

End-of-Project Meeting of the Working Party  
on Information Collection for Economically Important Species  
as Surimi Materials in Southeast Asian Region

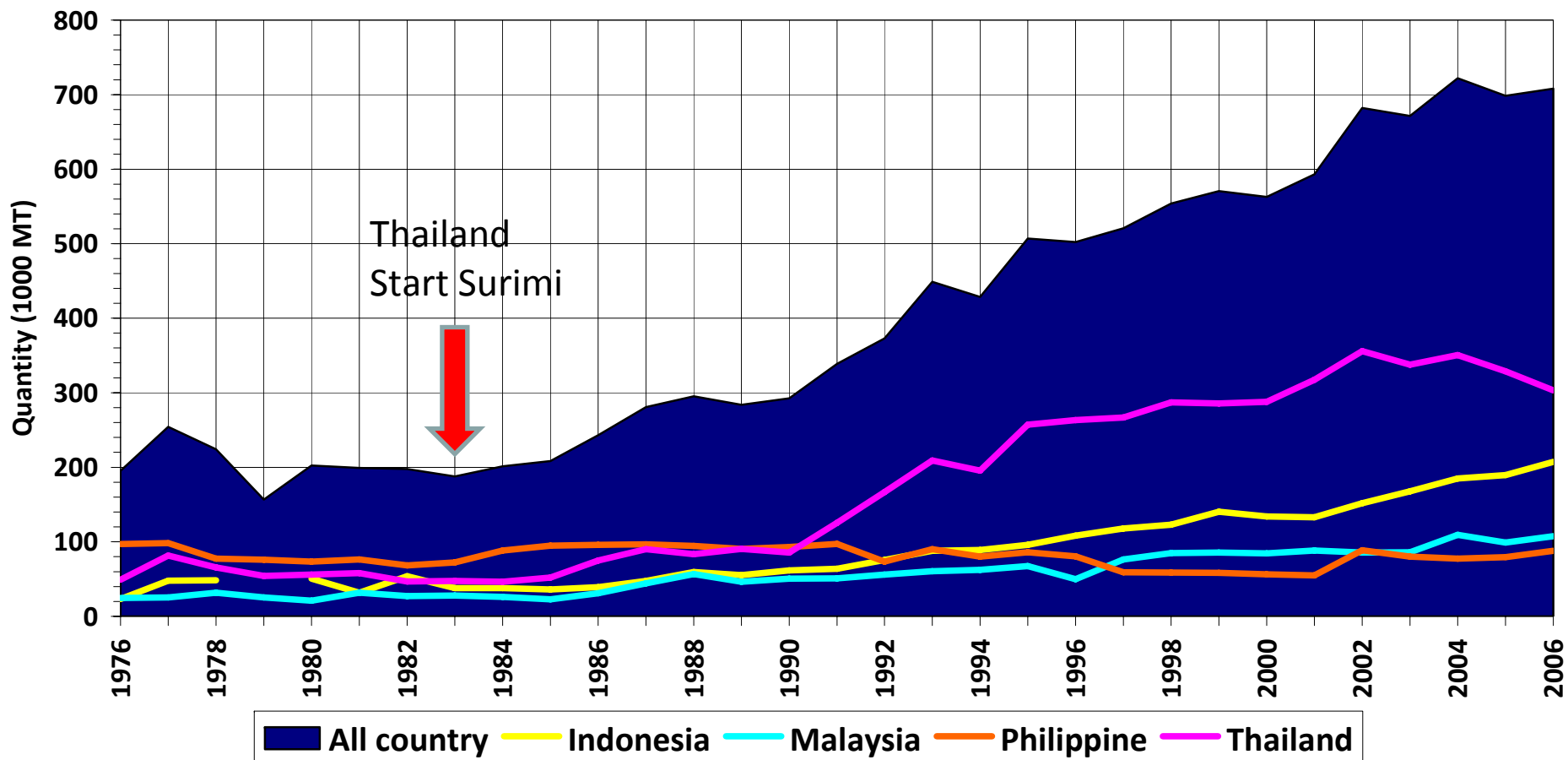


# Trend of surimi raw materials species in the Southeast Asia

Penchan Laongmanee

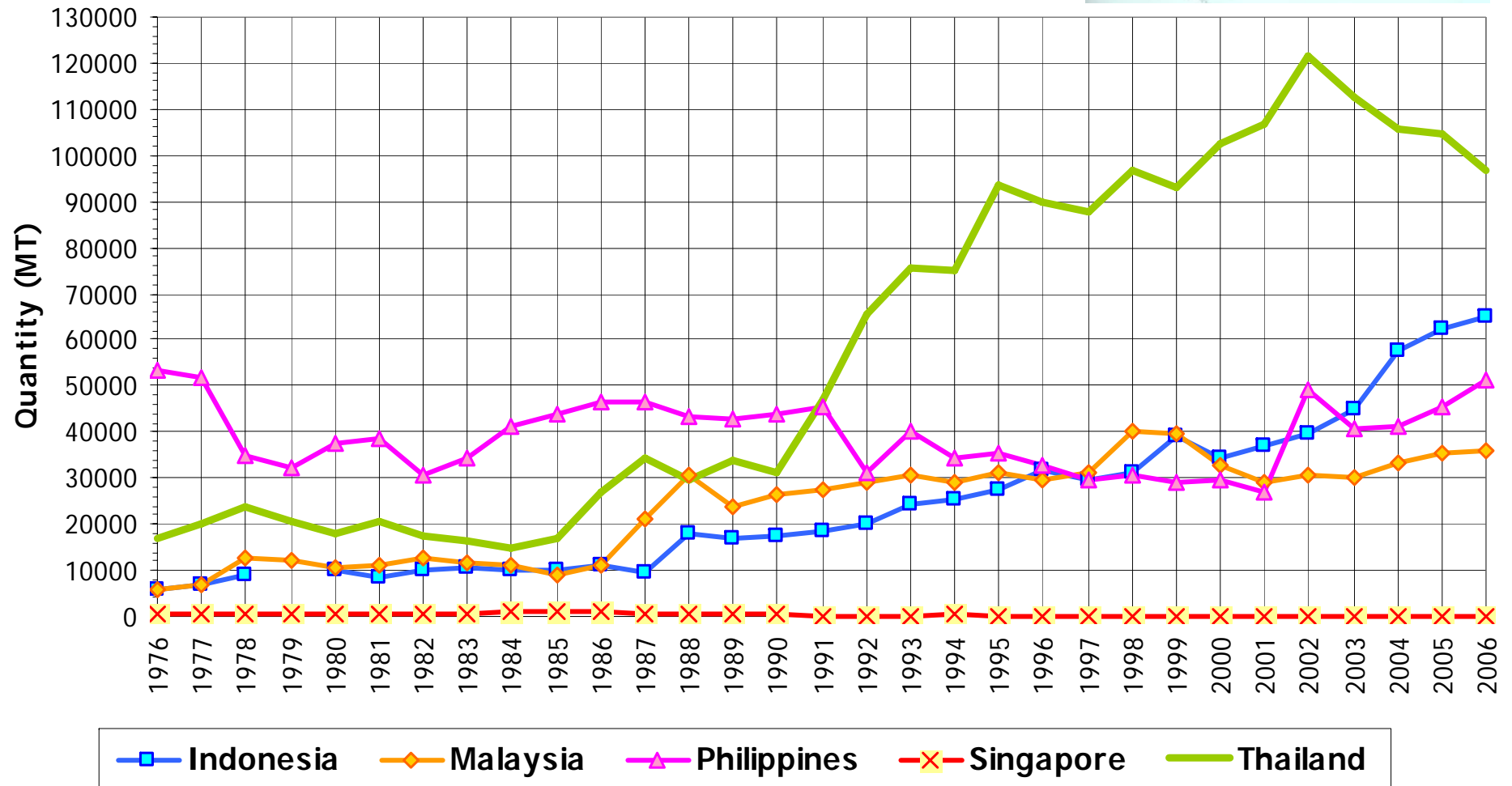
SEAFDEC/TD





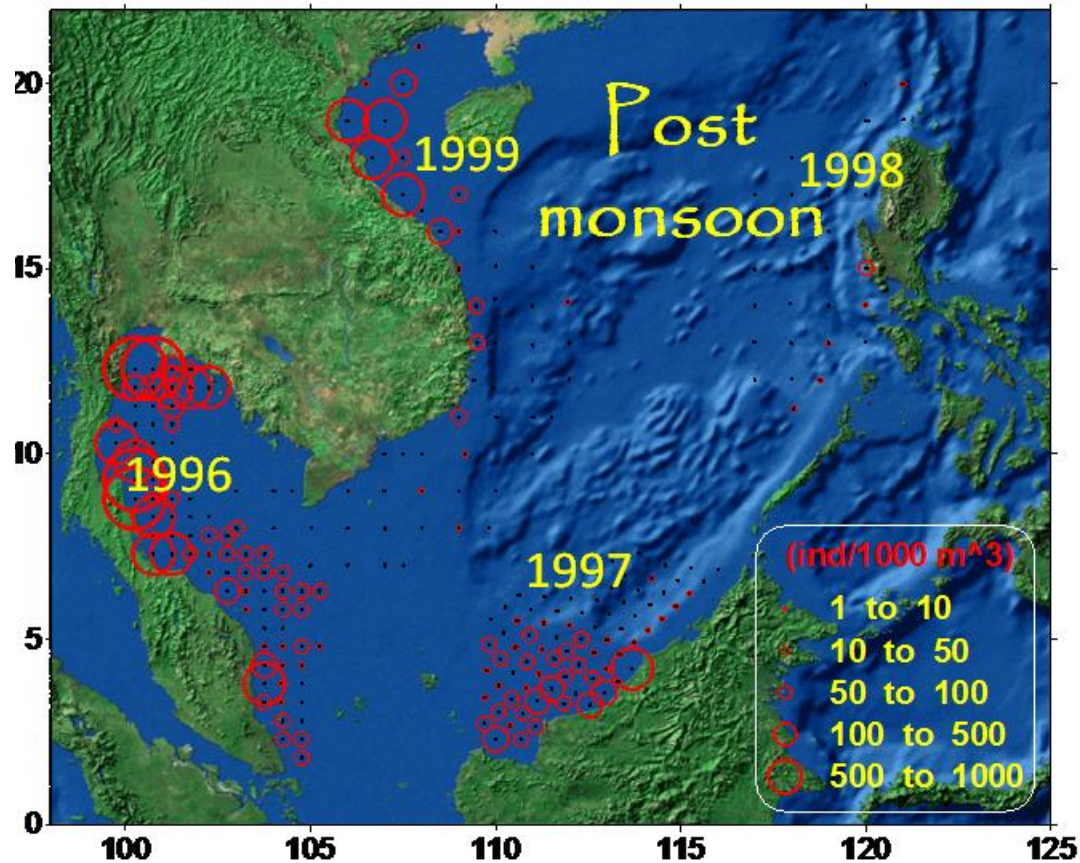
