



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	
RECORDS SECTION	
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BY:	
DATE:	
TIME:	

November 20, 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** : **DUGONG AND MARINE TURTLE MONITORING**

Respectfully forwarded is the memorandum dated October 20, 2023 from CENRO, Pablo L. Cruz of Roxas, Palawan along with the memorandum of FT I, Chuckie Y. Aguilos, ECOMS I, Jane M. Juarez and ECOMS I, Jo Annie D. Corvera regarding the above subject.

Please be informed that the CENRO-CDS personnel conducted dugong and marine turtle monitoring on the following sites:


1. Green Island Bay, Roxas, Palawan
2. Barangay Tinitian, Roxas, Palawan
3. Barangay Jolo, Roxas, Palawan
4. Barangay Nicanor Zabala, Roxas, Palawan

As per report the team was able to take photo documentation of dugong on Sitio Tandol and Flat Island then a drone shot of marine turtle on Barangay Nicanor Zabala.

This serves as **Means of Verification (MoV)** for the said target activity.

For information and record.

"For the PENRO"

  
**RONIE B. GANDEZA**  
DMO V/Chief, TSD  
In-charge, office of the PENRO



DENR-PALAWAN  
PENRO-RECORDS  
**RELEASED**  
By: [signature]  
Date: 17 NOV 2023 CN: 23-3246



Republic of the Philippines  
Department of Environment and Natural Resources  
MIMAROPA Region  
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE

Barangay III (Poblacion), Roxas, Palawan

Contact No. (048) 717-0892

Email address: [cenroroxaspalawan@denr.gov.ph](mailto:cenroroxaspalawan@denr.gov.ph)

**DENR PENR  
PALAWAN RECORDS  
RECEIVED**

October 23, 2023

BY: [Signature]  
DATE: 11/07/2023 CN 23-10676

**MEMORANDUM**

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

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

**SUBJECT** : **DUGONG AND MARINE TURTLE MONITORING IN  
BARANGAY TINITIAN, JOLO, AND NICANOR ZABALA,  
ROXAS, PALAWAN**

Respectfully forwarded is the memorandum dated October 23, 2023 of the Conservation and Development Section of this office.

This serves as a Means of Verification (MOV) for the target activity on Population and Habitat Monitoring of Marine Turtles and Dugong for CY 2023.

For information and record.

[Signature]  
**PABLO L. CRUZ**

**DENR-CENRO ROXAS  
RELEASED**

DATE OCT 24 2023

BY: [Signature]

REG. NO. 2023-10-1518



Republic of the Philippines  
**Department of Environment and Natural Resources**  
**Region IV- MIMAROPA**  
**COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**  
Barangay III (Poblacion), Roxas, Palawan  
Contact No. 09171606578 / 09175028647  
Email address: [cenroroxaspalawan@denr.gov.ph](mailto:cenroroxaspalawan@denr.gov.ph)

October 23, 2023

**MEMORANDUM**

**FOR** : The Community Environment and  
Natural Resources Officer

**FROM** : The Undersigned

**SUBJECT** : **DUGONG AND MARINE TURTLE MONITORING IN GREEN  
ISLAND BAY, ROXAS, PALAWAN**



Please be informed that the undersigned conducted monitoring of dugong and marine turtle in part of Green Island Bay covered by Barangay Tinitian, Barangay Jolo, and Barangay Nicanor Zabala, Roxas, Palawan on October 19-20, 2023. The activity was a continuation of the monitoring done on October 10-13, 2023.


On October 19, 2023, the team interviewed Mr. Carlito Manlavi, a fisherman in Barangay Tinitian. According to him, a dugong was accidentally caught in his fish coral at 7:00 A.M. of October 12, 2023 which he immediately released. The dugong weighs approximately a hundred kilograms. He added that he released a marine turtle which was accidentally caught in his fish coral last year. The team observed a species of seagrass, *Syringodium isoetifolium*, in the tidal flats.


