



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
E-mail: penropalawan@denr.gov.ph
Telfax No. (048) 433-5638 / (048) 433-5638



MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA
1515 DENR By the Bay Building, Roxas Blvd.
Barangay 668, Ermita, Manila

THRU : The Assistant Regional Director for
Technical Services

FROM : The Provincial Environment and
Natural Resources Officer

SUBJECT : **REPORT ON TURNED-OVER OF FOURTEEN (14) BY-CATCH
HORSESHOE CRAB IN MEARA ISLAND, HONDA BAY**

Respectfully submitted the Memorandum dated November 18, 2022 from Marine Biologist Genesis Z. Ustares regarding the above-mentioned subject.

As per report, a fisherman named Mr. Ronald A. Reyes a resident of Brgy. Tagburos, turned over his by-catch of horseshoe crabs caught on Meara Island near Snake Island to on-duty staff on Snake Island with a total of fourteen (14) individuals and conducted data collection and other proper actions.

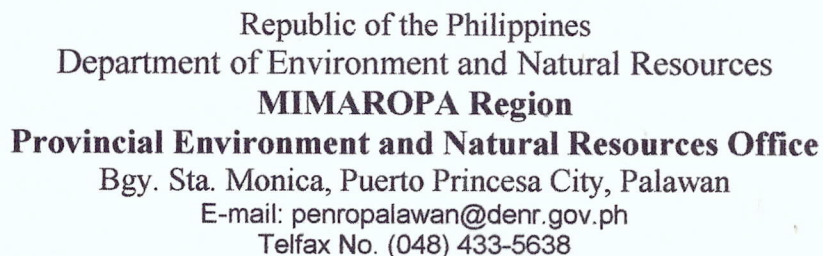
Attached is the copy of the report with the data collected on morphometric parameters, details on by-catch, and the photo documentation. Furthermore, the attached data will be forwarded to ERDB-CRERDEC as of the continuing data collection on their horseshoe crab study.

For information and record.



[Signature]
FELIZARDO B. CAYATOC
[Signature]

DENR-PALAWAN
PENRO-RECORDS
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By *[Signature]*
Date: *[Signature]* CN 22-3154
23 NOV 2022



Morphometrics Parameters	SIBCTT-109 (Female) (cm)	SIBCTT-110 (Male) (cm)	SIBCTT-111 (Female) (cm)	SIBCTT-112 (Female) (cm)	SIBCTT-113 (Female) (cm)
Prosomal Length (PL)	16.3	13.8	10.9	10	9.8
Prosomal Width (PW)	26.1	26	18.6	17	17.2
Telson Length (TEL)	23.1	25	22.4	18.1	19
Intraocular Distance (IO)	15	14.6	11	9.5	9.6
Carapace Length (CL)	28.9	28.1	22.3	19.5	19.2
Opisthosomal Length (OL)	12.6	14.3	11.4	9.5	9.4
Opisthosomal Width (OW-1)	14.5	13.2	9.8	9.1	9
Opisthosomal Width (OW-2)	15.9	16	12	11	11.3
Opisthosomal Width (OW-3)	16.6	17.2	13.6	12.1	12.3
Anal Angle (AA)	6.5	7.5	5.6	4.5	4.9
Total Length (TL)	52	53.1	44.7	37.6	43.2



