

MIMAROPA Region

Provincial Environment and Natural Resources Office

Bgy. Sta. Monica, Puerto Princesa City, Palawan E-mail: penropalawan@denr.gov.ph Telfax No. (048) 433-5638

20 June 2023

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DENR MIMAROPA RECORDS SECTION

MEMORANDUM

FOR

The Regional Executive Director

MIMAROPA Region

1515 DENR By the Bay Building, Roxas Blvd.

Barangay 668, Ermita, Manila

THRU

The OIC Assistant Regional Director for Technical Services

Natural Resources Officer

FROM

The Provincial Environment and

ratara resources officer

SUBJECT

ACTIVITY REPORT ON THE CONDUCTED COASTAL AND

MARINE RESOURCES ASSESSMENT AND MONITORING

FOR DRY SEASON CY 2023

Forwarded is the memorandum dated June 19, 2023 of the Conservation and Development Section along with the report on the conducted Coastal and Marine Resources Assessment and Monitoring (CMRAM) for Dry Season at Snake Island NCMCR on June 12-16, 2023, that serves as **Means of Verification (MOV)** to the target activity under Snake Island NCMCR – conduct of Marine Resources Assessment.

Please be informed that a total of twenty-eight (28) participants joined the activity composed of nineteen (19) men and nine (9) women with representatives from BMB-CMD, ERDB-CZFERD, Regional Office – CDD, CENRO Taytay, CENRO Puerto Princesa, City ENRO, Palawan Council for Sustainable Development Staff (PCSDS) PENRO Palawan – CDS and the Snake Island Management Office (SIMO) as host of the activity.

Attached are photo documentation and the attendance sheet.

For information and record.

ELIZARDO B, CAYATOC

RELEASED BY SOLUTION 23-25-14

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PENRO-RECORDS
RELEASED

By
Date: 27 JUN 2029 2023 - 1765



MIMAROPA Region

Provincial Environment and Natural Resources Office

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19 June 2023

PALAWAN RECORDS

MEMORANDUM

:

FOR

The Provincial Environment and

Natural Resources Officer

THRU

The Chief.

Technical Services Division

FROM

The Chief, Conservation and Development Section

Snake Island Management Officer in concurrent capacity

SUBJECT

ACTIVITY REPORT ON THE CONDUCTED COASTAL AND

MARINE RESOURCES ASSESSMENT AND MONITORING

FOR DRY SEASON CY 2023

Respectfully submitted is the activity report of Ms. Demi Patricia Samson, Marine Biologist II, regarding coastal and marine resources assessment and monitoring activity at Snake Island – National Coastal and Marine Center for Research, Honda Bay, on June 12-16, 2023.

As per report, a total of twenty-eight (28) participants joined the activity composed of nineteen (19) men and nine (9) women with representatives from BMB-CMD, ERDB-CZFERD, Regional Office – CDD, CENRO Taytay, CENRO Puerto Princesa, City ENRO, Palawan Council for Sustainable Development Staff (PCSDS) PENRO Palawan – CDS and the Snake Island Management Office (SIMO) as host of the activity.

This will serve as Means of Verification (MoV) to the target activity under Snake Island NCMCR – conduct of Marine Resources Assessment.

Attached are photo documentation and the attendance sheet.

For information and further instruction.

RHODORA B. UBANI



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ACTIVITY REPORT ON THE CONDUCTED COASTAL AND MARINE RESOURCES ASSESSMENT AND MONITORING FOR DRY SEASON 2023

June 12-16, 2023

As part of the target activities of Snake Island – National Coastal and Marine Center for Research for CY 2023, the SIMO hosted the conduct of dry season coastal and marine resources assessment and monitoring at Snake Island NCMCR, Honda Bay on June 12-16, 2023.

A total of twenty-eight (28) participants joined the activity, composed of nineteen (19) males and nine (9) females with representatives from BMB – Coastal and Marine Division, ERDB – Coastal Zone and Freshwater Ecosystems Research Division, Regional Office – Conservation and Development Division, CENRO Taytay, CENRO Puerto Princesa, City ENRO, Palawan Council for Sustainable Development Staff, PENRO Palawan – Conservation and Development Section and the Snake Island Management Office (SIMO) as host of the activity.

On May 25, 2023, a levelling off meeting was conducted with the team via Zoom as part of the preparation for the assessment as well as to discuss the materials needed by the team.

