



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

April 24, 2023

MEMORANDUM

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

THRU : The OIC, ARD for Technical Services

FROM : The Provincial Environment and
Natural Resources Officer

SUBJECT : **1ST QUARTER NARRATIVE ACCOMPLISHMENT REPORT
FOR COASTAL AND MARINE ECOSYSTEM MANAGEMENT
PROGRAM (CMEMP) OF EL NIDO MARINE RESOURCE
PROTECTED AREA (ENMRPA), EL NIDO, PALAWAN FOR CY
2023**

Respectfully forwarded is the memorandum dated April 17, 2023 of CENRO Taytay, Palawan pertaining to the above subject that serves as **Means of Verification (MoV)** for target activities for CY 2023.

Please be informed that the activities conducted in ENMRPA includes Monitoring of Coastal Habitats (coral reefs, mangroves and seagrass) and Maintenance and Protection of Coastal and Marine Ecosystems (1. Habitat Surveillance of Threats and Damages, 2. Repair and Maintenance of Equipment).

For information and record.

For the PENRO

RONIE B. GANDEZA
DMO IV/OIC-CHIEF TSD
In-Charge, Office of the PENRO



DENR-PALAWAN
PENRO-RECORDS
RELEASED
By
Date 02 MAY 2023 CN 23-1189



Republic of the Philippines
Department of Environment and Natural Resources
Region IV- MIMAROPA
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE
by the National Highway, Poblacion, Taytay, Palawan 5312
Contact No.: 09265059335 (Globe) / 09121713889 (Smart)
Email address: cenrotaytay@denr.gov.ph

**DENR PENRO
PALAWAN RECORDS
RECEIVED**

April 17, 2023

MEMORANDUM

BY: [Signature]
DATE: APR 17 2023 CN 2-3505

FOR : The Provincial Environment and Natural Resources Officer- Palawan
FROM : The Community Environment and Natural Resources Officer
SUBJECT : **ACCOMPLISHMENT REPORT ON ACTIVITY PER WFP
El Nido Managed Resource Protected Area (ENMRPA)**

Activity: Hiring of CMEMP Extension Officer				
Performance Indicator: Number of Coastal Extension				
Frequency of submission: Quarterly report pertaining to the target activity under Coastal and Marine Ecosystem Program				
Current submission: Memo report of Assistant Protected Area Superintendent/PMF Jenuel P. Casel dated April 5, 2023 (CN 2423 in the eDATS) submitting the 1 st quarter narrative report of CMEMP Extension Officer for Protected Area Management Office of El Nido Managed Resource Protected Area (ENMRPA).				
Attachment: 1. Narrative Report of CMEMP E.O Mariel M. Paladan (5 pages) 2. Photo documentation				
Gender & Development (GaD) data	Male = 0	Female = 1	LGBTQ+ = 0	Prefer not to say = 0
Age Grouping	60 and above	18-59	17 and below	TOTAL
	0	1	0	1
Environmental Management System (EMS Compliance)	✓ Compliant to 5S organization techniques (SORT – keep only necessary items, SET IN ORDER – arrange items to promote efficient workflow, SHINE – clean the work area so it is neat and tidy, STANDARDIZE – set standards for a consistently organized workplace and SUSTAIN – maintain and review standard) ✓ PENRO Memo No. 2023-001 dated February 21, 2023			

This is our **Means of Verification (MoV)** on the activity. Please confirm your receipt hereof. Thank you.