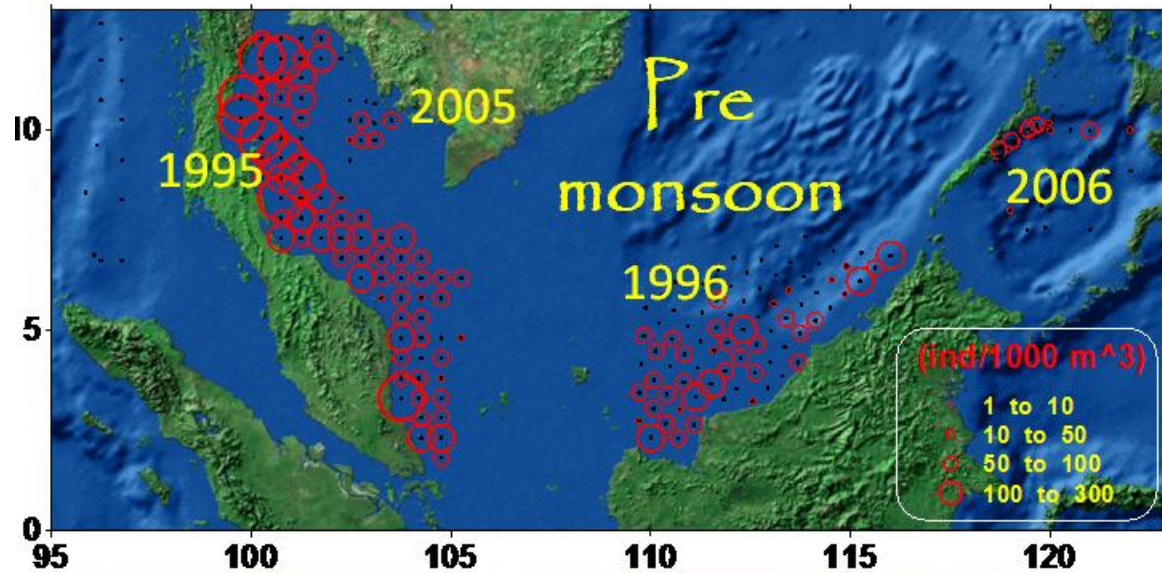
**Fisheries Trend of Important Species as Surimi Raw Materials  
in the Southeast Asian Region (From SEAFDEC Fishery statistic Bulletin)**

Nemipteridae, Synodontidae, Priacanthidae, Sciaenidae and Mullidae



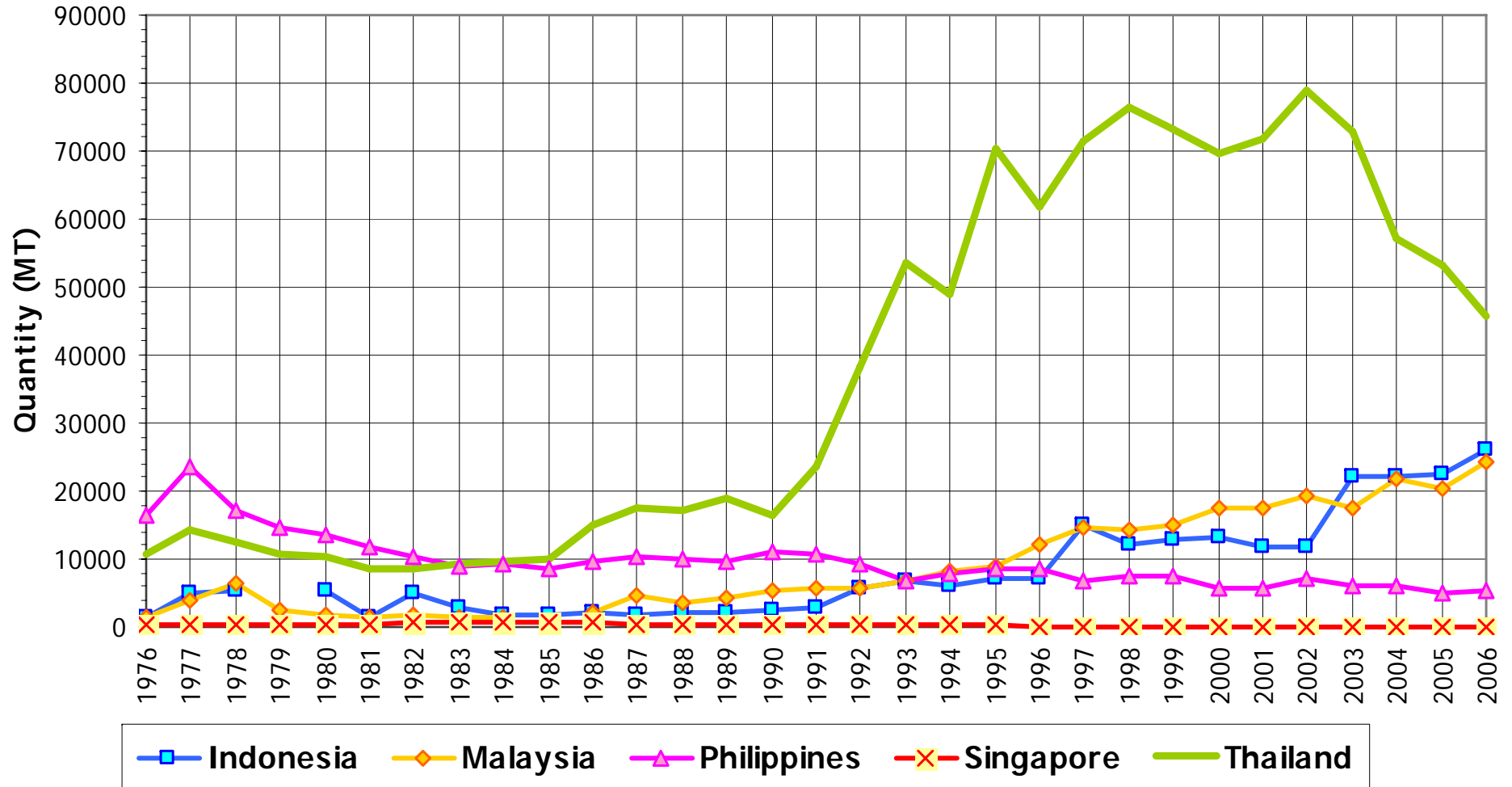
**Trend of Nemipteridae Landed in the Southeast Asian Countries**

