



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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DENR MIMAROPA REGIONAL OFFICE  
**RECEIVED**  
85 SEP 2022  
INCOMING ☐ OUTGOING ☐  
DATE NO.

August 22, 2022

**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 CORAL REEF ASSESSMENT**

Forwarded is the memorandum dated August 12, 2022 of CENRO Taytay along with the progress report on the coral reef assessment within El Nido-Taytay Managed Resource Protected Area (ENTMRPA), El Nido, Palawan.

Please be informed that the PAMO-ENTMRPA personnel conducted the coral assessment at seven (7) established monitoring sites located at Depeldet Island, Brgy. Corongcorong, Helicopter Island, Brgy. Buena Suerte, Snake Island, Brgy. Bebeladan, So. Pagawanen, Brgy. Bebeladan, Cathedral Cave, Brgy. Bebeladan, Lalutaya Island, Brgy. Bucana, and So. Cagbatang, Brgy. Pasadeña, El Nido, Palawan.

Attached is the report with photo documentation.

For information and record.



*[Signature]*  
**FELIZARDO B. CAYATOC**

DENR-PALAWAN  
PENRO-RECORDS  
**RELEASED**  
By *[signature]*  
Date: 23 AUG 2022 *2022-2140*



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

RECEIVED

August 12, 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 : **PROGRESS REPORT ON THE CORAL REEF ASSESSMENT**

Respectfully forwarded is the memorandum on the above subject dated August 5, 2022 and acted by this Office on August 11, 2022 from Protected Area Superintendent (PASu) Mildred A. Suza being an accomplishment and **Means of Verification (MoV)** on the target activity Monitoring of Corals, Mangroves and Seagrass under 001 Management of Coastal and Marine Resources/Areas of El Nido-Taytay Managed Resource Protected Area (ENMTRPA), El Nido, Palawan.

Please be informed that PAMO-ENTMRPA conducted the abovementioned subject at seven (7) established monitoring sites within the marine areas of ENTMRPA.

Hence, this Office recommends the monitoring of this target activity and submits report for review and endorsement.

For his information and record.

DENR CENRO  
TAYTAY, PALAWAN  
RELEASED

BY:                       
DATE: AUG 12 2022 2291

ALAN L. VALLE

Cc: PAMO-ENTMRPA





Republic of the Philippines  
Department of Environment and Natural Resources  
**MIMAROPA Region**  
Community Environment and Natural Resources  
**EL NIDO-TAYTAY MANAGED RESOURCE PROTECTED AREA**  
Calle Real, Barangay Masagana, El Nido, Palawan, 5313  
Telephone No. 048-716-0674  
Email: [denrpao\\_elnidopal@yahoo.com](mailto:denrpao_elnidopal@yahoo.com) / [entmrpa@gmail.com](mailto:entmrpa@gmail.com)

August 5, 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 :** **PROGRESS REPORT ON CORAL REEF ASSESSMENT**

DENR CENRO  
TAYTAY, PALAWAN  
**RECEIVED**  
BY: *[Signature]*  
DATE: 8-8-22 CN: 2129

Respectfully forwarded is the memorandum report of CMEMP Extension Officer of El Nido- Taytay Managed Resource Protected Area - Protected Area Management Office (ENTMRPA-PAMO) regarding the above subject. This pertains to the target activity 001 Monitoring of Corals per Protected Area (PA) under Marine Protected Area Strengthening and Networking.

Please be informed that the ENTMRPA-PAMO conducted coral assessment at seven (7) established monitoring sites located at Depeldet Island, Bgy. Corong-corong, Helicopter Island, Bgy. Buena Suerte, Snake Island, Bgy. Bebeladan, So. Pagawanen, Bgy. Bebeladan, Cathedral Cave, Bgy. Bebeladan, Lalutaya Island, Bgy. Bucana, and So. Cagbatang, Bgy. Pasadeña, El Nido, Findings and observation were thoroughly presented in the attach report.

This serves as a milestone activity under Marine Protected Area Strengthening and Networking.

For information and record.