**DENR PENRO
TAYTAY, PALAWAN
RELEASED**

APR 17 2023

CONRADO M. CORPUZ



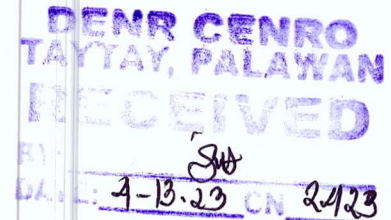
April 5, 2023

MEMORANDUM

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

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

SUBJECT : COASTAL AND MARINE ECOSYSTEM MANAGEMENT
PROGRAM (CMEMP) NARRATIVE ACCOMPLISHMENT
REPORT

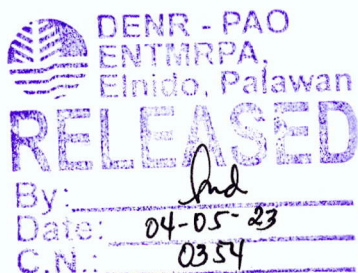


Respectfully submitted is the narrative accomplishment report on Coastal and Marine Ecosystem Management Program for the 1st quarter of CY 2023 of El Nido Managed Protected Area (ENMRPA) El Nido, Palawan.

Please be informed that the report comprises the physical accomplishment which includes monitoring of coastal habitat under Marine Protected Area and Networking, also includes the habitat surveillance of threats and damages, direct activities, and repair and maintenance of equipment under Maintenance and Protection of Coastal and Marine Ecosystem.

For information and record.

For the Protected Area Superintendent;



JENUEL P. CASEL
PMF/Assistant PASu
In-charge, ENTMRPA-PAMO



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

Name of the Protected Area: El Nido Managed Resource Protected Area, El Nido, Palawan

I. PHYSICAL ACCOMPLISHMENT

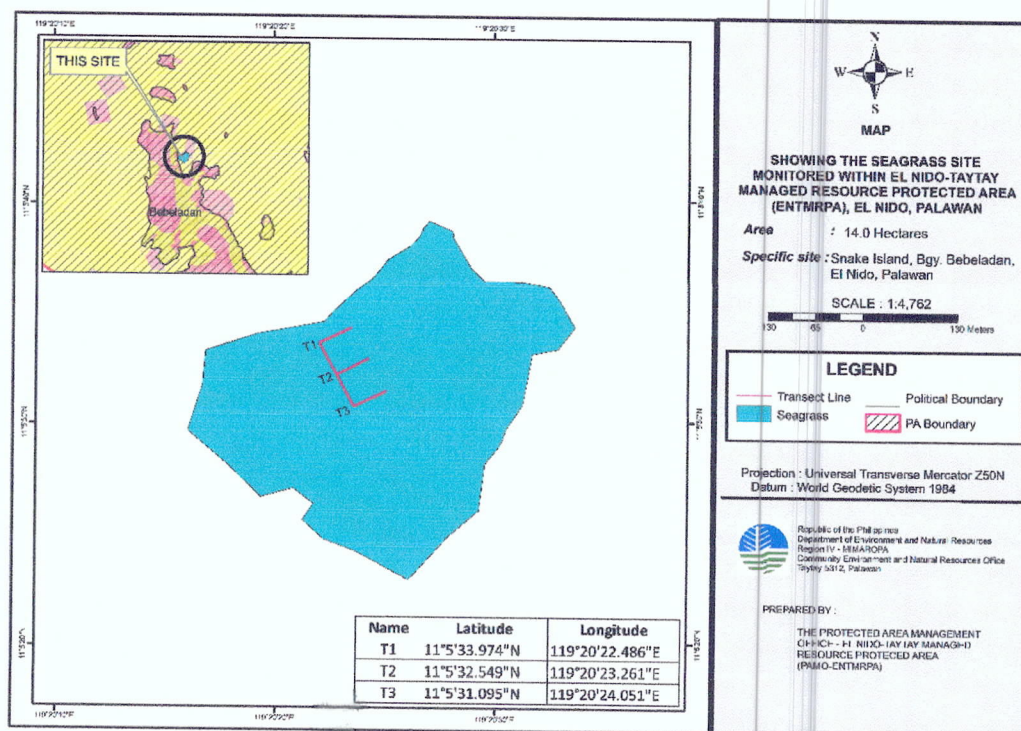
Component 1: Marine Protected Area Strengthening and Networking