The team also interviewed Mr. Arnold Sanchez, a fisherman from Barangay Jolo. According to him, dugongs frequent the area between the South and North Verde Islands. Almost everyday between 7:00-8:00 A.M when he goes fishing, he can see as many as three (3) dugongs in that area. He sometimes observes a calf among the group. In addition, the team gave a brief Education and Information Campaign (IEC) on marine turtle and dugong to the barangay officials of said barangay during its barangay council session on October 19, 2023.

A marine turtle was captured in the drone shot taken during the monitoring in Barangay Nicanor Zabala at around 10 A.M. of October 20, 2023.

Attached are the photo documentation of the activity and site map.

  
**CHUCKIE Y. AGUILOS**  
Forest Tech I

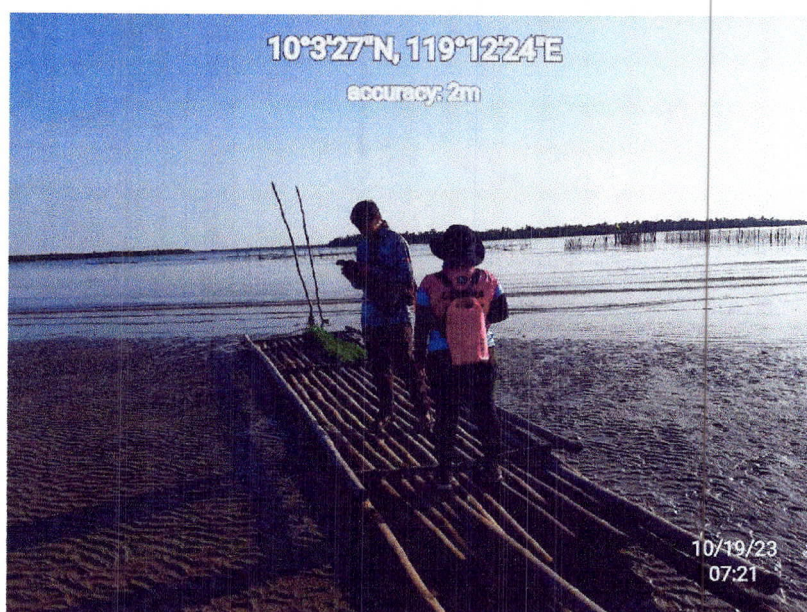
  
**JO ANNE D. CORVERA**  
ECOMS I

  
**JANE M. JUAREZ**  
ECOMS I

Noted by:

  
**RENSYL L. MAGDAYAO**  
F II/ CDS In-charge

## PHOTO DOCUMENTATION



Monitoring in Barangay Tinitian



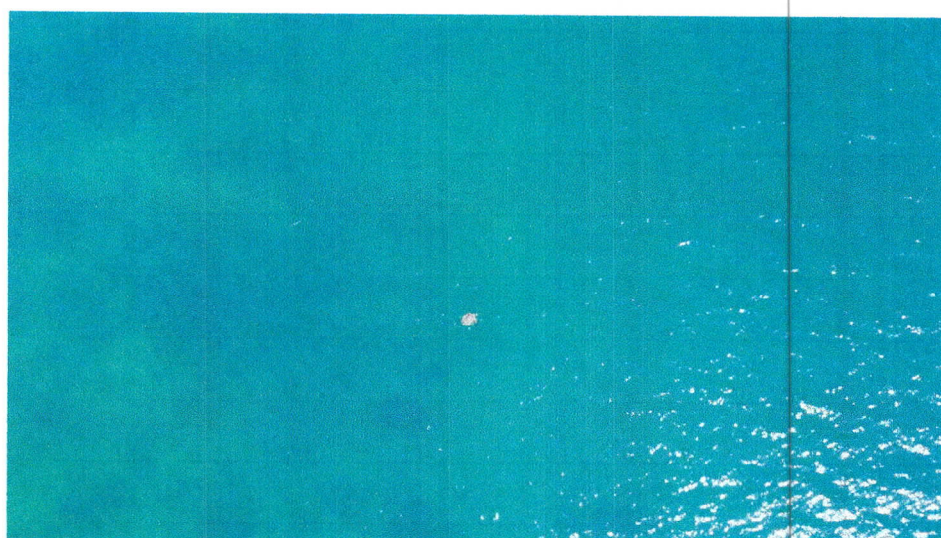
*Syringodium isoetifolium* observed in Barangay Tinitian



