



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

October 17, 2022

MEMORANDUM

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

THRU : The OIC, ARD for Technical Services

FROM : The Provincial Environment and
Natural Resources Officer

SUBJECT : **3RD QUARTER NARRATIVE REPORT ON COASTAL AND
MARINE ECOSYSTEMS MANAGEMENT PROGRAM
(CMEMP) OF MALAMPAYA SOUND PROTECTED
LANDSCAPE AND SEASCAPE (MSPLS), TAYTAY-SAN
VICENTE, PALAWAN**



Forwarded is the memorandum dated October 6, 2022 of CENRO Taytay along with the 3rd quarter report of Malampaya Sound Protected Landscape and Seascape (MSPLS) for Coastal and Marine Ecosystems Management Program (CMEMP) that serves as **Means of Verification (MOV)** to the target activity under Management of Coastal and Marine Resources/Areas.

Report revealed that the PAMO-MSPLS conducted the activities under the Coastal and Marine Ecosystems Management Program (CMEMP) such as the monitoring of corals, seagrass, and mangroves, maintenance and protection – patrolling, conduct of regular habitat surveys, repair and maintenance of equipment and the conduct of direct activities within Malampaya Sound Protected Landscape and Seascape (MSPLS).

For information and record.



[Signature]
FELIZARDO B. CAYATOC

DENR-PALAWAN
PENRO-RECORDS
RELEASED
By *[Signature]*
Date: **18 OCT 2022** CN **22-2755**



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

COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE

By the National Highway, Poblacion, Taytay, Palawan 5312

Mobile: 0926-505-9335 TM 0912-171-3889 TNT

Email: cenrotaytay@denr.gov.ph

October 6, 2022

MEMORANDUM

FOR : The Provincial Environment and Natural Resources Officer- Palawan
Sta. Monica, Puerto Princesa City

FROM : The Community Environment and Natural Resources Officer
This jurisdiction

SUBJECT : **3RD QUARTER NARRATIVE REPORT ON COASTAL AND
MARINE ECOSYSTEM MANAGEMENT PROGRAM (CMEMP)
OF MALAMPAYA SOUND PROTECTED LANDSCAPE AND
SEASCAPE (MSPLS), TAYTAY-SAN VICENTE, PALAWAN**

Respectfully forwarded is the memorandum dated October 4, 2022 of Protected Area Superintendent (PASu) Clarissa P. Pador being an accomplishment and Means of Verification (MoV) on the target activity under item 8, Hiring of CMEMP Extension Officer of Management of Coastal and Marine Resources/Areas of Malampaya Sound Protected Landscape and Seascape (MSPLS), Taytay-San Vicente, Palawan.

Please acknowledge the receipt hereof. Thank you.

For and in the absence of the CENRO:

MARIANO P. LILANG, JR.
Development Management Officer IV
In Charge, Office of the CENRO

**DENR CENRO
TAYTAY, PALAWAN
RELEASED**

BY:
DATE: OCT 07 2022

Cc: PAMO-MSPLS



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
PROTECTED AREA MANAGEMENT OFFICE
MALAMPAYA SOUND PROTECTED LANDSCAPE AND SEASCAPE (MSPLS)
Taytay-San Vicente, Palawan
Barangay Old Guinlo, Taytay, Palawan
Email add: pamomspls@gmail.com/Contact #: 0938-786-3728 (SMART)



**DENR CENRO
TAYTAY, PALAWAN
RECEIVED**

October 3, 2022

MEMORANDUM

BY: RMC
DATE: OCT 06 2022 CN: 5751

FOR : The Community Environment and Natural Resources Officer
Taytay, Palawan

FROM : The Protected Area Superintendent
Malampaya Sound Protected Landscape and Seascape (MSPLS)
Taytay-San Vicente, Palawan

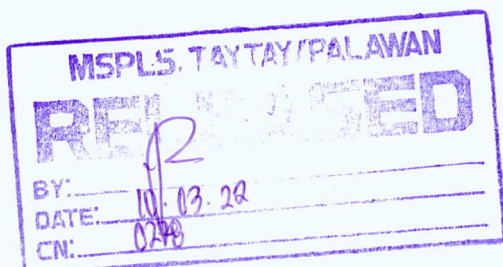
SUBJECT : **3RD QUARTER NARRATIVE REPORT ON COASTAL AND
MARINE ECOSYSTEM MANAGEMENT PROGRAM (CMEMP)
OF MALAMPAYA SOUND PROTECTED LANDSCAPE AND
SEASCAPE (MSPLS), TAYTAY-SAN VICENTE, PALAWAN**

This pertains to the target activity on the Maintenance and Protection of Coastal and Marine Ecosystem (e.g. reduction of threats and enforcement) under 001 Management of Coastal and Marine Resources/Areas of Malampaya Sound Protected Landscape and Seascape (MSPLS), Taytay-San Vicente, Palawan.