A. Monitoring of coastal habitats

Seagrass

LOCATION	NUMBER OF HECTARES ASSESSED	CONDITION	BIODIVERSITY INDEX CATEGORY
Snake Island, Barangay Bebeladan, El Nido, Palawan	14 hectares	Poor	Low Diversity

There were five (5) species of seagrass recorded at Snake Island, Barangay Bebeladan, El Nido, Palawan composed of *Enhalus acoroides* (Ea), *Thalassia hemprichii* (Th), *Halodule pinifolia* (Hp), *Halophila ovalis* (Ho), and *Cymodocea rotundata* (Cr). Each monitoring sites composed of fix transect line parallel to the shoreline with three (3) 50 meters transect perpendicular to the shoreline separated by 25 meters distance in between and laid parallel to each other. Upon monitoring, there were no threats observed.

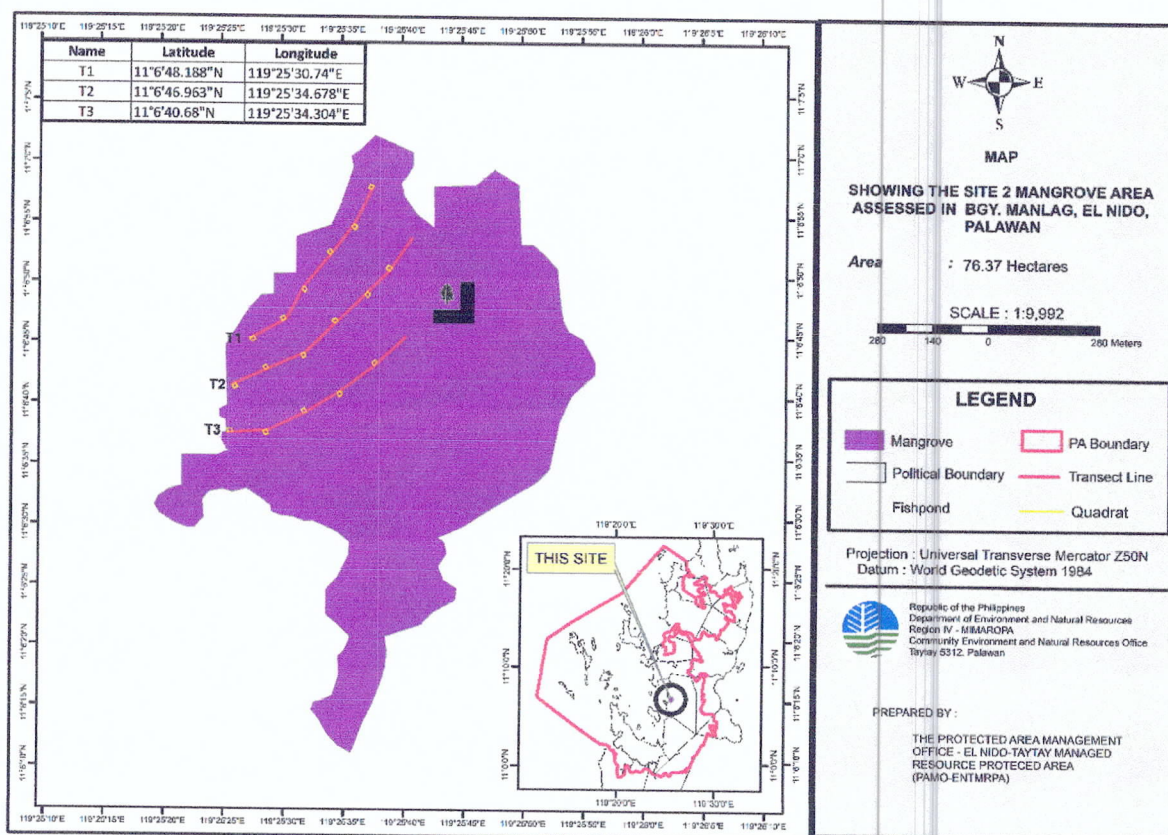


Mangroves

LOCATION	NUMBER OF HECTARES ASSESSED	SHANNON-WEINER INDEX (H') - RELATIVE VALUES	THREATS IDENTIFIED
So. Manlalic, Bgy. Manlag, El Nido, Palawan	76.37 hectares	Very Low Diversity	mangrove cuttings, fishpond

