



Republic of the Philippines
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October 5, 2022

MEMORANDUM

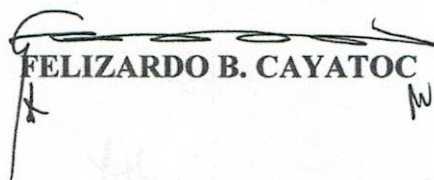
FOR : **The Regional Executive Director**
DENR MIMAROPA
1515 L&S Bldg., Roxas Blvd.
Ermita, Manila

FROM : The Provincial Environment and
Natural Resources Officer


SUBJECT : **3rd QUARTER ACCOMPLISHMENT REPORT OF**
SNAKE ISLAND – NCMCR FOR CY 2022

Forwarded is the memorandum dated October 4, 2022 from PENRO CDS pertaining on the submission of 3rd Quarter Accomplishment Report of Snake Island – National Coastal and Marine Center for Research for CY 2022.

For information and record.


FELIZARDO B. CAYATOC



DENR-PALAWAN
PENRO-RECORDS
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Date **10 OCT 2022** CN **22-2675**

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October 4, 2022

MEMORANDUM

FOR : The Provincial Environment and
Natural Resources Officer

FROM : Rhodora B. Ubani
Chief, Conservation and Development Section
Snake Island Management Officer (SIMO) in concurrent capacity

SUBJECT : **3rd QUARTER ACCOMPLISHMENT REPORT OF
SNAKE ISLAND – NCMCR FOR CY 2022**

Submitted is the 3rd Quarter Accomplishment Report of Snake Island – National Coastal and Marine Center for Research for CY 2022.

Attached is the narrative report, photo documentation and Snake Island personnel's monthly accomplishment reports.

For your information and further instructions.


RHODORA B. UBANI



**3rd QUARTER
ACCOMPLISHMENT REPORT
CY 2022**

Snake Island

**National Coastal and
Marine Center for Research
(SI-NCMCR)**

Republic of the Philippines
Department of Environment and Natural Resources

MIMAROPA Region

PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE

Province of Palawan

SNAKE ISLAND NATIONAL COASTAL AND MARINE CENTER FOR RESEARCH



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3RD QUARTER (JULY-SEPTEMBER) ACCOMPLISHMENT REPORT OF SNAKE ISLAND AS THE DENR NATIONAL COASTAL AND MARINE CENTER FOR RESEARCH FOR CY 2022

A. Implementation of Operational Plan

- The review of the existing Operational Plan 2018-2022 and formulation of Snake Island NCMCR Operational Plan for CY 2023-2028 was conducted on August 10-12, 2022 at Splash Mountain, Los Baños, Laguna. A total of thirty (30) DENR personnel participated the said activity from DENR-ERDB, DENR-BMB, DENR MIMAROPA Region, PCSDS, PENRO Palawan and CENRO Puerto Princesa.



Photos of Group 1(left) and Group 2 (right) during the Workshop on Snake Island Operational Plan for 2023-2028 for Program 1: Field Station for Applied Research for Coastal and Marine and Terrestrial Environment and Program 2: Model Site for Integrated Coastal Management Implementation



Photos of Group 3 during the Workshop on Snake Island Operational Plan for 2023-2028 for Program 3: Maintenance and Protection of the Coastal and Marine Ecosystem



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

B. CEPA Campaign

- Communication, Education and Public Awareness was conducted in three remaining targeted barangays such as Barangay Manalo, Tagburos and Sta. Lourdes. To enhance the level of awareness of the council of Barangay Manalo in conservation and protection activities undertaken by the DENR and to prepare them to be part of strong collaborative research at Snake Island, Blue Carbon and Citizen Science Monitoring and Management of Blue Carbon were discussed on July 1, 2022. Also, initiatives taken at Snake Island NCMCR, Blue Carbon and Marine Debris were discussed at Aplaya, Barangay Tagburos and Honda Bay Wharf, Barangay Sta. Lourdes on July 4-5, 2022.



Group photo after the conducted CEPA with the fisherfolks at Honda Bay, Barangay Sta. Lourdes, Puerto Princesa City



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Group photo after the conducted CEPA with the council of Barangay Manalo, Puerto Princesa City



Group photo after the conducted CEPA with the fisherfolk at Aplaya, Barangay Tagbueros, Puerto Princesa City

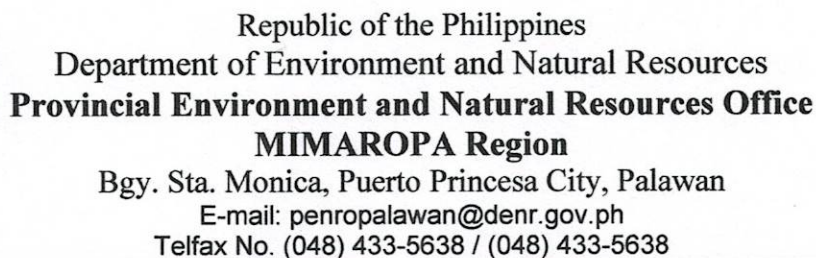


- **Distribution of Snake Island IEC Collaterals**

-To raise awareness and increase voluntary participation in conservation and protection of our marine resources at Snake Island and also the entire Honda Bay, the production and distribution of Snake Island NCMCR IEC collaterals were distributed to seven (7) barangays which are located near or fronting the Honda Bay. A hundred (100) pieces of Snake Island brochures, twenty-five (25) pieces of Snake Island notebooks, ten (10) pieces of Snake Island tote bags, ten (10) pieces of Snake Island fisherman bucket hats and ten (10) pieces of Snake Island t-shirts that were distributed to the council of Barangay San Jose, Barangay Tagbueros, Barangay Sta. Lourdes, Barangay Bacungan, Barangay Sta. Cruz, Barangay Salvacion and Barangay Manalo, Puerto Princesa City on September 9, 2022.

