NERITIC TUNA FISHERIES IN THE SOUTH CHINA SEA

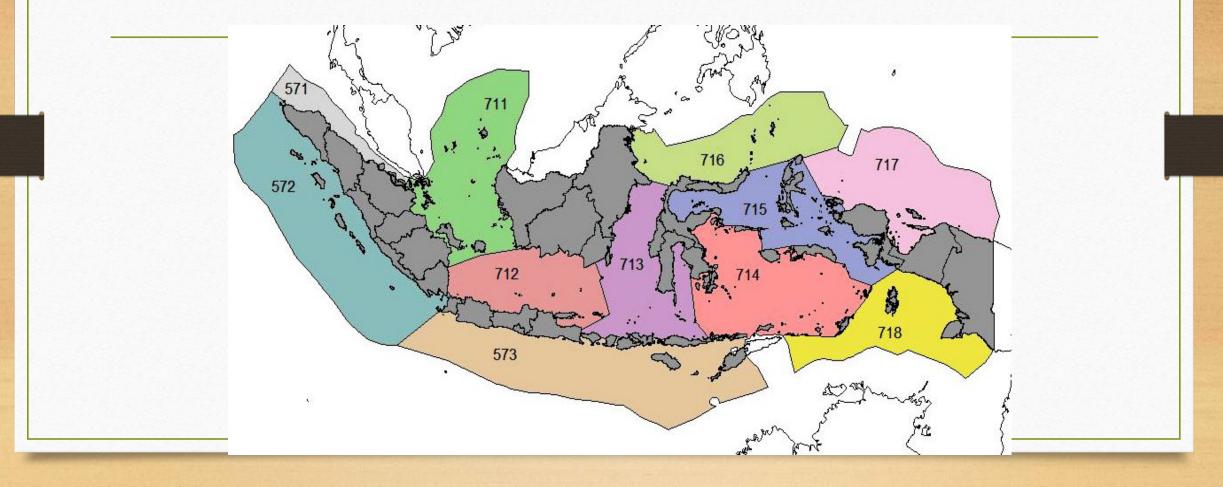
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The 3rd Meeting of the SWG-Neritic Tuna on Stock Assessment Chonburi Province, Thailand on 27-29 June 2016

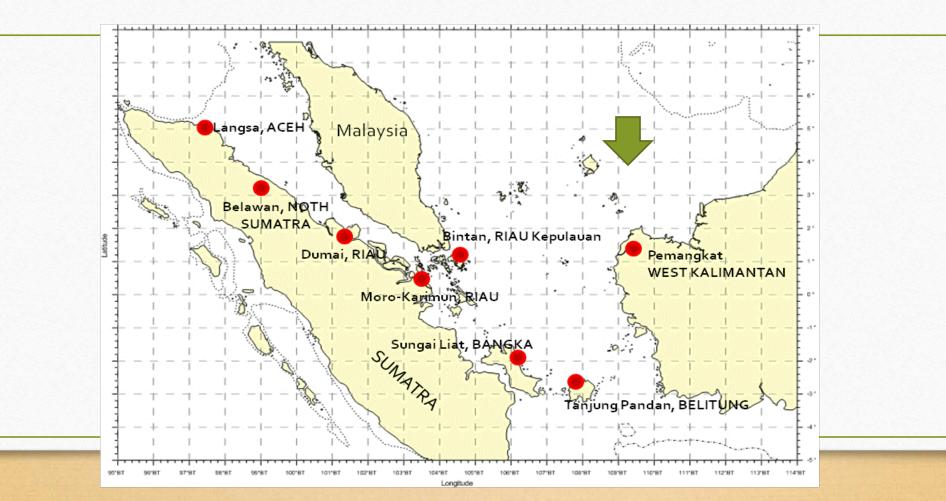
INTRODUCTION

 Indonesian water divided into 11 Indonesian Fisheries Management Area (IFMA) (Mininsterial Regulation No. 01/MEN/2009).