DENR - PAO  
ENTMRPA,  
El Nido, Palawan  
**RECEIVED**  
By: *Clarita*  
Date: 08-05-22  
C.N.: 0807

*[Signature]*  
**MILDRED A. SUZA**



July 29, 2022

**MEMORANDUM**

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

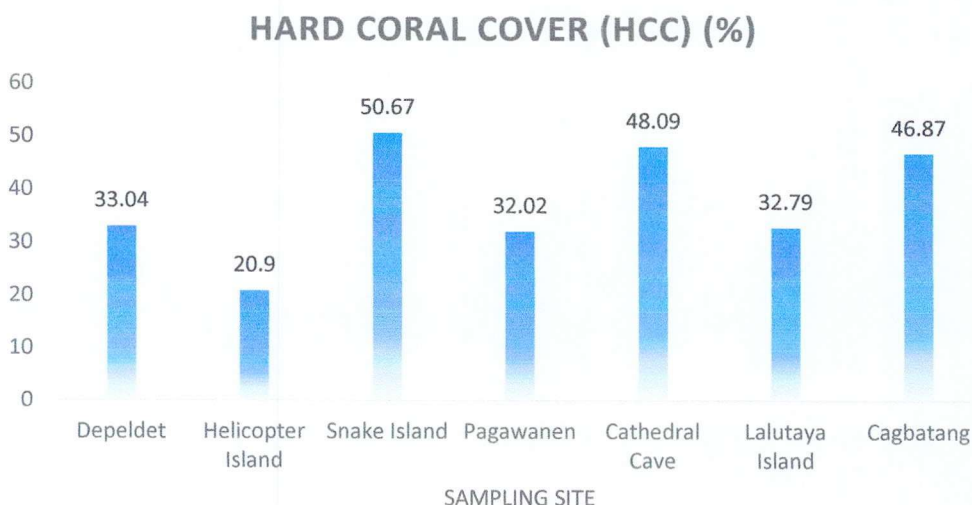
**FROM : CMEMP Extension Officer**  
El Nido- Taytay Managed Resource Protected Area

**SUBJECT : PROGRESS REPORT ON CORAL REEF ASSESSMENT**



This pertains to the target activity 001 Monitoring of Corals per PA under Marine Protected Area Strengthening and Networking of El Nido-Taytay Managed Resource Protected Area (ENTMRPA) – Protected Area Management Office (PAMO).

Please be informed that the undersigned together with ENTMRPA-PAMO personnel Faith D. Bangalisan, Steven John Andao, Reina Rose Abordo, Jordan Asuncion, John Vincenth Cuyo amnd Bret Hart Sanogal conducted coral assessment in seven (7) sampling site which includes, Depeldet Island, Bgy. Corong-corong; Helicopter Island, Bgy. Buena Suerte; Snake Island, Bgy. Bebeladan; So. Pagawanen, Bgy. Bebeladan; Cathedral Cave, Bgy. Bebeladan; Lalutaya Island, Bgy. Bucana; and So. Cagbatang, Bgy. Pasadeña, El Nido, Palawan.