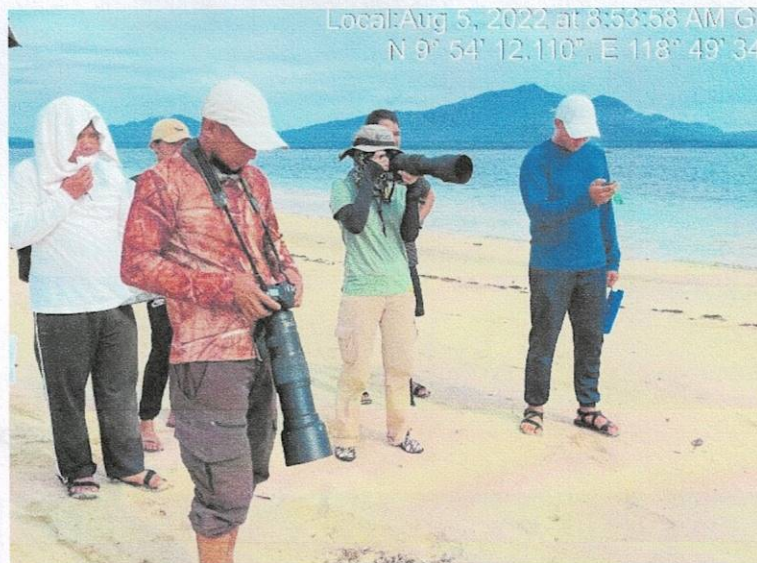


Distribution of Snake Island IEC collaterals at Barangay Manalo (upper left), Barangay Salvacion (upper right), Barangay Sta. Cruz (lower left) and Barangay Bacungan (lower right), Puerto Princesa City



• 3RD QUARTER WATERBIRDS MONITORING

A group of people are gathered on a sandy beach. In the foreground, a person wearing a green t-shirt, light-colored pants, and a wide-brimmed hat is using a large, black telescope to look out at the ocean. To their left, another person in a light blue shirt and grey pants stands watching. In the background, several other people are visible, some walking and others standing. The beach is bordered by a line of green trees and bushes, and the ocean is visible in the distance under a clear sky.



Photos during the 3rd quarter waterbirds monitoring on August 5, 2022

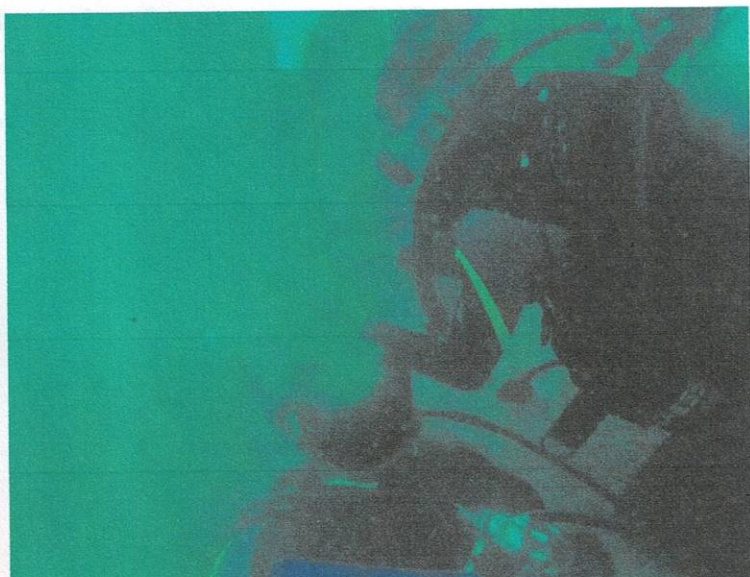
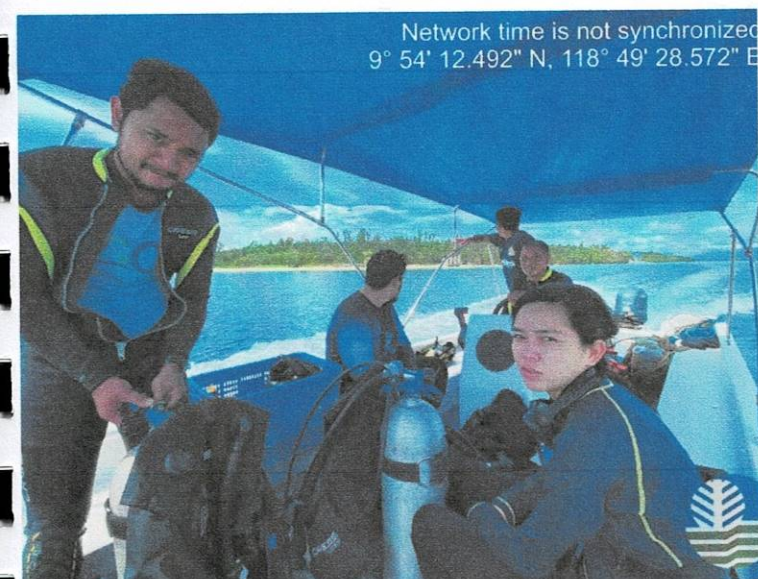


- **ARMS MONITORING**

-Redeployment of the ARMS unit on July 27, 2022 and regular monitoring to secure the presence of Autonomous Reef Monitoring Structure (ARMS) unit on August 24 and September 21, 2022 in the monitoring station no. 2 with coordinates 09°54'34" N, 118°49'47" E in 18 meter's depth.