## Nemipteridae (Tread-fin bream)

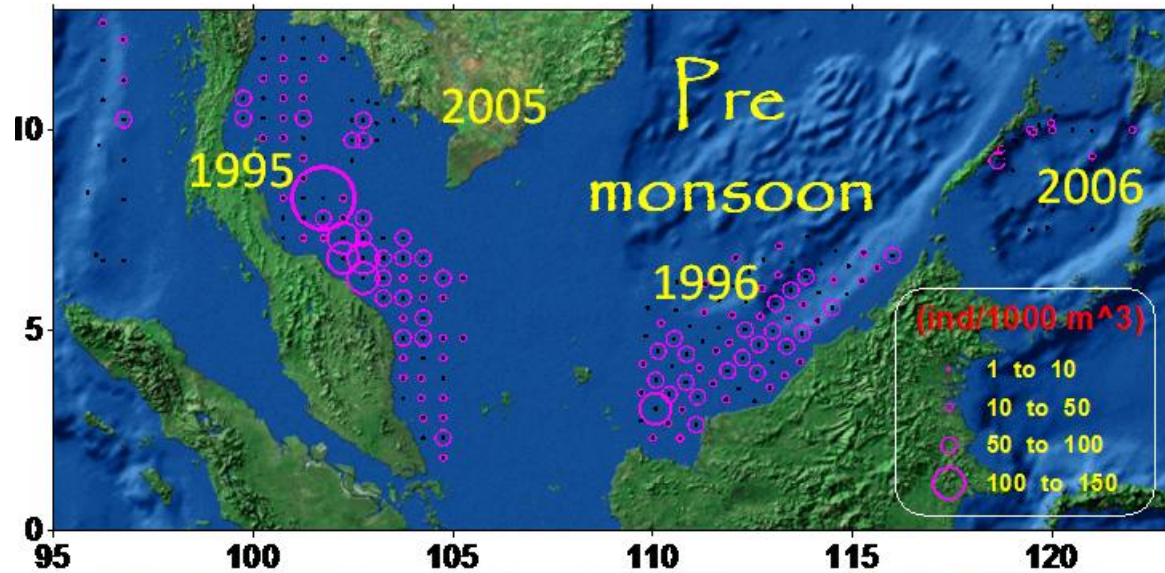


**Sea areas of abundant stock**  
(main spawning grounds)

- Gulf of Thailand
- Tonkin Bay
- East coast of P.Malaysia
- Off Sarawak
- North of Sulu sea



**Trend of Synodontidae Landed in the Southeast Asian Countries**

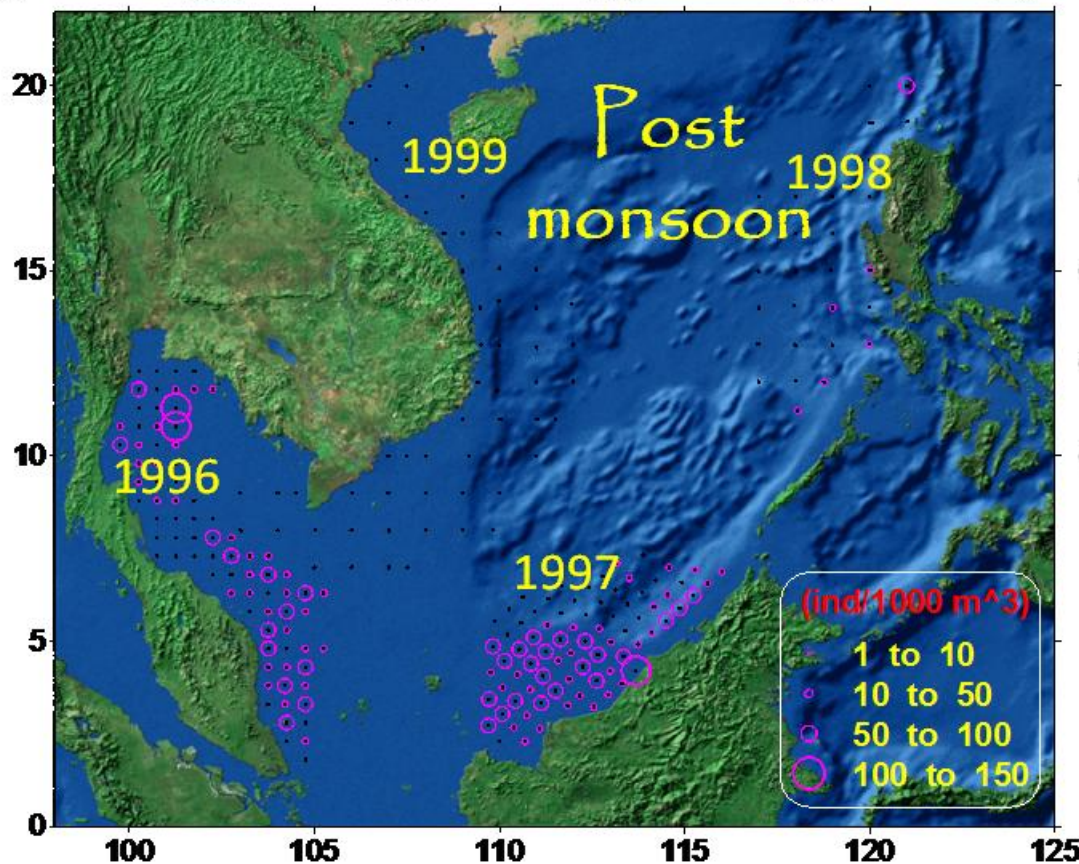


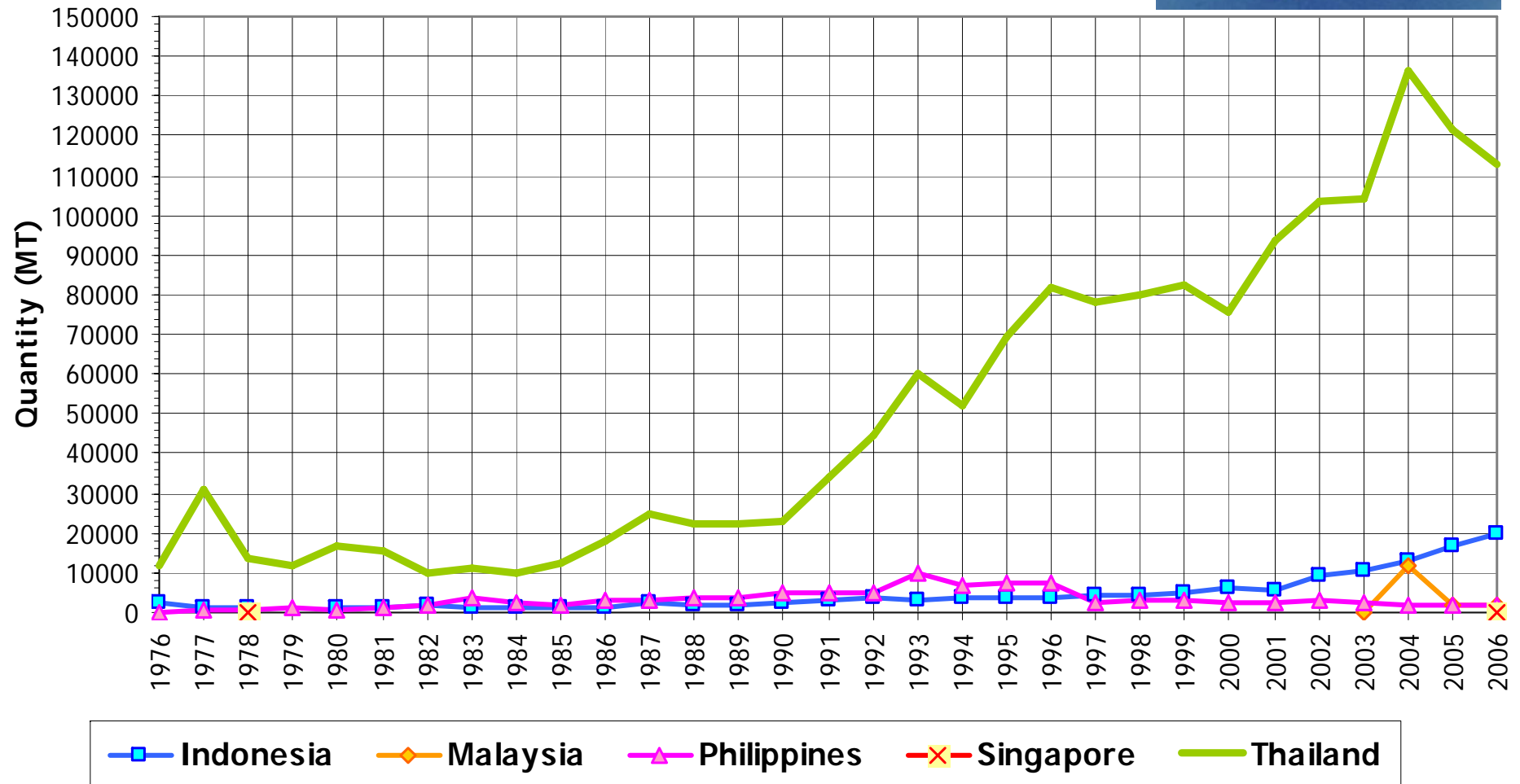
## Synodontidae (Lizard fish)

