



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



September 5, 2022

MEMORANDUM

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

THRU : The ARD for Technical Services

FROM : The Provincial Environment and
Natural Resources Officer

SUBJECT : **ACTIVITY REPORT ON CONDUCTED WORKSHOP FOR
SNAKE ISLAND NCMCR OPERATIONAL PLAN 2023-2028 AT
SPLASH MOUNTAIN, LOS BAÑOS, LAGUNA ON AUGUST 10-
12, 2022**

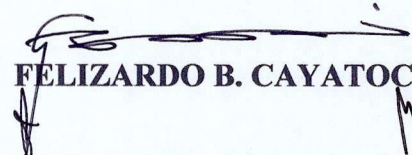
Forwarded is the memorandum dated August 25, 2022 of SIMO/CDS Chief Rhodora B. Ubani along with the activity report of Marine Biologist II Genesis Z. Ustares of Snake Island NCMCR.


As per report, a total of thirty (30) individuals, seventeen (17) females and thirteen (13) males participated in the said activity on August 10-12, 2022.

This serves as our Means of Verification (MoV) for the target on the meetings/conferences and other related activities under Implementation of Operational Plan.

For information and record.




FELIZARDO B. CAYATOC

DENR-PALAWAN
PENRO-RECORDS
RELEASED
By 
Date: _____ CN 22-2230

06 SEP 2022



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25 August 2022

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 CONDUCTED WORKSHOP FOR
SNAKE ISLAND NCMCR OPERATIONAL PLAN 2023-2028 AT
SPLASH MOUNTAIN, LOS BAÑOS, LAGUNA ON AUGUST 10-
12, 2022**

DENR PENRO
PALAWAN RECORDS
RECEIVED
BY: *[Signature]*
DATE: 08-20-2022 22-7734

Respectfully submitted is the activity report of Mr. Genesis Z. Ustares on the conducted workshop for Snake Island – National Coastal and Marine Center for Research Operational Plan 2023-2028 held on August 10-12, 2022 at Splash Mountain, Los Baños, Laguna.

As per report, a total of thirty (30) individuals participated in the activity, seventeen (17) females and thirteen (13) males which represents the following agencies: Ecosystems Research and Development Bureau (ERDB), Biodiversity Management Bureau – Coastal and Marine Division (BMB-CMD), MIMAROPA Region – CDD, Palawan Council for Sustainable Development Staff (PCSDS), PENRO Palawan, CENRO Puerto Princesa and Snake Island Management Office (SIMO).

This will serve as Means of Verification (MoV) for Snake Island NCMCR CY 2022 activities. Attached is the copy of activity report and photo documentation.

For your information and further instructions.

[Signature]
RHODORA B. UBANI



**HIGHLIGHTS OF THE CONDUCTED WORKSHOP FOR SNAKE ISLAND
NCMCR OPERATIONAL PLAN 2023-2028 HELD ON AUGUST 10-12, 2022 AT
SPLASH MOUNTAIN, LOS BAÑOS, LAGUNA**

Attendance:

1. Ms. Maria Lourdes G. Ferrer – ERDB
2. Ms. Maria Lourdes Moreno – ERDB
3. Mr. Jose Isidro Michael Padin – ERDB
4. Ms. Annieraj Velasco – ERDB
5. Mr. Alvin Gestia – ERDB
6. Ms. Mariche Natividad – ERDB
7. Ms. Charvie Richel Anne H. Batonico – ERDB
8. Ms. Allysa Marie Federio – ERDB
9. Mr. Gregorio Santos Jr. – ERDB
10. Mr. Rhenzo V. Rance – ERDB
11. Mr. Alon Velasquez – ERDB
12. Mr. November Romena – ERDB
13. Mr. Alan Castillo – ERDB
14. Mr. Darwin Monilla – ERDB
15. Ms. Eunice Lyn Aguinaldo – ERDB
16. Ms. Maria Marcia Santillan – ERDB
17. Ms. Hannah Kezziah Padin – ERDB
18. Ms. Armida Andres – BMB
19. Ms. Desiree Eve Maaño – BMB
20. Ms. Lea Avilla – BMB
21. Mr. John Erick Avelino – BMB
22. Mr. Joaquin Rogelio Silvestre – BMB
23. Mr. John Michael Cornito – BMB
24. Ms. Cherry Lyn Par – PCSDS
25. Ms. Ma. Cecille Sawit – MIMAROPA Region
26. Mr. John Kingston Wilson – MIMAROPA Region
27. Ms. Rhodora Ubani – PENRO Palawan
28. Mr. Genesis Ustares – PENRO Palawan
29. Mr. Julius Landrito – PENRO Palawan
30. Ms. Ma. Vivian Soriano – CENRO Puerto Princesa

