



Food and Agriculture  
Organization of the  
United Nations



**Cefas**

# **VIRTUAL REGIONAL WORKSHOP ON BIVALVE MOLLUSCS SANITATION**

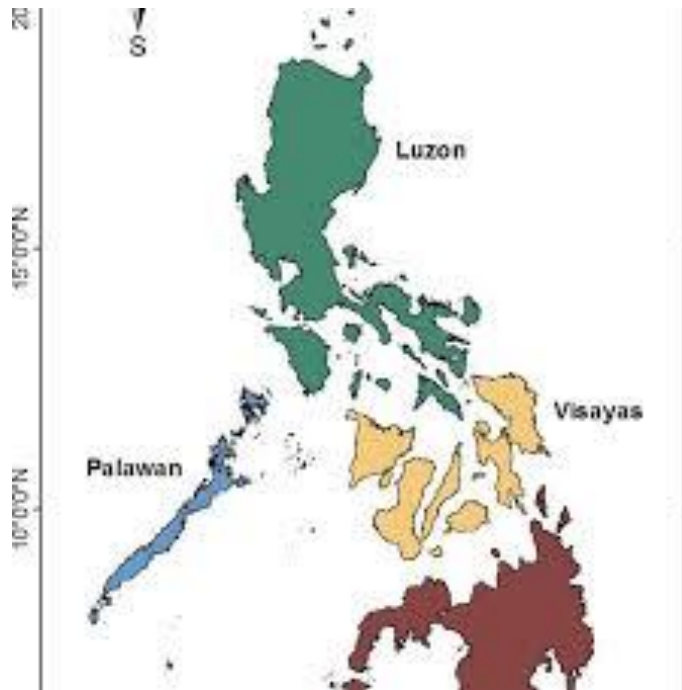
9, 10, 11 December 2020

## **PHILIPPINES**

**DA - Bureau of Fisheries and Aquatic Resources**

**Marc Lawrence J. Romero**

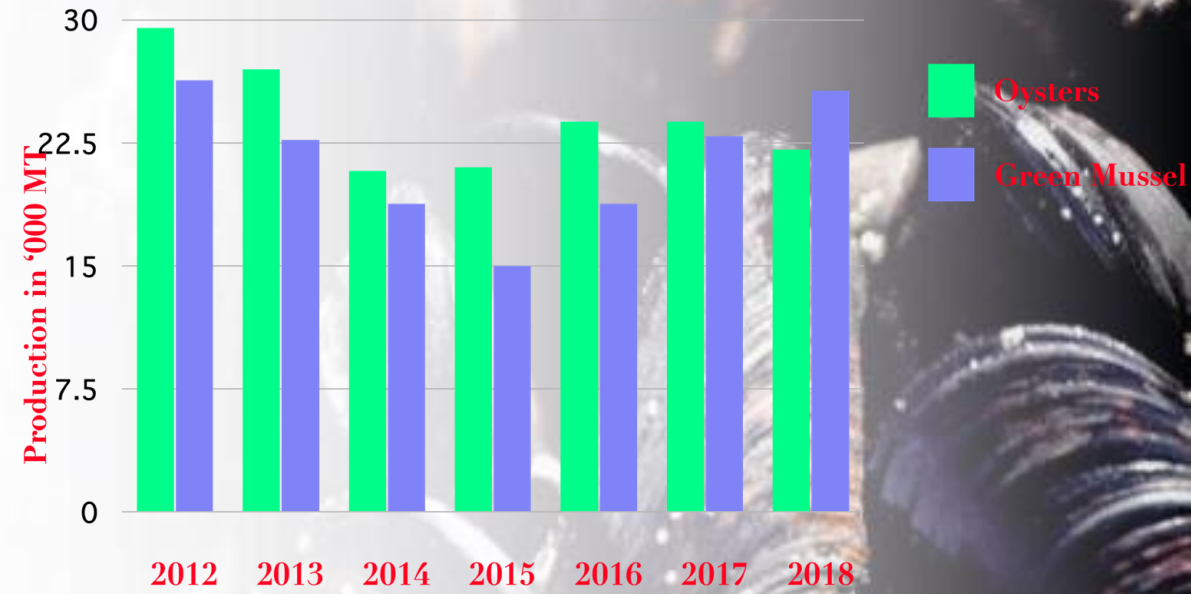
# Introduction



**Green Mussel**



**Oyster**



# Controls of DA - BFAR

## **Fisheries Administrative Orders:**

FAO 209 Guideline on the production, harvesting, handling and transportation of shellfish for implementation of the local government.

FAO 213- Establishment and maintenance of BFAR's quality control laboratories and collection of fees and charges for examination services.

