2020

# Igang Marine Station

Aquaculture Department, Southeast Asian Fisheries Development Center

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## About SEAFDEC

The Southeast Asian Fisheries Development Center (SEAFDEC) is an autonomous intergovernmental body established as a regional treaty organization in December 1967 to promote fisheries development in the region through research, training and information services. Its Member Countries include Brunei Darussalam, Cambodia, Indonesia, Japan, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand, and Viet Nam.

The Aquaculture Department (AQD), one of SEAFDEC's five departments, is mandated to implement programs in research, technology verification and demonstration, and training and information dissemination in order to promote responsible aquaculture in Southeast Asia.

**www.seafdec.org.ph**

### For further information

**THE CHIEF**
SEAFDEC/AQD
Tigbauan 5021, Iloilo, Philippines
Trunklines connecting all offices:
+63 33 330 7000
Fax: +63 33 330 7002
Email: aqdchief@seafdec.org.ph

**Igang Marine Station**
Nueva Valencia, 5046
Guimaras, Philippines
Mobile: +63 917-9187761



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AQUACULTURE DEPARTMENT
www.seafdec.org.ph

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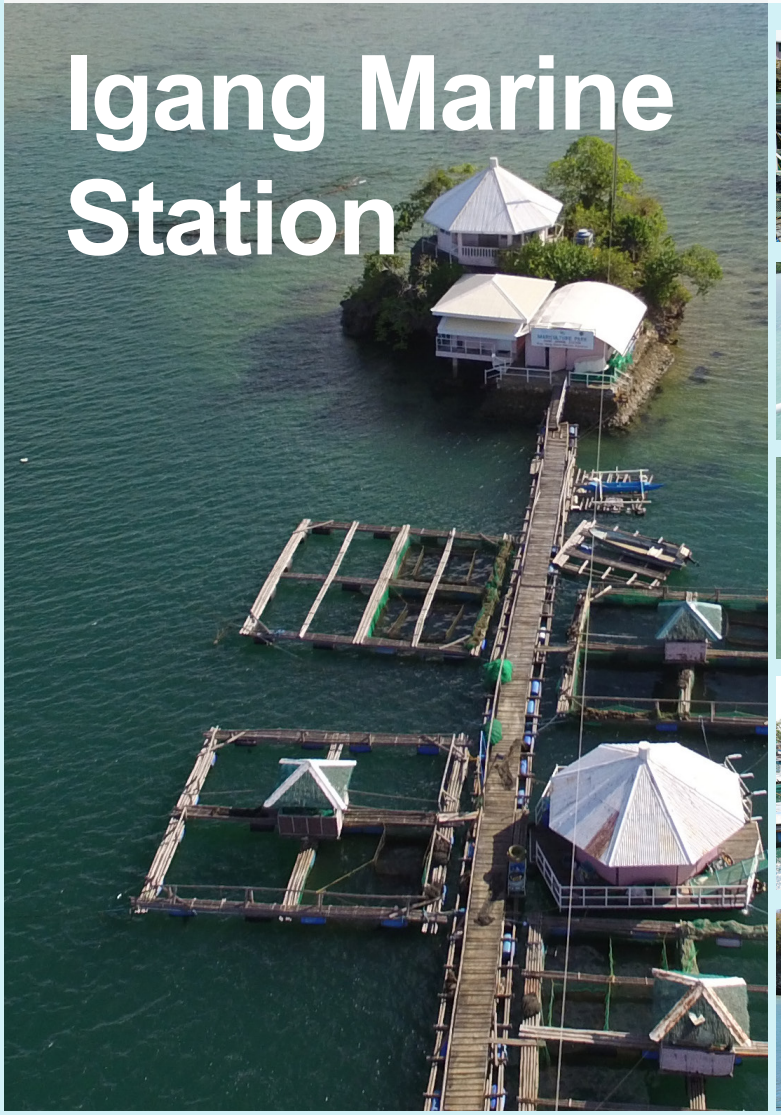
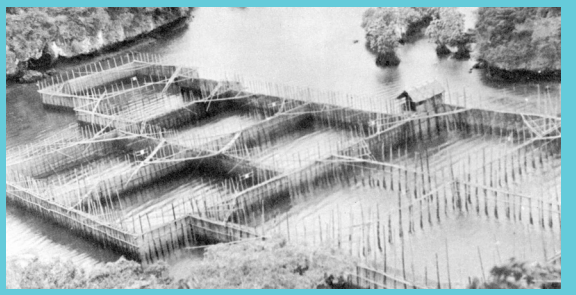


# Igang Marine Station

The **Igang Marine Station (IMS)** of SEAFDEC Aquaculture Department (SEAFDEC/AQD) is located on the southwest coast of Guimaras Island in central Philippines. IMS is composed of five islets and clusters of floating fish cages interconnected by pontoon foot bridges. The station maintains captive broodstock of various commercially important aquaculture species to provide eggs for research and production runs.

The station was established in 1974 primarily for studies on the breeding of tiger shrimp (*Penaeus monodon*) in pens. The major breakthroughs of SEAFDEC/AQD were accomplished in IMS, including the completion of the life cycle of tiger shrimp in captivity in 1975 and milkfish (*Chanos chanos*) in 1983. The natural spawning of captive breeders in cages was first observed and recorded at the station in 1979.

New nursery and grow-out technologies have been developed and verified for high-value species such as grouper (*Epinephelus* spp.), sea bass (*Lates calcarifer*), snapper *(Lutjanus argentimaculatus*), and pompano (*Trachinotus blochii*) to cater to the needs of fish farmers.



Tiger shrimp maturation pens in IMS (formerly SEAFDEC Sea-farming Station) in 1975

# Activities and Facilities

Studies on marine culture techniques are being conducted in IMS including reproductive biology, broodstock maturation, and seed production. Trials are also being done to verify new diet formulations, evaluate the performance of cultured stocks, and the potential of new culture systems. Currently, the station also supports studies for various other aquaculture species like abalone, seaweeds, sea cucumbers, and most recently for tuna.

To support research and training activities, the station has an office, laboratories, staff quarters, and fully-furnished guest houses for official visitors.

The water of IMS is also home to a giant clam garden that is host to more than 200 giant clams that were stocked and protected within the station.

## Legend

1. Station Building
2. Broodstock Area
3. Floating Laboratory$_1$
4. Hatchery Building
5. Giant Clam Garden
6. Sea Cucumber Pens
7. Executive House
8. Guest House
9. Mariculture Area
10. Floating Laboratory$_2$
11. Mini Wet Lab
12. Technicians' Quarters

Station Building

Floating Laboratory

Hatchery Building

Guest House

Mariculture Area

Mini Wet Lab