ARMS Redeployment activity on July 27, 2022



ARMS monitoring on August 24, 2022



ARMS Redeployment activity on September 21, 2022

- **Marking blocks fabrication for coral reef stations**

-Fabricated and painted one hundred- four (104) blocks to serve as markers or pointers for three (3) transects of both shallow and deep portions of six (6) stations for coral reef monitoring at Snake Island NCMCR as preparation for the conduct of Coastal and Marine Resource Assessment and Monitoring for wet season 2022 that will be scheduled for the month of October 2022.



Photos of SIMO personnel during the painting of blocks on September 28, 2022



D. Maintenance of buildings and other facilities

-Repair of the Snake Island's kitchen, elevation of flooring of the kitchen, repair of the gutter and replacement of outer ceiling of admin building, demolition of the dive house, repair of the roof of the generator house, repair of railings of the boardwalk, repair and re-installation of the signage located in the northern part of the island, repainting of kitchen, tables and chairs and troubleshooting of Speedboat.



Photos before and after the repair of kitchen at Snake Island NCMCR on July 13 and 26, 2022



Photos before and after the elevation of flooring of kitchen at Snake Island NCMCR on July 13 and 26, 2022



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Photos before and after the repair of the gutter and replacement of ceiling at Snake Island NCMCR on July 13 and 26, 2022



Photos before the demolition of dive house at Snake Island NCMCR on July 15, 2022

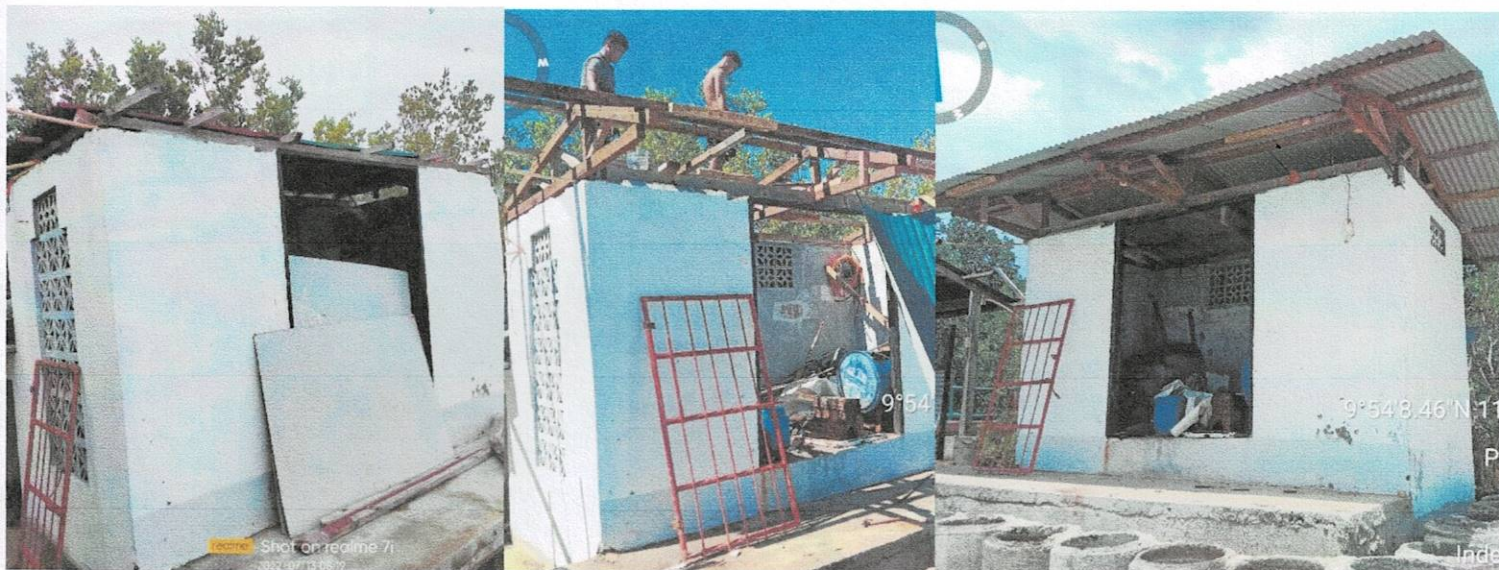


Photos after the demolition of dive house at Snake Island NCMCR on July 22, 2022

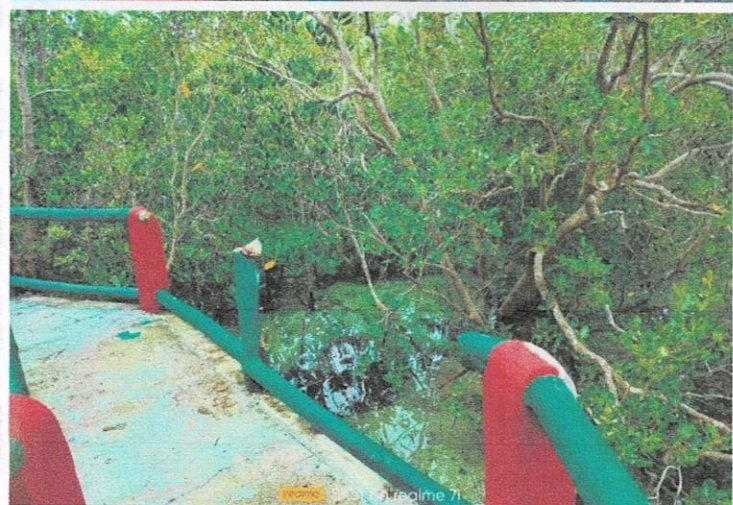


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Photos before and after repair of the roof the generator house at Snake Island NCMCR on July 13 and 22, 2022