Monitoring in Barangay Jolo



A brief IEC on dugong and marine turtle to the barangay officials of Jolo, Roxas, Palawan



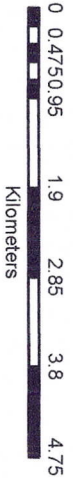
Drone shots of a marine turtle taken in Barangay Nicanor Zabala on October 20, 2023



Republic of the Philippines  
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COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE  
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Contact No. 09171505578 / 09175028547  
Email address: [ceenr.regioniv@denr.gov.ph](mailto:ceenr.regioniv@denr.gov.ph)



SCALE: 1:80,000



Coordinate System: WGS 1984 UTM Zone 50N  
Projection: Transverse Mercator  
Datum: WGS 1984

**Legend**

- Marine Turtle Sighting
- Marine Turtle and Dugong Monitoring Site
- World Imagery

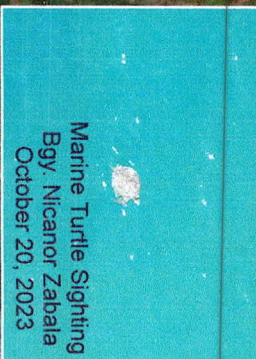
Digitized by:

*CHUCKIE Y. AGUILLOS*  
Forest Technician I

Checked by:

*RENSY MAGDAYAO*  
GIS Focal Person/CDS Chief

Barangay Nicanor Zabala



MAP SHOWING THE DUGONG AND  
MARINE TURTLE MONITORING SITE  
IN BARANGAY'S OF TINTITAN, JOLO AND  
NICANOR ZABALA, ROXAS, PALAWAN  
(OCTOBER 19-20, 2023)

Barangay Tintitan

Barangay Jolo

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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Region IV - MIMAROPA  
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE  
Barangay III, Roxas, Palawan  
Contact no. 09171606578/09175028647  
Email address: cenroroxaspalawan@denr.gov.ph

October 20, 2023

**MEMORANDUM**

FOR : The Regional Executive Director  
DENR MIMAROPA  
155 DENR By The Bay Building, Roxas Boulevard  
Barangay 668, Ermita, Manila

: The Director  
Biodiversity Management Bureau  
Quezon City

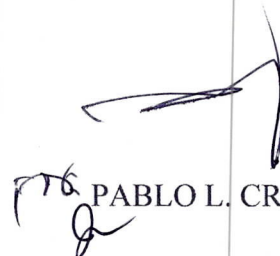
THRU : The PENRO  
Sta. Monica, Puerto Princesa City, Palawan


FROM : The CENRO

SUBJECT : **4th QUARTER DUGONG AND MARINE TURTLE MONITORING  
IN GREEN ISLAND BAY, ROXAS, PALAWAN**


Respectfully forwarded is the report of CENRO Roxas CDS re: dugong and marine turtle monitoring within its AOR, conducted last October 10-13, 2023.

For information and record.

  
PABLO L. CRUZ

DENR-CENRO ROXAS  
RELEASED  
DATE: OCT 23 2023  
BY: 

2023-10-15 15

DENR PENRO  
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DATE: 11/07/2023 CN 23-10675



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Department of Environment and Natural Resources  
Region IV - MIMAROPA  
**COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**  
Barangay III, Roxas, Palawan  
Contact no. 09171606578/09175028647  
Email address: cenroroxaspalawan@denr.gov.ph

October 16, 2023

**MEMORANDUM**

FOR : The Community Environment and Natural Resources Office  
Roxas, Palawan

THRU : The OIC-CDS Chief

FROM : The Undersigned

SUBJECT : **4<sup>th</sup> QUARTER DUGONG AND MARINE TURTLE MONITORING  
IN GREEN ISLAND BAY, ROXAS, PALAWAN**



Please be informed that the undersigned conducted seaborne patrol in Green Island Bay, Roxas, Palawan on October 10-13, 2023. The activity is in connection with the dugong and marine turtle monitoring target of the Conservation and Development Section (CDS) of CENRO Roxas, Palawan.

