fisheries capture production Catch of demersal fishes over MSY

- Demersal fish resources has been harvested over

MSY since 1972, e.g. threadfin breams, lizardfish, bigeye.

- Fishing effort should be reduced by 50%.

- Excess number of fishing boats

- If trawl net mesh size is enlarged to 4 cm, 28% of

catch escapes and number of trawls can be



Trawl Fisheries Management in Thailand

Direct Control

1. Notification of the Ministry of Agriculture and Co-operatives :-

-Jul.20, 1972: Determination of Areas in which Fishing Appliances i.e., trawls <3 km or 3 nm

-Aug.11, 1972: Prohibition of Trawls in Songkhla lake

-Jun.26, 1975: Prohibition of Fisheries in Sattahip Bay

-Aug.1, 1979: Prohibition of Trawls in Phang-nga Bay

-etc

2. Notification of the Provincial :-



Trawl Fisheries Management in Thailand

Indirect Control

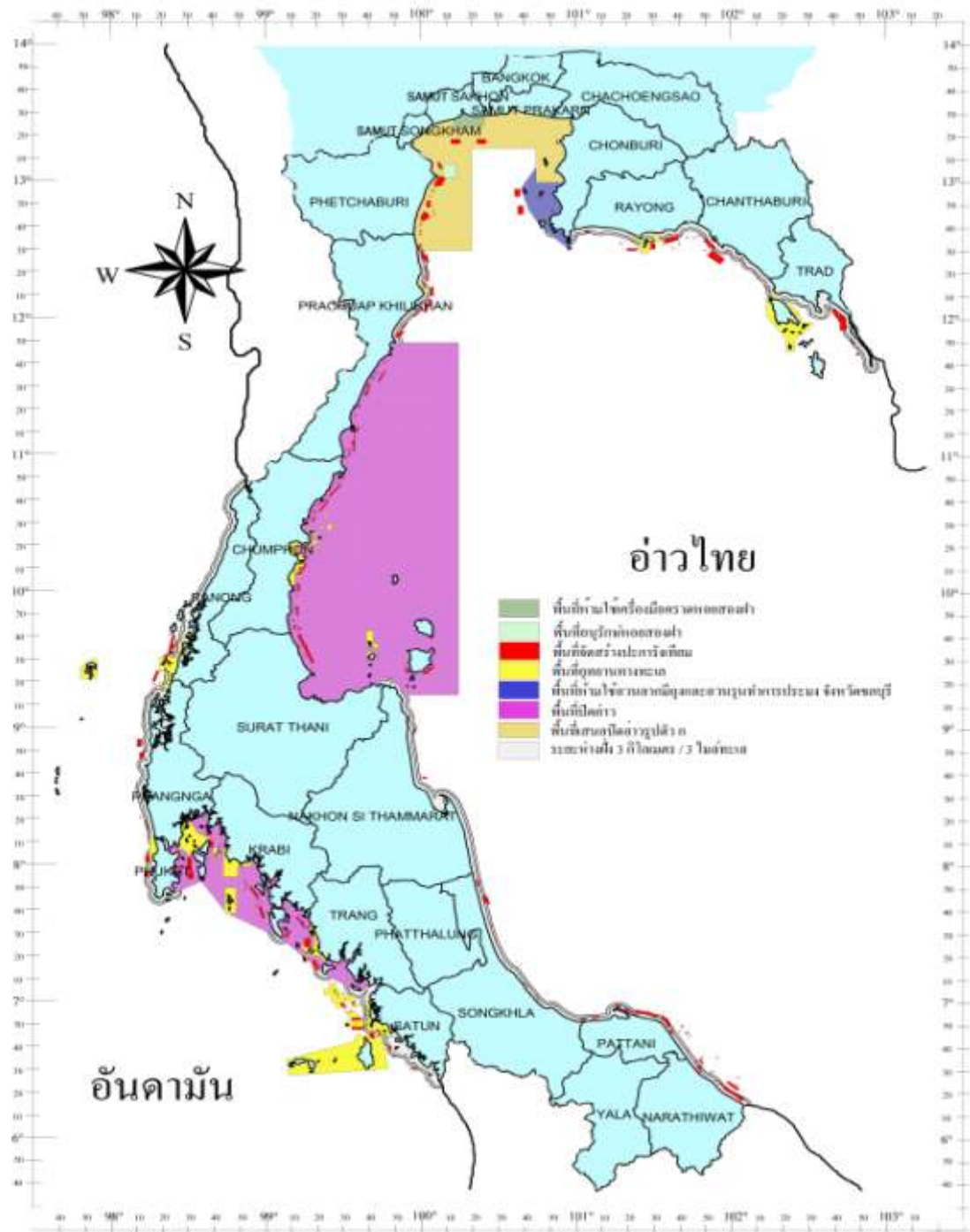
- 1. Notification of the Ministry of Agriculture and Co-operatives :-**
 - Closed Areas: Prachuab Khiri Khan, Phang-nga Bay,**
Inner Gulf of Thailand
 - etc.**
- 2. Notification of the Provincial :-**
 - etc.**