Photos before and after the repair of railings of the boardwalk at Snake Island NCMCR on July 13 and 21, 2022



Photos during the repainting of kitchen, tables and chairs on August 20, 2022 at Snake Island NCMCR



Photos during the troubleshoot of Speedboat of Snake Island on September 8, 2022



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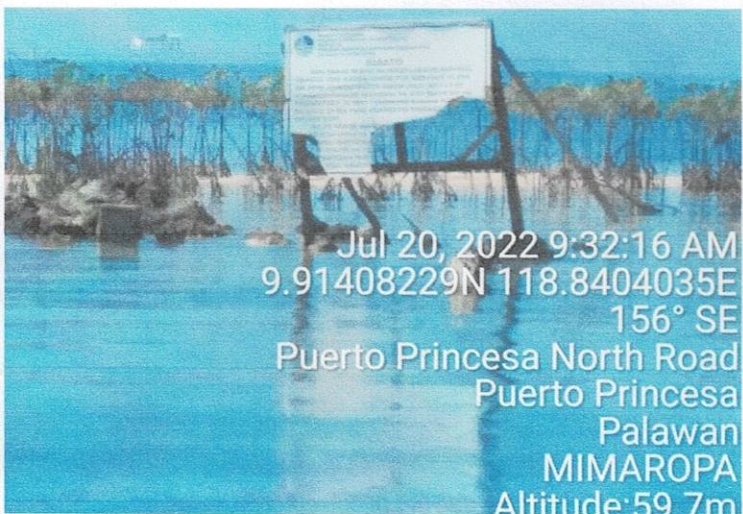
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E. Program and monitoring activities

- Repaired the footing, re-installed a new signage in the northern part of Snake Island on July 21, 2022 and conducted land and sea patrol at Snake Island NCMCR to monitor other anthropological activities conducted in the island for potential studies. Likewise, recorded and reported illegal activities observed within area jurisdiction for the months of July to September 2022.



Photos during the repair of the footing of signage in the northern part of Snake Island NCMCR on July 21, 2022



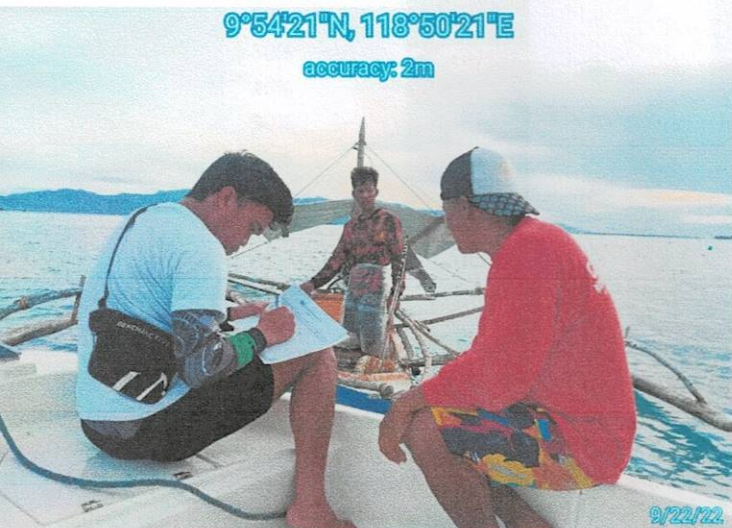
Photos during the re-installation of a new signage in the northern part as part of the land patrol of Snake Island Management Office



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Sea Patrol of Snake Island NCMCR personnel led by Law Enforcement Officer Rugymel D. Monticod was continuously conducted for the 3rd Quarter of 2022. Also, the Snake Island Management Office (SIMO) continuously receive and gather data on morphometric parameters and other details of the by-catch of Horseshoe crabs that were turned-over by the fishermen as part of the on-going study on Horseshoe crabs led by DENR-ERDB.



Photos during the sea patrol at Snake Island by Law Enforcement Officer Rugymel D. Monticod



Photos of gathering data on morphometric parameters and other details of the by-catch Horseshoe crabs on September 29, 2022

Figure 2: Seven (7) identified barangays that benefited on marine resources of Snake Island were highlighted for the 3rd quarter of CY 2022, namely: Basang, Taguana with the highest number of sightings recorded followed by San Jago, San Lorenzo, Maruyogan, Salasor and San Jago Basang.



