

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: <u>penropalawan@denr.gov.ph</u> Telfax No. (048) 433-5638 / (048) 433-5638

July 06, 2022

I INC MING

2022

DOUTGOING

DAT'S NO.

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

PROGRESS REPORT ON THE MONITORING OF

MANGROVES FOR MALAMPAYA SOUND PROTECTED LANDSCAPE AND SEASCAPE (MSPLS), TAYTAY- SAN

VICENTE, PALAWAN

Forwarded is the memorandum dated June 26, 2022 of CENRO Taytay along with the progress report on the monitoring of mangroves within Malampaya Sound Protected Landscape and Seascape (MSPLS) pertaining to the target activity under Management of Coastal and Marine Resources/Areas of Malampaya Sound Protected Landscape and Seascape (MSPLS) – Monitoring of Mangroves.

Please be informed that the PAMO-MSPLS conducted initial mangrove assessment/monitoring within Sitio Balingbing, Barangay Alacalian, Taytay, Palawan and assessed a total of 31.87 hectares out of the estimated total land area of 70.00 hectares. Moreover, a total of thirteen (13) species were recorded as well as threats and pressures identified, such as sporadic mangrove cutting, domestic garbage, and fallen trees due to Typhoon Odette.

Attached are the report with maps and photo documentation during the conduct of the activity.

For information and record.



DENR-PALAWAN
PENRO-RECORDS
RELEASED

By
Date: 18 JUL 2022 42-1666



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

RECHIVED

June 10, 2022

MEMORANDUM

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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

PROGRESS REPORT ON THE MONITORING OF MANGROVES

FOR MALAMPAYA SOUND PROTECTED LANDSCAPE AND SEASCAPE (MSPLS), TAYTAY-SAN VICENTE, PALAWAN

Respectfully forwarding is the memorandum dated June 16, 2022 of Protected Area Superintendent (PASu) Clarissa P. Pador being an accomplishment and **Means of Verification** (**MoV**) on the target activity of Monitoring of Corals, Mangroves and Seagrass under 001 Management of Coastal and Marine Resources/Areas of Malampaya Sound Protected Landscape and Seascape (MSPLS). Taytay-San Vicente, Palawan.

The undersigned concurred with the recommendation of PAMO-MSPLS to conduct the regular patrol and monitoring on the mangrove areas in coordination with the Barangay LGUs and other partner law enforcement agencies to prevent the illegal activities.

For his information and record.

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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)



June 16, 2022

MEMORANDUM

:

The Community Environment and Natural Resources Officer

Taytay, Palawan

FROM

FOR

Protected Area Superintendent

Malampaya Sound Protected Landscape and Seascape (MSPLS)

Taytay-San Vicente, Palawan

SUBJECT:

PROGRESS REPORT ON THE MONITORING OF MANGROVES

FOR MALAMPAYA SOUND PROTECTED LANDSCAPE AND SEASCAPE (MSPLS), TAYTAY-SAN VICENTE, PALAWAN

This pertains to the target activity on the Monitoring of Corals, Mangroves and Seagrass 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 June 16, 2022 of CMEMP Extension Officer Maria Lilibeth E. Arojo concerning the above subject. Please be informed that a total of 2,203.4 hectares was recorded during the conduct of ground truthing in the mangroves areas of Barangays Alacalian, Abongan, Bato and New Guinlo, Taytay, Palawan.

Be informed further that this Office conducted the initial mangrove assessment/monitoring within Sitio Balingbing, Barangay Alacalian, Taytay, Palawan and assessed a total of 31.87 hectares out of the estimated total land area of 70.00 hectares. Likewise, during the assessment, a total of thirteen (13) species were recorded as well as threats and pressures identified such as sporadic mangrove cutting, domestic garbage and fallen trees due to Typhoon Odette.

Hence, this Office recommends the regular patrol and monitoring on the mangrove areas in coordination with the Barangay LGUs and other partner law enforcement agencies to prevent the illegal activities.

For his information and record.

