

**4th 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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Department of Environment and Natural Resources
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Contents

A. Implementation of Operational Plan.....	3
B. Resource Assessment.....	5
• ARMS MONITORING	5
• Deployment of Coral Reef Monitoring Blocks in Snake Island NCMCR on October 11-14, 2022	6
• Coastal and Marine Resource Assessment and Monitoring for Wet Season in Snake Island NCMCR on October 24-28, 2022.....	8
D. Maintenance of buildings and other facilities	11
E. Program and monitoring activities.....	14
• Demolition of Structures of Mr. Rodolfo Bernardo at Snake Island, Brgy. Manalo, Puerto Princesa City	14
• Sea Patrol	15
• Marine Debris Monitoring	16
• Monitoring of Gleaning Activities	17
• Fuel Consumption	19
• Horseshoe Crab Monitoring	19
F. 4th Quarter Physical and Financial Accomplishment Report CY 2022	20
G. Other Activities	21



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**4th QUARTER (OCTOBER-DECEMBER) ACCOMPLISHMENT REPORT OF
SNAKE ISLAND AS THE DENR NATIONAL COASTAL AND MARINE CENTER
FOR RESEARCH FOR CY 2022**

A. Implementation of Operational Plan

- Meeting re financial request for the damages of Typhoon Odette at Snake Island and updating of Snake Island NCMCR Operational Plan 2023-2028 on October 5-6, 2022 at PENRO Training Hall and Hue Hotels and Resort, respectively. Attended by twenty-four (24) individuals from BMB, ERDB, CENRO Puerto Princesa, PENRO personnel and SIMO staff while the second day meeting was participated by fifteen (15) individuals likewise from BMB, ERDB, PENRO personnel, CENRO Puerto Princesa, SIMO staff and the Palawan Council for Sustainable Development Staff (PCSDS).



Photos of Ms. Mariche Natividad of ERDB presenting the Program 1 of Operational Plan (left); Mr. Michael Cornito of BMB raising concern/clarification re the issuance of GP in the province of Palawan (right) at PENRO Training Hall



Photo during the continuation of Presentations and Discussions of Operational Plan (left) and Group photo of the TWG (right) at Hue Hotel and Resort



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- Drafted the Snake Island NCMCR Operational Plan 2023-2028 based on the results and discussion from the previous meeting last October 5-6, 2022.
- Prepared Memorandum for the dissemination of the Drafted Snake Island NCMCR Operational Plan 2023-2028 for all Technical Working Group (TWG) for their review and further instructions.

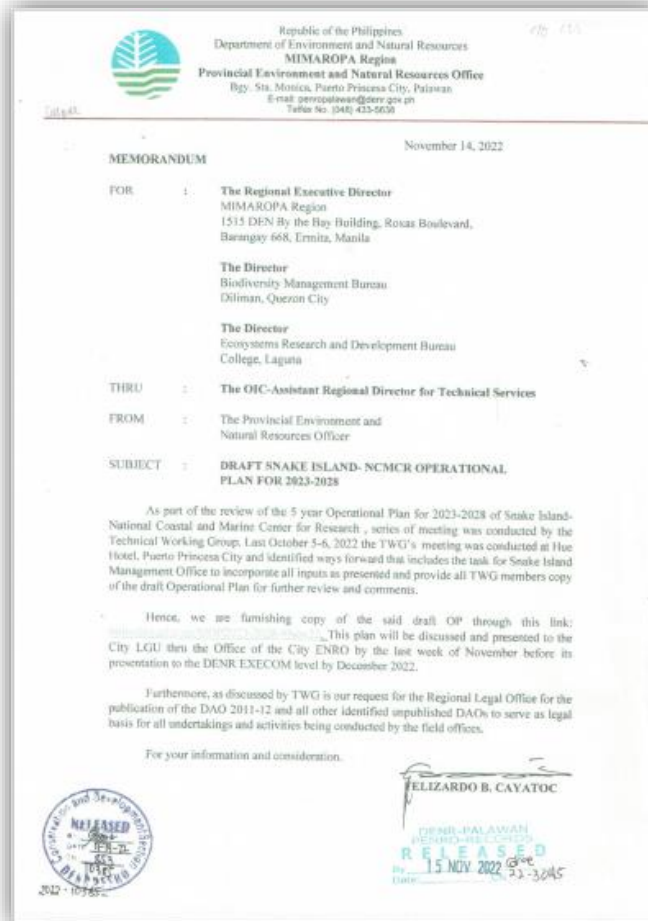


Photo of Memorandum regarding the dissemination of the Drafted Snake Island NCMCR Operational Plan 2023-2028 for all Technical Working Group (TWG)