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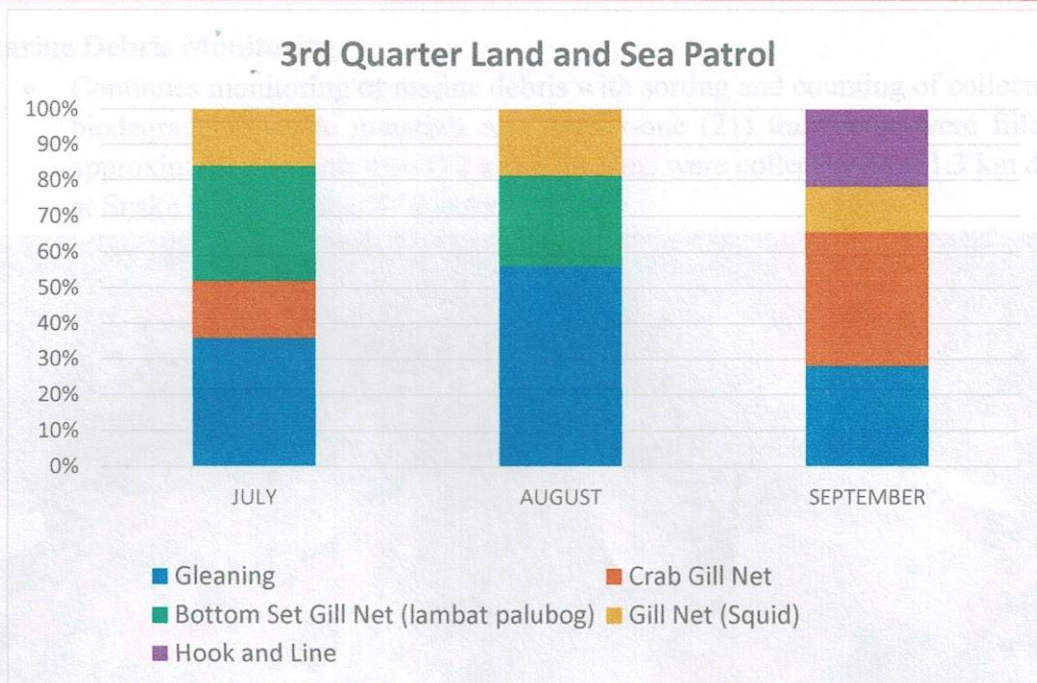


Figure 1: Five main fishing activities identified in the island for the month of July to September 2022 with Gleaning as the fishing activity with the highest number of fisherfolks, followed by Crab Gill Net, Bottom Set Gill Net, Gill Net for Squid and Hook and Line with the lowest number of fisherfolks involved.

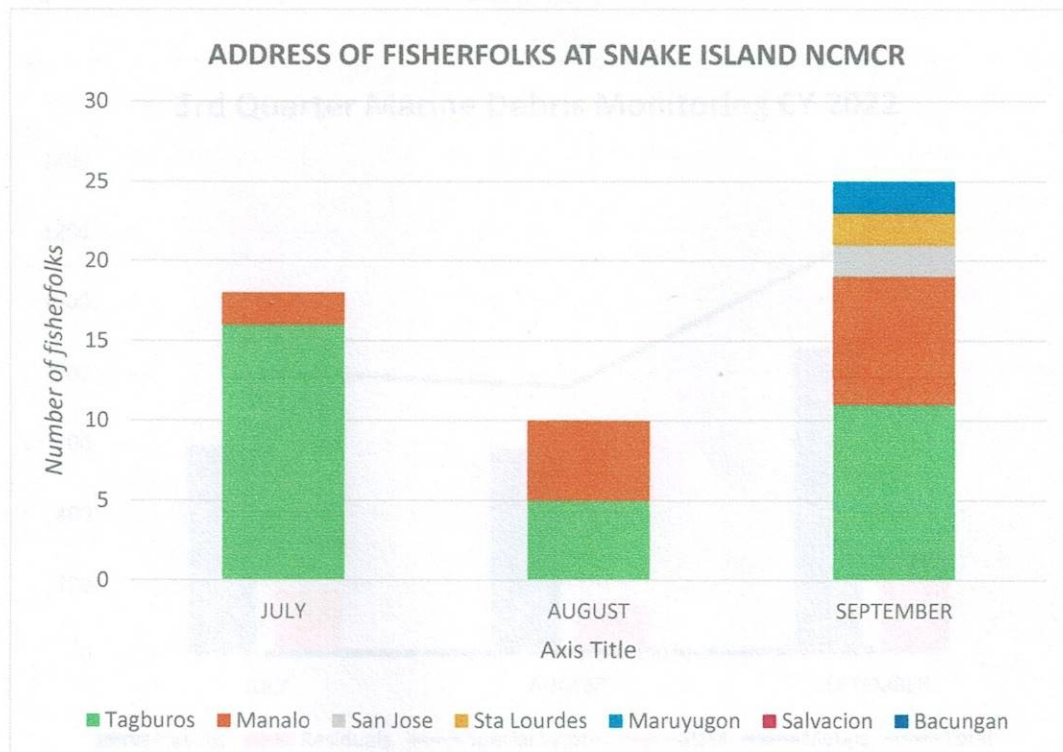


Figure 2: Seven (7) identified barangays that benefited on marine resources of Snake Island were recorded for the 3rd quarter of CY 2022, namely: Barangay Tagbueros with the highest number of fisherfolks recorded followed by Barangay Manalo, San Jose, Sta. Lourdes, Maruyugon, Salvacion and Barangay Bacungan.



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- **Marine Debris Monitoring**

- Continues monitoring of marine debris with sorting and counting of collected non-biodegradable waste materials and twenty-one (21) trash bags were filled with approximately seventy-two (72 kg) kilograms were collected for a 1.3 km distance at Snake Island for the 3rd quarter of 2022.