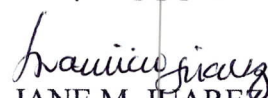
The monitoring team interviewed Barangay 1 residents Mr. Ernesto Clavel and Mrs. Vicky Clavel. According them, they saw a 20-kg dugong in Sitio Tandol, Barangay on October 8, 2023 and another 30-kg dugong on October 9, 2023 in the same area.

The monitoring team was able to take a photo of the dugong in Sitio Tandol on October 10, 2023 and other photo of the dugong in Flat Island (Pagbo Island) on October 12, 2023. In addition, a marine turtle was also captured in the drone shot of Flat Island. It is worth noting that the dugong and marine turtle site is near the mangrove area of Flat Island and is also the roost site of flying fox (kabog) which this Office regularly monitors.

Attached is the site map and photos.

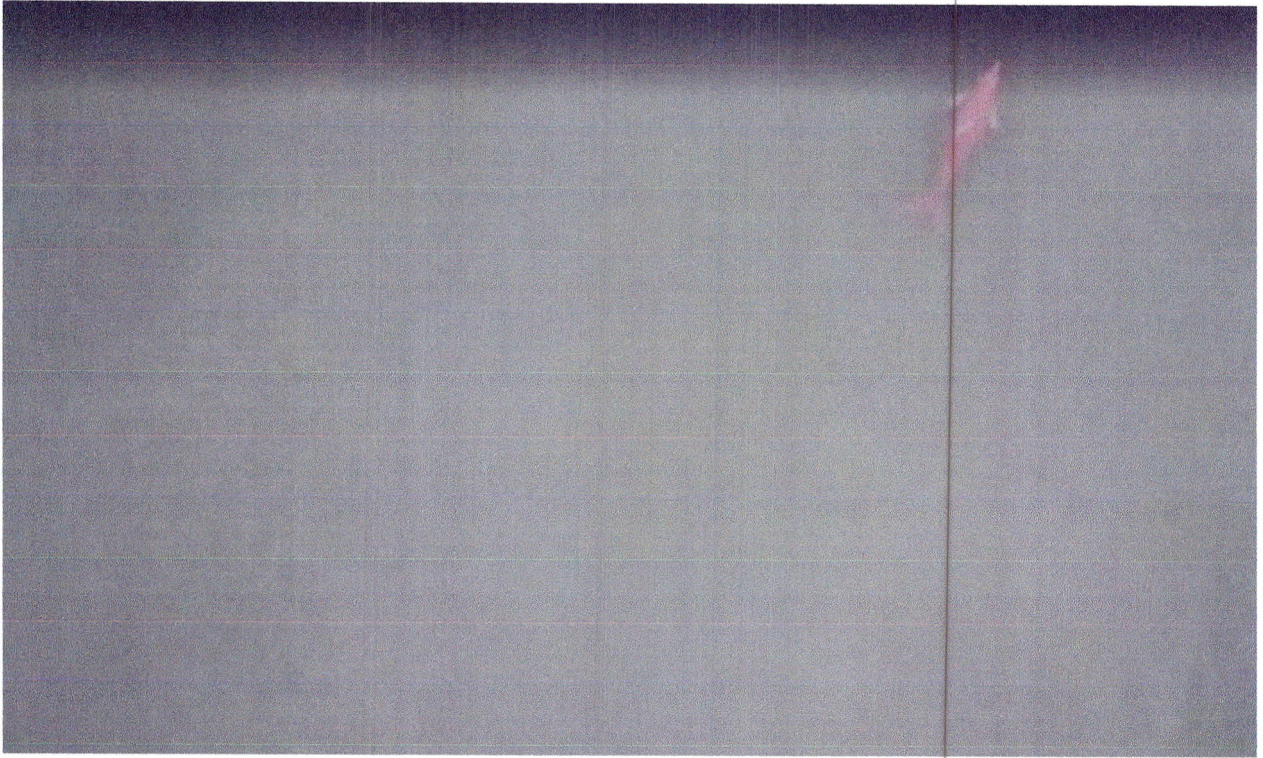
For information and record.