- Technical Working Group (TWG) meeting on November 18, 2022 via zoom with the following agenda:
 - Funds for CY 2023 for the construction of new administrative building compliant to existing policy;
 - Fast track of consultation and design of new building for Snake Island;
 - Next steps and timeline of activities for 2023



Group Photo during the Technical Working Group (TWG) meeting via zoom

B. Resource Assessment

• ARMS MONITORING

- regular monitoring to secure the presence of Autonomous Reef Monitoring Structure (ARMS) unit on October 19, November 16 and December 12, 2022 in the monitoring station no. 2 with coordinates 09°54'34" N, 118°49'47" E in 18 meter's depth.



ARMS Monitoring on October 19, 2022



ARMS monitoring on November 16, 2022



ARMS monitoring on December 12, 2022

- **Deployment of Coral Reef Monitoring Blocks in Snake Island NCMCR on October 11-14, 2022**

- The monitoring blocks were successfully deployed in six (6) coral reef monitoring stations of Snake Island. Fourteen (14) blocks were deployed in each stations, 7 for deep and 7 for shallow transects with 25 meters' interval.
- These blocks will serve as the permanent markings for Corals and Fish Monitoring.
- A total of nine (9) males from SIMO and PCSDS conducted the deployment of blocks.



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Oct 14, 2022 9:42:20 AM
9.9727029N 118.8474822E
Puerto Princesa North Road
Puerto Princesa
Palawan
MIMAROPA



Group photo of Deployment team (left); photo during Mr. Jesus Bream from PCSDS signaling the spotter above to drop the blocks (right)



9°53'35.052"N 118°49'19.212"E
23° NE
90°
Index number: 1566
Oct 13, 2022 14:51:31



9°53'41.586"N 118°50'28.608"E
36° NE
90°
Index number: 1422
Oct 12, 2022 09:27:23