Respectfully forwarded is the memorandum dated October 3, 2022 of CMEMP Extension Officer Maria Lilibeth E. Arojo concerning the above subject. Attached is the narrative report, accomplished template and photo documentation of the said target activities.

For his information and record.

Clarissa B. Pador
CLARISSA B. PADOR





Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
PROTECTED AREA MANAGEMENT OFFICE
MALAMPAYA SOUND PROTECTED LANDSCAPE AND SEASCAPE (MSPLS)
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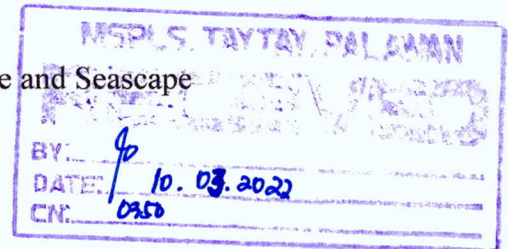
October 3, 2022

MEMORANDUM

FOR : The Protected Area Superintendent
Malampaya Sound Protected Landscape and Seascape
Taytay, Palawan

FROM : CMEMP Extension Officer
MSPLS, Taytay, Palawan

SUBJECT : **NARRATIVE REPORT ON THE COASTAL AND MARINE
ECOSYSTEMS MANAGEMENT PROGRAM FOR MALAMPAYA
SOUND PROTECTED LANDSCAPE AND SEASCAPE (MSPLS),
TAYTAY-SAN VICENTE, PALAWAN.**



In compliance with the target activity on the Marine Protected Area Strengthening and Networking under Management of Coastal and Marine Resources/Areas for Malampaya Sound Protected Landscape and Seascape (MSPLS), Taytay, Palawan for the 3rd quarter CY 2022.

Respectfully submitted is the template of the following activities on the above mentioned subject:

- a. Monitoring of corals, mangroves and seagrass
- b. Maintenance and Protection
 - Patrolling
 - Conduct of regular habitat surveys
 - Repair and maintenance of equipment (i.e speedboat)
 - Conduct of direct activities

Attached is the copy of narrative report with template and photo documentation.

For information and record.

MARIA LILIBETH E. AROJO



**COASTAL AND MARINE ECOSYSTEM MANAGEMENT PROGRAM
NARRATIVE REPORT**

Protected Area: Malampaya Sound Protected Landscape and Seascape (MSPLS),
Taytay-San Vicente, Palawan

I. PHYSICAL ACCOMPLISHMENT

**Component 1: MPA/MPA Strengthening and Networking under Management of
Coastal and Marine Resources/Areas**

A. Monitoring of corals, mangroves and seagrass

Corals

Number of hectares Targeted: 962.62 has
Total Hectares Assessed/Monitored: 246.18 has

LOCATION (Province/Municipality/Barangay)	NUMBER OF HECTARES ASSESSED/MONITORED	CONDITION	THREATS IDENTIFIED
Malampaya Sound Protected Landscape and Seascape, Taytay, Palawan	246.18 has (Based on actual ground truthing conducted for CY 2022)	Good	<ul style="list-style-type: none">• Mild Coral Bleaching• Destructive practices using cyanide

The PAMO-MSPLS conducted ground truthing on coral areas within the jurisdiction of MSPLS, Taytay, Palawan on July to August 2022. The team identified the extent of the habitat and navigated through the contours. Using GPS, the coordinates were recorded ensuring a 3 to 9 meter accuracy. These coordinates were processed and analyzed using ArcGIS. Based on the maps generated the actual total area for corals is 246.18 hectares. During the conduct of the activity there are sightings of mild coral bleaching and destructive practices using cyanide within the coral area of Bgy. San Jose, Taytay, Palawan.

Observation: Actual ground truthing resulted to low coral cover than the previous data conducted by Western Philippines University on CY 2017-2018.

