

Establishment and Operation of a Regional System of Fisheries *Refugia* in the South China Sea and Gulf of Thailand

REPORT

ICHTHYOPLANKTON SURVEY IN SELETTED AREAS OF BOLINAO BAY

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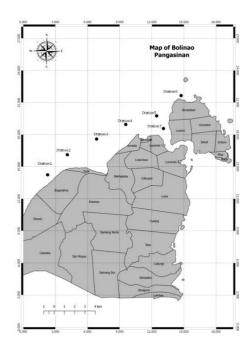
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HIGHLIGHT ACTIVITIES

- 1) Before the survey, the team conducted a courtesy visit to the Local Government of Bolinao, we visited the office of the Municipal Agriculturist and discussed the purpose of the visit, we meet Ms. Carolina Ramirez head of the Agriculture Office, we also requested representative from their office to participate and observe in the survey to be conducted in the area. After the courtesy visit to the Agriculture office we had a short meeting with the Municipal Administrator to inform them about the Survey. We informed them that the result of the survey can be shared to the LGU.
- On the second day we started the Ichthyoplankton Survey in the selected areas of Bolinao Bay. 7 stations were established during the survey (Table. 1).
- 3) Vertical tow of phytoplankton (30 cm diameter, 1m length and 20 μ m mesh size) and zooplankton (30 cm diameter, 1m length and 64 μ m mesh size) nets from near bottom up to the surface to ensure that planktons within the water column was well represented.
- 4) Horizontal towing of Bongo nets (50 cm diameter, 2.5 m length and 300 μm mesh size) in the surface water was done for 10 minutes on board the vessel at a possible speed of about 2-3 knots in each station to collect ichthyoplankton samples for estimates of the abundance and distribution of fish eggs and larvae. Samples were stored in plastic bottles with 10% seawater buffered formalin solution to preserve the samples.



5) Echo sounder was also used to determine the depth of every station.

Station	START RECORD		Depth
	North/Lat	East/Long	Meters
Station 01	16.35661	119.79835	35
Station 02	16.374537	119.82092	46.2
Station 03	16.388728	119.84623	44.8
Station 04	16.401879	119.87146	36.3
Station 05	16.409849	119.89831	20.8
Station 06	16.427997	119.91937	3.3
Station 07	16.398904	119.90445	17.7

Table 1. List of sampling stations in Bolinao Bay with coordinates

Laboratory work:

6) Analyses of various samples (water, ichthyoplankton and plankton samples) are on-going process in the laboratory. Species composition of ichthyo- and plankton assemblages will be microscopically analyzed.