Photos during the actual dropping of blocks

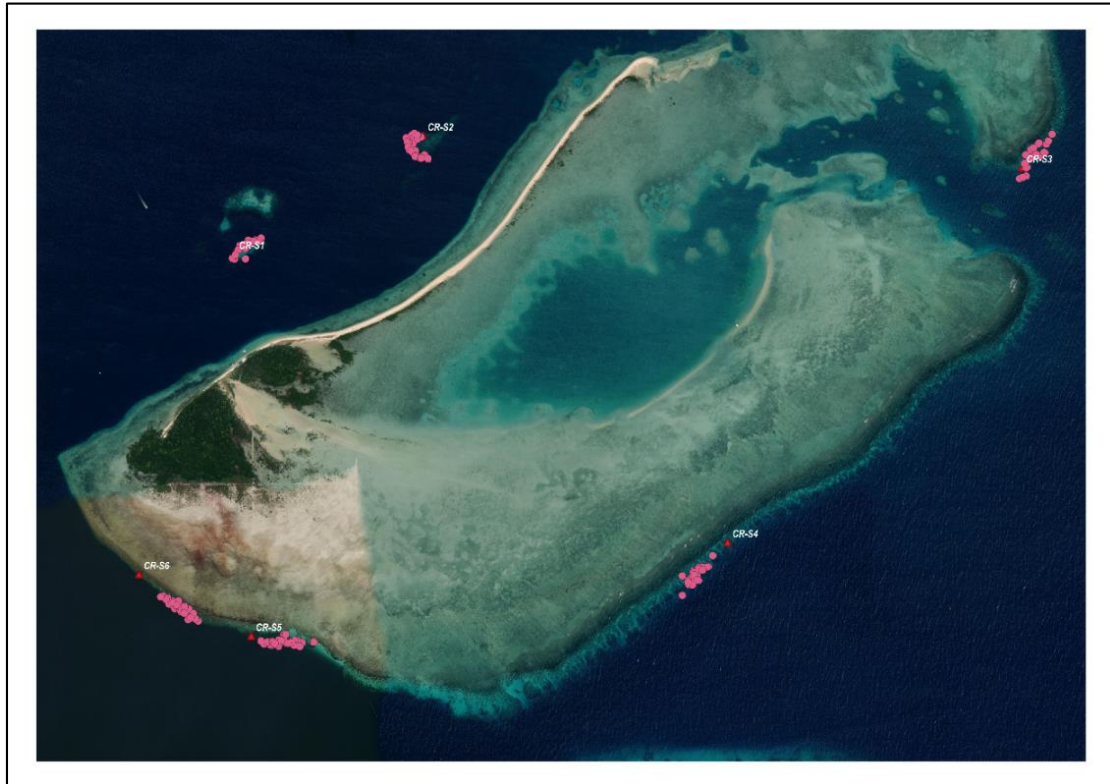


Photos of actual deployment and installation of blocks



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Map showing the area of the deployed coral reef monitoring blocks

- **Coastal and Marine Resource Assessment and Monitoring for Wet Season in Snake Island NCMCR on October 24-28, 2022**
 - A total of thirty-one (31) individuals conducted the monitoring, seventeen (17) males and fourteen (14) females with representative from ERDB – Coastal Zone and Freshwater Ecosystems Research Division, BMB – Coastal and Marine Division, MIMAROPA Region – Conservation and Development Division, PENRO Palawan – Conservation and Development Section, CENRO Puerto Princesa - Conservation and Development Section, Palawan Council for Sustainable Development Staff (PCSDS), City ENRO, and Snake Island Management Office (SIMO)
 - The participants were grouped into teams based on their level of resource expertise and knowledge; Corals & Fish Team; Mangroves Team; Seagrass Team Macro-benthos Team; and Avifauna/ Fauna Team.



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Photos during the Leveling off meeting: designation of task, methodology orientation and material preparation



Group photos of all participants



Group photo of corals and fish component team



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The mangrove component team during the assessment and the group picture



Group photos of seagrass (left) and macrobenthos (right) component team



Group photo of fauna component team



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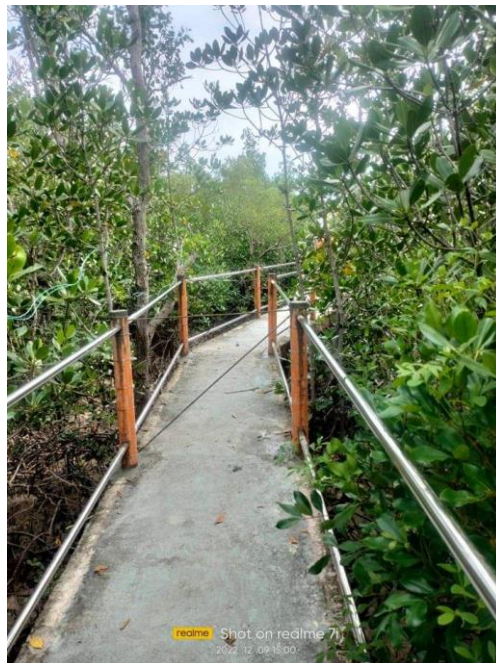
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D. Maintenance of buildings and other facilities

- Repair and construction of the Snake Island's facilities; helipad's staircase, boardwalk and railings, placing the culverts in their original location in front of the administrative building as a breakwater;
- Repair and maintenance of Speedboat engine, Generator Set and SCUBA compressor.



Photos during the helipad's staircase construction



Photos during the new stainless steel railings being installed and the boardwalk being repaired



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Photos during the installation of the culverts in their original location in front of the administrative building as a breakwater



Photos during changing the oil and replacing the oil filter on Yamaha 50 HP



Photos of SCUBA Compressor and parts that being repaired



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Photos of newly purchased Kubota 18 HP Diesel Engine for the Generator Set



Photos of a Yamaha 50 HP engine assembled (above) and packed with a crate for the engine's security for delivery at Tanza, Cavite (down).