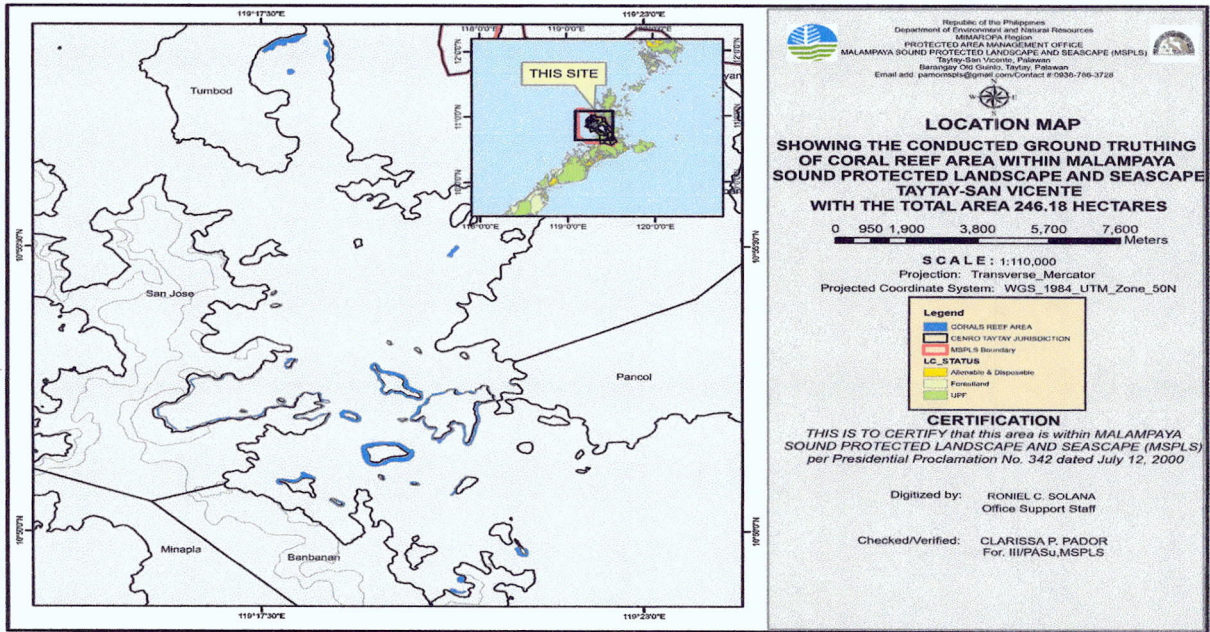


Figure I. Map showing the coral reef area within the jurisdiction of MSPLS.



Mangroves

Number of hectares Targeted: 3,063.81 has
Total Hectares Assessed: 3,337.48 has

LOCATION (Province/Municipality/Barangay)	NUMBER OF HECTARES ASSESSED	CONDITION	THREATS IDENTIFIED
Malampaya Sound Protected Landscape and Seascape, Taytay, Palawan	3,337.48 has (Based on actual ground truthing conducted for CY 2022)	Good	<ul style="list-style-type: none">• Mangrove cuttings• Settlement

The PAMO-MSPLS conducted ground truthing on mangrove within the jurisdiction of MSPLS with a total area of 3,337.48 hectares.

Observation: Mangrove cuttings and portion of it used as settlement are threats observed during the activity.

