



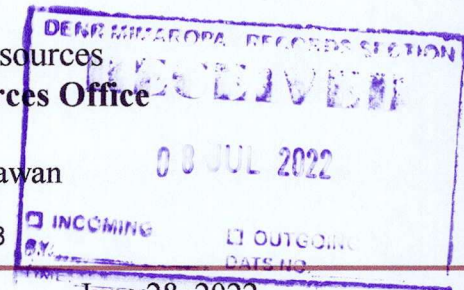
Republic of the Philippines  
Department of Environment and Natural Resources  
**Provincial Environment and Natural Resources Office**

**MIMAROPA Region**

Bgy. Sta. Monica, Puerto Princesa City, Palawan

E-mail: [penropalawan@denr.gov.ph](mailto:penropalawan@denr.gov.ph)

Telfax No. (048) 433-5638 / (048) 433-5638



June 28, 2022

Region

**MEMORANDUM**

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

**FROM :** The Provincial Environment and  
Natural Resources Officer

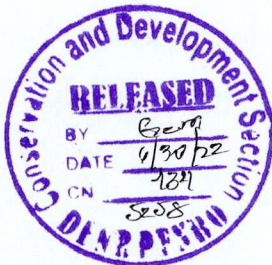
**SUBJECT :** **HYBRID FORUM ENTITLED “READY COTS EXTRACTION”  
IN LINE WITH THE CELEBRATION OF THE MONTH OF THE  
OCEAN CY 2022**

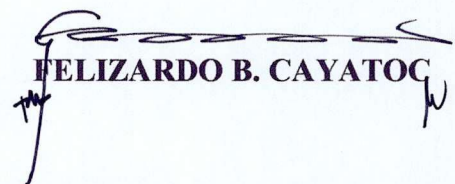
Forwarded is the memorandum dated June 6, 2022 of CENRO Taytay along with the report on the attended hybrid forum entitled “Ready COTs Extraction” on May 3, 2022 via Zoom in line with the celebration of the Month of the Ocean. The forum was spearheaded by the DENR – Biodiversity Management Bureau.

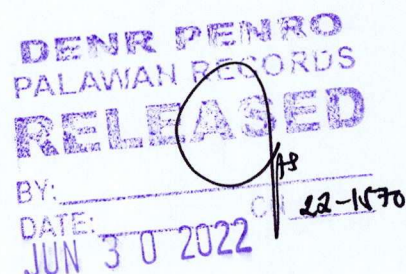
Per the report, the program was comprised of five (5) presentations: Overview and status of the Philippines’ Coastal and Marine Ecosystems; Biology and Ecology of Crown-of-Thorns Starfish (COTs), including proper handling of COTs and long-term monitoring of COTs; The Case of Apo Reef Natural Park (ARNP); Management Interventions of Sarangani Bay Protected Seascape—Protected Area Management Office (PAMO); and Local communities’ perspective in addressing the proliferation of COTs, followed by an open forum to address the issues and concerns of the COTs.

Attached are photo documentation, invitation, and program.

For information and record.



  
FELIZARDO B. CAYATOC







Republic of the Philippines  
Department of Environment and Natural Resources

**MIMAROPA Region**

**COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**

By the National Hi-way, Poblacion, Taytay, Palawan 5312  
Contact No: 09121713889 (Smart) and 09171589399 (Globe)  
Email Add: cenrotaytay@denr.gov.ph

**MEMORANDUM**

**FOR** : The Provincial Environment and Natural  
Resources Office-PENRO Palawan

**FROM** : The Community Environment and Natural  
Resources Office

**SUBJECT** : **HYBRID FORUM ENTITLED "READY COTS EXTRACTION"  
IN LINE WITH THE CELEBRATION OF THE MONTH OF THE  
OCEAN 2022**

Respectfully forwarded is the memorandum dated May 17, 2022 of Protected Area Superintendent Mildred A. Suza pertaining to the above subject. Please be informed that the El Nido-Taytay Managed Resource Protected Area (ENTMRPA) – Protected Area Management Office (PAMO) staff attended and participated on the Hybrid forum entitled "Ready COTS Extraction" last May 3, 2022 via zoom. It was attended by personnel from Tubbataha Reef Natural Park, Apo Reef Natural Park, Malampaya Sound Protected Landscape and Seascape and Rasa Island Wildlife Sanctuary.