E. Program and monitoring activities

- **Demolition of Structures of Mr. Rodolfo Bernardo at Snake Island, Brgy. Manalo, Puerto Princesa City**
 - A team comprised of personnel from PENRO-Palawan, Snake Island Management Office, CENRO-Puerto Princesa, represented by Forest Rangers Neil James Verzosa and Jeffrey Modesto, and Kgw. Bernardo Magbanua of Brgy. Manalo traveled on October 5, 2022 to Snake Island in the area where the structures of Mr. Bernardo were built to witness the demolition of the existing post that is still standing in the area.
 - Installed the signage in the vicinity of Mr. Bernardo's demolished premises on October 7, 2022. This signage will inform everyone that the area is part of Snake Island, which is managed by this office.



Photo of the team inspecting the demolition of the structures of Mr. Rodolfo Bernardo (left) and Photo of For. Arnel C. Gamutia, inspecting the demolished posts (right)



Photo of the speedboat carrying the signage (left); Photo of the signage that was already installed in the demolished structure of Mr. Bernardo (right)



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- **Sea Patrol**

- Sea Patrol of Snake Island NCMCR personnel led by Law Enforcement Officer Rugymel D. Monticod was continuously conducted for the 4th Quarter of 2022.



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

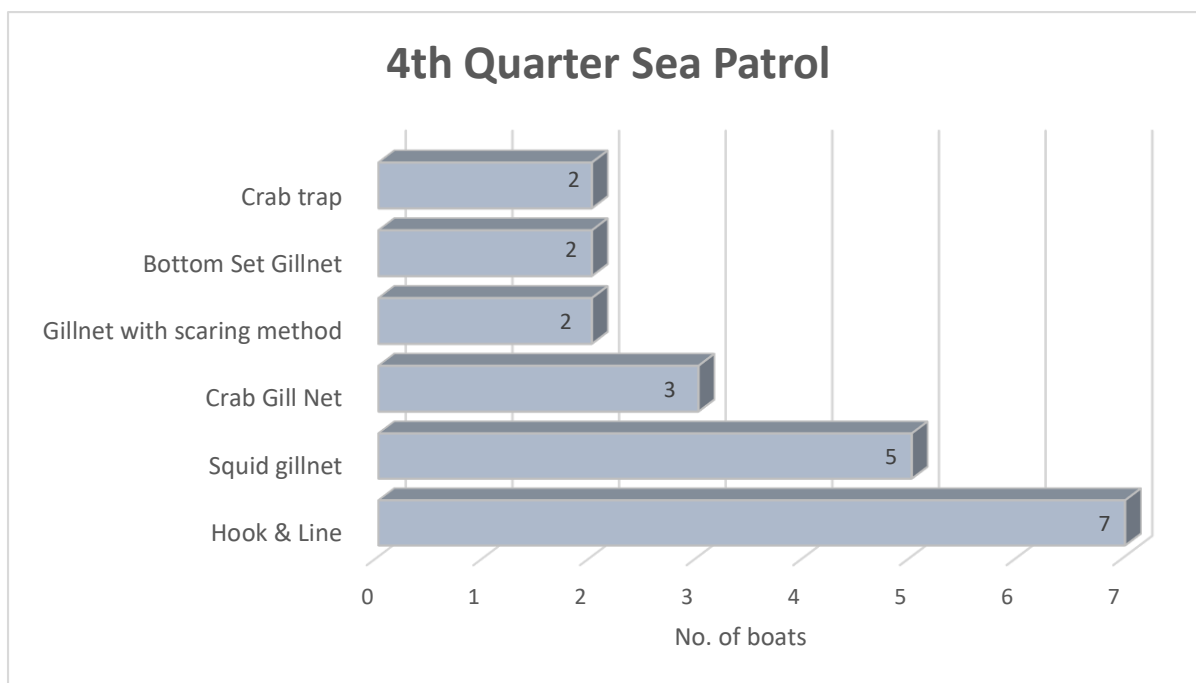


Figure 1: The graphs show the six (6) identified fishing gears within Snake Island NCMCR management zones, with Hook & line having the highest number of fishing gears used.