Photos during the conduct of marine debris monitoring of Research Assistant Jamael B. Masacal at Snake Island NCMCR

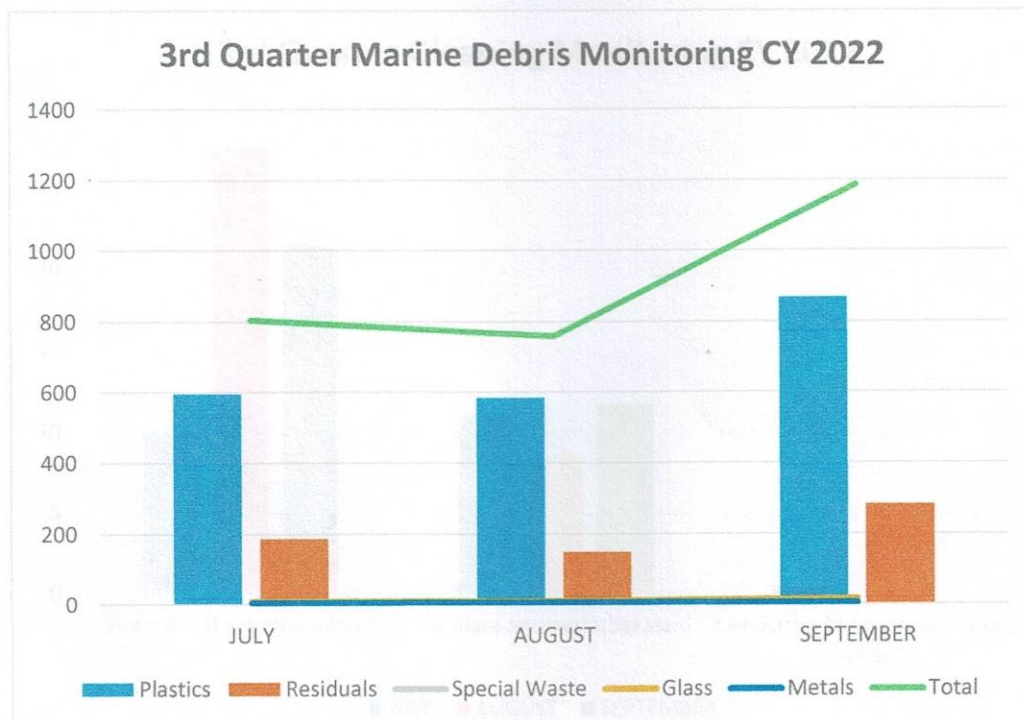


Figure 2: Total number of marine debris collected for the month of July to September 2022 with September as the month with the highest number of collection and August as the month with the lowest number of collection. The marine debris with the highest number of collection were plastics followed by residuals and special wastes.



- **Monitoring of Gleaning Activities**

- A total of sixteen (16) males and eleven (11) females visited the Snake Island NCMCR for gleaning (panginginas) activities for July to September 2022 with most coming from Barangay Tagbueros followed by Barangay Manalo and Barangay Sicsican and Sta. Monica.



Photos during the conduct of gleaning monitoring of Law Enforcement Officer Mark Angel A. Lito at Snake Island NCMCR

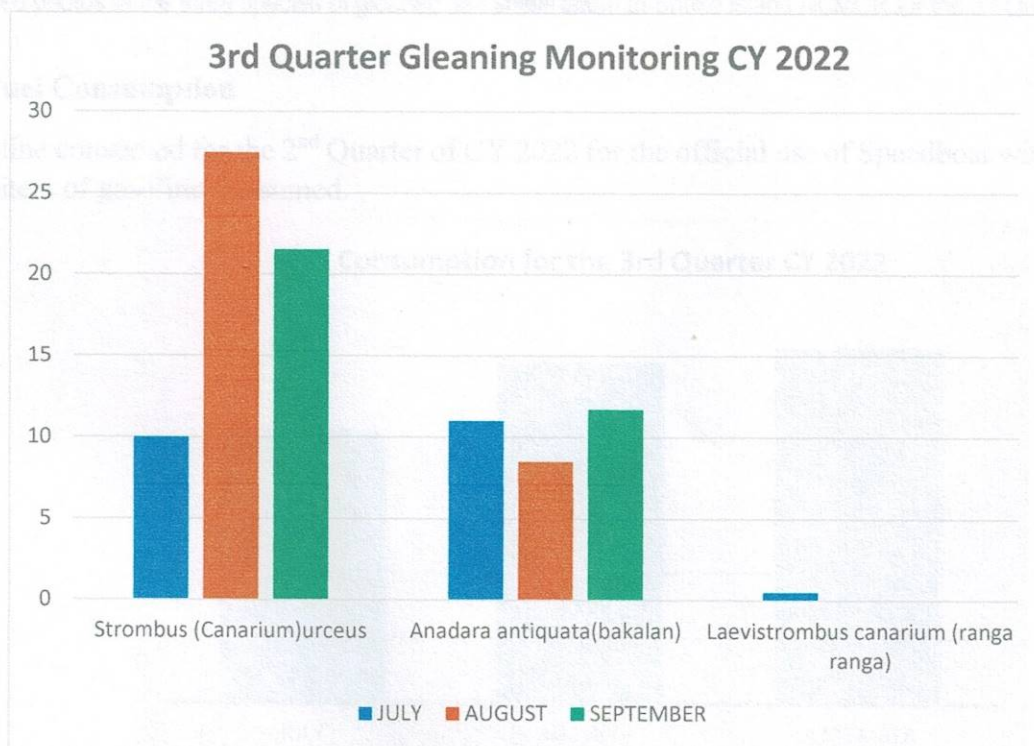


Figure 3: Top three species of sea shells collected by gleaners from July to September 2022: *Strombus (Canarium) urceus* or "sikad sikad", *Anadara antiquata* or "bakalan" and *Laevistrombus canarium* or "ranga-ranga"