FAO 234 - Accreditation of Marine Biotoxin Testing Centers

FAO 235 - Safety and Quality Control Standards for PSP

## **Philippine National Standards**

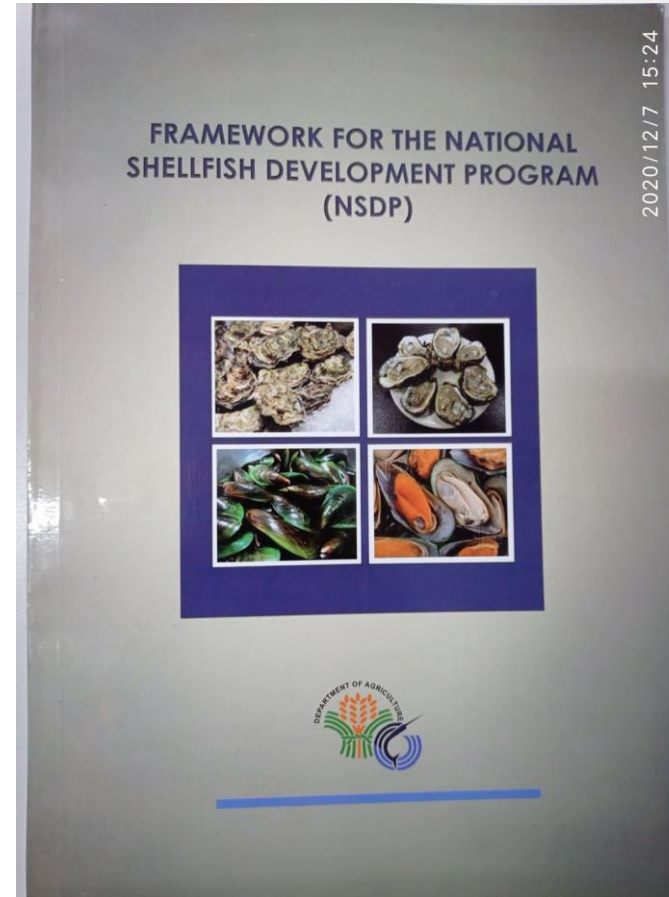
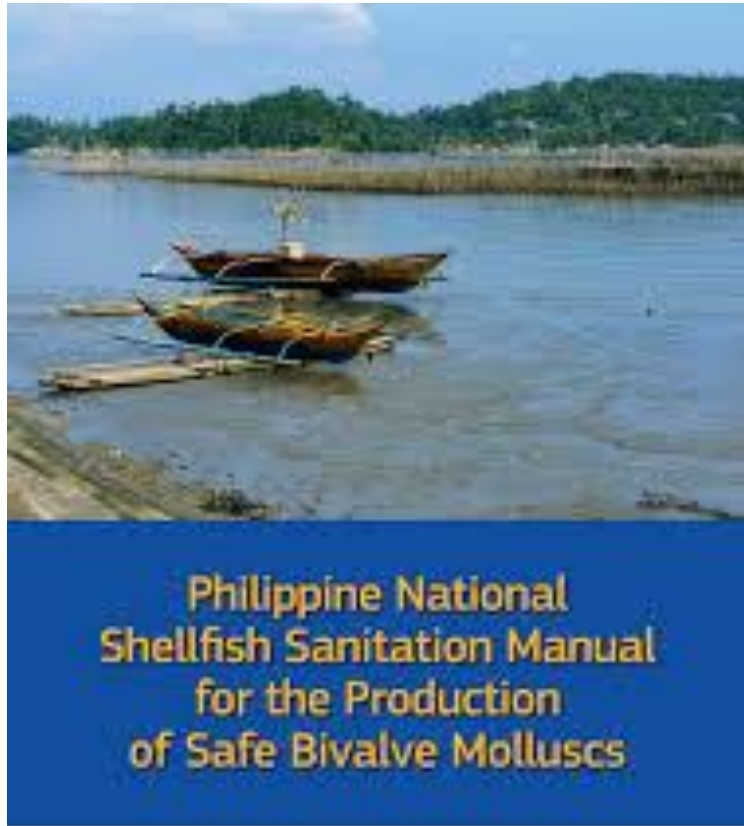
PNS/BAFS 236:2017 - Code of Practice for Live and Raw Bivalve Molluscs

