



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
Provincial Environment and Natural Resources Office
Bgy. Sta. Monica, Puerto Princesa City, Palawan
E-mail: penropalawan@denr.gov.ph
Telfax No. (048) 433-5638

21 April 2022

MEMORANDUM

FOR : **The Regional Executive Director**
DENR-MIMAROPA Region
Roxas Blvd. Ermita, Manila

The Director
Ecosystems Research and Development Bureau
College, Laguna

FROM : The Provincial Environment and
Natural Resources Officer

SUBJECT : **REPORT ON TURNED-OVER OF TWENTY-ONE (21) BY-CATCH
HORSESHOE CRAB IN SNAKE ISLAND NCMCR**

Respectfully submitted is the Memorandum dated A, 2022 from PENRO CDS regarding the above subject.

As per report, a fisherfolk turned-over the twenty-one (21) by-catch Horseshoe crab to the on-duty staff of Snake Island and conducted appropriate actions. Attached is the copy of the report with the collected morphometrics parameters, details of by-catch and the photo documentation. Further, the attached data will be forwarded to ERDB-CRERDEC as part of the continuing data collection for the horseshoe crab study.

For your information and further instructions.




FELIZARDO B. CAYATOC

**DENR PENRO
PALAWAN RECORDS
RELEASED**
APR 25 2022 CN 22-1018



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21 April 2022

MEMORANDUM

FOR : The Provincial Environment and
Natural Resources Officer

THRU : The Chief,
Conservation and Development Section/SIMO

FROM : Genesis Z. Ustares
Marine Biologist II, Snake Island NCMCR

SUBJECT : **REPORT ON TURNED-OVER OF TWENTY-ONE (21) BY-CATCH
HORSESHOE CRAB IN SNAKE ISLAND NCMCR**

DENR PENRO
PALAWAN RECORDS
RECEIVED

BY: *[Signature]*
DATE: 04-21-2022 CN: 22-3405

Respectfully submitted is the report of the turned-over of twenty-one (21) by-catch Horseshoe crab in Snake Island – National Coastal and Marine Center for Research.

On April 20, 2022, a fisherfolk turned-over the twenty-one (21) by-catch Horseshoe crab on the on-duty staff of Snake Island and Mr. Dionisio A. Mahilum Jr. gathered the below morphometrics parameters. Fifteen (15) horseshoe crab (SIBCTT 50 – 64) were caught on April 19, 2022 at the following coordinates: 9°54'1" N 118°49'25" E, 9°54'21" N 118°49'38" E, 9°54'30" N 118°49'51" E thru crab gill net with 900 meters in length and soaked within 45 hours' period. According to the fisherfolk, there are also eight (8) horseshoe crab with tags were recaptured on the same date and were released immediately. Further, six (6) horseshoe crab (SIBCTT 44 - 49) were caught on April 20, 2021 at the following coordinates: 9°54'15" N 118°49'23" E, 9°54'08" N 118°49'10" E, 9°53'59" N 118°48'59" E thru crab gill net with 900 meters in length and soaked within 19 hours' period.

Morphometrics Parameters	SIBCTT-44 (Male)	SIBCTT-45 (Male)	SIBCTT-46 (Male)	SIBCTT-47 (Female)	SIBCTT-48 (Female)
Prosomal Length (PL)	14.4 cm	14.6 cm	13.7 cm	16.2 cm	17 cm
Prosomal Width (PW)	8 cm	8.5 cm	8.4 cm	9 cm	9.9 cm
Intraocular Distance (IO)	14.4 cm	14.5 cm	13.8 cm	15.7 cm	17.1 cm
Telson Length (TEL)	28.9 cm	27 cm	23 cm	31 cm	35.2 cm
Carapace Length (CL)	26.9 cm	27.7 cm	25.2 cm	27 cm	28.5 cm
Opisthosomal Length (OL)	12.6 cm	12.5 cm	12 cm	13.2 cm	15 cm
Opisthosomal Width (OW-1)	12 cm	12.4 cm	13.2 cm	15.3 cm	15.7 cm
Opisthosomal Width (OW-2)	16.7 cm	14.7 cm	15.1 cm	17.8 cm	19 cm
Opisthosomal Width (OW-3)	18.6 cm	17.5 cm	15.7 cm	19.1 cm	20.5 cm
Anal Angle (AA)	6.9 cm	7.1 cm	6.8 cm	7.9 cm	7.3 cm

Morphometrics Parameters	SIBCTT-49 (Female)	SIBCTT-50 (Male)	SIBCTT-51 (Male)	SIBCTT-52 (Female)	SIBCTT-53 (Male)
Prosomal Length (PL)	16.7 cm	14.4 cm	12.7 cm	17.9 cm	15 cm
Prosomal Width (PW)	9.2 cm	8.3 cm	6.8 cm	9.5 cm	7.4 cm
Intraocular Distance (IO)	15.9 cm	14.3 cm	12.3 cm	16.7 cm	14.1 cm
Telson Length (TEL)	31.7 cm	25.2 cm	25.5 cm	36.2 cm	30.4 cm
Carapace Length (CL)	27.6 cm	27 cm	22.9 cm	29 cm	27.3 cm
Opisthosomal Length (OL)	13.7 cm	12.2 cm	10.4 cm	14.7 cm	12.7 cm
Opisthosomal Width (OW-1)	13.2 cm	12.2 cm	10.7 cm	14 cm	12.4 cm
Opisthosomal Width (OW-2)	16.6 cm	16.2 cm	14 cm	19.2 cm	16.5 cm
Opisthosomal Width (OW-3)	18.9 cm	18.2 cm	16.1 cm	20.8 cm	18 cm
Anal Angle (AA)	6.3 cm	6.3 cm	6 cm	7.5 cm	7.2 cm