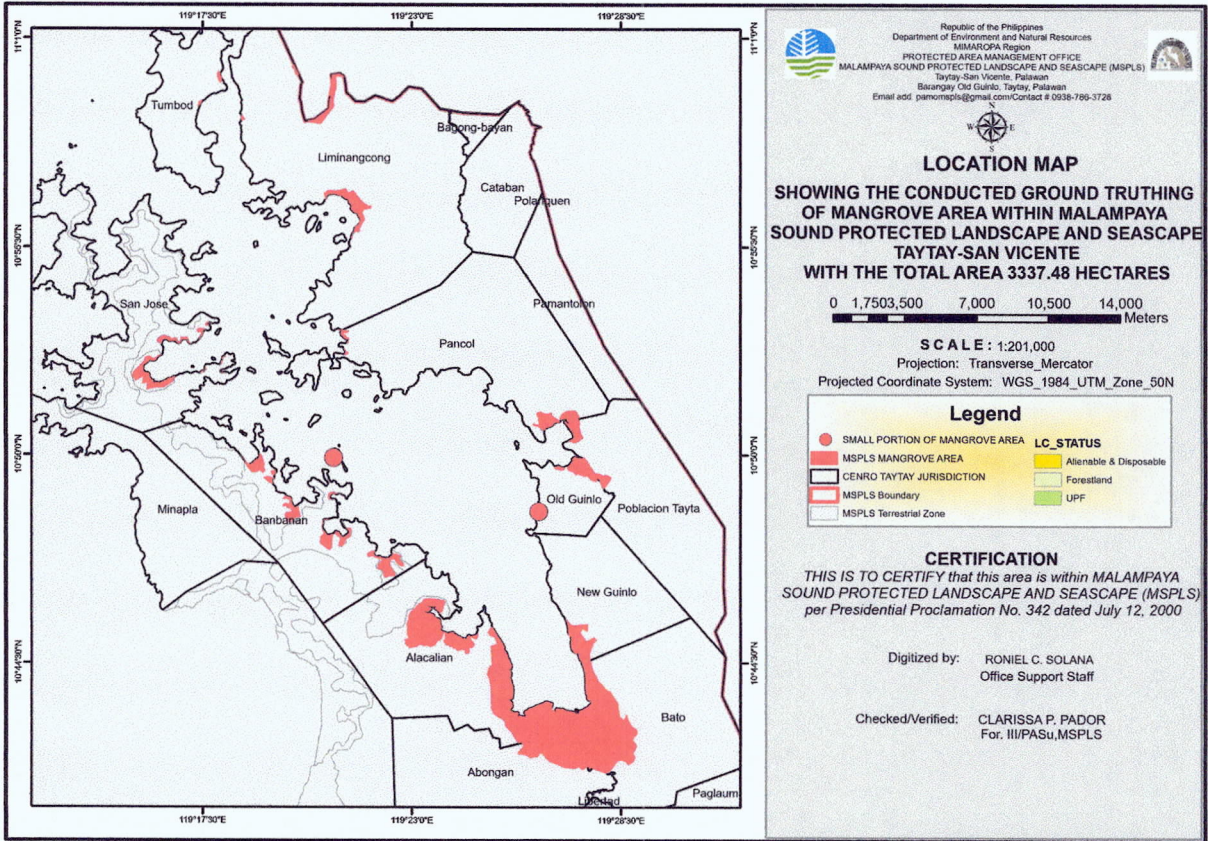


Figure II. Map showing the mangrove areas within the jurisdiction of MSPLS

To further protect and conserve the existing condition of the mangrove, regular patrolling and monitoring in the area in coordination with BLGU's is highly to prevent the illegal activities.

Seagrass

Number of hectares Targeted: 1,267.867 has
Total Hectares Assessed: 117.06 has



LOCATION (Province/Municipality/Barangay)	NUMBER OF HECTARES ASSESSED	CONDITION	THREATS IDENTIFIED
Malampaya Sound Protected Landscape and Seascape, Taytay, Palawan	117.06 has (Based on actual ground truthing conducted for CY 2022)	Good	None
		Good	None

The PAMO-MSPLS conducted ground truthing on seagrass within the jurisdiction of MSPLS with a total area of 117.06 hectares.

Observation: Actual ground truthing resulted to decreasing of seagrass cover than the previous data conducted by Western Philippines University on CY 2017. As per review of the result of their assessment, the area covered include outside the Protected Area that resulted to the larger target (hectares)