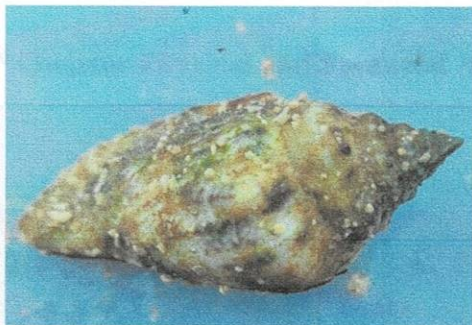


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Strombus (Canarium) urceus (Sikad sikad)



Anadara antiquate (bakalan)



Laevistrombus canarium (ranga-ranga)

Sampled photos of the three species of gleaned sea shells taken at Snake Island NCMCR for the 3rd Quarter CY 2022

- **Fuel Consumption**

Gasoline consumed for the 2nd Quarter of CY 2022 for the official use of Speedboat with a total 744 liters of gasoline consumed.

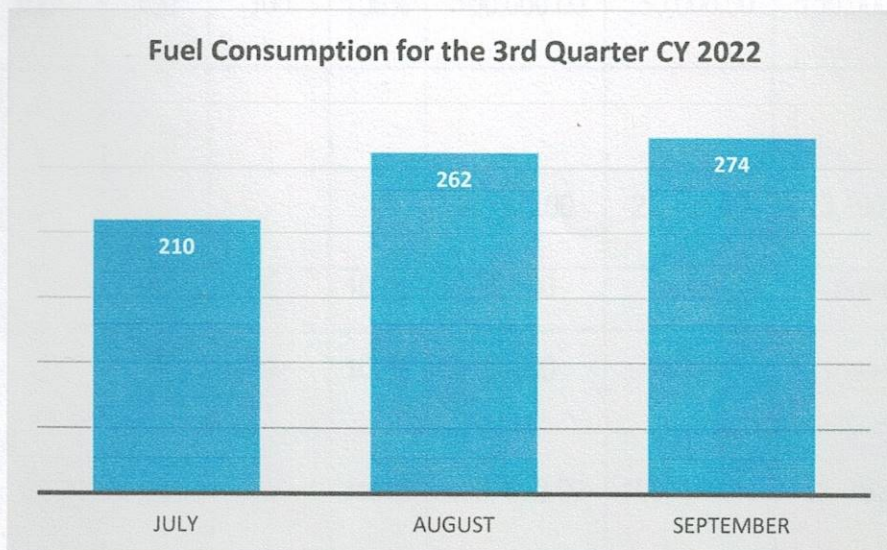


Figure 4: Graph showing the month of September 2022 as the month with the highest amount of gasoline consumed and July with the lowest amount of gasoline consumed



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F. 3rd Quarter Physical and Financial Accomplishment Report CY 2022

PPAs/INDICATORS	PHYSICAL				FINANCIAL				
	ANNUAL TARGET	TARGET TO DATE	ACCOM as of September 23, 2022	% ACC OM (to date)	ALLOT. (*000)	OBLIG. (to date)	DISB. (to date)	Oblig/ Allot (%)	Disb /Allot (%)
Snake Island NCMCR									
1. Hiring of Job Orders									
a. Marine Biologist	1	1	1	100%	100,725.00	100,725.00	100,725.00	100%	100%
b. Data Manager	1	1	1	100%	51,000.00	51,000.00	51,000.00	100%	100%
c. Research Assistants	2	2	2	100%	94,428.00	94,428.00	94,428.00	100%	100%
d. Law Enforcement Officers	2	2	2	100%	86,400.00	86,400.00	86,400.00	100%	100%
e. Boat Captain	1	1	1	100%	46,737.00	46,737.00	46,737.00	100%	100%
f. Facilities Maintenance	1	1	1	100%	33,204.00	33,204.00	33,204.00	100%	100%
2. Implementation of Operational Plan	4	1	1	100%	30,000	71,105.96	71,105.96	237%	237%
3. CEPA Campaign (IEC Collaterals)	100	100	100	100%	100,000.00	150,000.00	150,000.00	150%	150%
4. Resource Assessment									
a. Marine Resource Assessment	2	-	-	-	50,000.00	23,100.00	23,100.00	46.2%	46.2%
b. Waterbird Census	4	1	1	100%	25,000	none	none	0%	0%
c. Monitoring of ARMS	12	3	3	100%	25,000	none	none	0%	0%
4. Maintenance of buildings and other facilities	12	3	5	166.6%	480,000.00	159,362.44	53,762.44	33.2%	11.2%



G. Other Activities

- **Puerto Princesa International Airport Wildlife Management Committee Meeting**
 - Participation of Research Assistant Edilita B. Demonguitan in the conduct of meeting regarding the establishment of PPIA Wildlife Management Committee at Puerto Princesa International Airport on July 21, 2022.



