



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

December 01, 2022

MEMORANDUM

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

THRU : The OIC, ARD for Technical Services

FROM : The Provincial Environment and
Natural Resources Officer

SUBJECT : **REPORT ON THE ATTENDED MEETING RE: MONITORING
OF CORALS, SEAGRASS AND MANGROVES**

Forwarded is the memorandum dated November 21, 2022 along with the report on the attended meeting re: monitoring of corals, seagrass and mangroves on October 10, 2022 at the PENRO Training Hall.

Please be informed that the said meeting was attended by PENRO CDS personnel, the Protected Area Management Office of Malampaya Sound Protected Landscape and Seascape and El Nido-Taytay Managed Resource Protected Area personnel, and Western Philippines University, represented by Mr. Joel Becira and Mr. Honorio Pagliawan.

For information and record.



[Signature]
FELIZARDO B. CAYATOC
[Initials]

DENR-PALAWAN
PENRO-RECORDS
RELEASED
By *[Signature]*
Date: 02 DEC 2022 CN 22-3239



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

**DENR CENRO
PALAWAN RECORDS
RECEIVED**

November 21, 2022

MEMORANDUM

BY: [Signature]
DATE: 11-24-2022 22-10831

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 : **MEETING ATTENDED ON THE MONITORING OF CORALS,
SEAGRASS AND MANGROVES**

Respectfully forwarded is the memorandum dated November 17, 2022 of Protected Area Superintendent (PASu) Mildred A. Suza of El Nido-Taytay Managed Resource Protected Area (ENTMRPA), El Nido, Palawan.

This report will serve as **Means of Verification (MoV)** on the target activity for meetings attended.

Please confirm the receipt hereof. Thank you.

For and in the absence of the CENRO:

[Signature]
MARIANO P. LILANG, JR.
Development Management Officer IV
Per DAO-2022-09, page 3

**DENR CENRO
TAYTAY, PALAWAN
RELEASED**

BY: [Signature]
DATE: NOV 21 2022 3413

Cc: PAMO-ENTMRPA



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
Community Environment and Natural Resources Office
EL NIDO-TAYTAY MANAGED RESOURCE PROTECTED AREA
Calle Real, Bgy. Masagana, El Nido, Palawan 5313
Email: entmrpa@gmail.com

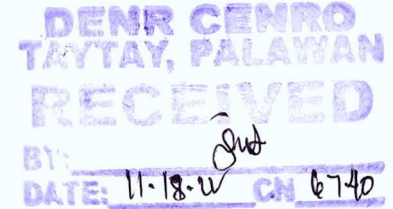
November 17, 2022

MEMORANDUM

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

FROM : The Protected Area Superintendent
El Nido - Taytay Managed Resource Protected Area

SUBJECT : REPORT ON THE ATTENDED MEETING REGARDING ENTMRPA-PAMO TARGET ON THE MONITORING OF CORALS, SEAGRASS, AND MANGROVES



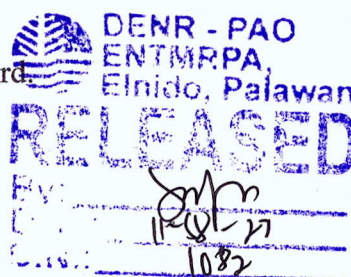
Respectfully forwarded is the memorandum dated October 14, 2022 of CMEMP Extension Officer Mariel M. Paladan regarding on the above subject.

Please be informed that personnel from this office attended the meeting on October 10, 2022 at the Provincial Environment and Natural Resources Office (PENRO) in compliance to the memorandum dated October 4, 2022 of CENRO Allan L. Valle re: Presentation of the result of the mapping and identification of mangroves, seagrass, and corals conducted in CY 2018 in El Nido Taytay-Managed Resource Protected Area (ENTMRPA) and Malampaya Sounds Protected Landscape and Seascape (MSPLS).

Based on the meeting which was attended by Mr. Joel Becira and Mr. Honorio Pagliawan of the Western Philippines University (WPU), the following are the findings and agreements, to wit:

1. No baseline assessment has been established for mangrove habitat, thus this office conducted baseline assessment since March 2022 to present for total of 67 hectares.
2. WPU had already conducted coral and seagrass assessment on 2018 with three (3) sampling stations every habitat, however the suggested number of sampling stations in seagrass is at least one sampling station is established for every 25 hectares of the habitat (BMB Technical Bulletin 2017-05), the ENTMRPA has a total of 521.83 hectares as per 2022 ground-truthing. Thus, this office will continue the assessment on seagrass with an additional of seventeen (17) sampling sites as a baseline assessment data that will be used for the selection of three (3) permanent monitoring stations.
3. This office had already conducted ground-truthing for corals and a total of 1,467.93 hectares was recorded. Based on the criteria mentioned in the Technical Bulletin 2019-04, 483 hectares only was considered for assessment and selecting of monitoring stations because of its present status.
4. In addition, the total area of seagrass as per 2017-2018 ground truthing (WFP-GAA) is 1,447.125, while only 521.83 hectares was recorded as per 2022 ground-truthing. According to Carlos M. Duarte, et. al, the likely primary cause of seagrass loss is reduction in water clarity, both from increased nutrient loading and increased turbidity. Run-off of nutrients and sediments from human activities on land has major impacts in the coastal regions where seagrasses thrive.