### Sea areas of abundant stock

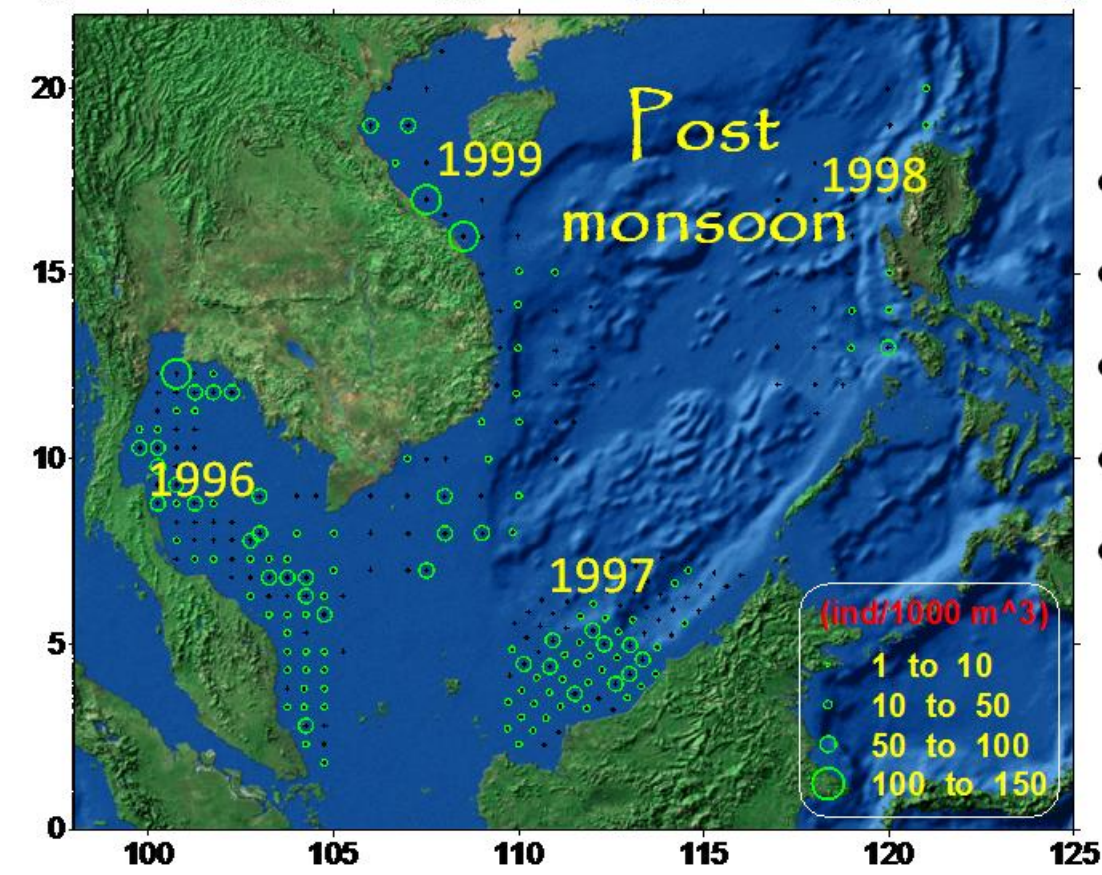
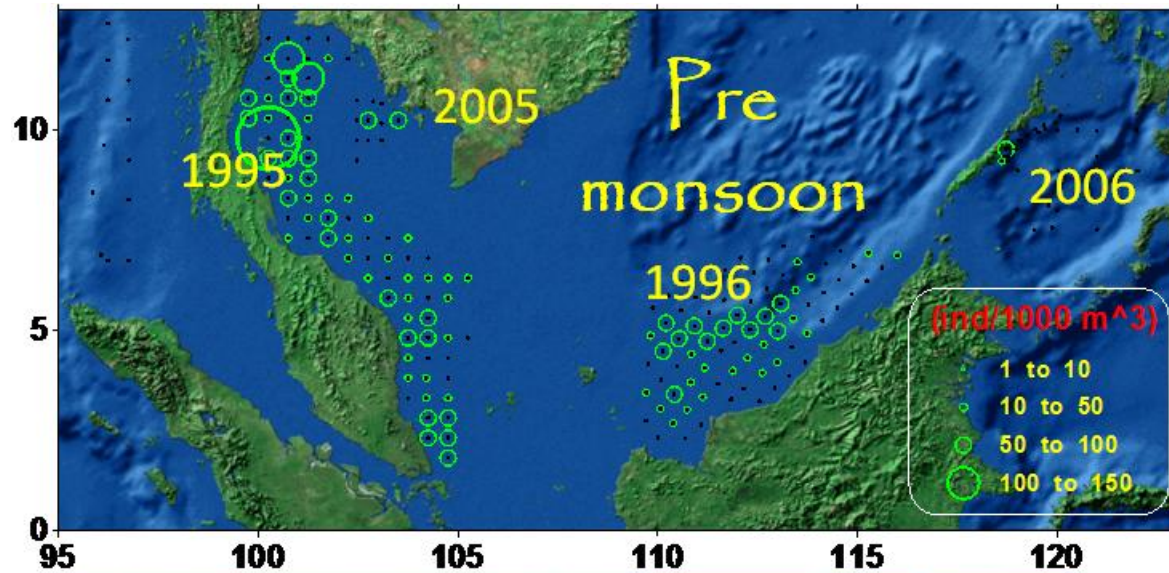
(main spawning grounds)