For information and record.

June 6, 2022

DENR PENRO  
PALAWAN RECORDS  
**RECEIVED**

BY: *[Signature]*  
DATE: June 6, 2022 22-5258

DENR CENRO  
TAYTAY, PALAWAN  
**RELEASED**

BY: *[Signature]*  
DATE: JUN 09 2022 1698

*[Signature]*  
**ALAN VALLE**





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  
Contact No: GLOBE (0917-110-3262)  
Email: [denrpao\\_elnidopal@yahoo.com](mailto:denrpao_elnidopal@yahoo.com) / [entmrpa@gmail.com](mailto:entmrpa@gmail.com)

May 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 :** HYBRID FORUM ENTITLED "READY COTS EXTRACTION"  
IN LINE WITH THE CELEBRATION OF THE MONTH OF THE  
OCEAN 2022

DENR CENRO  
TAYTAY, PALAWAN  
RECEIVED  
BY: *[Signature]*  
DATE: 6.3.22 CN 2885

Respectfully forwarded is the memorandum report of CMEMP Extension Officer Mariel M. Paladan dated May 16, 2022 regarding the above subject.

Please be informed that the ENTMRPA-PAMO staff attended/participated Hybrid Forum entitled "Ready Cots Extraction" in line with the celebration of the Month of the Ocean 2022 via zoom, spearheaded by DENR-BMB last May 3, 2022. It was attended by personnel from Tubbataha Reef Natural Park, Apo Reef Natural Park, Malampaya Sounds Protected Seascape and Landscape and Rasa Island Wildlife Sanctuary.

Issues and concerns regarding Crown of Thorns (COTs) in different areas were presented.

For information and record.

DENR - PAO  
ENTMRPA,  
El Nido, Palawan  
**RELEASED**  
By: *[Signature]*  
Date: 05.18.22  
C.N.: 6275

*[Signature]*  
MILDER 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  
Contact No: GLOBE (0917-110-3262)  
Email: [denrpao\\_elnidopal@yahoo.com](mailto:denrpao_elnidopal@yahoo.com) / [entmrpa@gmail.com](mailto:entmrpa@gmail.com)

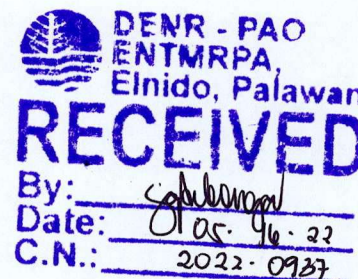
May 16, 2022

**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 : HYBRID FORUM ENTITLED "READY COTS EXTRACTION" IN LINE WITH THE CELEBRATION OF THE MONTH OF THE OCEAN 2022**




Please be informed that the undersigned together with El Nido-Taytay Managed Resource Protected Area (ENTMRPA) - Protected Area Management Office (PAMO) Staffs Steven John Andao, John Vincent Cuyo, Bret Hart Sanogal, Faith D. Bangalisan, and Reina Rose Abordo attended/participated re: Hybrid Forum Entitled "Ready Cots Extraction" in line with the celebration of the Month of the Ocean 2022 last May 3, 2022. The said forum was spearheaded by DENR-BMB.

The program comprised of five (5) presentations entitled: Overview and status of the Philippines' Coastal and Marine Ecosystems, Biology and Ecology of Crown-of-Thorns Starfish (COTs), including proper handling of COTs, Long Term Monitoring of COTS; The Case of Apo Reef Natural Park (ARNP), Management interventions of Sarangani Bay Protected Seascape - Protected Area Management Office (PAMO), and Local communities' perspective in addressing the proliferation of COTs and followed by an open forum to address the issues and concerns of the participants regarding COTs.