ADDRESS OF FISHERFOLKS AT SNAKE ISLAND NCMCR

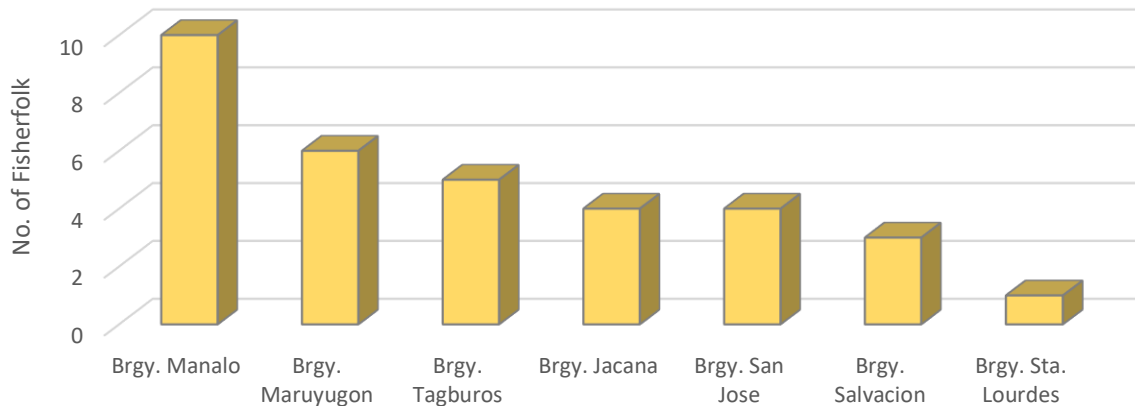


Figure 2: Seven (7) identified barangays that benefited on marine resources of Snake Island were recorded for the 3rd quarter of CY 2022, namely: Barangay Tagburos with the highest number of fisherfolks recorded followed by Barangay Manalo, San Jose, Sta. Lourdes, Maruyugon, Salvacion and Barangay Bacungan.

- **Marine Debris Monitoring**

- Continues monitoring of marine debris with sorting and counting of collected non-biodegradable waste materials and twenty (2) trash bags were filled with approximately seventy-nine (79 kg) kilograms were collected for a 1.3 km distance at Snake Island for the 4th quarter of 2022.



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

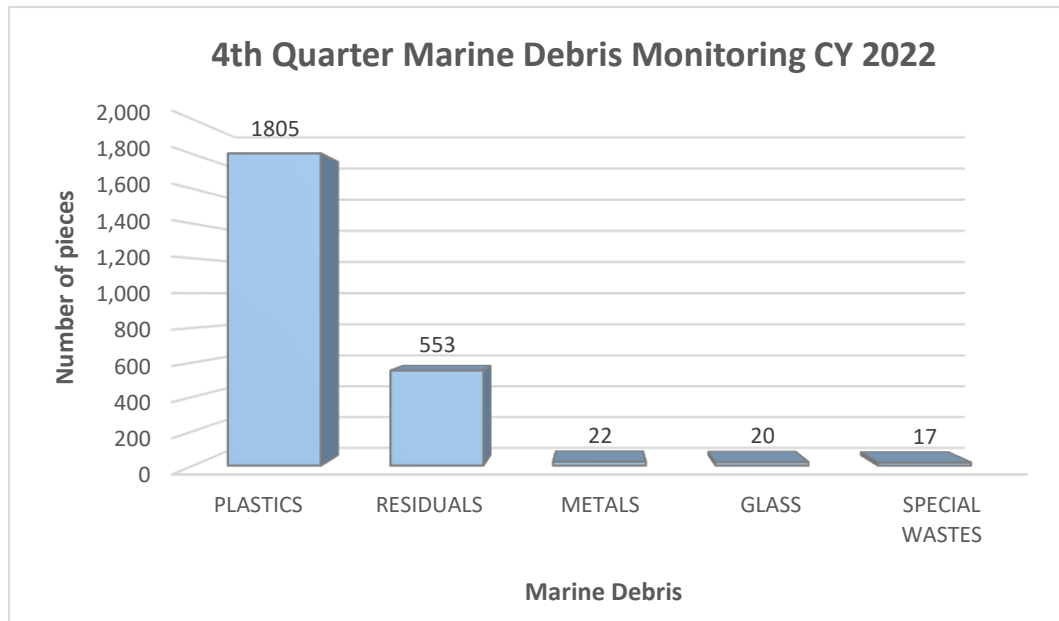


Figure 2: Total number of marine debris collected from October to December 2022, indicating that plastics had the highest number of collected, followed by residuals and special wastes, which had the fewest

- **Monitoring of Gleaning Activities**

- A total of twelve (12) males and three (3) females visited the Snake Island NCMCR for gleaning (panginginas) activities for October to December 2022 with most coming from Barangay Tagburos followed by Barangay San Jose and Barangay Manalo.