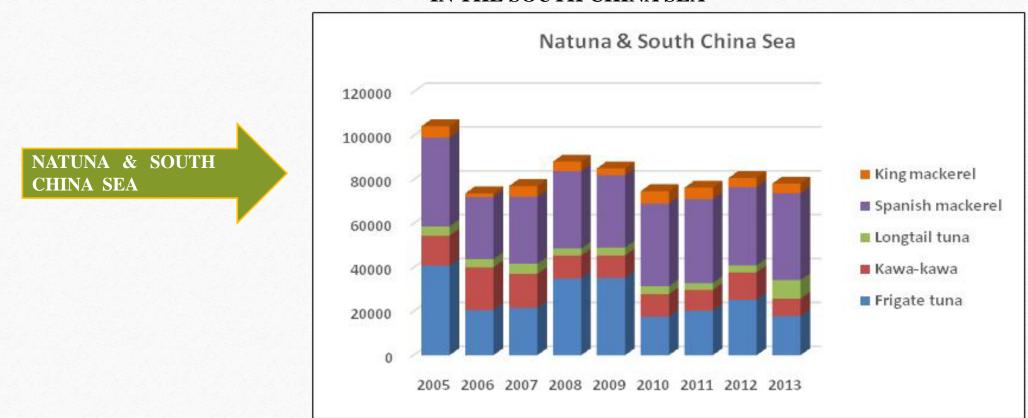
Neritic Tunas Landing Sites in FMA 711: Natuna & South China

In the South China Sea, Natuna Sea and adjacent water (IFMA711) neritic tuna caught by gill net, purse seine, hand line and troll line. One of the biggest landing site for fishing vessel operated in IFMA 711 is Pemangkat Fishing Port in west Kalimantan. In Pemangkat neritic tuna mostly caught by gill net



CATCHES OF NERITICS TUNA

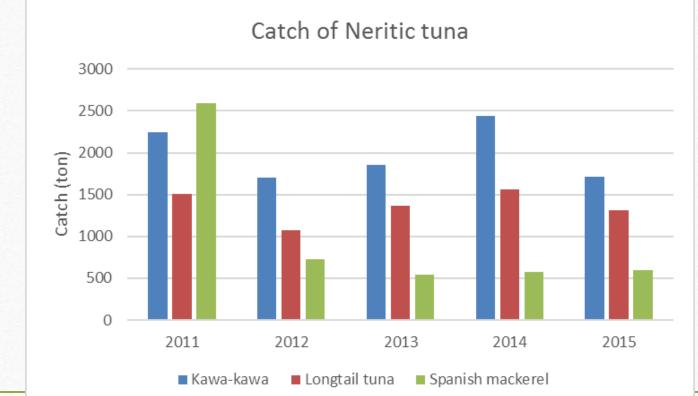
IN THE SOUTH CHINA SEA



- Annual catch of neritic tuna in the South China Sea shows fluctuation trend, from 2006 with 73,763 ton to 78,204 ton in 2013.
- Neritic tuna in the South China Sea contribute 14 % of national catch neritic tuna

ANNUAL CATCHES OF NERITICS TUNA IN PEMANGKAT

- The several type of neritic tuna caught in Pemangkat: kawakawa, longtail tuna, and Spanish mackerel.
- The trend of catches kawakawa and longtail tuna not too much fluctuation. Trend of Spanish mackerel catches decreasing from 2011 to 2012 but this data 2011 need more investigation because the catch too high comparing with last 4 years.
- From the graph shows that catches of neritic tuna kawakawa is the largest followed by longtail tuna and the least is the catch Spanish mackerel.



IN ERAM NOMENNA DELSE ERA ESTINO PENANCIKAN

□The Catch of three main species of kawakawa, longtail tuna and spanish mackerel, produced 84% by drift gill net vessels, the remaining 26% was contributed by purse seine vessels.