On day 1, upon the arrival at PPS International Airport, the participants proceeded to the Snake Island Management Office. The following team were assigned to respective components:

Corals & Fish	Mangroves	Seagrass	Macrobenthos	Avifauna	Water Quality
Eena Marie Nuevas (BMB)	Alvin Gestiada (ERDB)	Demi Patricia Samson (SIMO)	Annieraj Velasco (ERDB)	Alon Velasquez (ERBD)	Rejaynil Valdez (ERDB)
Joseph Ryan Davalos (BMB)	John Manahan (ERDB)	John Carlo Talan (SIMO)	Julius Landrito (C-PPC)	Myla Adriano (City ENRO)	Julius Landrito (C- PPC)
Raul Abia (BMB)	Sanny Nedroda (SIMO)	Rugymel Monticod (SIMO)	Fatima Grate (Regional Office)	Alonzo Padon (City ENRO)	
Genesis Ustares (PCSDS)	Jessie Escandalio (C- PPC)	Crishell Rose Corpuz (C-Taytay)		Joy Viterbo (City ENRO)	
Krizia Meryl Ecube (PENRO)				Junamae Molato (City ENRO)	
Jamael Masacal (SIMO)				Jessie Escandalio (C- PPC)	
Arni Pabelonio (Dive Master)					



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The actual assessment was completed on the following days. Unfortunately, due to some power source problems for the operation of the dive compressor, the corals and fish components were able to accomplish only 5 out of 6 established stations. The remaining station will be surveyed by the SIMO team. The existence of Crown-of-Thorns was noted in Station 1 according to the corals and fish team's observations.

The seagrass and macrobenthos monitoring team conducted the survey at four (4) established monitoring stations. For station 1, the transect line began at about 3 to 4 feet deep, this is due to the Typhoon Odette that hit the island last December 2021 which caused a sand shift and the covering of seagrass beds near the shoreline of monitoring Station 1. Fortunately, sand shift did not occur in other monitoring stations.

The mangroves monitoring team conducted the survey along the damaged trees on the established permanent plots. They also re-painted and marked the permanent plots.

Surface water samples were analyzed *in situ* using the HORIBA U-53 Water Quality Checker. The following parameters were measured: temperature, pH, oxidation-reduction potential (ORP), conductivity, turbidity, dissolved oxygen, Total Dissolved Solids (TDS), Nitrate-N, Ammonia-N, Phosphate, Total Suspended Solids (TSS) and salinity. A total of 9 stations were sampled, six (6) samples from coral reefs monitoring stations and three (3) samples from seagrass monitoring stations as additional site.

The CPCE, FVC, and Rugosity data from corals and fish components will be processed by the SIMO staff, BMB, and PCSDS to be forwarded to the ERDB for analysis, interpretation, and technical writing. Furthermore, the raw data for mangrove, seagrass, and macrobenthos components had already been obtained and processed by ERDB technical personnel. Moreover, the data on the avifauna community will be forwarded to ERDB once it is processed and submitted by the City ENRO.

This will serve as Means of Verification (MoV) to the target activity under Snake Island NCMCR CY 2023 - Marine Resources Monitoring. Attached is the photo documentation of the activity and attendance sheet. For information and further instructions.

Prepared by:

DEMI PATRICIA D. SAMSON

Marine Biologist II



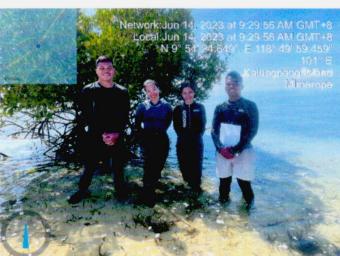
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PHOTO DOCUMENTATION