  
CHUCKIE Y. AGUILOS  
FT I

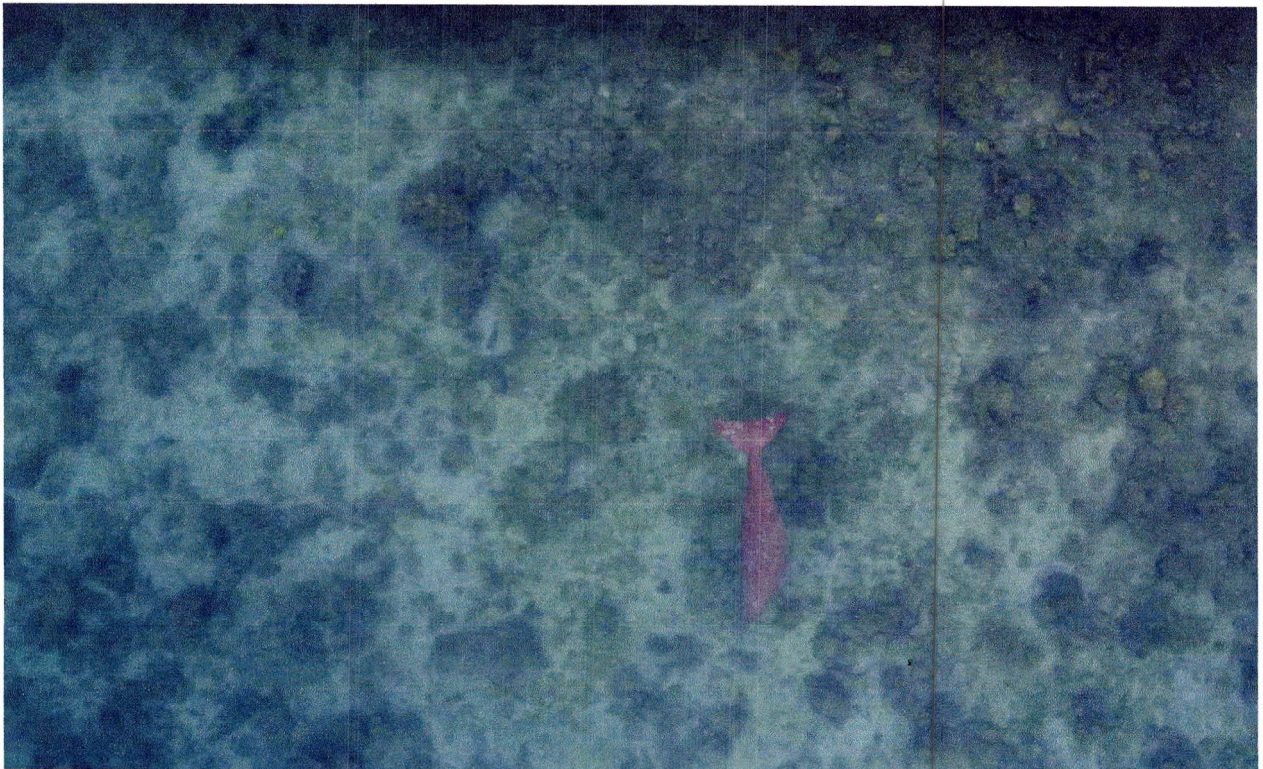
  
JANE M. JUAREZ  
ECOMS I

  
JO ANNIE D. CORVERA  