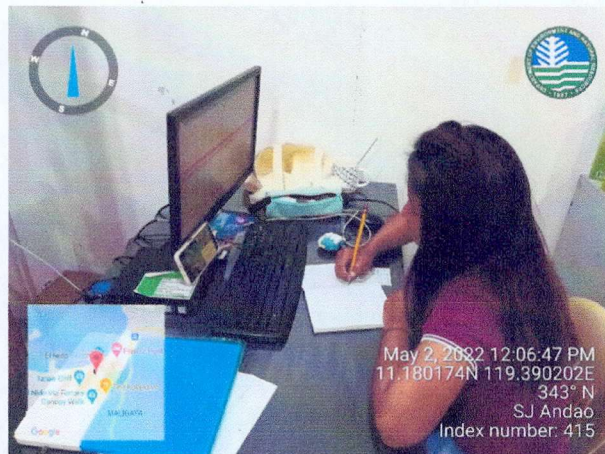
Attached herewith is the photo documentation, invitation and provisional program.

For information and record.

  
**MARIEL M. PALADAN**



## PHOTO DOCUMENTATION



## CERTIFICATION

I hereby certify that the above photos were true and correct and taken during the conduct of activities for May 3, 2022.

  
**STEVEN JOHN ANDAO**  
Park Ranger



## Invitation to the Hybrid Forum Ready COTS ExtrACTION in line with the celebration of MOO 2022

3 messages

CRFMS CDD <crfmscddmimaropa@gmail.com>

Thu, Apr 28, 2022 at 2:09 PM

To: Apo Reef Natural Park <aporeefnaturalpark@gmail.com>, Tubbataha Reefs Natural Park <tmo@tubbatahareefs.org>, Tubbataha Reefs Natural Park <tubbataha88@gmail.com>, PASu EL NIDO PALAWAN <entmrpa@gmail.com>, PAMO - MSPLS <pamomspls@gmail.com>, rasaislandwildlifesanctuary@gmail.com

Dear PASus,

Good day!

Attached is the signed Memorandum dated April 21, 2022 of the Assistant Director, Biodiversity Management Bureau regarding invitation to the hybrid forum entitled Ready COTS ExtrACTION, one of the launching activities in celebration of the Month of the Ocean 2022, to be conducted on May 02, 2022 from 9:00 AM to 12:00 NN (via Zoom).

In view hereof, the attendees to the said activity are advised to register through the link - <https://tinyurl.com/ReadyCOTSExtractionReg> on or before April 28, 2022.

For your information and consideration, please.

Thank you and best regards.

**COASTAL RESOURCES AND FORESHORE MANAGEMENT SECTION**

Conservation and Development Division

DENR MIMAROPA Regional Office

[crfmscddmimaropa@gmail.com](mailto:crfmscddmimaropa@gmail.com)



(85776) Invitation Hybrid Forum Ready COTS Extraction (MOO 2022).pdf

1783K

PAMO - MSPLS <pamomspls@gmail.com>

Thu, Apr 28, 2022 at 3:26 PM

To: CRFMS CDD <crfmscddmimaropa@gmail.com>

Cc: Apo Reef Natural Park <aporeefnaturalpark@gmail.com>, Tubbataha Reefs Natural Park <tmo@tubbatahareefs.org>, Tubbataha Reefs Natural Park <tubbataha88@gmail.com>, PASu EL NIDO PALAWAN <entmrpa@gmail.com>, rasaislandwildlifesanctuary@gmail.com

Acknowledged.

[Quoted text hidden]

PASu EL NIDO PALAWAN <entmrpa@gmail.com>

Thu, Apr 28, 2022 at 4:55 PM

To: PAMO - MSPLS <pamomspls@gmail.com>

Received po. Thank you.

Best regards,

-Ms. Maureen Daquer

ENTMRPA staff

[Quoted text hidden]



Facebook Page





Republic of the Philippines  
Department of Environment and Natural Resources  
**BIODIVERSITY MANAGEMENT BUREAU**  
Ninoy Aquino Parks and Wildlife Center  
Quezon Avenue, Diliman, Quezon City  
Tel. Nos.: (632) 924-6031 to 35 Fax: (632) 924-0109, (632) 920-4417  
Website: <http://www.bmb.gov.ph> E-mail: [bmb@bmb.gov.ph](mailto:bmb@bmb.gov.ph)



## MEMORANDUM

**FOR : The Regional Executive Directors**  
**DENR Regions I - XIII, CAR, and NCR**

**FROM : The Assistant Director**

**SUBJECT : INVITATION FOR THE HYBRID FORUM ENTITLED "READY, COTS EXTRACTION" IN LINE WITH THE CELEBRATION OF THE MONTH OF THE OCEAN 2022**