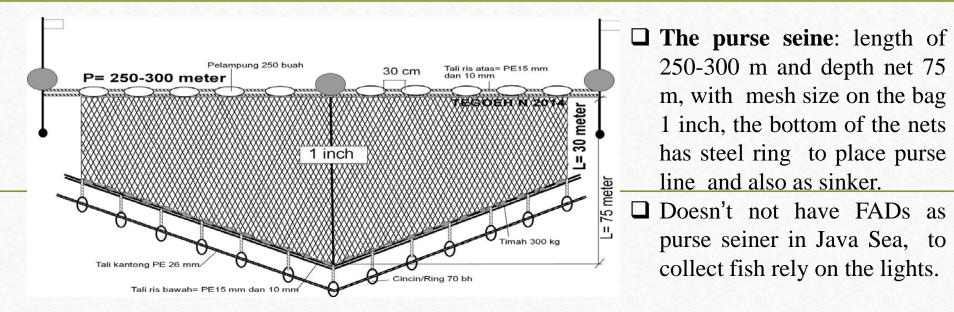
Fishing Gears

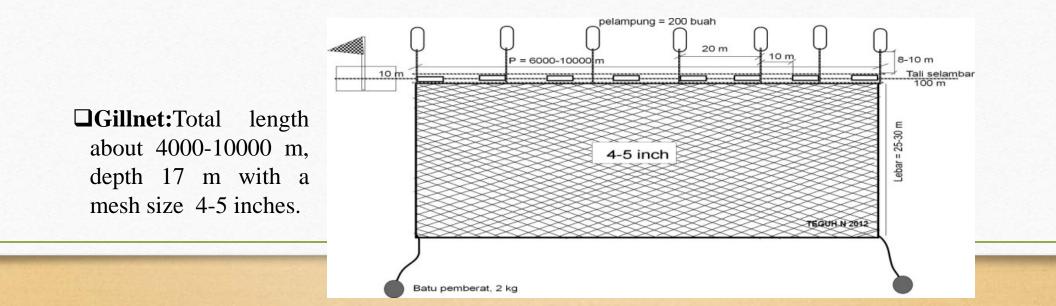
□ The neritic tuna in the South China Sea caught by: drift gillnet and purse seine □ Drift gill net vessels sized 16-44 GT. The purse seine vessels sized 28-117 GT.

FISHING GEAR	GT	DIMENSION (Meter)		
		L	W	D
Drift Gill net	16 - 44	13.5 - 21.75	3.11 - 5.59	1.05 - 2.4
Purse seine	28 - 117	15.32 - 24.53	4.53 - 8.28	1.2 - 2.52