- Gulf of Thailand
- Off Sarawak
- North of Sulu sea
- Andaman sea





**Trend of Priacanthidae Landed in the Southeast Asian Countries**



## Priacanthidae (Big-eye snapper)

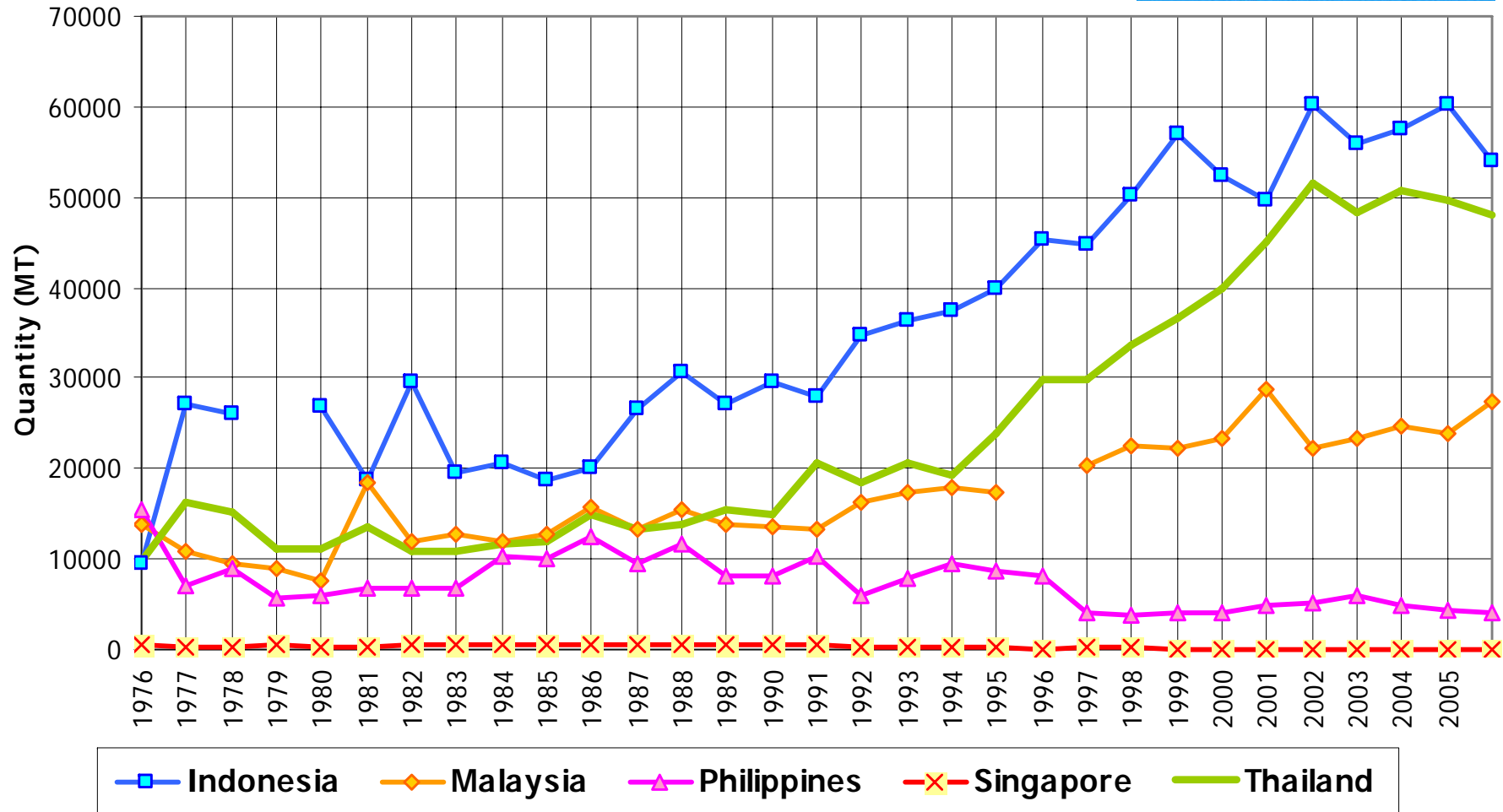
### Sea areas of abundant stock

(main spawning grounds)

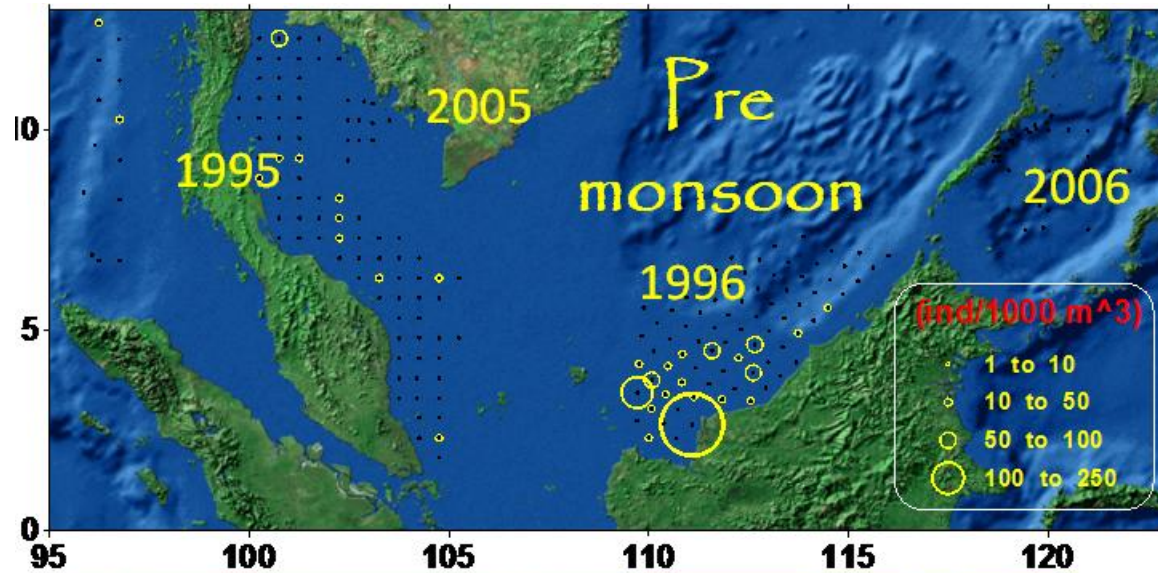
- Gulf of Thailand
- Northern Vietnam
- Southern Vietnam
- East coast of P. Malaysia
- Off Sarawak