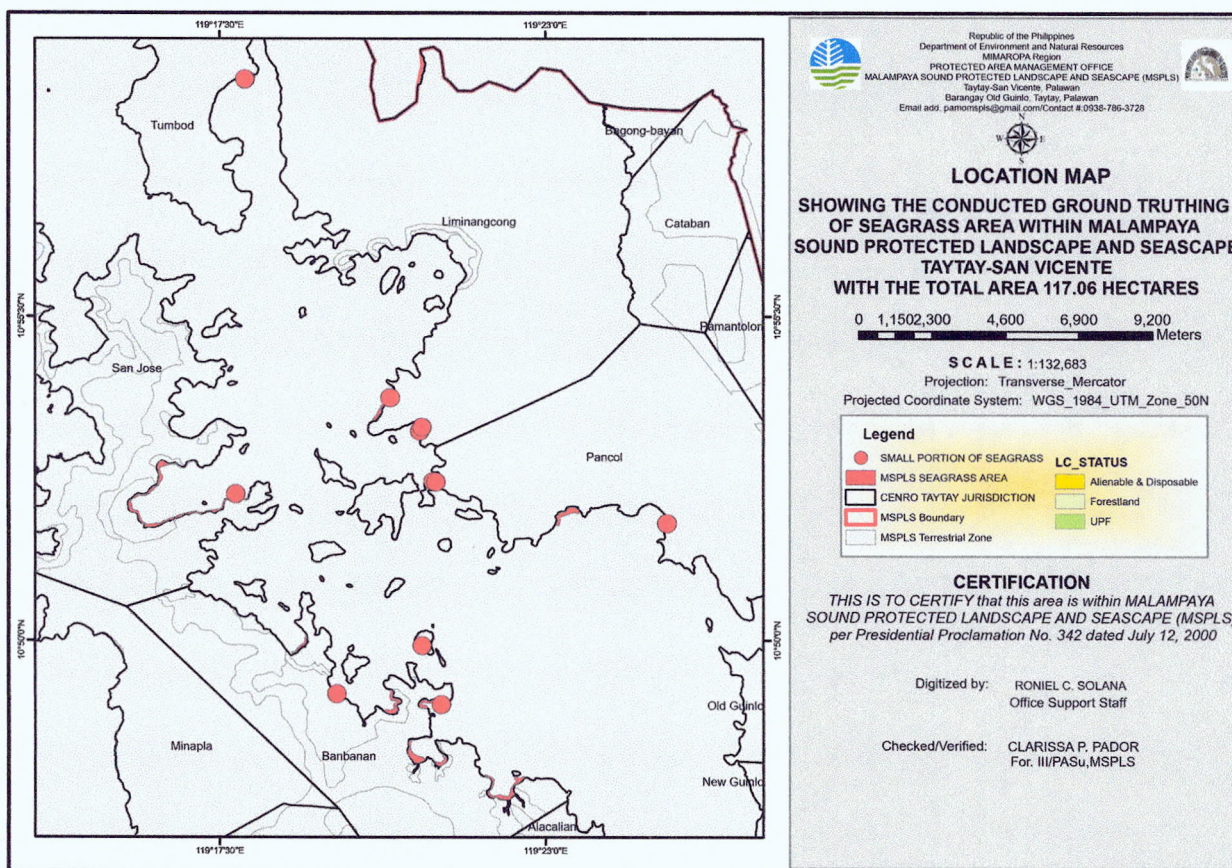


Figure III. Map showing the seagrass areas within the jurisdiction of MSPLS.

Awarenes raising through intensive Information Education and Communcation (IEC) campaign on the role of seagrasses in the marine ecosystem, their significant contribution to fisheries and their ecological functions is necessary to maintain and protect the current condition of this habitats.

B. Maintenance and Protection of Coastal and Marine Ecosystems

1. Patrolling

Areas Patrolled Municipality/ Barangay/ General Location within PA	Frequency	Number of Hectares covered
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Outer Malampaya Sound	Monthly	79,630 has
Inner Malampaya Sound	Monthly	