A total of thirteen (13) species of mangroves were identified and recorded within the assessed sampling site. The species found in each plot were identified and classified taxonomically using field guide of J.H. Primavera, Ph. D., (2009). A baseline transect was laid parallel to the shoreline, and a transect line was laid perpendicular to the baseline transect at every 100 meters interval. The transect lines were extended up to the most landward zone. At every 100 meter interval on transect lines, a 10 by 10 quadrat was established.

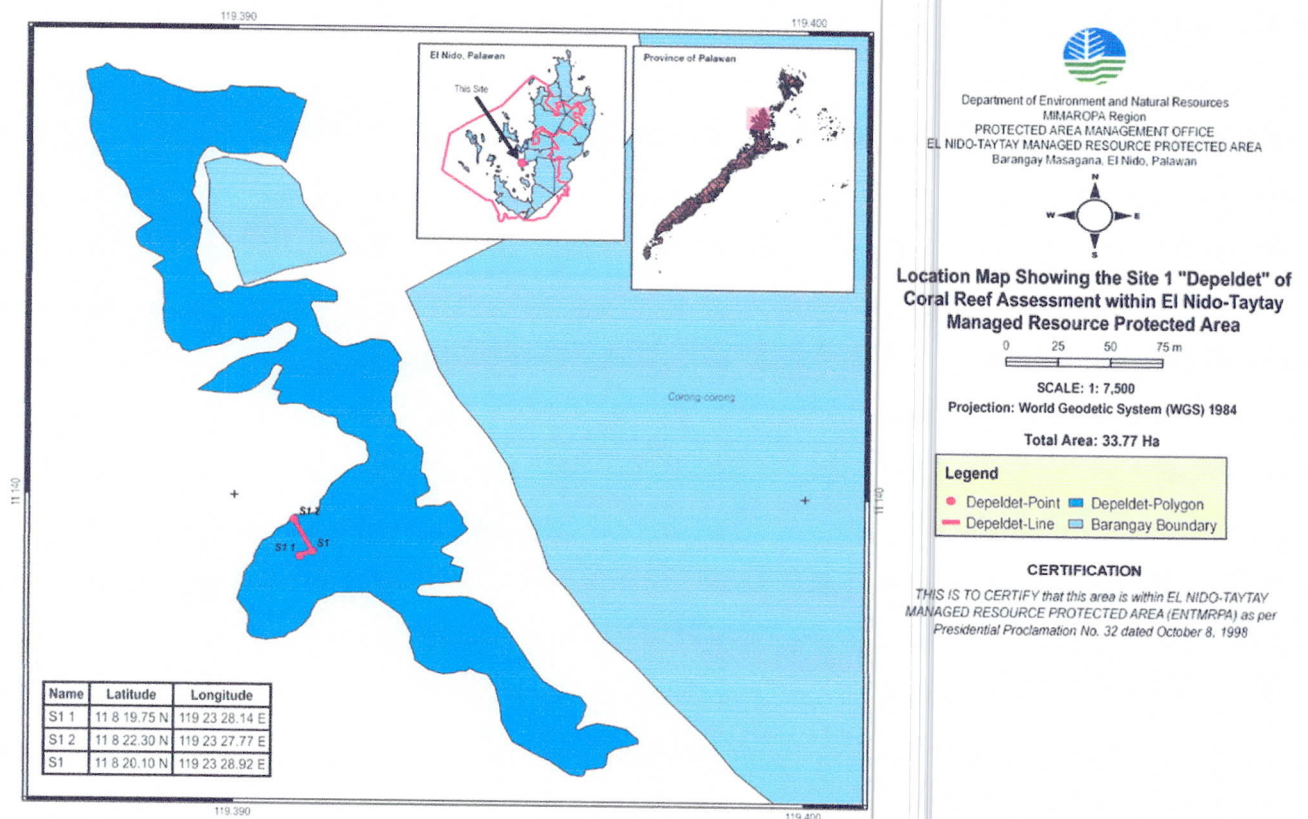
Furthermore, there were mangrove cuttings and fishpond observed. It is recommended to conduct regular monitoring in all mangrove forest within of ENTMRPA in order to protect the mangrove forest from anthropological disturbances.