\*\*\* Main spawning grounds are offshore





**Trend of Sciaenidae Landed in the Southeast Asian Countries**

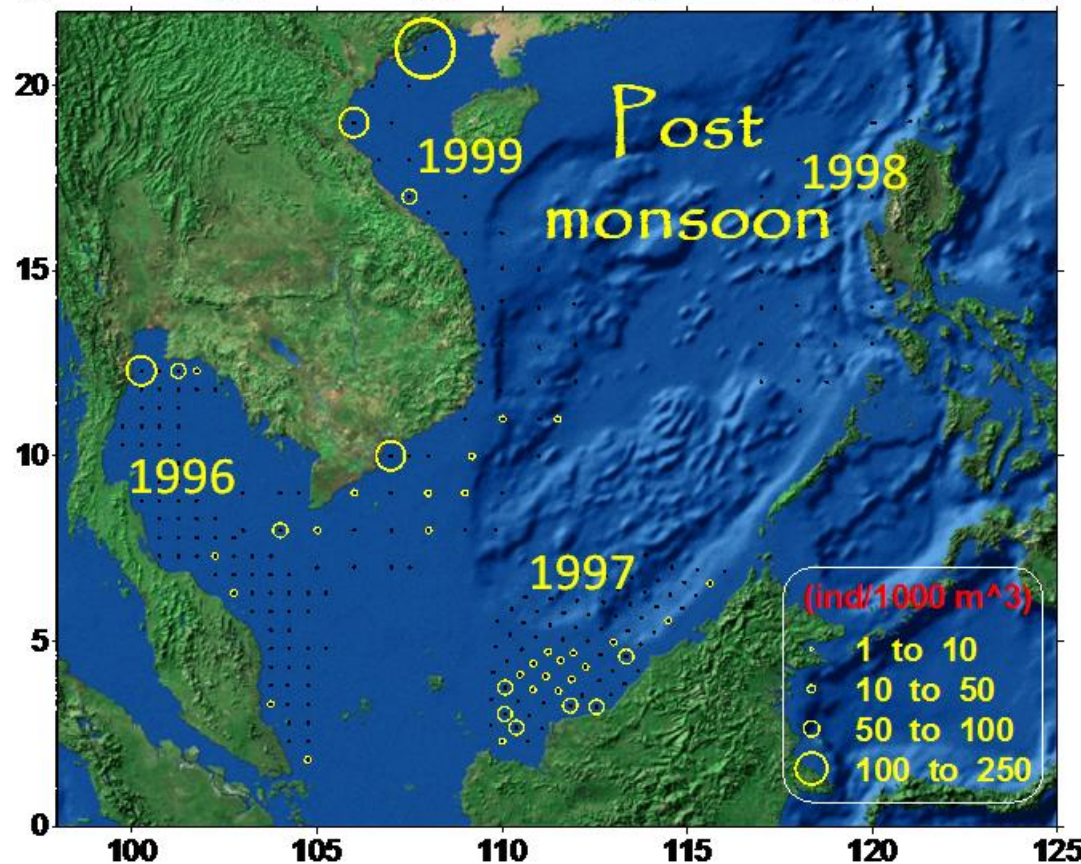


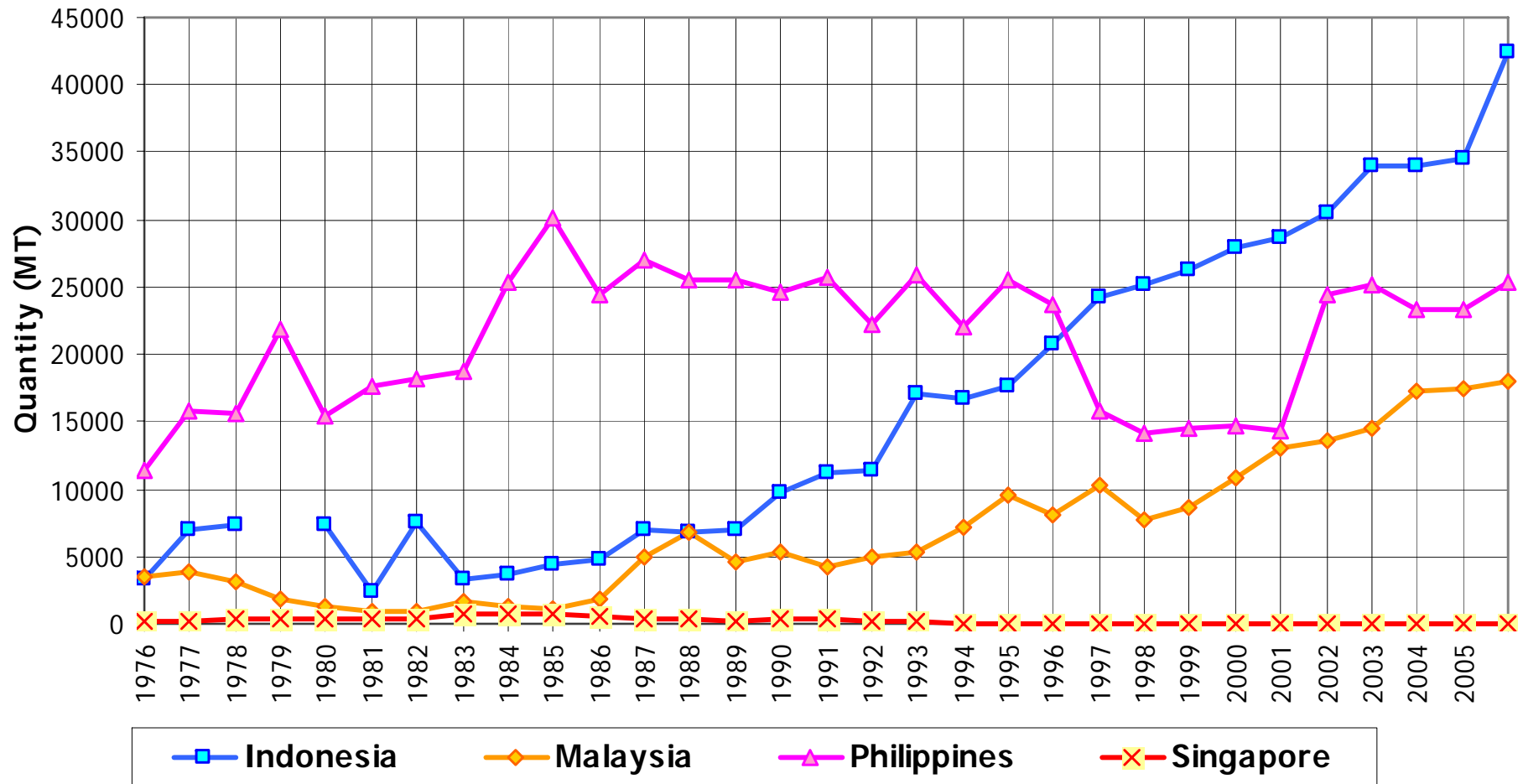
## Sciaenidae (Croaker)

### Sea areas of abundant stock

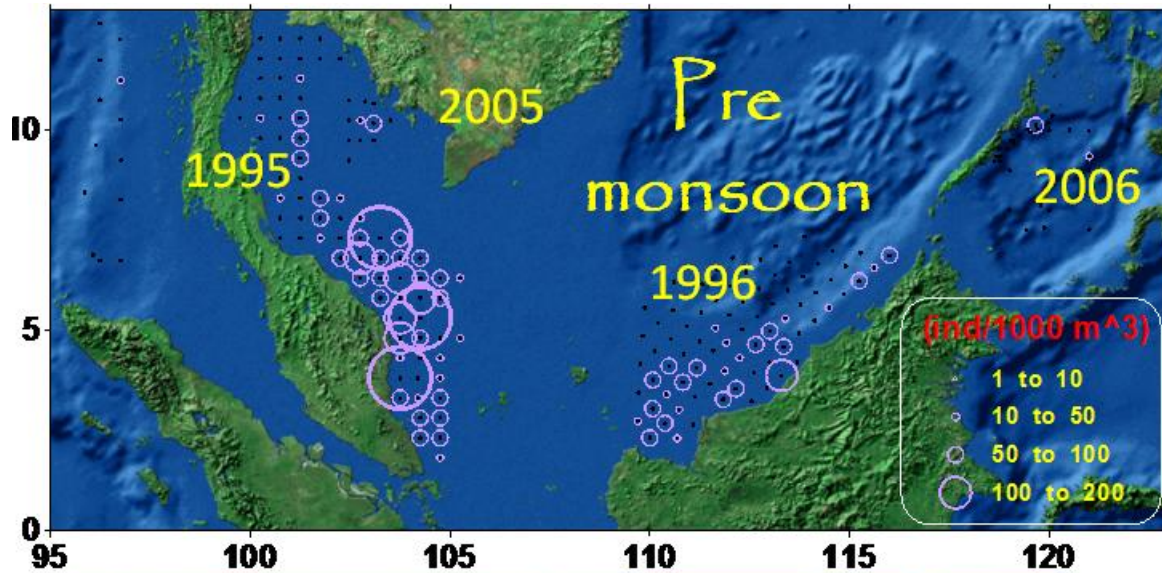
(main spawning grounds)

- Tonkin Bay
  - Off Sarawak
  - Southern Vietnam
  - Inner Gulf of Thailand
- \*\*\*Main spawning grounds are located in the estuaries of rivers





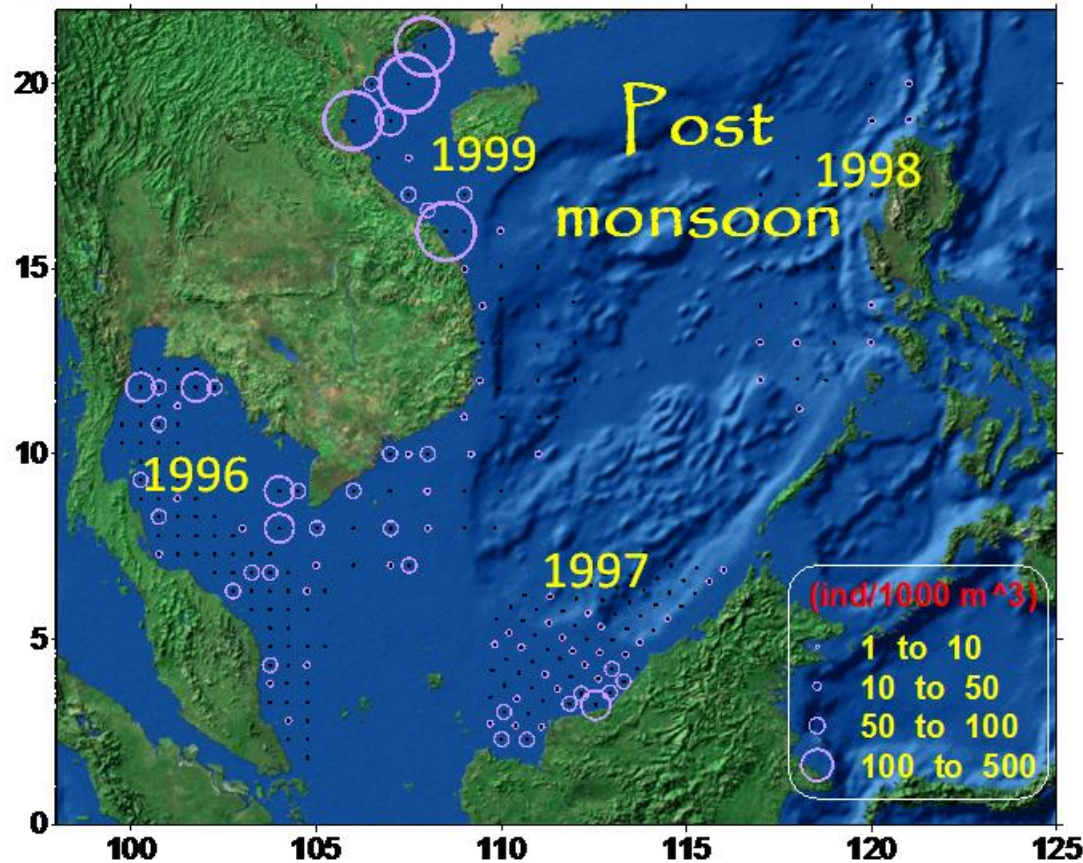
**Trend of Mullidae Landed in the Southeast Asian Countries**