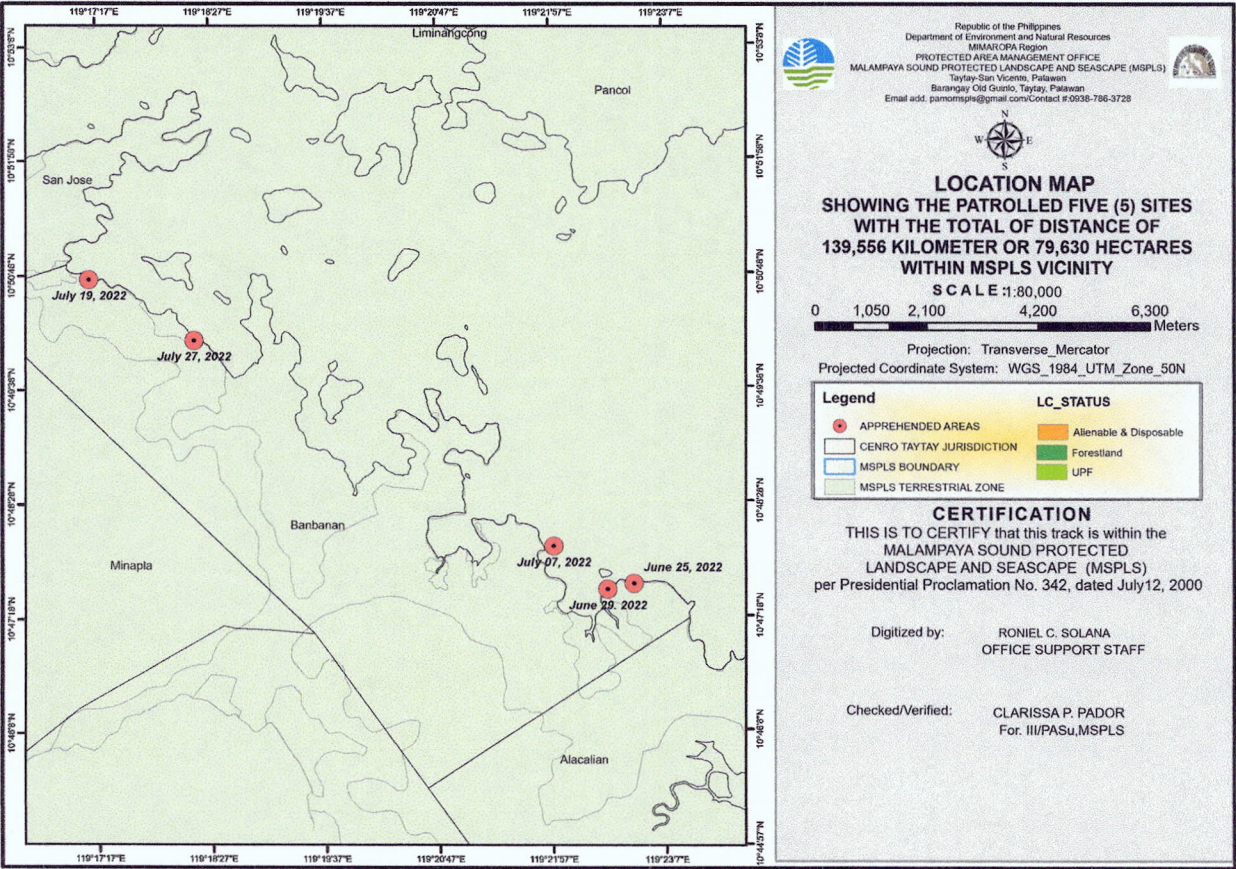


Figure IV. Map showing the location of patrolled areas within MSPLS.

Three (3) personnel hired under the target to augment the law enforcement in the protected area together with the Forest Product Monitoring Station (FPMS) VI in weekly basis particularly in the marine areas of MSPLS. Major threats observed during the period were the rampant illegal cutting of trees and trawl fishing. A total of six (6) apprehensions were conducted. Abandoned lumbers were recommended for forfeiture order in favor of the government. Moreover, other apprehended items had already undergone administrative hearing subject for review and evaluation of higher Office for appropriate action based on the statement of the offenders. The said issues and concerns were presented to Protected Area Management Board (PAMB) of MSPLS for comments and guidance of crafting policies for MSPLS.

Strengthened the law enforcement activities through coordination to the Protected Area Management Board (PAMB), Barangay LGU's and other law enforcers group to combat illegal activities.

- 2. Response Plan
- 3. Threats observations

ACTIVITIES CONDUCTED					
PA	Patrolling	Response Plan	Threats observed	Direct activities conducted	Equipments maintained
Malampaya Sound Protected Landscape	Regular seaborne patrol (day and night)	N/A	<ul style="list-style-type: none">Illegal cutting of tressIllegal	Coastal clean-up	1 speedboat under repair



and Seascape	6 apprehensions; no case filed		fishing using trawl net		
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2. Conduct of regular habitat surveys

The activity was conducted during ground truthing within the habitats of corals mangroves and seagrass within MSPLS. During the monitoring, there are sightings of mild coral bleaching, destructive fishing practices using cyanide and improper disposal of garbage. No damage/threats were observed in the mangrove and seagrass areas. The identified threats will be presented to the Protected Area Management Board (PAMB) of MSPLS for intervention and passing of resolution.

Awareness raising through Information Education Communication (IEC) campaign on the role of mangroves and seagrass is a single system towards keeping coastal zones healthy and as provider of essential habitat to the marine species.