รูปแบบ	จำนวน (แห่ง)	ขนาดพื้นที่		ประเภทตาม IUCN
		ตร.กม.	ไร่	
1. <u>ที่รักษาพืชพันธุ์สัตว์น้ำ</u>	56	166.57	104,107.32	<u>Ia</u>
2. <u>เขตน้ามล้าสัตว์ป่า</u>	1	447.49	279,687.00	<u>IV</u>
3. <u>อุทยานแห่งชาติทางทะเล</u>	21	5,685.23	3,553,267.00	<u>II</u>
4. <u>พื้นที่ป่าชายเลน (จังหวัด)</u>	23	2,527.51	1,579,696.00	<u>IV</u>
5. <u>พื้นที่แนวปะการัง</u>	420	160.50	101,983.65	<u>IV</u>
6. <u>พื้นที่แหล่งหญ้าทะเล</u>	5	33.66	21,036.50	<u>IV</u>
7. <u>พื้นที่กำหนดมาตรการในการทำการประมง</u>	9	52,240.90	32,650,564.54	<u>IV</u>
8. <u>พื้นที่คุ้มครองโบราณคดีใต้ทะเล</u>	1	27.00	16,875.00	<u>V</u>
9. <u>พื้นที่คุ้มครองสิ่งแวดล้อม</u>	6	12,190.71	7,619,256.11	<u>VI</u>
รวมพื้นที่คุ้มครองทางทะเลตามระบบ IUCN		73,479,575	45,926,473.12	
10. <u>พื้นที่ชุ่มน้ำที่มีความสำคัญระหว่างประเทศ</u>	9	4,226.60	2,641,627.50	-
11. <u>พื้นที่สงวนชีวมณฑล</u>	1	246.075	153,796.88	-
12. <u>พื้นที่มรดกอาเซียน</u>	3	1,804.97	1,128,107.00	-
รวมพื้นที่คุ้มครองทางทะเล		79,757.22	49,850,004.50	
รวมพื้นที่ทะเลในน่านน้ำไทย		316,118.24	197,573,896.88	
ร้อยละพื้นที่คุ้มครองทางทะเลตามระบบ IUCN		23.24	23.24	
รวมร้อยละพื้นที่คุ้มครองทางทะเล		25.23	25.23	



Trawler Fishing Protected Areas of Thailand



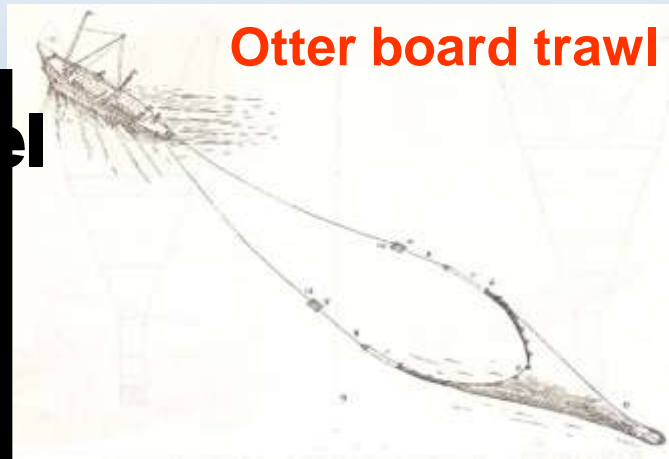


Gears prohibited:-

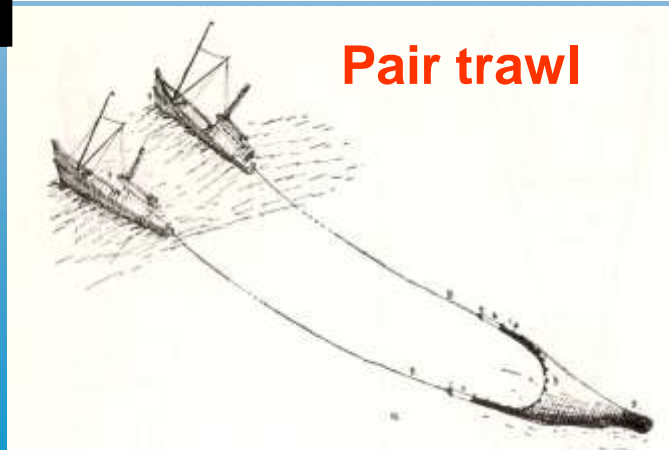
- All type of trawler
- Thai purse seine
- Mackerel encircling gill net