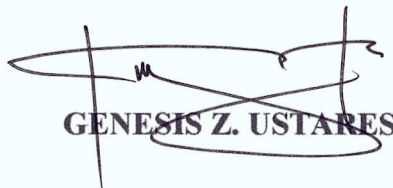
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Morphometrics Parameters	SIBCTT-114 (Female) (cm)	SIBCTT-115 (Female) (cm)	SIBCTT-116 (Female) (cm)	SIBCTT-117 (Female) (cm)	SIBCTT-118 (Male) (cm)
Prosomal Length (PL)	11.5	7.8	8.5	9	11.5
Prosomal Width (PW)	19.5	14.8	15.2	17.3	22.5
Telson Length (TEL)	24	16	12.2	14.8	20.6
Intraocular Distance (IO)	11.2	8	8.5	8.8	11.5
Carapace Length (CL)	23.7	15.8	18.4	18.5	23.5
Opisthosomal Length (OL)	12.2	8	9.9	9.5	12
Opisthosomal Width (OW-1)	10.3	7.4	8.1	7.9	10.8
Opisthosomal Width (OW-2)	13.2	9.1	10.2	9.8	13
Opisthosomal Width (OW-3)	15	10.4	11.5	11.4	14.6
Anal Angle (AA)	5.6	4	4.4	4.5	5.8
Total Length (TL)	47.7	31.8	30.6	33.3	44.1

Morphometrics Parameters	SIBCTT-119 (Male) - <i>damaged</i> <i>carapace</i> (cm)	SIBCTT-120 (Female) (cm)	SIBCTT-121 (Male) (cm)	SIBCTT-122 (Male) (cm)
Prosomal Length (PL)	13.4	8.8	13.6	13.5
Prosomal Width (PW)	23.5	16	23.9	24.6
Telson Length (TEL)	26.2	19.2	27	26
Intraocular Distance (IO)	12.4	8.9	13.7	13.2
Carapace Length (CL)	26.5	17.6	26	26.6
Opisthosomal Length (OL)	13.1	8.8	12.4	13.1
Opisthosomal Width (OW-1)	11.1	8.1	11.8	11.1
Opisthosomal Width (OW-2)	13.6	9.8	15	15
Opisthosomal Width (OW-3)	15.3	11.3	16.1	16.5
Anal Angle (AA)	5.8	7.4	6.5	6.2
Total Length (TL)	52.7	36.8	53	52.6

The said 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:

