



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

REPORT

**COLLECTION OF FISH EGGS AND LARVAE IN CORON, PALAWAN,
FROM JANUARY TO DECEMBER 2019**

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1. Objective

To process and analyze the fish eggs and larvae samples collected in Masinloc bay, Zambales, every quarter in 2018.

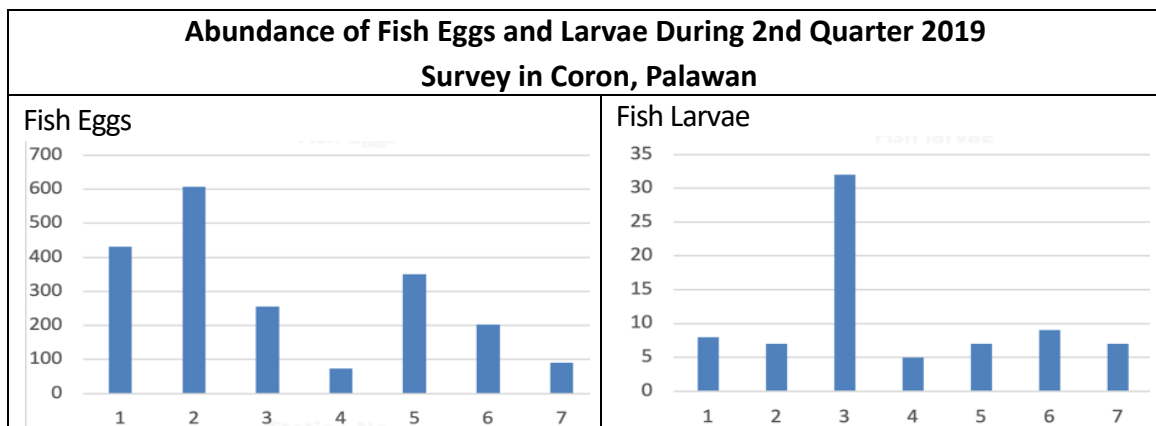
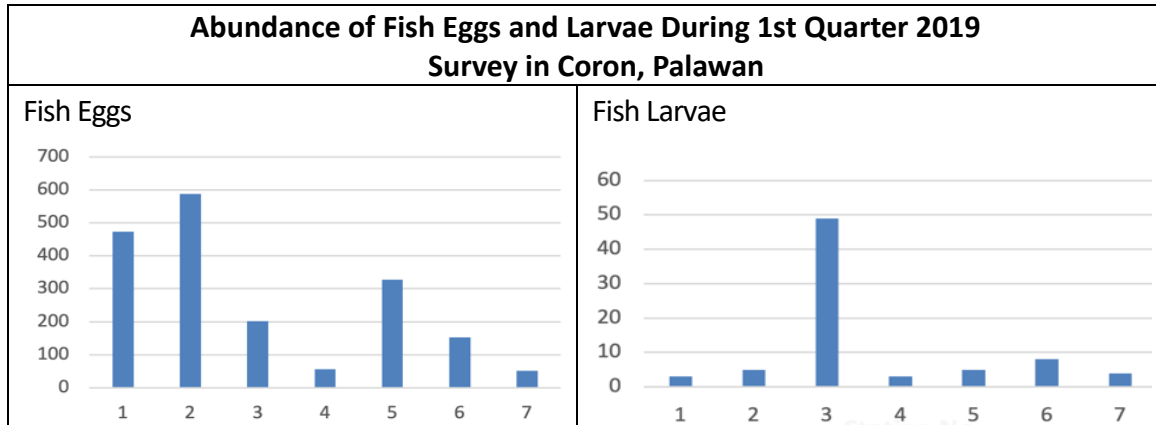
2. Methodology