Corals

MONITORING SITES	AREA (ha)	Hard Coral Cover (HCC)		FISH VISUAL CENSUS CATEGORIES	
		%	Category	Fish Biomass (MT/km ²)	Fish Density (Individual/1 000m ²)
Depeldet Reef, Bgy. Corong-corong	33.77	35.59	HCC B	Low Category	Moderate

Photo transect method was used in monitoring, a 75mx 25m were established in every sampling site with three (3) randomized 50 meters transect line parallel to the shoreline. In terms of Hard Coral Cover (HCC) Depeldet Reef falls under HCC B category, while fish biomass (MT/km²) falls under low category. In terms of fish density (individual per 1000m²) Depeldet Reef falls under moderate category with a value of 1,624 (individual/1000m²). Moreover, an outbreak of Crown of Thorns was observed in established monitoring sites and mild coral bleaching.



B. Maintenance and Protection of Coastal and Marine Ecosystems

1. Habitat Surveillance of Threats and Damages

Areas Surveyed Municipality/ Barangay/ General Location within PA	Frequency	Number of sites surveyed
El Nido – Bacuit Bay	Monthly	5

Park Rangers, Forest Protection Officer (FPO), and other staff of El Nido Managed Resource Protected Area (ENMRPA) together with Forest Rangers of CENRO – Taytay conducted habitat surveillance of threats and damages within the Protected Area (PA). Threats and damage observed during monitoring were as follows;

- a. Improper waste disposal and conversion of mangrove forest into residential area at Bgy. Maligaya and Corong-corong, El Nido, Palawan.
- b. Mangrove cuttings and abandoned constructed structure used of mangrove timber at So. Bobolongan, Bgy. Corong-corong, El Nido, Palawan.
- c. Portions of slash and burn and mangrove cuttings at Bgy. Manlag, El Nido, Palawan.
- d. Outbreak of Crown of Thorn and mild coral bleaching at Depeldet Reef, Bgy. Corong-corong, El Nido, Palawan.

Moreover, strengthening enforcement activities pursuant to the provision of ENIPAS through regular patrolling, intensifying the Community Education and Public Awareness (CEPA) campaign, and conduct of direct activities such as coastal clean-up and Crown of Thorns extraction are being initiated/conducted by this office.

2. Repair and maintenance of equipment

A total of four (4) sets of diving gear were maintained and stored properly after every dive, and two (2) patrol boats are continuously maintained to prevent malfunctions during operations.

EQUIPMENTS	DATE LAST MAINTAINED	CONDITION
4 sets of diving gears	March 9, 2023	Serviceable
1 patrol boat (MBCA Ploning)	March 7, 2023	For repair
1 patrol boat (Marshall)	March 9, 2023	Serviceable

PROGRAM SUPPORT AND MANAGEMENT

Performance Indicator: CMEMP Extension Officer hired
Target CMEMP EO for CY 2023

CEO Name	Sex	Mobile Number	Email address	Components assigned	Major accomplishment/output/Contribution to CMEMP implementation
Mariel M. Paladan	Prefer not to say	09555286095	paladanmariel@gmail.com	Biodiversity Monitoring System (BMS), Monitoring of corals, mangroves and seagrass per PA, Conduct of direct activities	Focal person in the implementation of CMEMP activities for CY 2023 of ENTMRPA-PAMO