3. Maintenance of equipment

Inventory of Equipments

Equipment	Number of Units	Year acquired/developed	Date last maintained	Condition
Speedboat	1	May 7, 2019	February 5, 2021	The speedboat was burned down with report submitted. Currently, the said speedboat is being repaired at Puerto Princesa City.

4. Conduct of direct activities

Coastal clean-up	The PAMO-MSPLS conducted coastal clean-up activity at Bgys. Tumbod and Old Guinlo, Taytay, Palawan. A total of 61.5 kg of garbage were collected during the conduct of the activity within the area which consist of biodegradable and non-biodegradable waste materials. The collected garbage/waste was properly segregated and transferred in the Material Recovery Facility (MRF) of Barangay Old Guinlo Taytay, Palawan.	Continuous conduct of Information Education Campaign (IEC).
Crown of Thorns	No extraction of crown of thorns (COTs) recorded for the quarter.	



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Email add: pamomspls@gmail.com/Contact #: 0938-786-3728 (SMART)



PROGRAM SUPPORT

Performance Indicator: Coastal Extension Officer hired
Target CEO for CY 2022

CEO Name	Sex	Mobile Number	Email address	Components assigned	Major accomplishment/output/Contribution to CMEMP implementation
Maria Lilibeth E. Arojo	Female	09269424489	arojobeth@gmail.com	<ul style="list-style-type: none">Monitoring of corals, mangroves and seagrass;Maintenance and protection of coastal and marine ecosystems.	<ul style="list-style-type: none">Facilitated the conduct of ground truthing, mapping, assessment and monitoring on the target sites.Facilitated the preparation of reports and other documents.