MSPLS TAYTAY/PALAWAN

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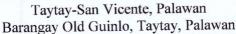
CLARISSA P. PADOR



Department of Environment and Natural Resources MIMAROPA Region

PROTECTED AREA MANAGEMENT OFFICE









June 16, 2022

MEMORANDUM

FOR

The Protected Area Superintendent

Malampaya Sound Protected Landscape and Seascape

Taytay, Palawan

FROM

CMEMP Extension Officer

MSPLS, Taytay, Palawan

SUBJECT

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PROGRESS REPORT ON THE MONITORING OF MANGROVES

FOR MALAMPAYA SOUND PROTECTED LANDSCAPE AND

SEASCAPE (MSPLS), TAYTAY-SAN VICENTE, PALAWAN.

This pertains to the target activity on the monitoring of corals, mangroves, and seagrass of Coastal and Marine Ecosystems Rehabilitation Sub-Program under Management of Coastal and Marine Resources/Areas for Malampaya Sound Protected Landscape and Seascape (MSPLS), Taytay, Palawan.

Please be informed that on April 8 to June 15, 2022 the undersigned together with Forest Ranger Ricardo S. Tandoc, FR Francis Abe G. Bose and PAMO-MSPLS personnel conducted ground truthing on mangrove areas of Barangays Alacalian, Abongan, Bato and New Guinlo, Taytay, Palawan which aproximately have a total area of 2,203.4 hectares.

The team also conducted initial mangrove assessment/monitoring within Sitio Balingbing, Bgy. Alacalian, Taytay, Palawan. The area has an estimated land area of 70 hectares of which a total of 31.87 hectares was assessed and monitored. The team laid out 100 meters transect line from the shoreline of the 1st plot to landward with 100 meters interval in every quadrat. A 10 x 10 meters dimension and 2 x 2 meters quadrat was established in every transect. All species of mangroves present inside the plots were identified and recorded. A total of thirteen (13) species were identified in the aforesaid area. During monitoring, sporadic of mangrove cutting, domestic garbage and fallen trees due to typhoon Ondette were also noted.

Global Positioning System (GPS) was also utilized to take readings otherwise note the points of the location of each corner of the plot in the Landsat imagery.

The undersigned recommends regular patrolling and monitoring in the area in coordination with BLGU's to prevent the illegal activities.

Attached are the copy of result and photos during the conduct of the activity.

For information and record.

MARIA LILIBETH E. AROJO

I. RESULT AND DISCUSSION

Mapping

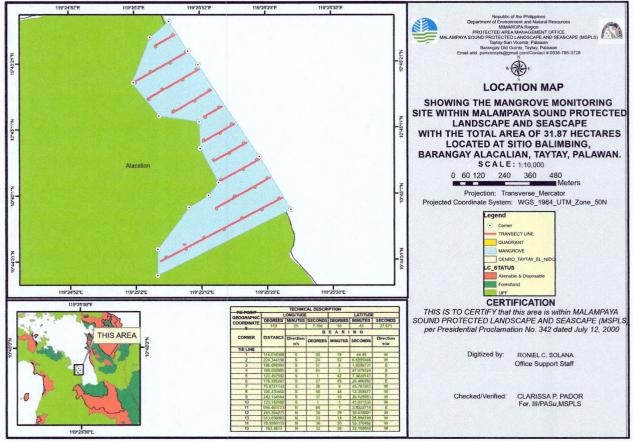


Figure I. The location of the sampling site at Sitio Balimbing, Bgy. Alacalian, Taytay, Palawan.

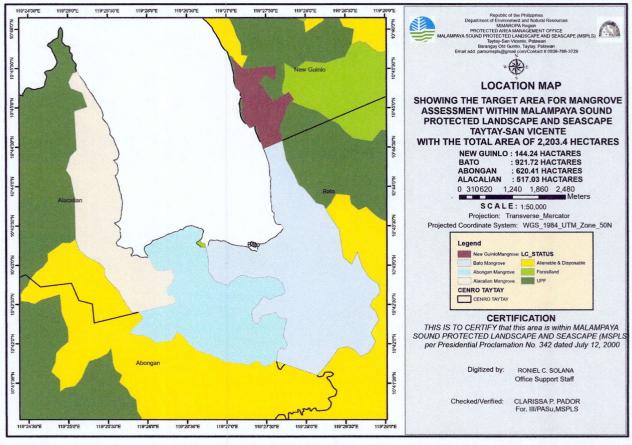


Figure II. The location of the mangrove areas in Bgys. New Guinlo, Bato, Abongan and Alacalian, Taytay, Palawan.