ECOMS I

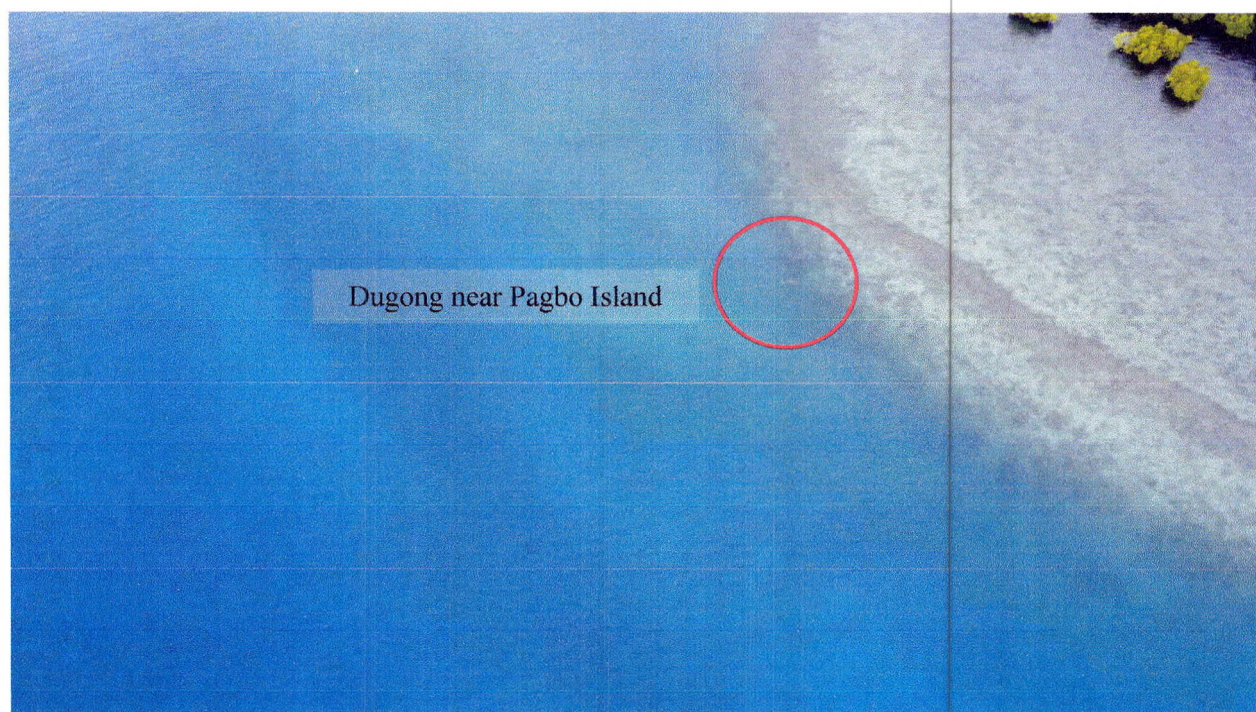
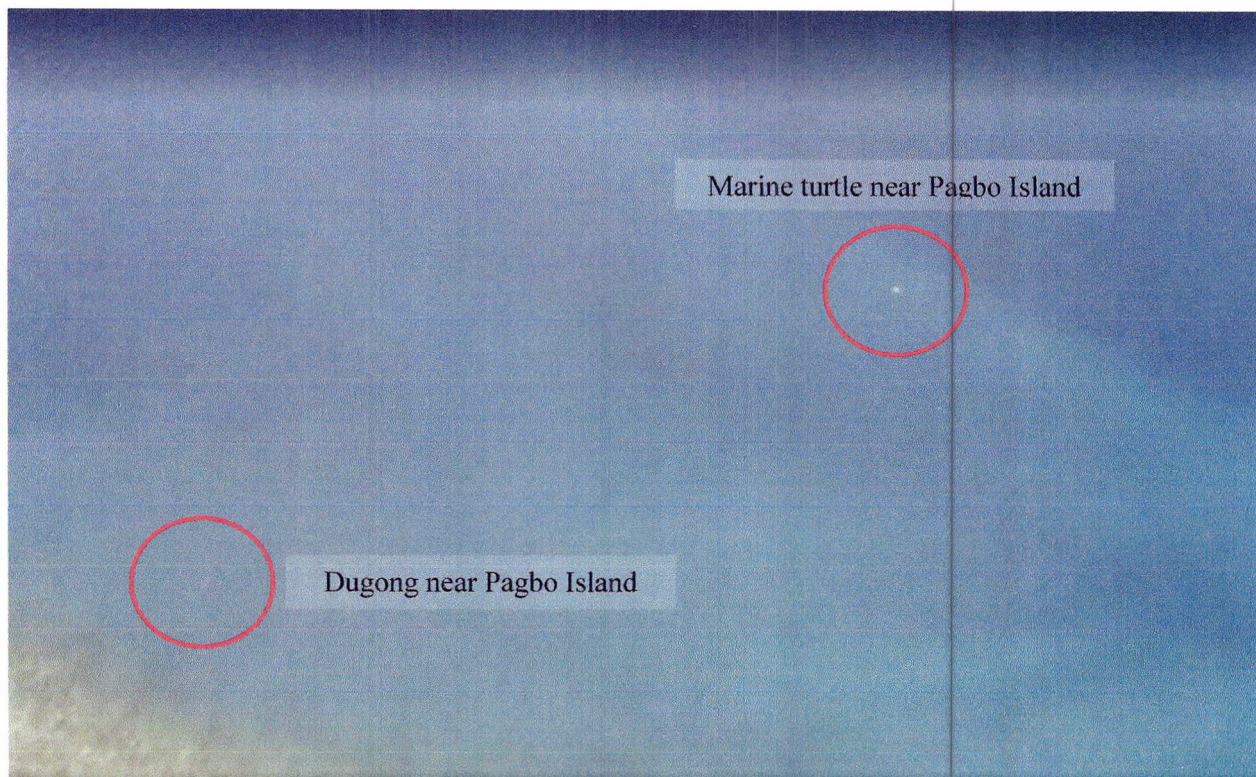
**PHOTODOCUMENTATION:**