For information and record



MILDRED A. SUZA



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
Community Environment and Natural Resources Office
EL NIDO-TAYTAY MANAGED RESOURCE PROTECTED AREA
Calle Real, Bgy. Masagana, El Nido, Palawan 5313
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Email: entmrpa@gmail.com

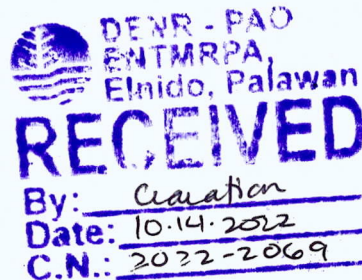
October 14, 2022

MEMORANDUM

FOR : The Protected Area Superintendent
El Nido - Taytay Managed Resource Protected Area

FROM : CMEMP Extension Officer
El Nido - Taytay Managed Resource Protected Area

SUBJECT : REPORT ON THE ATTENDED MEETING REGARDING ENTMRPA-PAMO TARGET ON THE MONITORING OF CORALS, SEAGRASS, AND MANGROVES



In compliance to the memorandum of CENRO Allan L. Valle dated October 4, 2022 re: Presentation of the Result of the Mapping and Identification of Mangroves, Seagrass, and Corals conducted in CY 2018 in the Protected Areas within this Jurisdiction.

Please be informed that the undersigned together with Protected Area Superintendent (PASu) Mildred A. Suza and Assistant Protected Area Superintendent (APASu) Jenuel P. Casel attended the meeting on October 10, 2022 at the Provincial Environment and Natural Resources Office (PENRO) attended by Mr. Joel Becira and Mr. Honorio Pagliawan of Western Philippines University (WPU). During the meeting the Protected Area Management Office (PAMO) of ENTMRPA concurred on the agreements to continue the baseline assessment conducted by WPU on 2018 for seagrass and corals habitat including the establishment of monitoring sites.

Meanwhile, there is no baseline assessment conducted yet for mangrove habitat, thus this office will continue to conduct baseline assessment and request to carry on the assessment until next year since the area is too large with a total of 1,278.03 hectares. In addition, the 2022 ground-truthing for corals habitat has a total of 1, 467.93 hectares, based on the Technical Bulletin 2019-04, only 483 hectares only was considered for assessment and selecting of monitoring stations, the remaining 984.93 hectares area consist of above 10 meters depth, cannot established 25x75 meters transect because of narrow reef slope, and patches of corals and sand.

For information and record.


MARIEL M. PALADAN

PHOTO DOCUMENTATION



CERTIFICATION

I hereby certify that the above photos were true and correct and taken on October 10, 2022 at the Provincial Environment and Natural Resources Office.


MARIEL M. PALADAN
CMEMP Extension Officer



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
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October 4, 2022

MEMORANDUM

TO : CDS Chief/PASu, MSPLS
PASu, ENTMRPA
APASu/PMF Jenuel P. Casel
EMS I Ana Liza D. Marasigan
FT II/Planning Officer Precy M. Obrique
CMEMP Extension Officers, MSPLS and ENTMRPA

FROM : The Community Environment and
Natural Resources Officer

SUBJECT : **PRESENTATION OF THE RESULT OF THE MAPPING AND
IDENTIFICATION OF MANGROVES, SEAGRASS AND CORALS
CONDUCTED IN CY 2018 IN THE PROTECTED AREAS WITHIN
THIS JURISDICTION**

This pertains to the target on the monitoring of corals, seagrass and mangroves for Malamapaya Sound Protected Landscape and Seascape (MSPLS) and El Nido-Taytay Managed Resource Protected Area (ENTMRPA). On October 10, 2022, a meeting will be held at the Provincial Environment and Natural Resources Office at 2:00 o'clock in the afternoon to present the result of the mapping and identification of mangroves, seagrass and corals conducted by Mr. Honorio Pagliawan and Mr. Joel Becira in CY 2018 in the said protected areas.

In line with this, you are hereby directed to be at the PENRO on the above-mentioned date and bring with you the shapefiles/result of your ground truthing activities.

Do not fail in the attendance. Thank you.

For in and the absence of the CENRO:

DENR CENRO
TAYTAY PALAWAN
RELEASED

BY: 2480
DATE: OCT 04 2022

MARIANO P. LILANG, JR.
Development Management Officer IV
In-charge, Office of the CENRO
DAO 2022-09, Page 3

10/4/22 Rosano