Seagrass team during the survey and group photo in the survey site





Macrobenthos team during the survey and group photo in the survey site





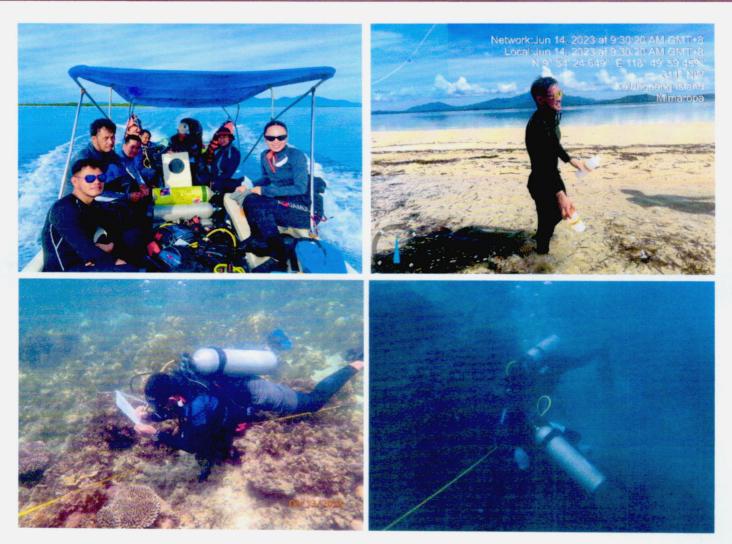
Mangrove Assessment Team



MIMAROPA Region

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Coral Reef, Fish Visual Census, and Water Quality Monitoring Team





Avifauna and fauna team



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Group picture of the CMRAM team



Region IV-MIMAROPA

PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE

Sta. Monica, Puerto Princesa City



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Coastal and Marine Resources Assessment and Monitoring 2023 - Dry Season | Snake Island NCMCR, Honda Bay | June 12, 2023

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Snake Island

Sta. Monica, Puerto Princesa City

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Myla Adriano	-				BMB	2976 2927 980	345/
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20 June 2023

MEMORANDUM

FOR

The Regional Executive Director

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1515 DENR By the Bay Building, Roxas Blvd.

Barangay 668, Ermita, Manila

THRU

The OIC Assistant Regional Director for Technical Services

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Attached are photo documentation and the attendance sheet.

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ELIZARDO B. CAYATOC

DENR-PALAWAN
PENRO-RECORDS

RELEASED

By
Date: 22 JUN 2020 7023-1705



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June 12-16, 2023

As part of the target activities of Snake Island – National Coastal and Marine Center for Research for CY 2023, the SIMO hosted the conduct of dry season coastal and marine resources assessment and monitoring at Snake Island NCMCR, Honda Bay on June 12-16, 2023.

A total of twenty-eight (28) participants joined the activity, composed of nineteen (19) males and nine (9) females with representatives from BMB – Coastal and Marine Division, ERDB – Coastal Zone and Freshwater Ecosystems Research Division, Regional Office – Conservation and Development Division, CENRO Taytay, CENRO Puerto Princesa, City ENRO, Palawan Council for Sustainable Development Staff, PENRO Palawan – Conservation and Development Section and the Snake Island Management Office (SIMO) as host of the activity.

On May 25, 2023, a levelling off meeting was conducted with the team via Zoom as part of the preparation for the assessment as well as to discuss the materials needed by the team.

On day 1, upon the arrival at PPS International Airport, the participants proceeded to the Snake Island Management Office. The following team were assigned to respective components:

Corals & Fish	Mangroves	Seagrass	Macrobenthos	Avifauna	Water Quality
Eena Marie Nuevas (BMB)	Alvin Gestiada (ERDB)	Demi Patricia Samson (SIMO)	Annieraj Velasco (ERDB)	Alon Velasquez (ERBD)	Rejaynil Valdez (ERDB)
Joseph Ryan Davalos (BMB)	John Manahan (ERDB)	John Carlo Talan (SIMO)	Julius Landrito (C-PPC)	Myla Adriano (City ENRO)	Julius Landrito (C- PPC)
Raul Abia (BMB)	Sanny Nedroda (SIMO)	Rugymel Monticod (SIMO)	Fatima Grate (Regional Office)	Alonzo Padon (City ENRO)	1
Genesis Ustares (PCSDS)	Jessie Escandalio (C- PPC)	Crishell Rose Corpuz (C-Taytay)		Joy Viterbo (City ENRO)	
Krizia Meryl Ecube (PENRO)				Junamae Molato (City ENRO)	
Jamael Masacal (SIMO)				Jessie Escandalio (C- PPC)	
Arni Pabelonio (Dive				Tre)	



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Bgy. Sta. Monica, Puerto Princesa City, Palawan E-mail: penropalawan@denr.gov.ph Telfax No. (048) 433-5638

The actual assessment was completed on the following days. Unfortunately, due to some power source problems for the operation of the dive compressor, the corals and fish components were able to accomplish only 5 out of 6 established stations. The remaining station will be surveyed by the SIMO team. The existence of Crown-of-Thorns was noted in Station 1 according to the corals and fish team's observations.