PNS/BAFPS 89:2011 - Live and Raw Bivalve Mollusc





# Controls of BFAR



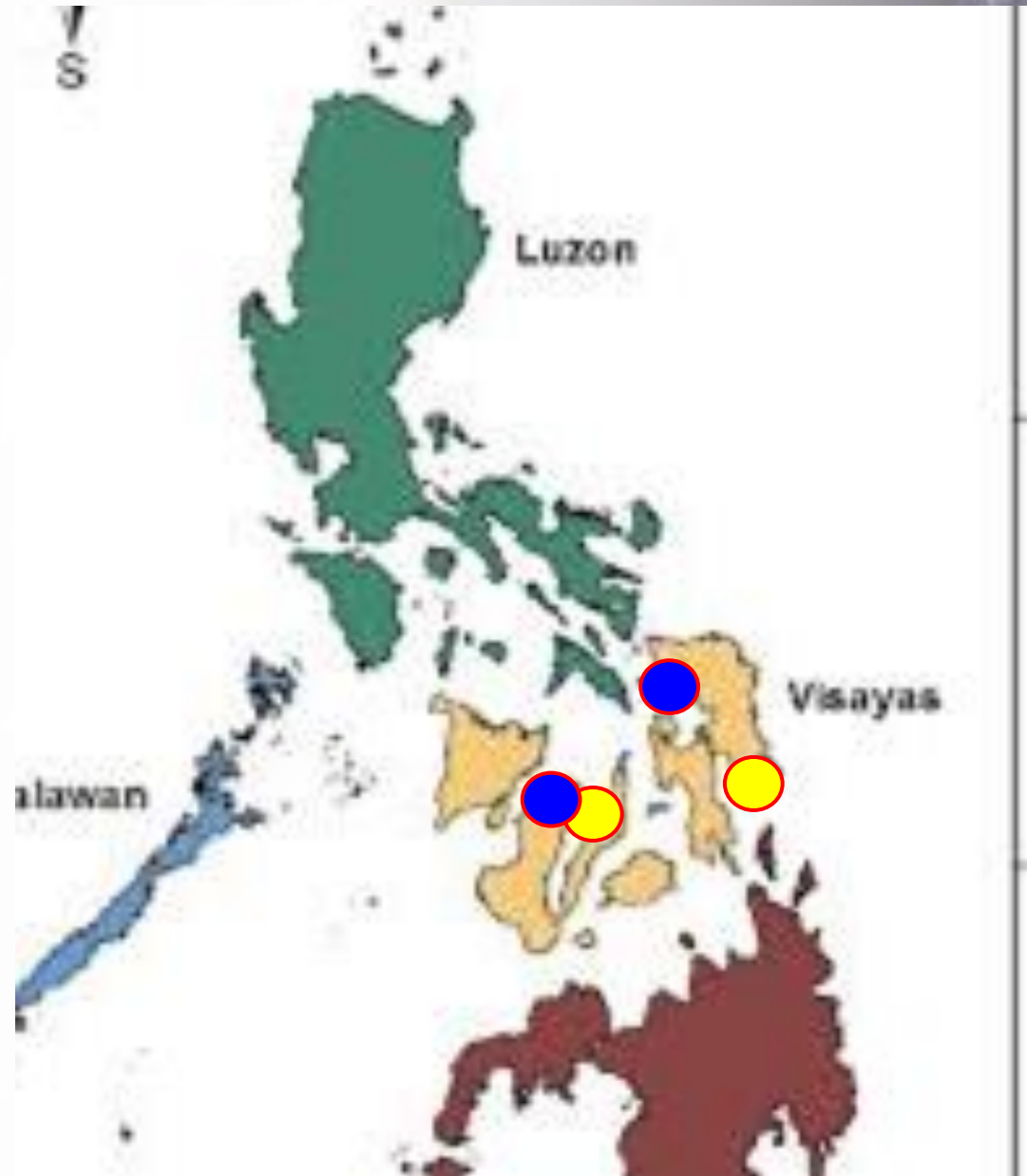
# Controls of BFAR

## Pilot Study Sites ●

- Sorsogon Bay
- Sapian Bay

## Preliminary Data ●

- Maqueda Bay
- Batan Bay



# Controls of BFAR

## Network of Laboratories

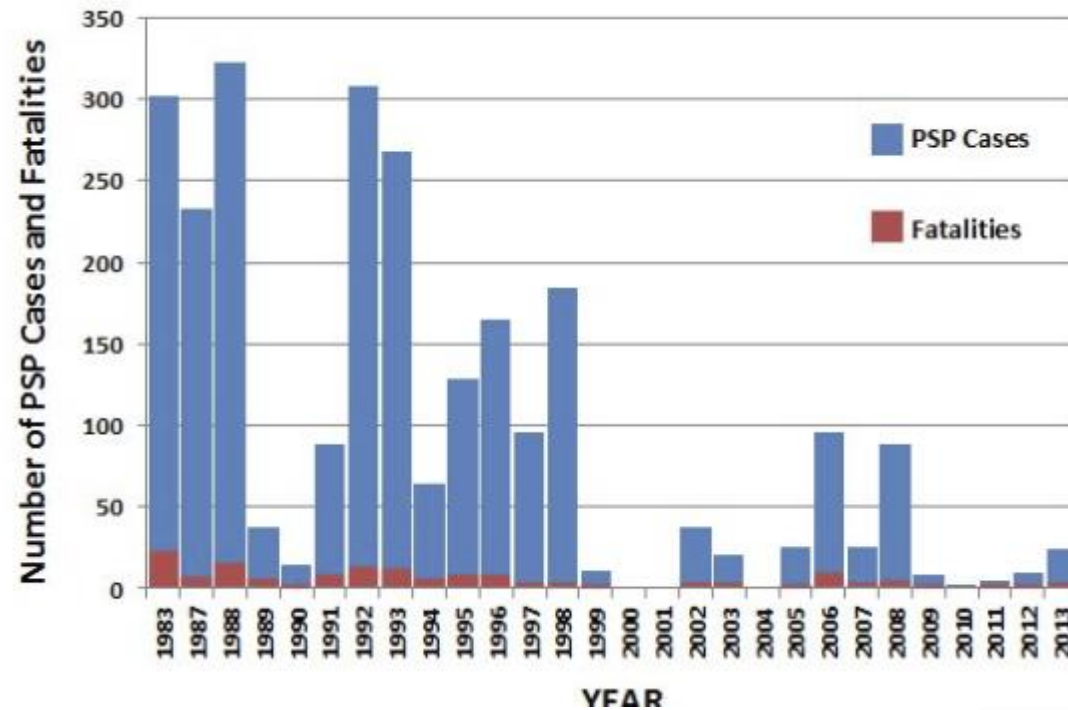
- BFAR National Fisheries Laboratory Division
- Regional Fisheries Laboratory Division
- Local Government Laboratories





# Human Health Risks

## Paralytic shellfish toxin contamination



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 Department of Agriculture  
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Based on the latest laboratory results of the Bureau of Fisheries and Aquatic Resources (BFAR) and Local Government Units (LGUs), shellfishes collected at Coastal waters of Bataan (Mariveles, Limay, Orion, Pilar, Balanga, Hermosa, Orani, Abucay and Samal); Noosa and Puerto Princesa Bays in Puerto Princesa City, and Coastal waters of Inner Malampaya Sound, Taytay in Palawan; Coastal waters of Misamis in Misamis; Coastal waters of Davao and Tagbilaran City in Bohol; Tambobo Bay, Siaton in Negros Oriental; Coastal waters of Daran Island, Zamarraga, Irong-Irong, San Pedro, Magueda and Villarreal Bays in Western Samar; Carabobo Bay, Tacloban City and Carigara Bay in Leyte; Maribao Bay in Eastern Samar; Saliba Bay, Mati City in Davao Oriental; Ulang Bay and Coastal waters of Hinatuan in Surigao del Sur; and Dumanguillas Bay in Zamboanga del Sur are still positive for paralytic shellfish toxin that is beyond the regulatory limit. Moreover, Coastal waters of Biliran Islands; Coastal waters of Calubian and Leyte in Leyte; Coastal waters of Guisan in Eastern Samar; and Cambatutay Bay in Western Samar are now positive for red tide toxin.