Objectives:

1. Review the existing Operational Plan 2018-2022;
2. Formulation of the 5-Year Operational Plan for 2023-2028;
 - a. Program 1: Field Station for Applied Research for Coastal and Marine and Terrestrial Environment



- b. Program 2: Model Site for Integrated Coastal Management Implementation
- c. Program 3: Maintenance and Protection of the Coastal and Marine Ecosystem
- 3. Proposed Design for the Snake Island Marine Research Laboratory;
- 4. Review the Snake Island Research Agenda 2018-2022;
- 5. Discuss other concerns; and
- 6. Way forward

The workshop was started around 2:00 PM of August 10, 2022 with a prayer led by Ms. Mariche Natividad followed by singing of the National Anthem. Opening remarks was given by ERDB Director Ma. Lourdes Ferrer. It was followed by presenting the overview of the workshop given by Ms. Lea Avilla of BMB-CMD then presenting the working document of the Operational Plan 2023-2028 by Mr. Genesis Ustares. Workshop proper per Program and presentation of output was done on Day 2. Other concerns such as Snake Island Research Laboratory and Research Agenda was discussed on Day 3 with the following highlights and agreements:

Workshop Highlights and Agreements:

Program 1: Field Station for Applied Research for Coastal and Marine and Terrestrial Environment.

- 1. The activities that were not conducted during SIOP 2018-2022 will be continued and will accomplish during SIOP 2023-2028.
- 2. Research agenda 2018-2022 was incorporated in OP 2023-2022 under the research priority areas with identified agency to do the study.
- 3. Short Term Research – less than one (1) year
 - a. The review committee will be ERDB and PCSDS
- 4. Medium Term Research – one (1) to four (4) years
 - a. The review committee will be ERDB, BMB, DENR Regional Office and PCSDS
- 5. Long Term Research – five (5) years onwards
 - a. The review committee will be ERDB, BMB, DENR Regional Office, PCSDS and academe
 - b. PENRO Palawan was excluded from the review committee because SIMO was under in this office, which also serves as the secretariat
- 6. Foreign entities applying to conduct research in Snake Island
 - a. ERDB will provide the guidelines regarding the foreign entity studies or project for Snake Island
- 7. Inclusion of marine debris monitoring and gleaning monitoring in coastal and marine assessment and monitoring, as these were already conducted by SIMO Personnel.
- 8. Plankton community survey will be coordinated with Western Philippines University for the technical capacity and use of equipment and laboratory.



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9. On the proposed research fee for the researches who will utilize the facilities of Snake Island, suggestion to replace with donation fee for the the maintenance of facilities and equipment.
10. Under the facility and development:
 - a. With regards to the new construction of building/facility in the island, as lesson learned from Typhoon Rai, Director Ferrer pointed out that since the existing structures are in violation of easement zones, additional construction should be in compliant with the DENR policies and further recommends a structure made from light materials that would only accommodate researchers and staff to man the island. All existing equipment and investments will be house in the mainland.
 - b. Setting up of RSET (Rod Surface Elevation Table) will be conducted in the next year 2023.
 - c. Proposal to establish tide monitoring station and weather monitoring instruments in coordination with the NAMRIA and PAGASA, respectively.
11. The following are the revised content of the Program 1:
 - a. Research and Development Area
 - i. Research Priority Area
 - ii. Guideliens Governing the Conduct of Research within Snake Islnad
 1. Rationale
 2. Definition and Scope of Research
 3. Research Period
 - a. Short-term
 - b. Medium-term
 - c. Long-term
 4. Submission of Research Proposal and Grant of Permission to Study
 5. General Provision
 - a. Collaboration/Partnership with DENR and Proponents
 - b. Research Fee/Donation
 6. Foreign Entities Applying to Conduct Research in Snake Island
 7. Research Template
 - b. Facility and Development
 - i. R-SET
 - ii. Snake Island Marine Laboratory
 1. Laboratory
 2. Tide Station and Weather Monitoring Instruments (NAMRIA, PAGASA)
 - c. Coastal and Marine Resources Assessment and Monitoring
 - i. Coral Reefs
 - ii. Reef Fish Assemblages