Dugong sighting in Sitio Tandel, Barangay 1 (October 10, 2023)



Dugong sighting in Pagbo, Island, Barangay 1 (October 13, 2023)



Dugong and marine turtle sightings in Pagbo, Island, Barangay 1 (October 13, 2023)



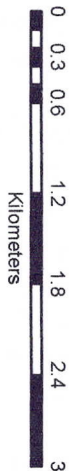
10°18'7"N, 119°21'39"E  
accuracy: 4m



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Department of Environment and Natural Resources  
Region IV - MIMAROPA  
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE  
Bantayan III (Pobleteco), Roxas, Palawan  
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Email address: [CEO-ROXAS@DENR-ROXAS.PW](mailto:CEO-ROXAS@DENR-ROXAS.PW)



SCALE: 1:50,000



Coordinate System: GCS WGS 1984  
Datum: WGS 1984  
Units: Degree

### Legend

- Dugong Sighting
- Marine Turtle Sighting
- Dugong and Marine Turtle Monitoring Site
- World Imagery

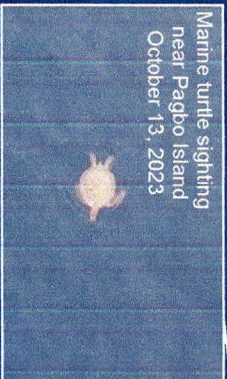
Digitized by:

*CHUCKIE Y. AGUILLOS*  
Forest Technician I

Checked by:

*RENSY MAGDAYAO*  
GIS Focal Person/CDS Chief

## MAP SHOWING THE DUGONG AND MARINE TURTLE MONITORING SITE IN GREEN ISLAND BAY, ROXAS, PALAWAN (October 10-13, 2023)



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community