Mapping of mangrove was done through reading of GPS from way point and every mangrove inside the quadrant to end point of the area. The coordinates were recorded, ensuring a 3 to 9 meters accuracy. These coordinates was processed and analyzed using the works of Primavera et al.

Assessment (Sampling site)

The assessment was conducted in Sitio Pinagpala, Bgy. Alacalian, Taytay, Palawan situated at approximately 19°25'21" East Longitude and 10°44'58"N Latitude. It has an estimated land area of 70 hectares where 70% of the total land area are mangroves.



Figure III. Mangrove area in Sitio Balingbing, Bgy. Alacalian, Taytay, Palawan.

Data Analysis

Table I. Mangrove species in Sitio Pinagpala, Bgy. Alacalian, Taytay, Palawan.

Scientific Name	Local Name
1. Acanthus ebracteatus	Lagiwliw
2. Acrostichum speciosum	Palaypay
3. Bruguiera cylindrical	Pototan
4. Bruguiera gymnorrhiza	Pototan
5. Bruguiera sexangula	Pototan
6. Ceriops decandra	Baras-baras
7. Ceriops tangal	Tangal
8. Rhizophora apiculata	Bakaw lalaki
9. Rhizophora mucronata	Bakaw babae
10. Soneratia alba	Pagatpat
11. Xylocarpus granatum	Tabigi
12. Xylocarpus moluccensis	Piag-ao
13. Nypa fruticans	Nipa

There are 13 species of mangroves were recorded during assessment/monitoring in the area of Sitio Balingbing, Bgy. Alacalian, Taytay, Palawan.

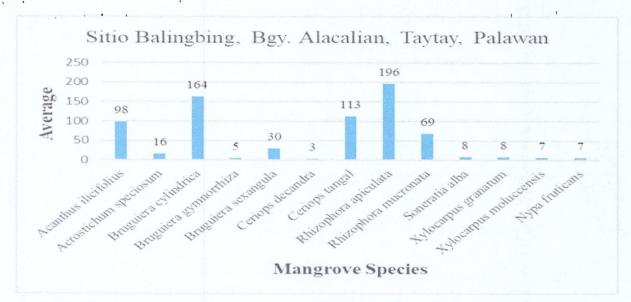


Figure IV. The average of mangrove species in Sitio Balingbing, Bgy. Alacalian, Taytay, Palawan

Figure IV shows the computed average of the different mangrove species noted in Sitio Balingbing, Bgy. Alacalian, Taytay, Palawan. The dominant mangrove species was *Rhizophora apiculata*, which had the highest average value of 196.

Photo Documentation

Based on the documentation conducted in the area the following are species found and recorded.



Acanthus ebracteatus



Rhizophora mucronata

Bruguiera cylindrica



Bruguiera gymnorrhiza



Bruguiera sexangula



Ceriops tangal



Xylocarpus granatum



Rhizophora apiculata



Nypa fruticans

Conclusion and recommendation

The mangrove area in Sitio Balingbing, Bgy. Alacalian, Taytay, Palawan is considered healthy marine ecosystem with occurrence of 13 mangroves species identified. Based on the assessment, the undersigned recommends regular patrolling and monitoring in the area in coordination with BLGU's to prevent the illegal activities.

Photo Documentation

















I hereby certify that the above photos are true and correct and was taken during the ground truthing and monitoring of mangroves within Bgys. Alacalian, Abongan, Bato and New Guinlo, Taytay, Palawan.

MARIA LILIBETH E. AROJO