- iii. Seagrass Beds Community and Associated Macrobenothos
- iv. Mangroves and beach Forest Community
- v. Coastla and Terrestrial Vertebrate Fauna
- vi. Plankton Community
- vii. Vulnerability Assessment and Coastal Integrity
- viii. Marine Debris
- ix. Gleaner's / Sea Shell Gathering
- d. Partnership and Collaboration with other agency
 - i. Partnership with Academe and other Institution such as NAMRIA and PAGASA

Program 2: Model Site for Integrated Coastal Management Implementation

1. The organizational structure of Snake Island Management Office will be move after the profile of Snake Island and will title as Operationalization of Snake Island Management Office section, since this is an overarching activity/component of the 3 programs.
2. Organizational Structure of SIMO will include 3 units: Integrated Coastal Management Unit, Communication and Extension Unit and Monitoring and Maintenance Unit.
 - a. Research and Development Unit was replaced by Communication and Extension Unit, because RDU will just duplicate the functions of the research centers of ERDB;
3. There was a proposal that the SIMO will be under the ERDB-UBRDEC to support the plantilla position rather than establishing a new plantilla that would take more years to discuss with the higher authorities and DBM;
4. Presence of dive master in every underwater activity within the island is required by the Philippine Coast Guard.
 - a. Likewise recommended to have diver's insurance and certifications to the SIMO SCUBA divers.
5. Major revisions of activities from Program 2 will move to Cross-cutting Strategies as new section of the Plan;
6. Cross-cutting strategies section will include the following content:
 - a. Capacity Building
 - i. Internal capacity building plan implementation
 - ii. External capacity building plan implementation
 - b. Social marketing and mobilization
 - i. Local community mobilization
 - ii. Research for a (science communication)
 - iii. CEPA activities
 - c. Partnership building
 - i. HEI, NGO/Private Partners, International Institutions
 - d. Knowledge Management
 - i. Research data (anchored under Palawan Knowledge Platform of PCSDS)



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- ii. ICM and BDFE related data (anchored to CMEMP KMS)
- iii. Data maintenance
- 7. The revised activities under Program 2 are the following:
 - a. Integrated Coastal Management (IMC) Mainstreaming
 - i. CLUP and ECAN map integration
 - ii. Threat identification and strategies formulation
 - b. Biodiversity Friendly Enterprise (BDFE)
 - i. Application of BDFE technologies as opportunity for the local community
 - 1. Sea cucumber ranching
 - 2. Seaweed farming
 - ii. Assessment of existing People's Organization (POs) within Honda Bay for BDFE appraisal