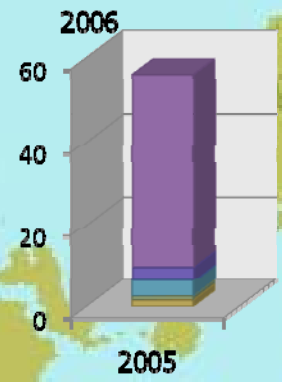
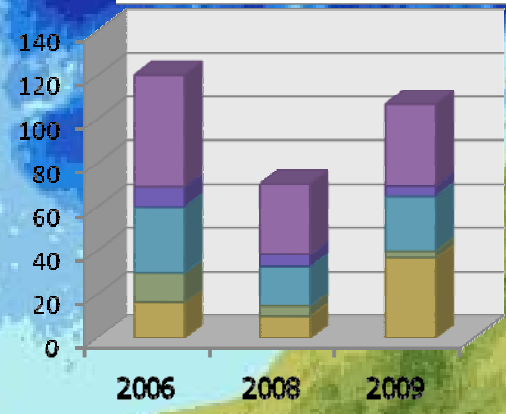
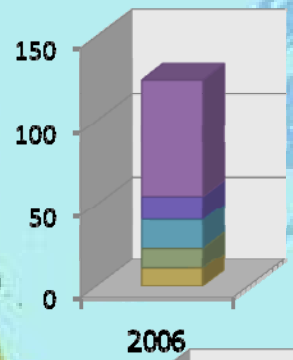
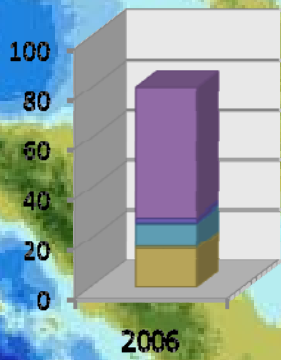
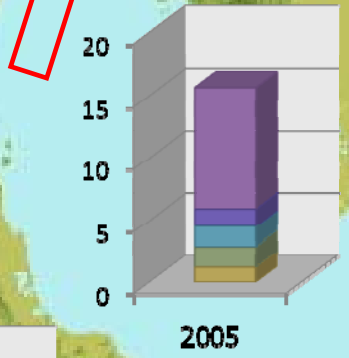
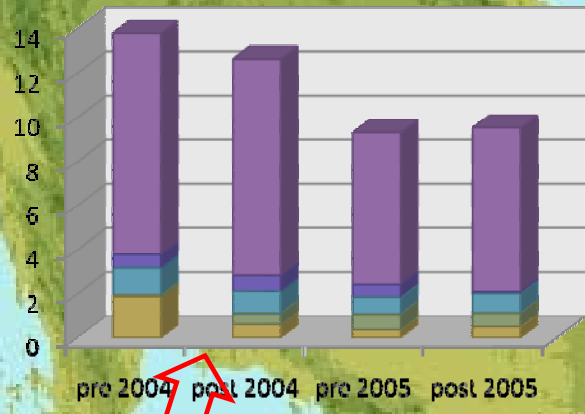
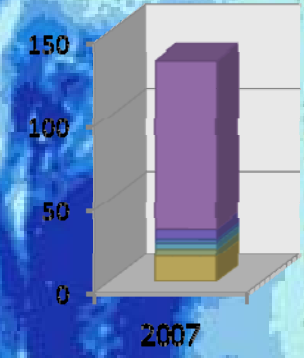
## Mullidae (Goat fish)

**Sea areas of  
abundant stock**  
(main spawning grounds)

- Tonkin Bay
- East coast of Peninsular Malaysia
- Off Sarawak



- Others
- Mullidae
- Sciaenidae
- Nemipteridae
- Priacanthidae
- Synodontidae



**CPUE → kg/hour**

# Potential of further resources utilization of surimi raw material

## 1. Tonkin Bay: **Sciaenidae**

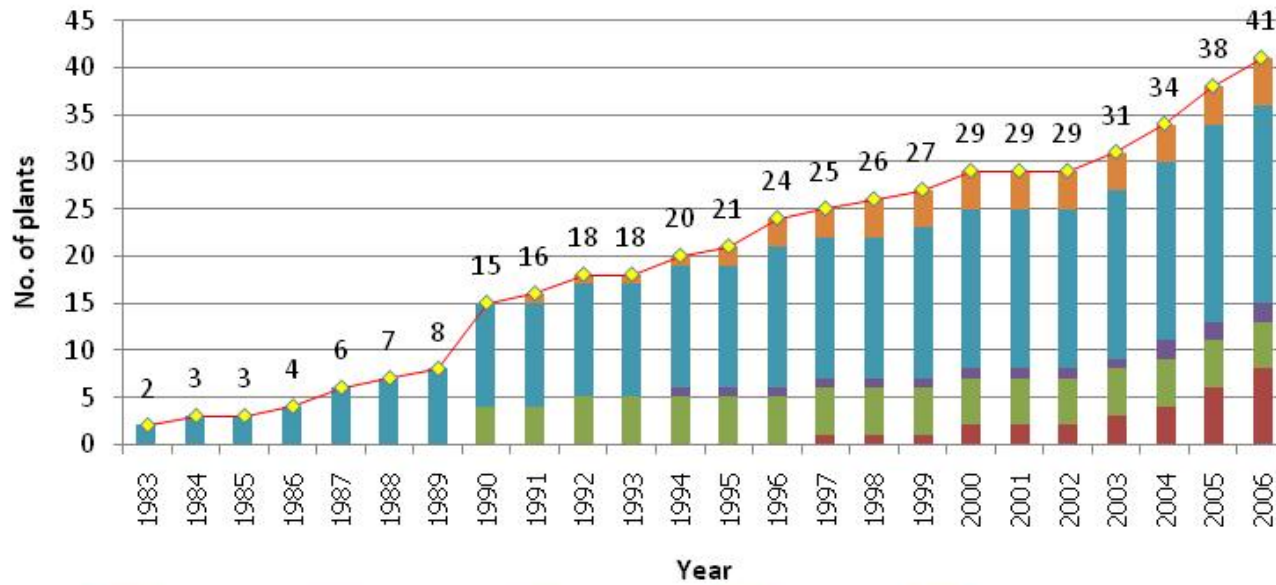
Sciaenidae → minor sp. for surimi product but the larvae abundance show potential of further resources