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Morphometrics Parameters	SIBCTT-54 (Female)	SIBCTT-55 (Female)	SIBCTT-56 (Female)	SIBCTT-57 (Male)	SIBCTT-58 (Female)
Prosomal Length (PL)	11.7 cm	14.5 cm	9 cm	14 cm	13.2 cm
Prosomal Width (PW)	6.5 cm	6.7 cm	4.9 cm	7.5 cm	8 cm
Intraocular Distance (IO)	11.4 cm	13.9 cm	8.4 cm	13.5 cm	12.6 cm
Telson Length (TEL)	22.7 cm	28.2 cm	16.7 cm	23.5 cm	26.8 cm
Carapace Length (CL)	20 cm	24 cm	15.5 cm	24.4 cm	21.6 cm
Opisthosomal Length (OL)	9.8 cm	11.6 cm	6.9 cm	11.7 cm	10.9 cm
Opisthosomal Width (OW-1)	9.5 cm	12 cm	7.3 cm	11.7 cm	11.2 cm
Opisthosomal Width (OW-2)	12.6 cm	15.4 cm	9.6 cm	15.3 cm	14 cm
Opisthosomal Width (OW-3)	14.3 cm	17.6 cm	11.5 cm	16.4 cm	16 cm
Anal Angle (AA)	5.5 cm	6.3 cm	4.2	5.7	6.5 cm

Morphometrics Parameters	SIBCTT-59 (Male)	SIBCTT-60 (Male)	SIBCTT-61 (Male)	SIBCTT-62 (Female)	SIBCTT-63 (Male)
Prosomal Length (PL)	14.7 cm	14.6 cm	14.2 cm	11.5 cm	12.2 cm
Prosomal Width (PW)	7.3 cm	7.8 cm	8.1 cm	6.2 cm	6.9 cm
Intraocular Distance (IO)	14.5 cm	13.9 cm	14 cm	11.5 cm	11.9 cm
Telson Length (TEL)	13.1 cm	24.5 cm	27.4 cm	25 cm	17.4 cm
Carapace Length (CL)	26.9 cm	26.7 cm	26.2 cm	21 cm	21.5 cm
Opisthosomal Length (OL)	12.4 cm	12 cm	12.7 cm	9.6 cm	9.8 cm
Opisthosomal Width (OW-1)	12.3 cm	11.8 cm	12.2 cm	9.4 cm	10 cm
Opisthosomal Width (OW-2)	16 cm	14.7 cm	16.5 cm	12.3 cm	13 cm
Opisthosomal Width (OW-3)	17.4 cm	17.2 cm	17.8 cm	14.5 cm	14.4 cm
Anal Angle (AA)	6.7	6.6 cm	6.9 cm	5.4 cm	4.7 cm

Morphometrics Parameters	SIBCTT-64 (Female)
Prosomal Length (PL)	8 cm
Prosomal Width (PW)	4.5 cm
Intraocular Distance (IO)	7.1 cm
Telson Length (TEL)	14.9 cm
Carapace Length (CL)	14.2 cm
Opisthosomal Length (OL)	6.3 cm
Opisthosomal Width (OW-1)	6.8 cm
Opisthosomal Width (OW-2)	9 cm
Opisthosomal Width (OW-3)	9.9 cm
Anal Angle (AA)	4 cm

The above data will be forward to ERDB-CRERDEC as part of the continuing data gathering for the horseshoe crab study. Attached is the photo documentation of the activity.

For your information and further instructions.

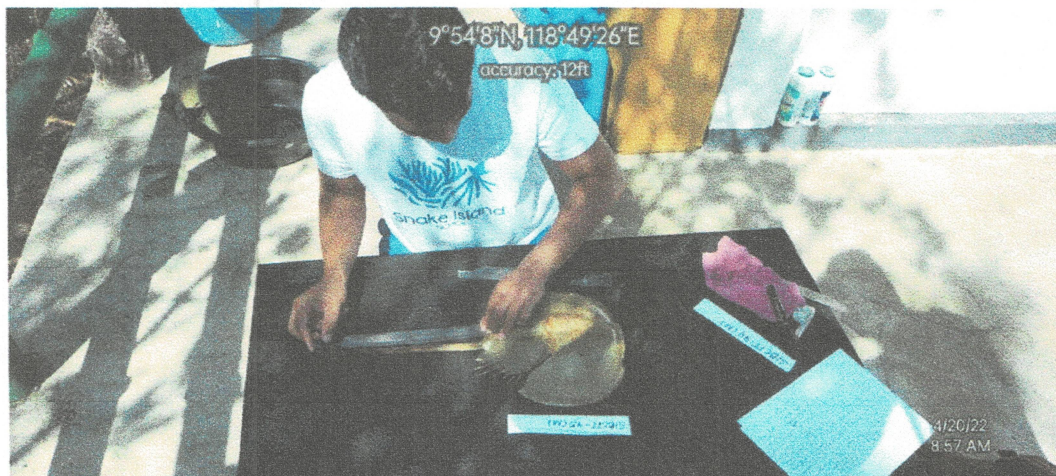

GENESIS Z. USTARES

Noted by:


RHODORA B. UBANI
Chief, CDS/SIMO



PHOTO DOCUMENTATION



Mr. Dionisio Mahilum Jr. and Mark Lito measuring the morphometrics parameters of by-catch horseshoe crab