Program 3: Maintenance and Protection of the Coastal and Marine Ecosystem

- 1. Request for Barangay resolution to support the conservation and protection of Snake Island along with the approved Management Zones of the island (Barangay San Jose, Maruyugon and Sta. Cruz)
- 2. Revisit the existing resolution issued by 5 barangays Barangays Sta. Lourdes, Tagburos, Bacungan, Salvacion and Manalo, Puerto Princesa City.
- 3. Strengthen the partnership with the existing Law Enforcement Agencies such as Puerto Princesa City Environmental Task Force headed by the City Government Office.
- 4. Presentation to the Sangguniang Panlungsod of Puerto Princesa City requesting a resolution to support the conservation and protection of Snake Island.
- 5. Include the updating of cases filed against illegal settlers within the Island.
- 6. With regards with the repairs of damage structures:
 - a. The repair and maintenance of the existing building must be well coordinated to COA.
 - b. No need to have a major repair instead build a new building that will compliant to the easement policies and based on the recommendation geotechnical investigation report.
 - c. Coordination with the DPWH for the suitable design of the new building for the island.
 - d. Build a smaller/lighter structure for the researchers or SIMO Staff, and the high-tech instruments or equipment will be stored on the mainland.
- 7. Management Zone
 - a. Submit Snake Island's management zone to city planning for inclusion on their ECAN map.
 - b. There is no need to modify the management zone for the partner stakeholders; instead, we must educate them on an alternate fishing activity that is compliant with the Operational Plan.
- 8. Inclusion of radio programs/guesting's/plugging's on social media platforms as part of CEPA activities;



- a. Further, production of AVP's
9. On the response plan for the climate related hazards, suggestion to capacitate SIMO personnel on Emergency Preparedness in coordination with the CDRRMO;
 - a. Suggestion to formulate emergency action plan;
10. Inventory and Maintenance of Existing Structures, Facilities and Equipment
 - a. Diving Gears must be included in the inventory and maintenance especially the diving tanks, BCD and regulators.
 - b. Water Quality Checker also must include in the inventory and maintenance.

Proposed Snake Island Marine Research Laboratory:

1. Snake Island Research Laboratory will house the following laboratory: Botany, Zoology and Marine Chemistry;
2. Consideration of the freshwater and electricity requirement of the laboratory since there's a limited source of both in the island;
3. Consultation to the structural engineer or architect for the design of laboratory as climate resilient structure and in agreement with the recommendations of geotechnical investigation report.

Snake Island Research Agenda:

1. Research agenda was incorporated in the Operational Plan as Research Priority Areas with identified research center of ERDB, academic institution or agency to implement the study and timelines.

Way Forward:

The workshop was concluded with the following way forward:

1. The detailed write shop of Operational Plan was tasked per respective TWG members assigned per Program.
 - a. Timeline of accomplishment: September 2022
2. Presentation to the EXECOM of the working documents incorporating the outputs of workshop – c/o with the MIMAROPA Region
 - a. Timeline of accomplishment: November-December 2022
3. Presentation of the Operational Plan to partner agencies and conduct of Public Hearing: 1st quarter of 2023
4. Finalization: proofreading, layout and printing of Operational Plan (for contract out) – 2nd quarter of 2023
5. Distribution of printed Operational Plan to partners – 3rd quarter of 2023

The program was officially ended by giving the closing remark of Dr. Ma. Lourdes Moreno, Chief of CZFERD – ERDB, that acknowledged the active participation of the partners



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and fruitful 3-days workshop for the review of Snake Island – National Coastal and Marine Center for Research Operational Plan 2023-2028.

This will serve as Means of Verification (MoV) for Snake Island – National Coastal Marine Center for Research CY 2022 activities.

Prepared by:

GENESIS Z. USTARES

Marine Biologist II



Photo Documentation



Photo during ERDB Director Maria Lourdes Ferrer delivered her welcome remarks



Photo during Marine Biologist Genesis Z. Ustares presented the Draft Snake Island Operational Plan 2023-2028



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Group photo during the Workshop on Snake Island Operational Plan for 2023-2028 which participated by ERDB, BMB, DENR-MIMAROPA, PCSDS, PENRO Palawan, SIMO and CENRO-Puerto Princesa City