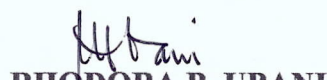

RHODORA B. UBANI
 Chief, CDS/SIMO



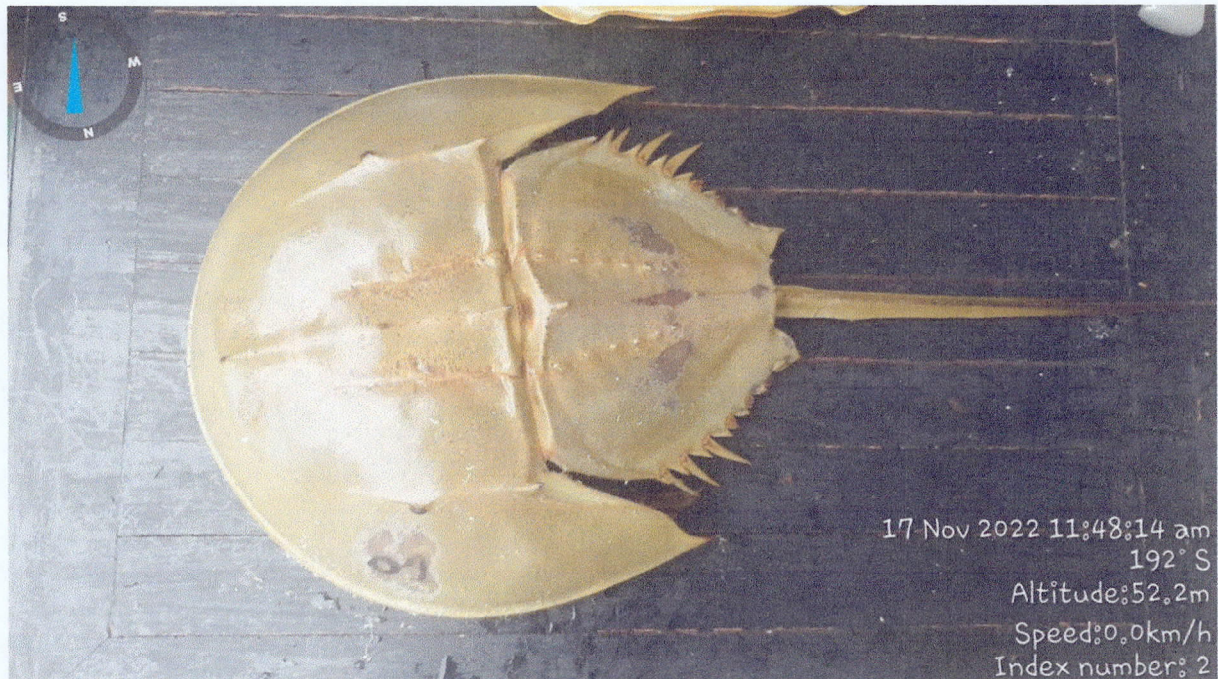
PHOTO DOCUMENTATION



Messrs. Monticod, Masacal and the undersigned gathering the morphometrics parameters of Horseshoe crab



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17 Nov 2022 11:48:14 am
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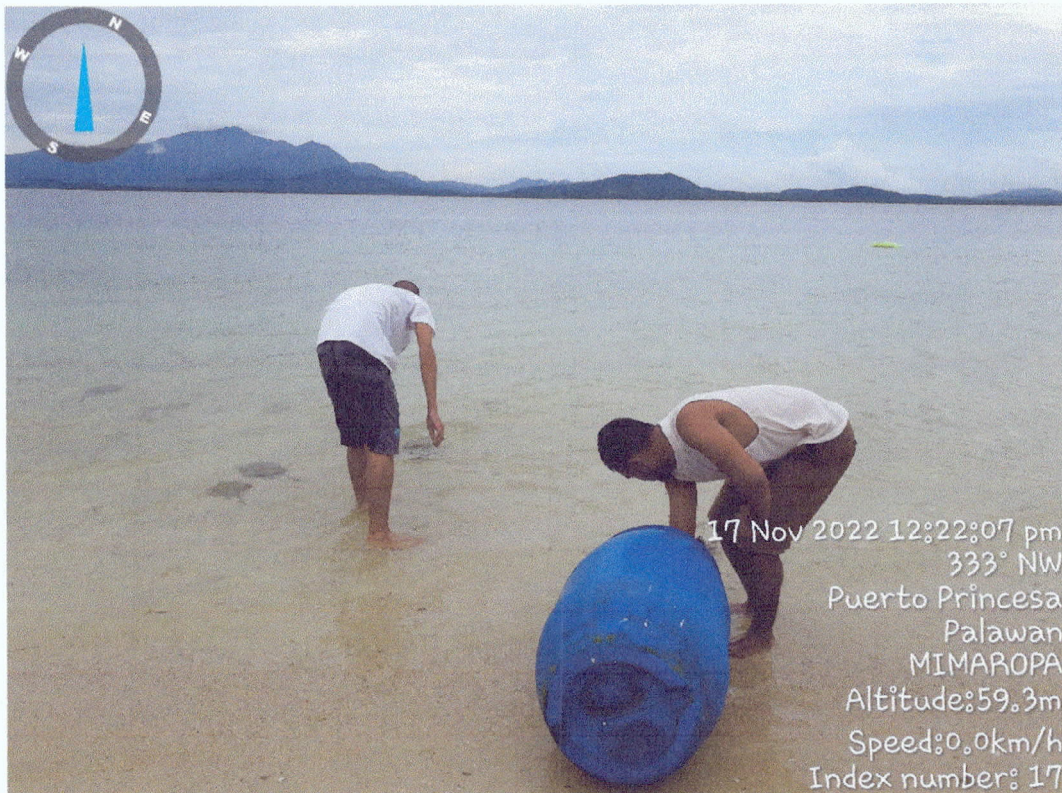


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Palawan
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Photos of Horseshoe crab before releasing back to the sea



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Mr. Masacal and the undersigned releasing the by-catch horseshoe back to sea