Photos of Research Assistant Edilita B. Demonguitan during the PPIA Wildlife Management Committee meeting on July 21, 2022

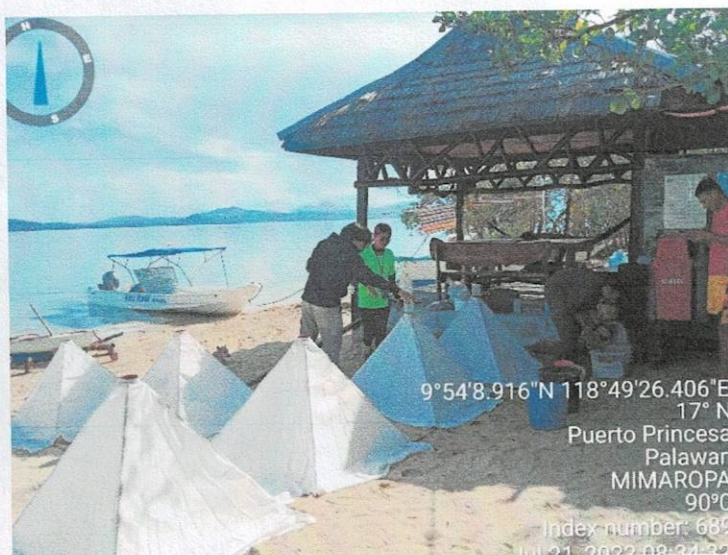
- **Water Quality Training Cum Consultation Workshop**
 - Participation of Marine Biologist Genesis Z. Ustares and Data Manager Julius F. Landrito in the Water Quality Training Cum Consultation Workshop for the implementation of water quality monitoring within NIPAS-MPA on July 25, 2022 at Panglao, Bohol.



Photos of Data Manager Julius F. Landrito and Marine Biologist Genesis Z. Ustares at Bohol, Philippines on July 27, 2022



- **WPU-MS Marine Biology Students Research at Snake Island NCMCR**
 - The SIMO personnel assisted the WPU-MS Marine Biology students in the conduct of their research study on the abundance and emergence pattern of sublittoral demersal zooplankton in different substrates at Snake Island NCMCR on July 21, 2022.



Photos during the conduct of research of WPU-MS Marine Biology students at Snake Island on July 21, 2022

- **FMA 5 Planning Workshop**
 - Participation of Data Manager Julius F. Landrito in the FMA 5 Planning Workshop on August 22-25, 2022 at A&A Plaza Hotel.



Photos during the participation of Data Manager Julius F. Landrito in the FMA 5 Planning Workshop on August 22-25 at A&A Plaza Hotel



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• **3rd Quarter Meeting on FMA 5 Management Board**

- Participation of Data Manager Julius F. Landrito in the 3rd quarter meeting of FMA 5 Management Board on August 26, 2022 at A&A Plaza Hotel.



Photos during the participation of Data Manager Julius F. Landrito in the 3rd quarterly meeting of FMA 5 Management Board on August 26, 2022 at A&A Plaza Hotel



Photos during the orientation of Research Assistant Edilita B. Demonguitan to UPLB visitors at Snake Island NCMCR on September 7, 2022



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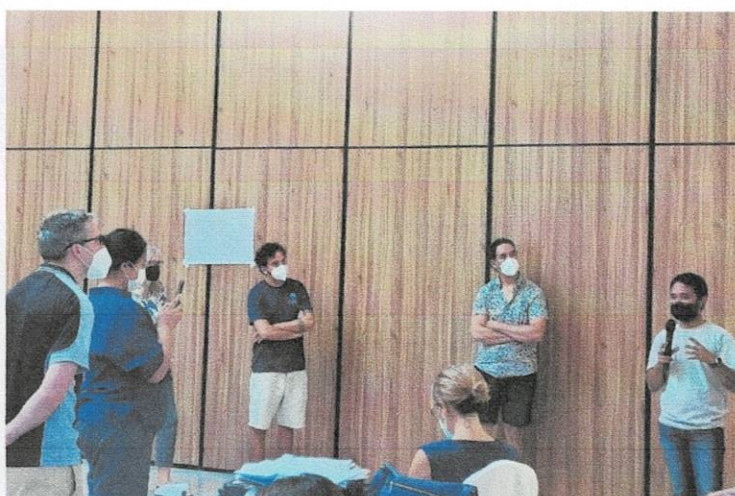
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- **Coral Reef Monitoring Workshop**

-Marine Biologist Genesis Z. Ustares participated in the 3-day workshop on Coral Reef Monitoring led by Australian Institute of Marine Science (AIMS) at Costa Palawan, Puerto Princesa City on September 5-7, 2022.



Photos during the 3-day workshop on Coral Reef Monitoring at Costa Palawan on September 5-7, 2022

- **Horseshoe Crab Population Survey**

-Data Manager Julius F. Landrito assisted the ERDB-CRERDEC in surveying the Horseshoe crab population, collection of sediments and tissues samples and assessing the vegetation and environmental (physico-chemical parameters) at Quezon, Palawan on September 6-16, 2022.



Photos of Data Manager Julius F. Landrito during their two-weeks of travel with the ERDB-CRERDEC in surveying the Horseshoe crab population on September 6-16, 2022



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- **Site Inspection and Validation of PCG and PhilSA**

-Assisted the Philippine Coast Guard and Philippine Space Authority in their conduct of site inspection and validation at Snake Island NCMCR on September 17, 2022. They also conducted coastal clean-up in celebration of International Coastal Clean-Up 2022



Photos of PCG and PhilSA during the coastal clean-up and their site validation at Snake Island NCMCR on September 17, 2022



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- **International Coastal Clean-Up 2022**

-In celebration of the International Coastal Clean-Up 2022, the DENR-PENRO Palawan conducted a clean-up drive at Snake Island NCMCR on September 18, 2022.



Prepared by:

EDILITA B. DEMONGUITAN
Research Assistant, SI-NCMCR

Noted by:

RHODORA B. UBANI
Chief CDS/SIMO in concurrent capacity