**DATE : APR 21 2022**



Aligning with this year's Month of the Ocean's (MOO) theme "*Protect and restore ecosystems and biodiversity*", we aim to raise awareness to the general public on the recent outbreak of Crown-of-Thorns Starfish (COTS) in some of the Marine Protected Areas (MPAs) of the country, which can be regarded as one of the threats to biodiversity. This kind of widespread infestation of COTS to our coral reefs due to changes in environmental factors (e.g. temperature) coupled with anthropogenic causes is a major challenge we face as we endeavor for increased awareness and collective action for the protection and sustainable management of our marine ecosystems.

In line with this, one of the launching activities in celebration of the MOO is the conduct of a hybrid forum entitled, "*Ready, COTS ExtrACTION*". This forum aims to discuss the biology and ecology of COTS and delve further into the management interventions in addressing their proliferation in the rich marine waters of the archipelago. The forum will also be held in Sarangani Bay Protected Seascape (SBPS) as one of the MPAs with recently recorded outbreaks of COTS.

In view of the above, we would like to invite your select personnel to attend the forum via **Zoom, on 02 May 2022, from 9:00 AM - 12:00 PM**. Attached also is the program of the activities for ease of reference.

Relative to this, the select participants are advised to register through the link provided herein **on or before 28 April 2022** — <https://tinyurl.com/ReadyCOTSExtractionReg>. Further, please see below the Zoom details for your reference:

**Link:** <https://us06web.zoom.us/j/82698318885?pwd=TzRDTUFaTzhGVFhidTB5cE11ZFExZz09>  
**Meeting ID:** 826 9831 8885  
**Passcode:** 130378

For your consideration.



**AMELITA D. ORTIZ**





## Provisional Program of Activities for Ready, COTS ExtrACTION Forum

Hybrid (via Zoom and Face to face)

May 2, 2022

Time	Topic	Resource Speaker
8:30 - 9:00 AM	<b>Registration</b>	CMD/RXII Secretariat
9:00 - 9:15 AM	<b>Opening Preliminaries</b> <ul style="list-style-type: none"> <li>• Prayer</li> <li>• National Anthem</li> </ul>	Host
9:15 - 9:30 AM	<b>Opening Remarks</b>	<b>Ms. Natividad Y. Bernardino</b> OIC Director, BMB
9:30 - 9:45 AM	<b>Presentation 1:</b> Overview and status of the Philippines' Coastal and Marine Ecosystems	<b>Ms. Armida P. Andres</b> Chief, CMD
9:45 - 10:10 AM	<b>Presentation 2:</b> Biology and Ecology of Crown-of-Thorns Starfish (COTS), including proper handling of COTS	<b>Dr. Ciemon Caballes</b> James Cook University
10:10 - 10:30 AM	<b>Presentation 3:</b> Sharing of Experiences <ul style="list-style-type: none"> <li>• Long Term Monitoring of COTS: The Case of Apo Reef Natural Park (ARNP)</li> </ul>	<b>Mr. Victor S. Ticzon</b> University of the Philippines Los Banos
10:30 - 10:40 AM	Break	
10:40 - 11:00 AM	<b>Presentation 4:</b> Sharing of Experiences <ul style="list-style-type: none"> <li>• Management interventions of Sarangani Bay Protected Seascape Protected Area Management Office (PAMO)</li> </ul>	<b>PASu Joy Ologuin</b> Sarangani Bay Protected Seascape, Protected Area Management Office (PAMO)
11:00 - 11:20 AM	<b>Presentation 5:</b> Sharing of Experiences <ul style="list-style-type: none"> <li>• Local communities' perspective in addressing the proliferation of COTS</li> </ul>	<b>Mr. Joe Maso (TBC)</b> Siete Pecados, Palawan
11:20 - 11:40 AM	<b>Open Forum</b>	
11:40 - 11:55 AM	<b>Call to ACTION!</b> <i>Citizen Science</i> : A tool in engaging the public in addressing the COTS infestation	<b>Ms. Desiree Eve Maano</b> Chief, CMEMS
11:55 - 12:00 NN	<b>Closing</b>	<b>Ms. Maria Elvira V. Lumayag</b> PENRO Sarangani