



Republic of the Philippines
Department of Environment and Natural Resources
Provincial Environment and Natural Resources Office
MIMAROPA Region

Bgy. Sta. Monica, Puerto Princesa City, Palawan

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CDS File

September 5, 2022

MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA
1515 L&S Bldg., Roxas Blvd.
Ermita, Manila

THRU : The Assistant Regional Director for
Technical Services

FROM : The Provincial Environment and
Natural Resources Officer

SUBJECT : **REPORT ON THE TURNED-OVER OF EIGHT (8) BY-CATCH
HORSESHOE CRABS (*Tachypleus tridentatus*) IN SNAKE
ISLAND NCMCR**

Respectfully submitted the Memorandum dated September 5, 2022 from Data Manager Julius F. Landrito regarding the above-mentioned subject.

As per report, fisherman turned over his by-catch of horseshoe crabs to on-duty staff on Snake Island with a total of eight (8) individuals and conducted data collection and other proper actions. Attached is the copy of the report with the data collected on morphometric parameters, details on by-catch, and the photo documentation. Furthermore, the attached data will be forwarded to ERDB-CRERDEC as of the continuing data collection on their horseshoe crab study.

For your information and further instructions.




FELIZARDO B. CAYATOC

DENR-PALAWAN
PENRO-RECORDS
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By Mar
Date: 08 SEP 2022 CN 22-2278

2022-8030



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September 5, 2022

MEMORANDUM

FOR : The Provincial Environment and
Natural Resources Officer

THRU : The Chief,
Conservation and Development Section/ SIMO

FROM : Julius F. Landrito
Data Manager, Snake Island NCMCR

SUBJECT : **REPORT ON THE TURNED-OVER OF EIGHT (8) BY-CATCH
HORSESHOE CRABS (*Tachypleus tridentatus*) IN SNAKE
ISLAND NCMCR**

Respectfully submitted the report on the turned-over of eight (8) by-catch horseshoe crabs in Snake Island- National Coastal and Marine Center for Research.

On September 3, 2022, a fisherman turned over his by-catch of horseshoe crabs to on-duty staff on Snake Island with a total of eight (8) individuals. These horseshoe crabs were caught by his Crab gillnet, a fishing gear that targets blue swimming crab (*alimasag*) however sometimes it can accidentally catch this species. Research Assistant Jamael B. Masacal., a staff of Snake Island NCMCR, led the collection of the data on the turned-over horseshoe crabs. According to the data gathered, the name of the fisherman is Mr. Ronald Reyes, a resident of Brgy. Tagburos, and based on the interview conducted the horseshoe crabs were captured within the multiple-used zones of Snake Island and Mr. Reyes mentioned that he surrenders these horseshoe crabs because he heard from the CDS Chief/ SIMO Rhodora B. Ubani through the Communication, Education and Public Awareness (CEPA) conducted in his Barangay that this species is monitored by this office. Morphometric parameters of each horseshoe crab were also measured. These morphometric parameters are the following; Prosomal Length (PL), Prosomal Width (PW), Telson Length (TEL), Intraocular Distance (IO), Carapace Length (CL), Opisthosomal Length (OL), Opisthosomal Widths (OW-1, OW-2, OW-3), Anal Angle (AA) and Total Length (TL). The sex of each individual was also determined. After the measurement and tagging of the horseshoe crabs, they were immediately released into the seawater. Below is the measured and gathered data.