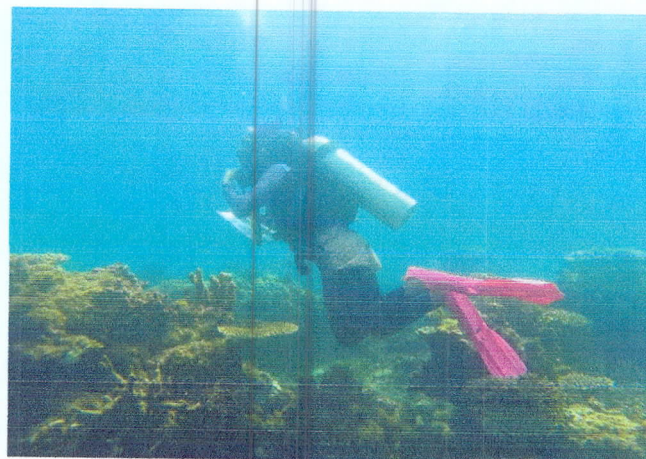
Prepared by:


MARIEL M. PALADAN
CMEMP Extension Officer

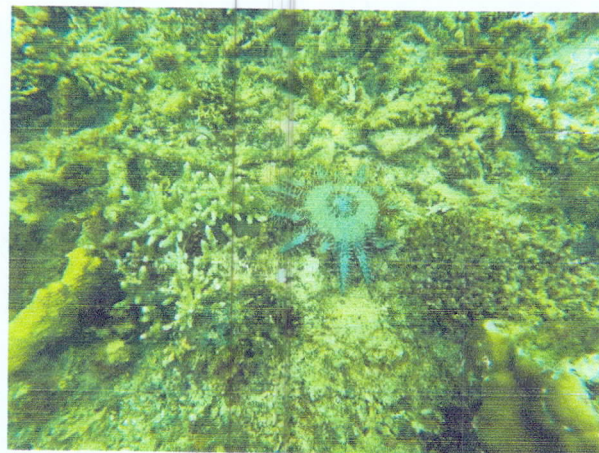
Checked by:


JENUEL P. CASEL
PMF/Assistant PaSU
In-charge, ENTMRPA-PAMO

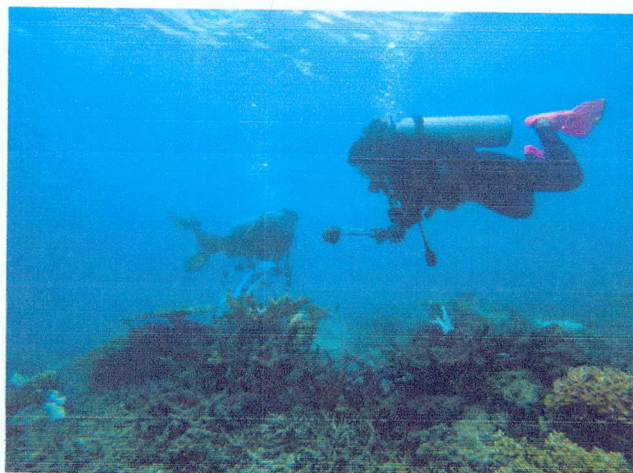
PHOTO DOCUMENTATION



Monitoring of seagrass and corals



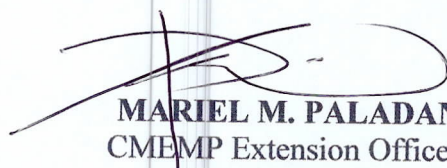
(Left) Mangrove assessment, (Right) Habitat surveillance of threats and damages



Conduct if direct activities (left) COTs extraction, (right) coastal clean-up

CERTIFICATION

I hereby certify that the above photos were true and correct and taken during the conduct of activity.


MARIEL M. PALADAN
CMEMP Extension Officer