PHOTO DOCUMENTATION

I. Ground truthing (Corals, Mangroves and Seagrass)

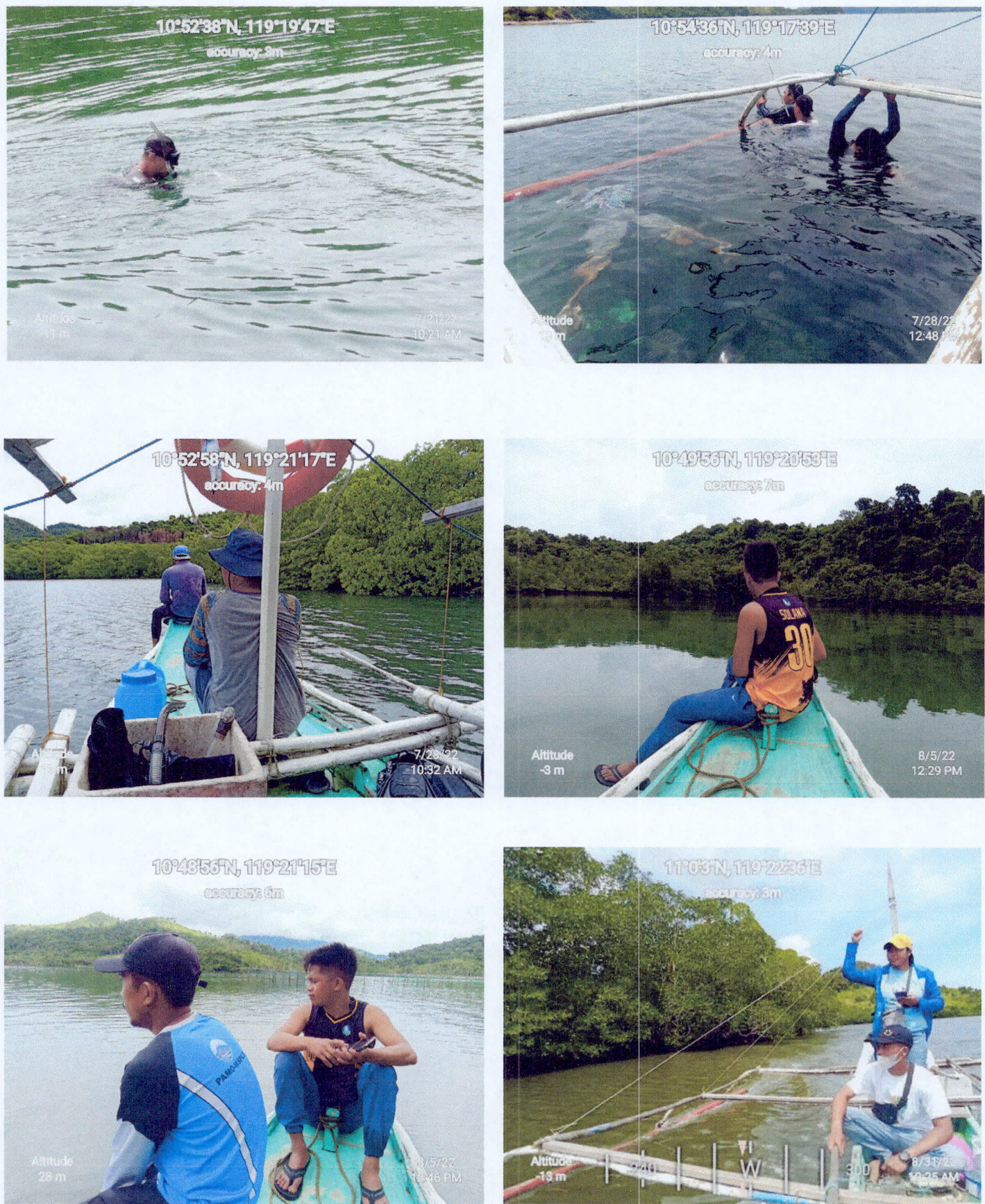


Figure I. The PAMO-MSPLS conducted ground truthing within the habitats of corals, mangroves and seagrass.



II. Maintenance and protection of coastal and marine ecosystems

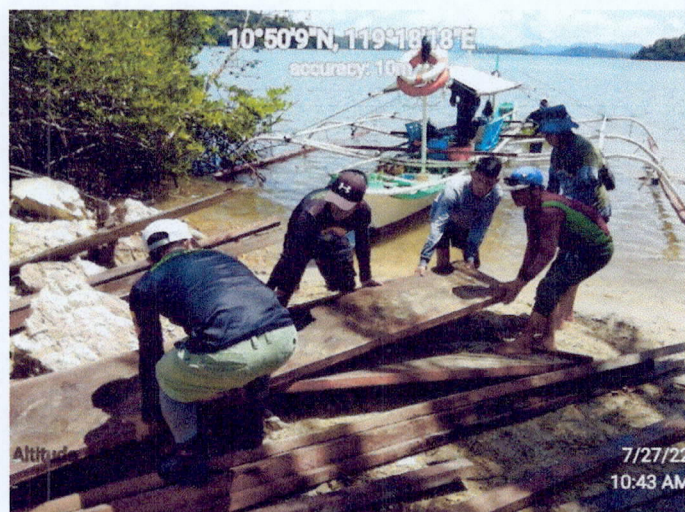
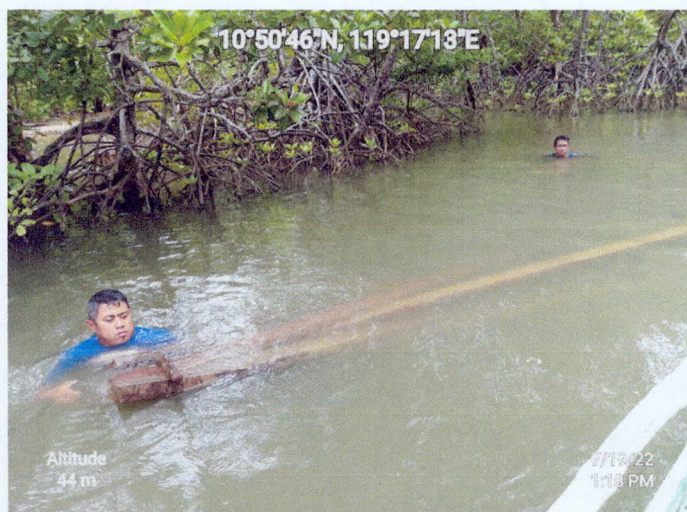


Figure II. The PAMO-MSPLS personnel during the conduct of patrolling within MSPLS.



Figure III. The PAMO-MSPLS personnel during the conduct of regular habitat survey within MSPLS.



Figure IV. The PAMO-MSPLS personnel during the conduct of direct activities within MSPLS.

I hereby certify that the above photos are true and correct and was taken during the conduct of activities within MSPLS under CMEMP target for CY 2022.

MARIA LILIBETH E. AROJO