HC-CODE	SEX	PL (cm)	PW (cm)	TEL (cm)	IO (cm)	CL (cm)	OL (cm)	OW-1 (cm)	OW-2 (cm)	OW-3 (cm)	AA (cm)	TL (cm)
SIBCTT-81	Female	15.6	26.9	29.5	11.8	30.7	13.4	16.1	19.2	17.1	7.6	58.5
SIBCTT-82	Male	13.0	26.1	24.6	9.4	26.5	12.3	13.4	17.0	15.6	7.5	49.9



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HC-CODE	SEX	PL (cm)	PW (cm)	TEL (cm)	IO (cm)	CL (cm)	OL (cm)	OW-1 (cm)	OW-2 (cm)	OW-3 (cm)	AA (cm)	TL (cm)
SIBCTT-83	Male	13.0	22.5	17.4	8.8	23.9	12.7	12.5	15.5	12.1	7.0	43.1
SIBCTT-84	Female	12.1	20.4	22.9	8.5	24.3	13.2	11.7	15.5	13.0	6.4	48.2
SIBCTT-85	Male	12.0	25.0	27.3	7.5	25.0	13.0	11.6	14.1	12.6	6.4	52.3
SIBCTT-86	Male	12.7	22.6	30.9	9.5	24.4	12.3	12.3	14.7	12.5	6.3	55.9
SIBCTT-87	Male	11.2	22.1	22.1	8.1	22.5	11.5	11.0	14.0	10.0	6.0	44.8
SIBCTT-88	Male	11.2	20.6	24.4	7.3	22.2	10.1	10.5	13.5	10.7	6.2	45.7

This data will be forwarded to ERDB-CRERDEC as of the continuing data collection on their horseshoe crab study. Attached is the photo documentation during the data collection.

For your information and further instruction.


JULIUS F. LANDRITO

Noted by:

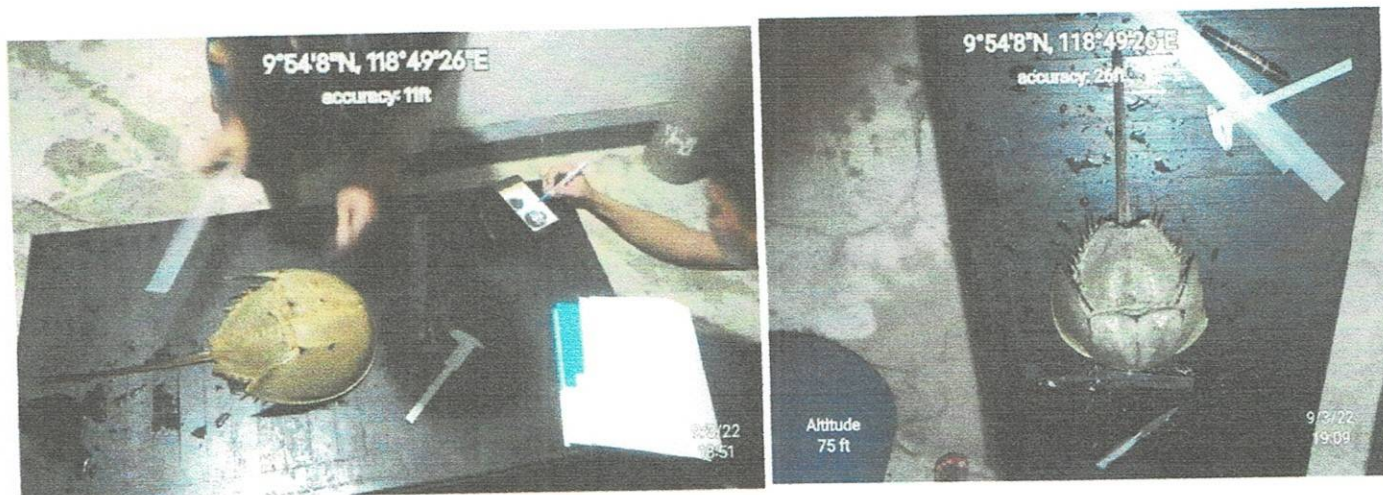

RHODORA B. UBANI
Chief, CDS/SIMO



PHOTO DOCUMENTATION



Mr. Ronald Reyes, a crab gillnetter who surrender eight (8) horseshoe crabs (left) and horseshoe crabs entangled in his net (right)



Research Assistant Jamael B. Masacal conducted morphometric measurement (left) and preparation of horseshoe crab for the measurement (right)