**Figure 1 Shows the percentage of Hard Coral Cover (HCC) in seven (7) sampling sites**



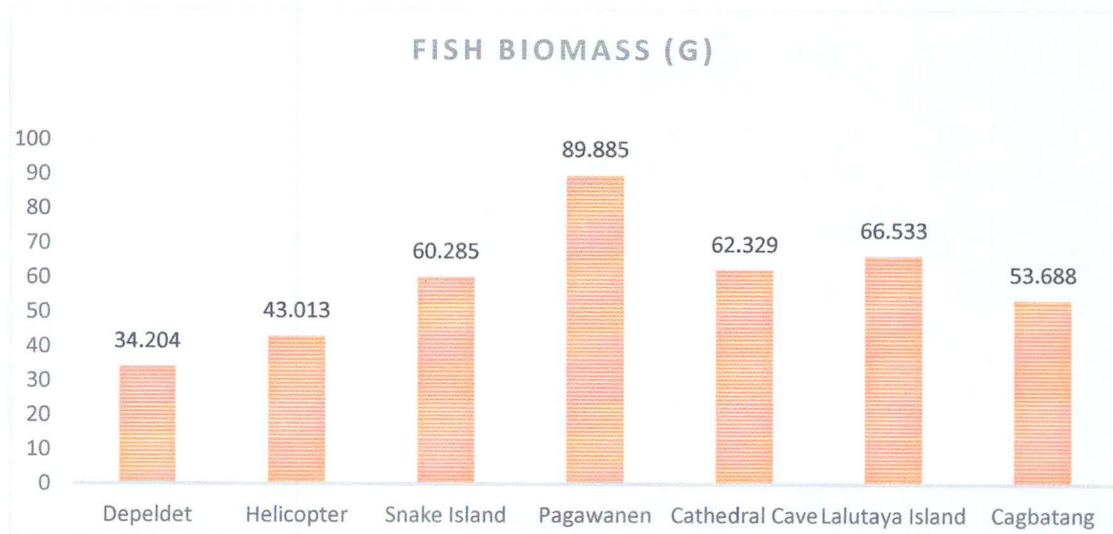
Figure 1 shows the percentage of hard coral cover in seven (7) sampling sites. Of the seven (7) sampling sites, three (3) of them falls under HCC Category A, which are Snake Island with 50.67%, Cathedral Cave with 48.09%, and Cagbatang with 46.87%, while Depeldet Island falls under HCC Category B with 33.04. However, Lalutaya Island and Pagawanen falls under HCC Category C with 32.79% and 32.02%, respectively, while Helicopter Island has 20.9% hard coral cover which falls under HCC Category D.

A total of thirty-three (33) species of reef fishes was identified and recorded, of the 33 species, seventeen (17) are belonging to major species, four (4) are indicator species, and twelve (12) are target species. Major species are not the commercially important species targeted by fishers but are unique members of the fish communities and function as important trophic links of energy transfers. Target species are the commercially important fish and targeted by fishers for food. The indicator species are hard coral-associated species that may give an indication of the relative condition of the reefs (Crosby and Reese, 1996).

**Table 1 List of identified reef fishes**

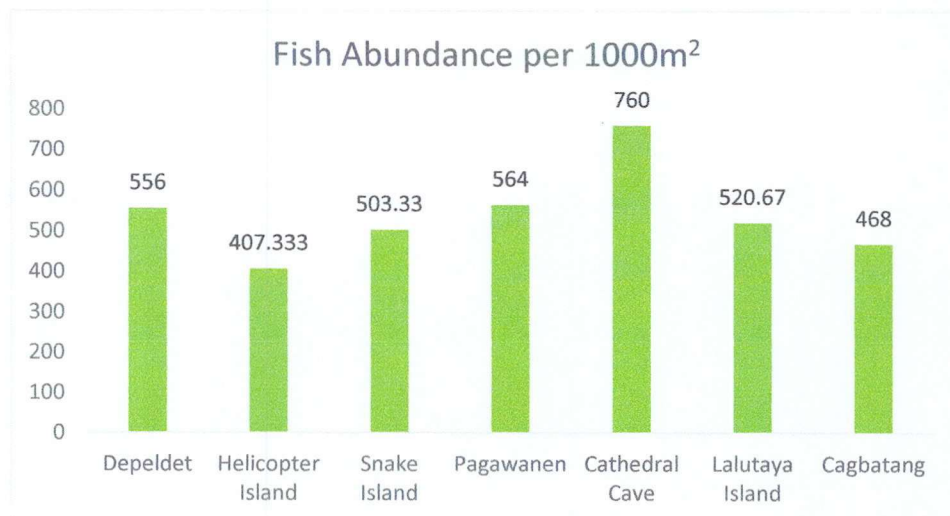
Scientific Name	Group
<i>Chaetodontoplus mesoleucus</i>	Major
<i>Pomacanthus imperator</i>	Major
<i>Platax pinnatus</i>	Major
<i>Pempheris vanicolensis</i>	Major
<i>Chaetodon lineolatus</i>	Indicator
<i>Chaetodon lineolatus</i>	Indicator
<i>Chaetodon octofasciatus</i>	Indicator
<i>Apogon quinquelineatus</i>	Major
<i>Abudefduf vaigiensis</i>	Major
<i>Acanthochromis polyacanthus</i>	Major
<i>Amblyglyphidodon curacao</i>	Major
<i>Dischistodus prosopotaenia</i>	Major
<i>Pomacentrus moluccensis</i>	Major
<i>Amphiprion ocellaris</i>	Major
<i>Lethrinus erythracanthus</i>	Target
<i>Parupeneus multifasciatus</i>	Target
<i>Valenciennea puellaris</i>	Major
<i>Cephalopholis boenak</i>	Target
<i>Cephalopholis microprion</i>	Target
<i>Zanclus cornotus</i>	Major
<i>Gymnothorax javanicus</i>	Target
<i>Scarus hypselopterus</i>	Target
<i>Arothron nigropunctatus</i>	Indicator
<i>Siganus guttatus</i>	Target
<i>Pentapodus bifasciatus</i>	Target
<i>Lutjanus biguttatus</i>	Target
<i>Sargocentron rubrum</i>	Target