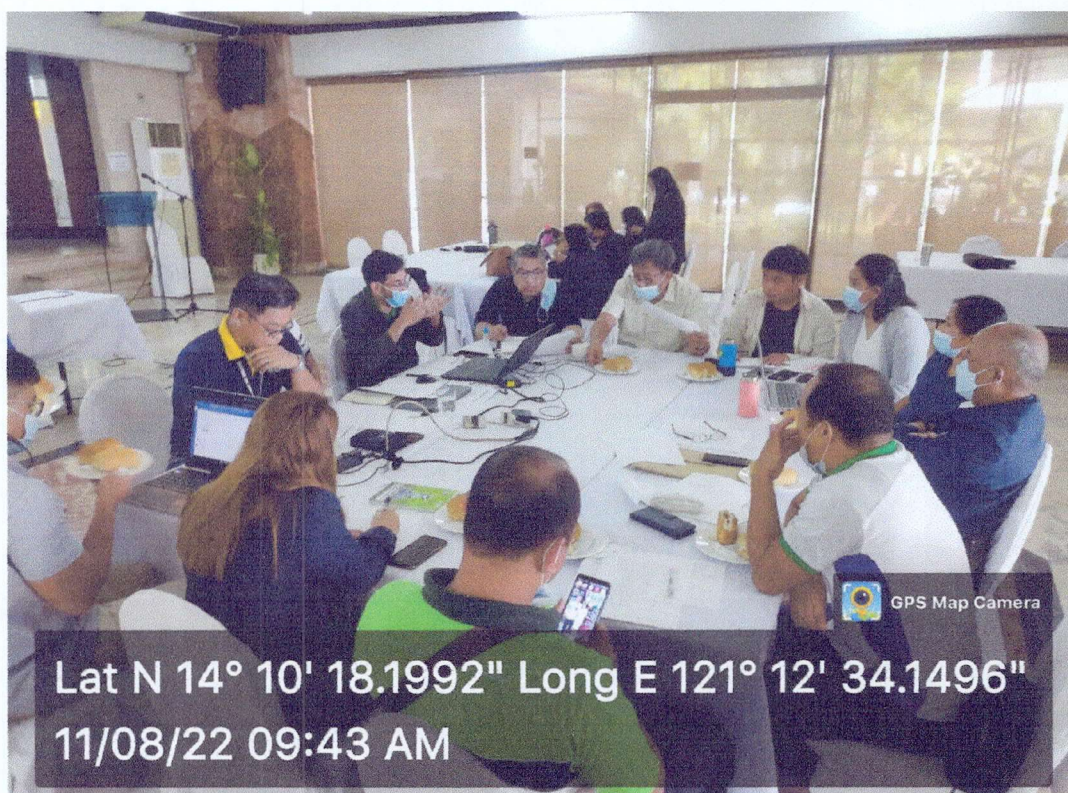


Photo of Program 1 Group during the Workshop/Writeshop on Snake Island Operational Plan for 2023-2028 which focuses on the Field Station for Applied Research for Coastal and Marine and Terrestrial Environment



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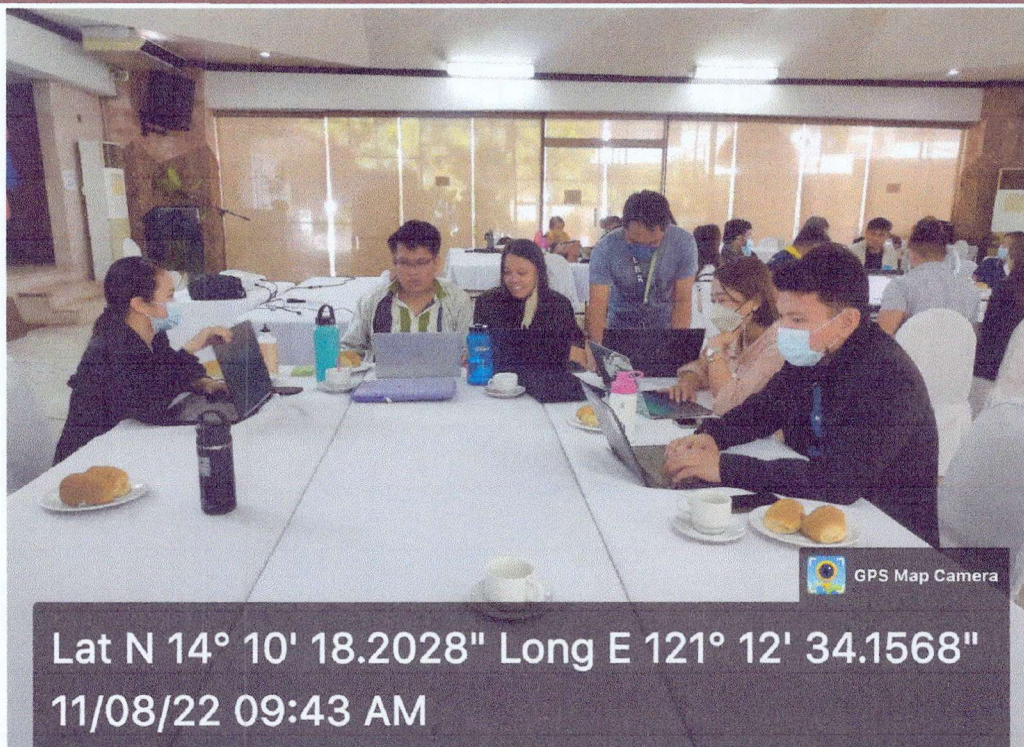