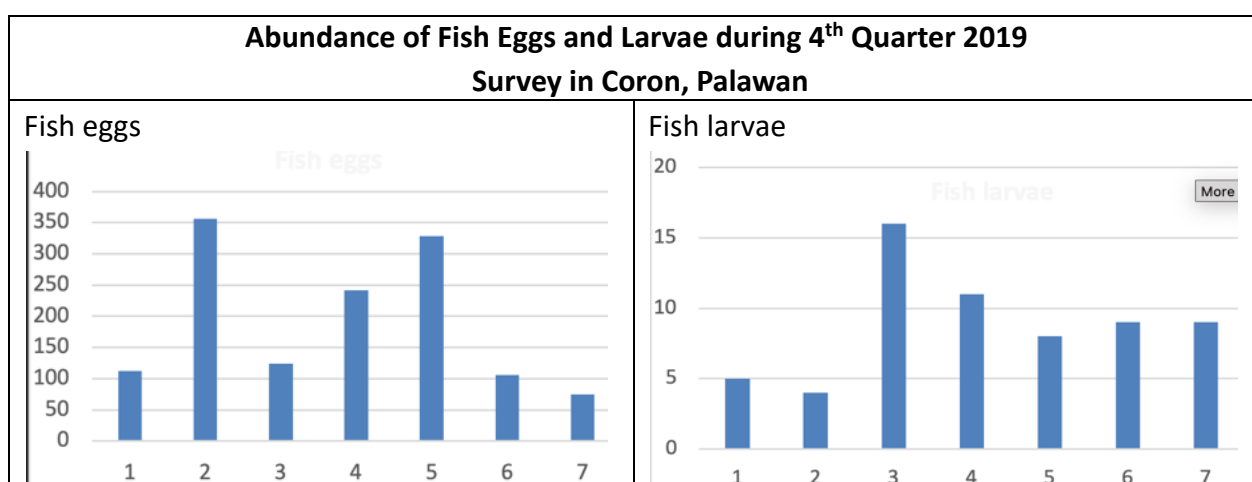
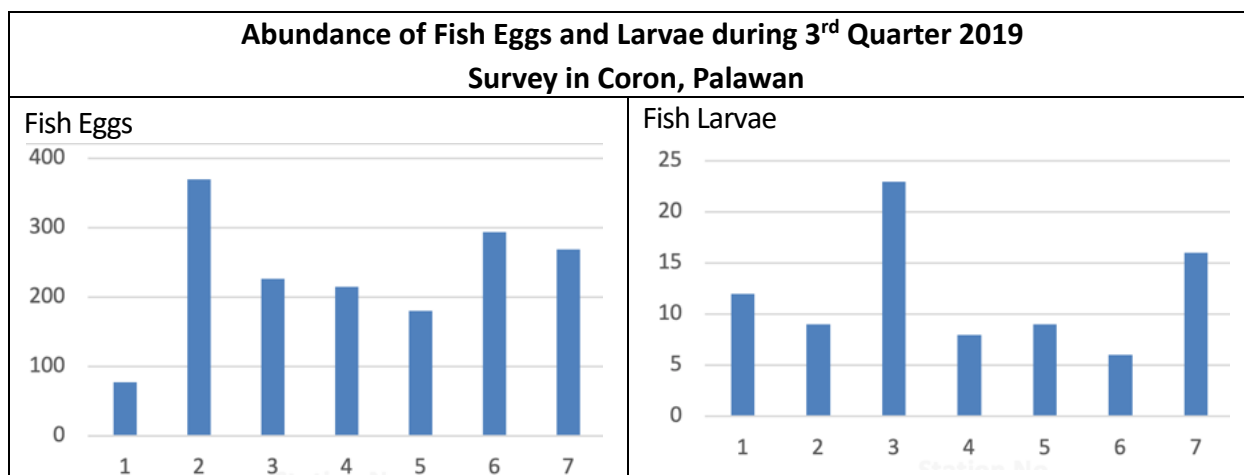
A quarterly monitoring/survey of fish eggs and larvae in Coron bay was conducted in 2018. The samples were collected by horizontal towing of a bongo net for 10 minutes with a 0.5m diameter, 1.5 meters length, 350µm mesh size, and a flowmeter centrally attached to the center of the net.

3. Results

Planktonic fish eggs collected in the coastal water of Coron bay during four surveys in 2019 amasses in station 2. Also, a high abundance of planktonic fish eggs was observed in stations 1 and 5; a low density of fish eggs was recorded in stations 3,4,6, and 7, respectively, throughout the entire survey. Fish eggs abundance ranged from 52 ind. to 608 ind. during the 2019 survey.

During the survey in 2019, a total of 297 fish larvae belonging to 26 families were identified in 7 sampling stations in Coron bay. The main fish larval families were Caesionidae, Carangidae, Clupeidae, Serranidae, Lutjanidae, and Labridae. High concentrations of fish larvae were observed in station 3 throughout the survey period; Fish larval ranged from 3 ind. to 49 ind. in 7 sampling stations during the 2019 survey in Coron Bay.





Fish Larval abundance by family in Coron Bay, Palawan 2019

Fish Families	Q1-2019	Q2-2019	Q3-2019	Q4-2019	Total
<i>Acanthuridae</i>	6	4	9	3	22
<i>Balistidae</i>	1	1	1	1	4
<i>Belonidae</i>			3		3
<i>Caesionidae</i>	7	8	13	6	34
<i>Carangidae</i>	8	6	6	12	32
<i>Clupeidae</i>	11	5	3	6	25
<i>Coryphaenidae</i>	2	2	1	2	7
<i>Engraulidae</i>	1	1	6		8
<i>Ephippidae</i>	1		1	2	4
<i>Exocoetidae</i>	2		1	5	8
<i>Haemullidae</i>	2	1	1	2	6
<i>Hemiramphidae</i>	1			1	2
<i>Labridae</i>	4	2	3	1	10
<i>Leiognathidae</i>	1				1

<i>Lethrinidae</i>	2	4	2	3	11
<i>Lutjanidae</i>	5	6	6	2	19
<i>Monacanthidae</i>			1		1
<i>Nemipteridae</i>	5	2	1	1	9
<i>Scaridae</i>	1	1	3	1	6
<i>Scombridae</i>	1	1	1	3	6
<i>Serranidae</i>	6	6	4	6	22
<i>Siganidae</i>	3	1	6		10
<i>Sillaginidae</i>	2	2	3	1	8
<i>Sphyraenidae</i>	3	4	1	1	9
<i>Syngnathidae</i>	1	1	1		3
<i>Teraponidae</i>	1	1		2	4
<i>Unidentified</i>		16	6	5	27
	77	75	83	66	301

Annex 1

Processing of fish larvae samples collected in Coron Bay, Palawan, during four samplings in 2019.