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



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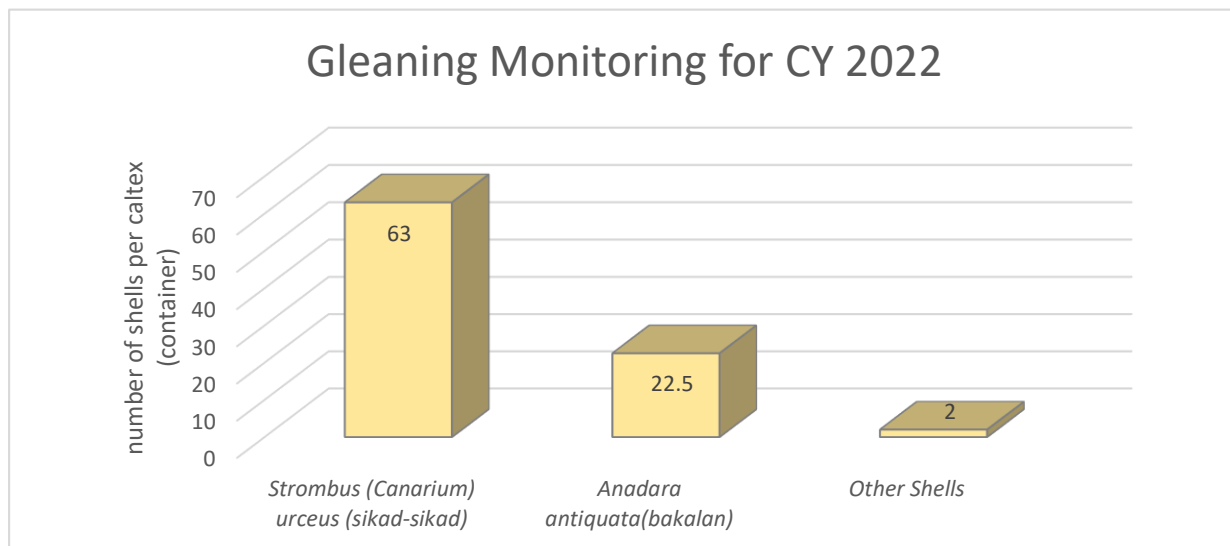


Figure 3: Top species of sea shells collected by gleaners from October to December 2022: *Strombus (Canarium) urceus* or “sikad sikad”, and *Anadara antiquata* or “bakalan”



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 4th Quarter CY 2022



- **Fuel Consumption**

- Gasoline consumed for the 4th Quarter of CY 2022 for the official use of Speedboat with a total 845 liters of gasoline consumed.

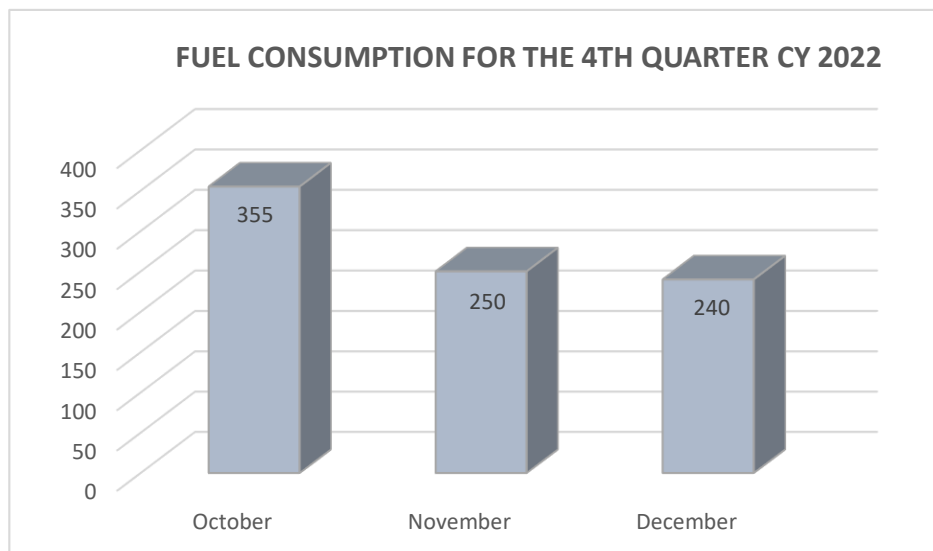


Figure 4: Graph showing the month of October 2022 as the month with the highest amount of gasoline consumed and December with the lowest amount of gasoline consumed