Research vessel

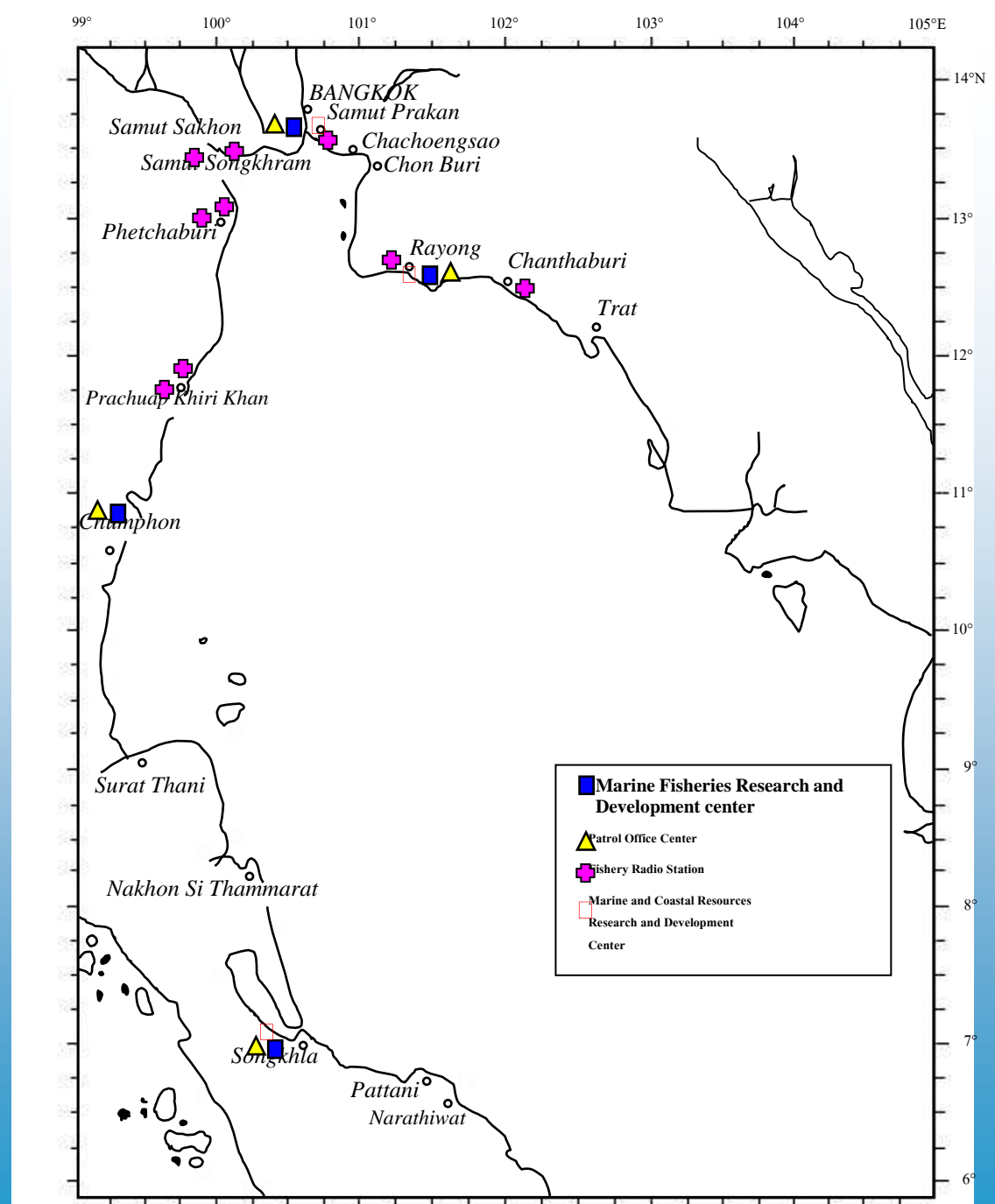


MCS system





Marine Fisheries Research Centres and Monitoring, Control, and Enforcement Sites along the Coast of the Gulf of Thailand





Thank you

