



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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Telfax No. (048) 433-5638 / (048) 433-5638

June 6, 2022

MEMORANDUM

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

FROM : The Provincial Environment and
Natural Resources Officer

SUBJECT : **REPORT ON THE TURNED-OVER OF SIXTEEN (16) BY-
CATCH HORSESHOE CRABS (*Tachypleus tridentatus*) IN
SNAKE ISLAND NCMCR**

Respectfully submitted the Memorandum dated June 3, 2022 from Data Manager Julius F. Landrito regarding the above-mentioned subject.

As per report, fisherfolk turned over his by-catch of horseshoe crabs to on-duty staff on Snake Island with a total of sixteen (16) 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.



"For and in the absence of the PENRO"


JOHNNY P. LILANG
Chief TSD / In-Charge, Office of the PENRO

**DENR PENRO
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June 3, 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 SIXTEEN (16) BY-CATCH HORSESHOE CRABS (*Tachypleus tridentatus*) IN SNAKE ISLAND NCMCR**

Respectfully submitted is the report on the turned-over of sixteen (16) by-catch horseshoe crabs in Snake Island- National Coastal and Marine Center for Research.

On June 1 & 2, 2022, fisherfolk turned over his by-catch of horseshoe crabs to on-duty staff on Snake Island with a total of sixteen (16) 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. Law Enforcement Officer Dionisio Mahilum Jr., a staff of Snake Island NCMCR, gathered the data on the turned-over horseshoe crabs. According to the data he gathered, on June 1, 2022, there were eleven (11) horseshoe crabs were turned over that caught by a 1000-meter net with a soaking time of 45 hours at the following coordinates 9°54'27"N 118°49'38"E, 9°54'38"N 118°49'50"E, and 9°54'55"N 118°50'8"E while on June 2, 2022, there were five (5) horseshoe crabs that caught by a 600-meter net with a soaking time of 45 hours at the following coordinates 9°54'35"N 118°49'27"E, 9°55'51"N 118°50'53"E, and 9°55'00"N 118°50'07"E. Morphometric parameters of each horseshoe crabs 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. During the measurement, Mr. Mahilum suspected that one of the by-catches with the code SIBCTT-79 was a recapture since it had a scratch on the right side of the carapace where the code tags were placed, but the tagged was unidentified. 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-65	Female	18.0	10.0	18.7	24.0	32.0	15.4	15.5	19.5	20.4	7.7	52.1
SIBCTT-66	Male	13.9	8.3	13.3	29.6	26.0	11.4	11.8	15.8	17.2	7.0	38.6



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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-67	Male	15.5	9.5	15.5	29.6	27.5	13.8	13.6	17.5	20.0	7.4	44.8
SIBCTT-68	Female	19.0	10.8	17.7	24.0	30.4	15.1	15.0	19.2	20.1	7.4	51.8
SIBCTT-69	Male	14.2	8.0	13.5	28.6	25.9	12.0	11.0	14.6	16.9	6.2	39.7
SIBCTT-70	Female	13.9	8.6	14.3	28.2	23.0	11.5	11.8	15.0	17.0	6.4	39.7
SIBCTT-71	Male	14.2	9.1	14.2	30.0	24.9	12.0	11.8	15.0	16.9	6.3	40.4
SIBCTT-72	Male	14.5	8.7	14.6	26.7	25.7	12.9	12.5	16.9	17.5	10.9	42.0
SIBCTT-73	Male	15.0	8.0	15.0	36.7	29.0	13.4	12.9	17.0	18.6	8.0	43.4
SIBCTT-74	Male	14.2	8.4	13.8	16.1	25.8	12.7	12.0	16.0	16.7	7.4	40.7
SIBCTT-75	Male	14.7	8.7	14.4	14.3	25.2	12.6	12.4	15.6	16.9	7.1	41.7
SIBCTT-76	Female	18.3	10.9	18.5	32.5	31.5	16.4	16.4	21.0	21.4	7.9	53.2
SIBCTT-77	Male	15.7	9.0	15.4	33.3	27.3	13.1	13.7	17.1	19.2	7.5	44.2
SIBCTT-78	Male	14.2	6.8	13.5	29.0	26.3	11.5	11.8	15.4	17.0	6.8	39.2
SIBCTT-79 (R-Un)	Male	14.1	8.8	14.3	26.8	25.4	12.0	12.0	15.5	17.3	6.2	40.4
SIBCTT-80	Female	17.7	9.4	17.0	35.7	29.9	14.5	14.5	17.7	20.1	6.7	49.2

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:

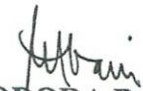
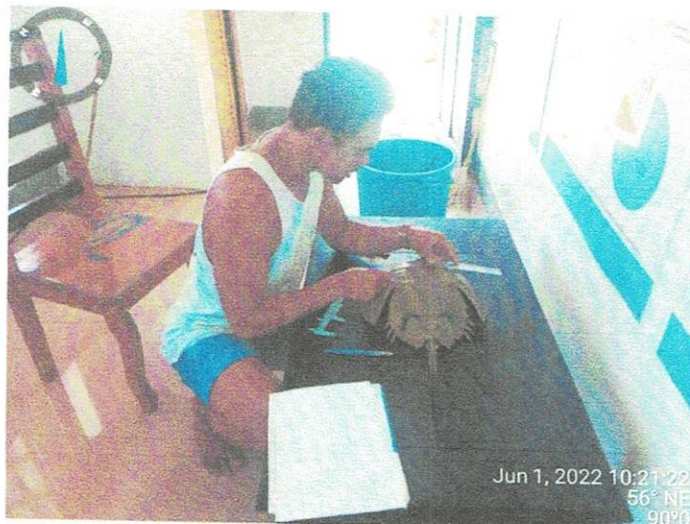

RHODORA B. UBANI
Chief, CDS/SIMO



PHOTO DOCUMENTATION



Law Enforcement Officer Dionisio Mahilum Jr., measures the Telson (TEL) (left) and Carapace width (CW) (right) of Horseshoe Crab



Law Enforcement Officer Dionisio Mahilum Jr., Dionisio Mahilum Jr., scratches the carapace for tagging (left) and writes the code tag on the scratched area (right)