The seagrass and macrobenthos monitoring team conducted the survey at four (4) established monitoring stations. For station 1, the transect line began at about 3 to 4 feet deep, this is due to the Typhoon Odette that hit the island last December 2021 which caused a sand shift and the covering of seagrass beds near the shoreline of monitoring Station 1. Fortunately, sand shift did not occur in other monitoring stations.

The mangroves monitoring team conducted the survey along the damaged trees on the established permanent plots. They also re-painted and marked the permanent plots.

Surface water samples were analyzed *in situ* using the HORIBA U-53 Water Quality Checker. The following parameters were measured: temperature, pH, oxidation-reduction potential (ORP), conductivity, turbidity, dissolved oxygen, Total Dissolved Solids (TDS), Nitrate-N, Ammonia-N, Phosphate, Total Suspended Solids (TSS) and salinity. A total of 9 stations were sampled, six (6) samples from coral reefs monitoring stations and three (3) samples from seagrass monitoring stations as additional site.

The CPCE, FVC, and Rugosity data from corals and fish components will be processed by the SIMO staff, BMB, and PCSDS to be forwarded to the ERDB for analysis, interpretation, and technical writing. Furthermore, the raw data for mangrove, seagrass, and macrobenthos components had already been obtained and processed by ERDB technical personnel. Moreover, the data on the avifauna community will be forwarded to ERDB once it is processed and submitted by the City ENRO.

This will serve as Means of Verification (MoV) to the target activity under Snake Island NCMCR CY 2023 - Marine Resources Monitoring. Attached is the photo documentation of the activity and attendance sheet. For information and further instructions.

Prepared by:

DEMI PATRICIA D. SAMSON

Marine Biologist II



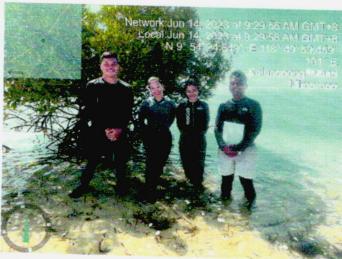
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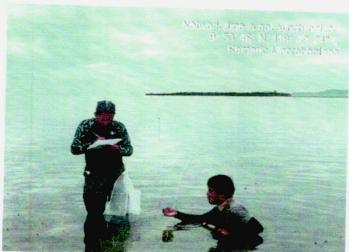
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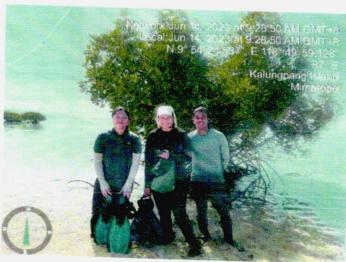
PHOTO DOCUMENTATION





Seagrass team during the survey and group photo in the survey site





Macrobenthos team during the survey and group photo in the survey site



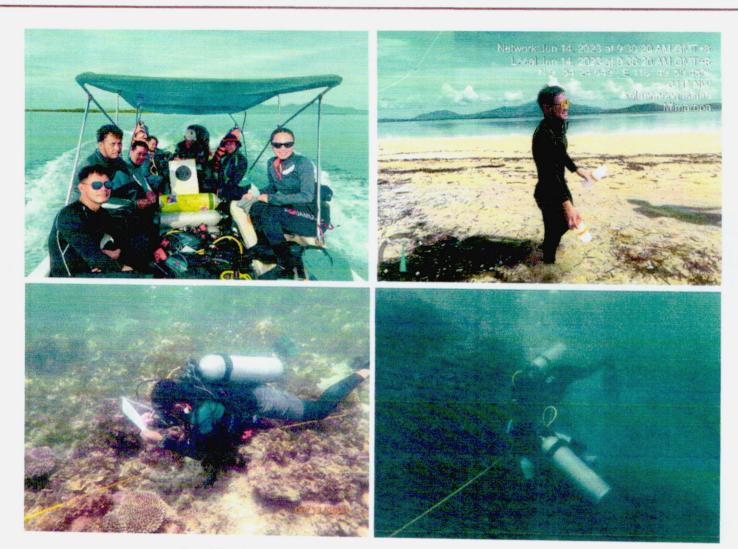




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Coral Reef, Fish Visual Census, and Water Quality Monitoring Team





Avifauna and fauna team



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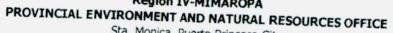
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