- **Horseshoe Crab Monitoring**

- 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 of gathering data on morphometric parameters and other details of the by-catch Horseshoe crabs on November 17, 2022



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F.

4th Quarter Physical and Financial Accomplishment Report CY 2022

PPAs/INDICATORS	PHYSICAL				FINANCIAL				
	ANNUAL TARGET	TARGET TO DATE	ACCOM as of December 20, 2022	% ACCOM (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	1	1	100%	50,000.00	50,000.00	50,000.00	100%	100%
b. Waterbird Census	4	1	1	100%	25,000	25,000.00	25,000.00	100%	100%
c. Monitoring of ARMS	12	3	3	100%	25,000	25,000.00	25,000.00	100%	100%
4. Maintenance of buildings and other facilities	12	3	3	100%	493,000.00	493,000.00	493,000.00	100%	100%



G. Other Activities

- **Attended Leveling-Off Meeting on the Updates of the SCS SAP Project Implementation and Validation of Accomplishments on October 7, 2022 at Hue Hotels and Resorts**
 - A total of eighteen (18) individuals attended the meeting, six (6) males and twelve (12) females with representatives from the following agencies: Biodiversity Management Bureau (BMB), PENRO Palawan - CDS, PENRO Palawan - NGP, CENRO Puerto Princesa, Quezon, Roxas, Taytay, Coron and Palawan Council for Sustainable Development Staff (PCSDS).
 - The inputs of the CENROs and PCSDS to the regional outputs matrix will be presented on Regional Scientific and Technical Committee of the SCS SAP Project in Bangkok, Thailand



Group photo of the participants (left) and Photo during the presentation (right)



Photos during the presentation and discussion Photo during the presentation



- **Assisted the EMB in their Water Sampling along Honda Bay**
 - SIMO personnel assisted the EMB in their monthly water sampling along Honda bay



Photos of EMB Staff conducted their water sampling with the assistance of SIMO Personnel

- **Assisted the DENR Central staff during their site visit to Snake Island**



Group photo during the site visit of staff from DENR Central (left) and Photo during the orientation of Marine Biologist Genesis Ustares (right)

- **Assisted the Freemason Lodge Brotherhood conducted coastal clean-up at Snake Island NCMCR on November 26, 2022**
 - Snake Island Personnel assisted the Freemason Lodge Brotherhood in their Coastal Clean-up Activity on November 26, 2022.



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Photos during the orientation of Marine biologist Genesis Ustares to Freemason Lodge brotherhood at Snake Island NCMCR on November 26, 2022

- **PSU-BS Environmental Science and BS Biology Students conducted fieldwork at Snake Island NCMCR**

- The SIMO personnel assisted the PSU-BS Environmental Science and BS Biology students on November 7 & 9, 2022 in their fieldwork regarding the following;
 1. Observation of flora and fauna in an intertidal area;
 2. Conduct a transect-quadrant survey of an intertidal area; and



Photos during the fieldwork of BS Environmental Science on December 7, 2022



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Photo during Data Manager Julius F. Landrito conducted orientation to BS Biology students (left) and Photo during the SIMO Personnel assisted Prof. Arselene Bitara in their fieldwork on December 8, 2022

- **Meeting regarding ICM Plan**
 - Assisted the BMB staff in their meeting with the City Government regarding the inclusion of the ICM Plan in the Puerto Princesa City CLUP.



Photos during the levelling-off meeting with the concerned DENR offices regarding the ICM Plan in PENRO Hall



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Group photos during the orientation of ICM Plan in Puerto Princesa City Hall

Prepared by:


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Noted by:


RHODORA B. UBANI
Chief CDS/SIMO in concurrent capacity