Photo of Program 2 Group during the Workshop/Writeshop on Snake Island Operational Plan for 2023-2028 which focuses on the Model Site for Integrated Coastal Management Implementation

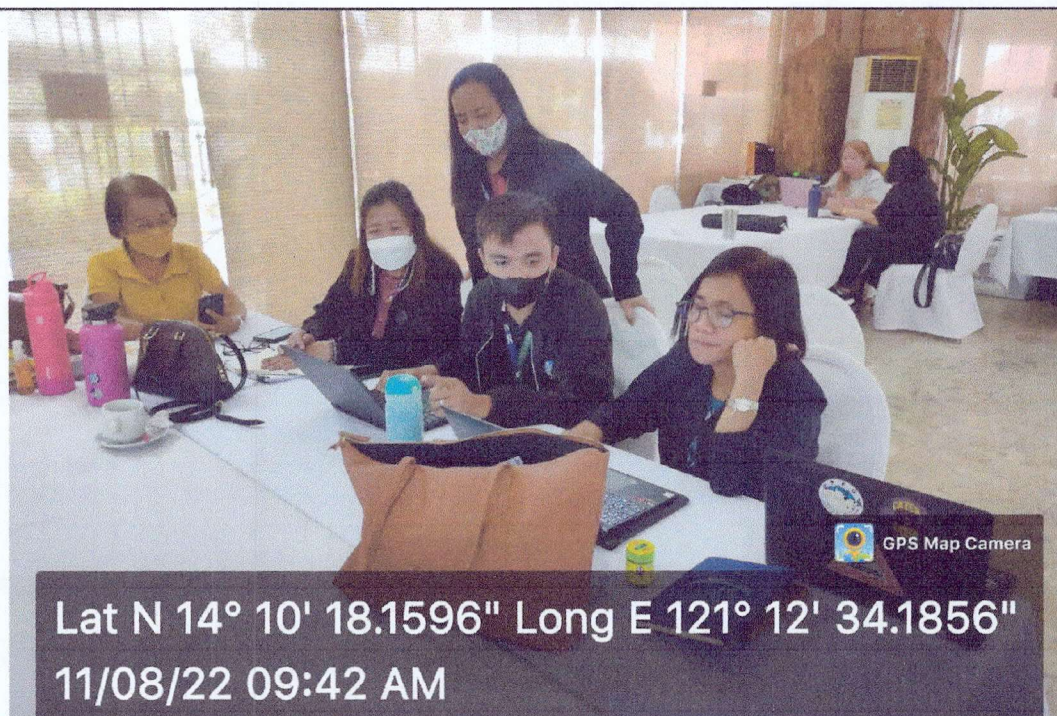


Photo of Program 3 Group during the Workshop/Writeshop on Snake Island Operational Plan for 2023-2028 which focuses on the Maintenance and Protection of the Coastal and Marine Ecosystem