**All types of shellfish and *Arctes* sp. or *siamang* gathered from the areas shown above are NOT SAFE for human consumption.** Fish, squids, shrimps and crabs are safe for human consumption provided that they are fresh and washed thoroughly, and internal organs such as gills and intestines are removed before cooking.

The following areas continue to be **FREE from toxic red tides**: coastal waters of Cavite, Las Pilias, Pareñque, Navotas, Bulacan in Manila Bay; coastal waters of Bolinao, Anda, Alaminos, Sual and Wawa, Bani in Pangasinan; coastal waters of Pampanga; Masinloc Bay in Zambales; coastal waters of Pagbilao and Padre Burgos in Quezon; coastal waters of Mandaon in Masbate; Juag Lagoon, Matnog and Sorsogon Bay in Sorsogon; coastal waters of Pilar, Panay, President Roxas and Roxas City in Capiz; Saplan Bay (Ivisan and Saplan in Capiz); Mambuzalao and Camacan, Batan in Aklan; Altavas, Batan and New Washington in Batan Bay, Aklan; coastal waters of E.B. Magalona, Talisay City, Silay City, Bacolod City, Hinigaran and Victories City in Negros Occidental; Silt Bay, Siaton and Baiz Bay, Baiz City in Negros Oriental; Ormoc Bay, Ormoc City in Leyte; Panguil Bay, Tangub City in Misamis Occidental; Murcielagos Bay in Zamboanga del Norte; Misamis Occidental; Tagulines Lagoon, Benoni, Mahinog in Camiguin Island; Coastal waters of Nasipit in Agusan del Norte; Coastal waters of Cortez in Surigao del Sur; and Litilt Bay in Surigao del Norte. Moreover, Bilig Bay in Surigao del Sur is now free of the toxic red tides.

**COMMODORE EDUARDO B. GONGONA PCG (RET)**  
 BFAR National Director

In food security Philippines  
 with progressive farmers and fisherfolk



Maraming Salamat Po

Thank You