## 2. Off Sarawak: **Nemipteridae, Sciaenidae, Synodontidae, Priacanthidae**

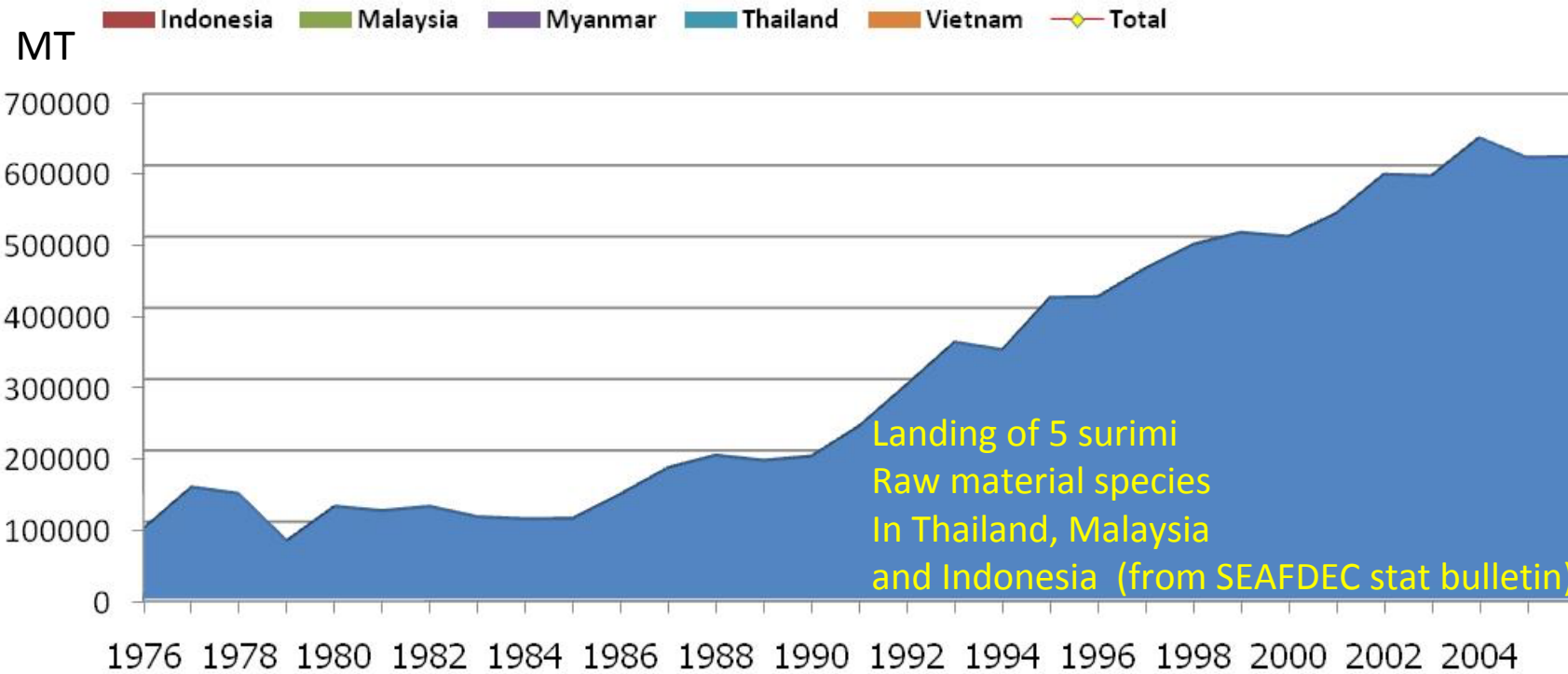
Off Sarawak is main spawning ground of most surimi raw material sp., while the fishing activity in this area is still not heavy.

## 3. North of Sulu sea: **Nemipteridae, Synodontidae**

The fishing activity in this area was limited by narrow continental shelf. But the fish larvae abundance show the potential of further resources



No. of Surimi plant  
(from survey & questionnaire)



Utilize low value  
catch & by  
catch



Target on surimi  
raw material  
species

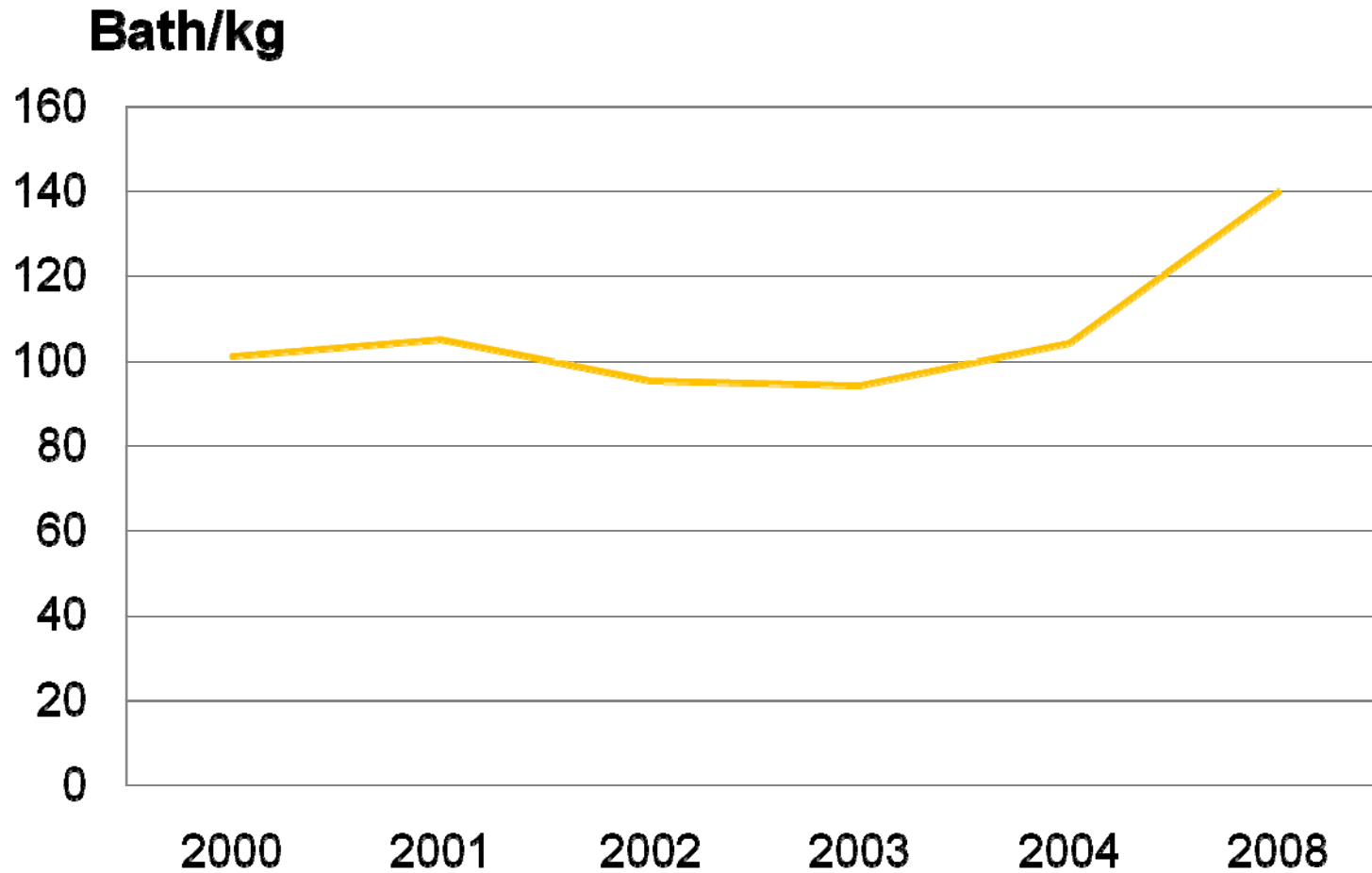


Research for  
new raw  
material species



- Currently, 2-3 million metric tones of fish from around the world, amounting to 2-3 percent of the world fisheries supply, are used for the production of surimi and surimi based products. (Globefish Vol.89, Apr2007)
- In Southeast Asian Country, about 1.5 million ton (Calculate from 20% yield), amounting 6.9% of fisheries supply of the region are used for surimi
- **“What will be the future world availability of surimi raw material and its price?”**

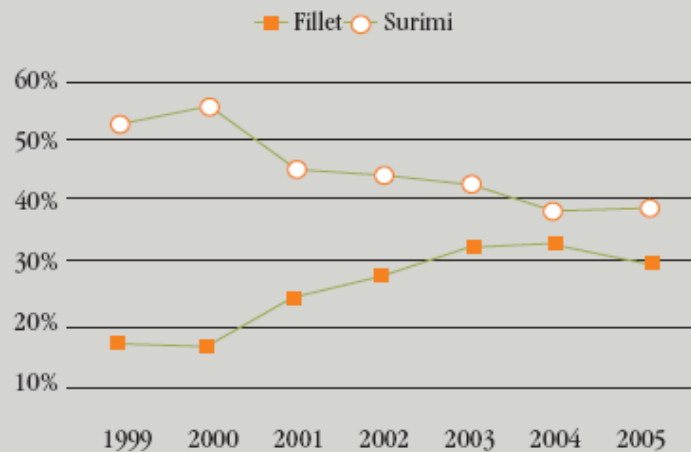
# Surimi price



2000-2004 from Thai custom department, 2008 from  
[http://www.bangkokpost.com/241108\\_Business/24Nov2008\\_biz39.php](http://www.bangkokpost.com/241108_Business/24Nov2008_biz39.php)  
SEAFOOD

# ALASKA FISHERIES MARKETING BOARD 2005 ANNUAL REPORT

FILLET & SURIMI AS A PERCENT OF TOTAL PRODUCTION



Source: National Marine Fisheries Service