<i>Sargocentron rubrum</i>	Target
<i>Ctenochaetus striatus</i>	Target
<i>Plectorhinchus lessonii</i>	Target
<i>Sufflamen fraenatus</i>	Major
<i>Labroides dimidiatus</i>	Major
<i>Halichoeres melanurus</i>	Major
<i>Thalassoma lunare</i>	Major



**Figure 2 Shows the average of fish biomass (g) of seven (7) sampling sites**

Figure two (2) shows the computed average of fish biomass (g) of seven (7) sampling sites. Based on the result, five (5) sampling sites falls under very high category which are Pagawanen, Lalutaya Island, Cathedral Cave, Snake Island, Cagbatang, and Helicopter Island with 89.885g, 66.533g, 62.329g, 60.285g, 53.688g, and 43.013g, respectively. However, Depeldet has 34.204g which falls under high category of fish biomass.



**Figure 3 Shows the fish abundance per 1000m<sup>2</sup> in seven (7) sampling sites**

The figure above shows the fish abundance per 1000m<sup>2</sup> of seven (7) sampling sites. Cathedral cave has the highest value of fish abundance which has 760 m<sup>2</sup> under moderate

category. However, the remaining six (6) sampling sites that falls under the low category, which are the Depeldet, Helicopter Island, Snake Island, Pagawanen, Lalutaya Island, and Cagbatang has 556 m<sup>2</sup>, 407.333 m<sup>2</sup>, 503.33 m<sup>2</sup>, 564 m<sup>2</sup>, 520.67 m<sup>2</sup>, and 468 m<sup>2</sup>, respectively.

Furthermore, the team observed mild coral bleaching in Helicopter Island, Pagawanen, Depeldet, and Cagbatang due to the presence of Crown of Thorns.

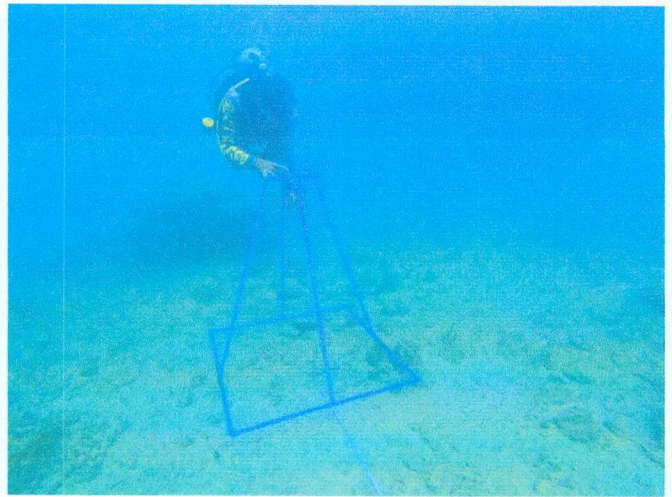
For information and record.



MARIEL M. PALADAN



## PHOTO DOCUMENTATION



## CERTIFICATION

This is to certify that the above photos are true and correct and taken during the conduct of monitoring of corals.

  
**MARIEL M. PALADAN**  
CMEMP Extension Officer