Table 1. Dimensions Gill net and Purse Seine vessel in Pemangkat

Purse Seine and Gill net





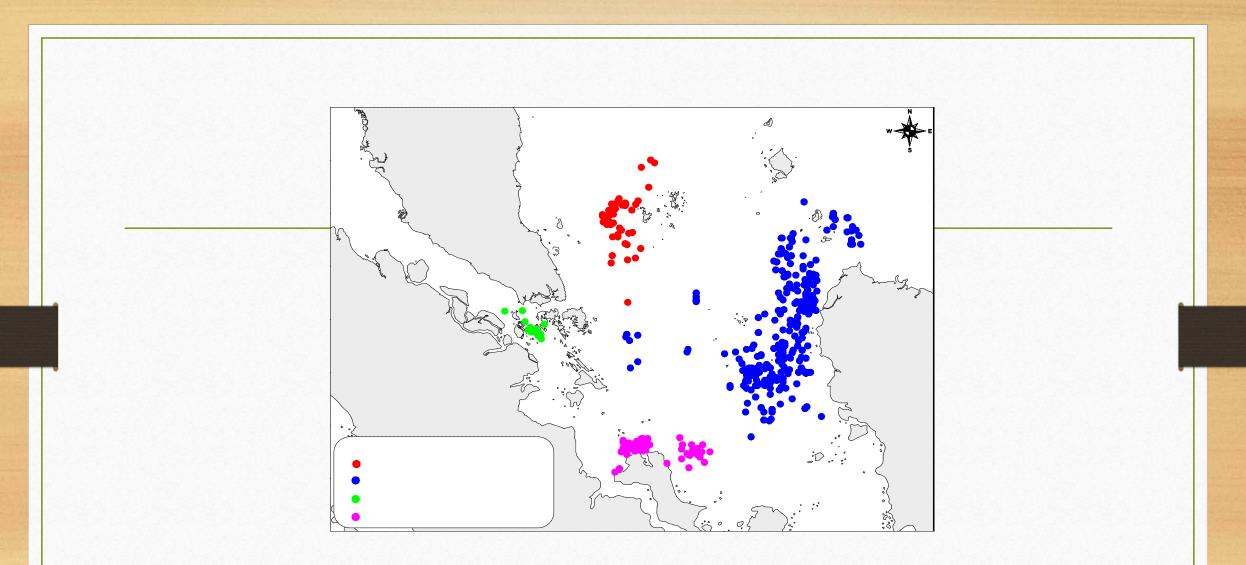
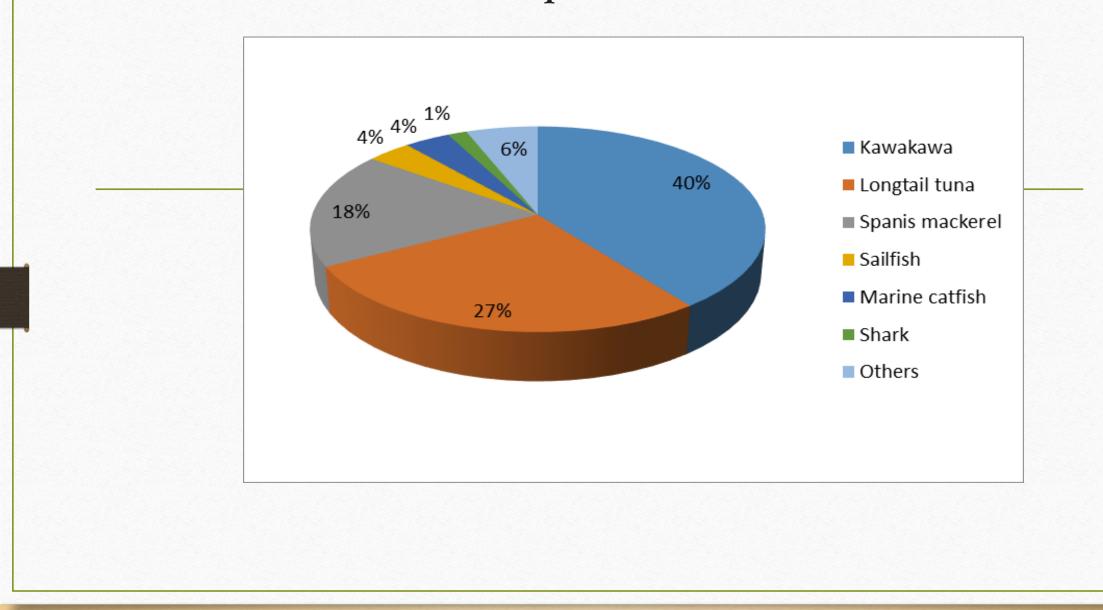
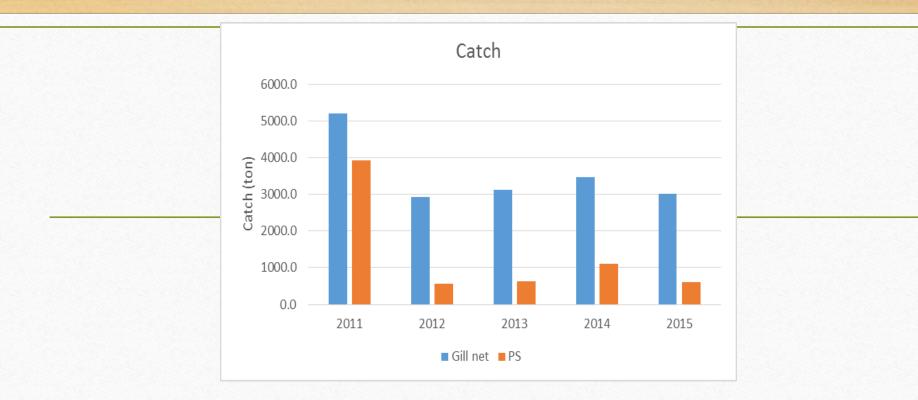


Figure . Fishing Ground of gill netter and hand line in South China/Natuna Sea

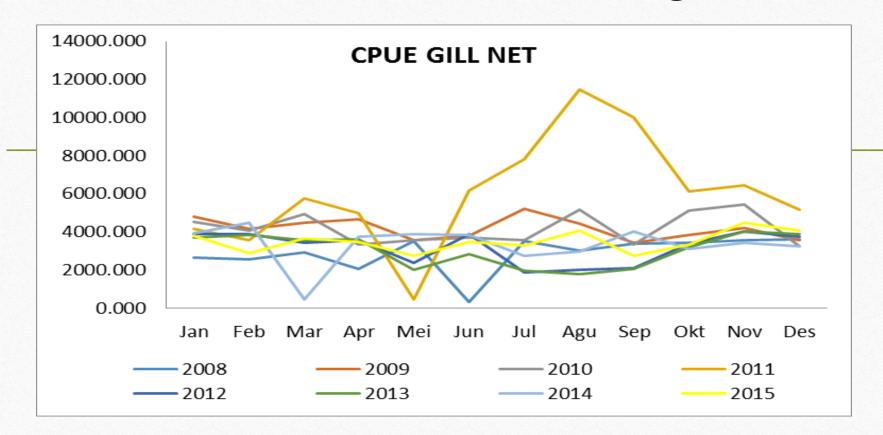
Catch Composition Gill Net





- In the Pemangkat Fishing Port neritic tuna with fishing ground in South China Sea and adjacent water caught by purse seine and drift gill net.
- The Catch of three main species of kawakawa, longtail tuna and spanish mackerel, produced 84% by drift gill net vessels, the remaining 26% was contributed by purse seine vessels.

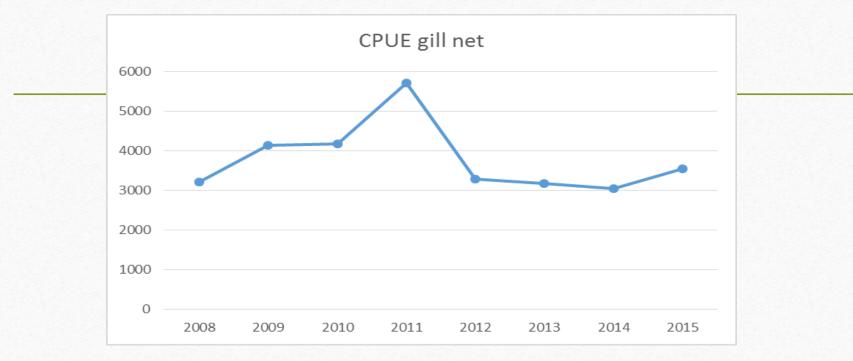
CPUE of **Gill Net Pemangkat**



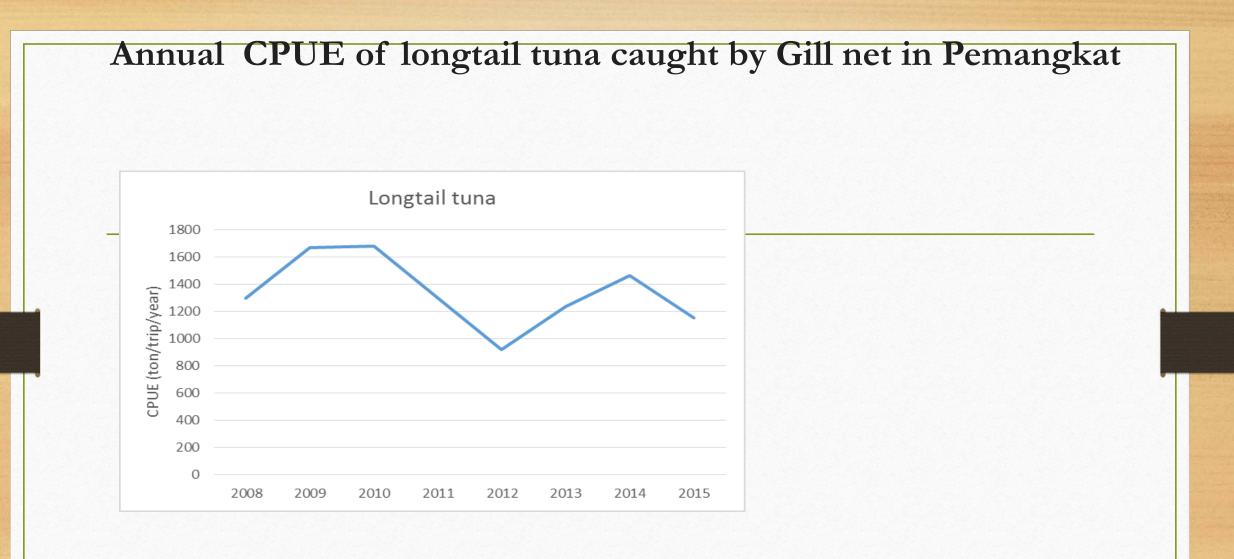
The monthly catch rate of gill neter in the Pemangkat fishing port is fluctuative each year, from the 5 years series data the average catch rate is 4000 kg/trip with average 10 days each trip. From this catch rate we can see the peak season of fishing wich is occure in August and

September (during southeast monsoon) and poor season in May

Annual CPUE of Gill net in Pemangkat



Annual CPUE of Neritic tuna caught by gill net in pemangkat is fluctuation. From 2010 to 2011 shows increasing, but in 2012 decreasing, 2012-2014 slight decreasing but 2015 increasing.



Annual CPUE of kawa-kawa caught by Gill net in Pemangkat

