



Republic of the Philippines  
Department of Environment and Natural Resources  
**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

KED

June 06, 2023

**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

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

**SUBJECT :** **1<sup>ST</sup> QUARTER ACCOMPLISHMENT REPORT ON SNAKE  
ISLAND from JANUARY TO MARCH 2023**

Forwarded is the memorandum dated May 26, 2023 of PENRO CDS along with the 1<sup>ST</sup> quarter accomplishment report on Snake Island – NCMCR for CY 2023.

Per report, 1<sup>st</sup> quarter accomplishment report on Snake Island as National Coastal and Marine Research this include manpower, staff, implementation of operational plan as technical working group (TWG), resource assessment, building maintenance, monitoring activity, fuel consumption, 1<sup>st</sup> quarter physical and financial accomplishment report for CY 2023, conducted Communication Education and Public Awareness (CEPA) activity, water quality and spot reports.

Attached is the 1<sup>st</sup> quarter report and photo documentation.

For your information and record.



**FELIZARDO B. CAYATOC**

DENR-PALAWAN  
PENRO-RECORDS  
**RELEASED**  
By [signature]  
Date: 07 JUN 2023 23-1607



**1<sup>st</sup> QUARTER  
ACCOMPLISHMENT REPORT  
CY 2023**

***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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**1<sup>st</sup> QUARTER (JANUARY-MARCH) ACCOMPLISHMENT REPORT OF SNAKE ISLAND AS THE DENR NATIONAL COASTAL AND MARINE CENTER FOR RESEARCH FOR CY 2023**

**A. Manpower and Staffing Requirements**

The Snake Island NCMCR Management Office is headed by SIMO Rhodora B. Ubani along with the renewal of eight (8) Job Order personnel for Snake Island NCMCR to perform activities in achievement of the functions, programs and plans stipulated in the 5-Year Operational Plan of Snake Island as the DENR National Coastal and Marine Center for Research. The following personnel are as follows: Mr. Genesis Ustares (Marine Biologist II), Sanny A. Nedroda (Data Manager), Jamael Masacal and Christine P. Dagos (Research Assistants), Orlando Baylon (Boat Captain), Rugymel Monticod and Mark Angel Lito (Law Enforcement Officers) and Vincent G. Arcaño (Facilities Maintenance).

**B. Implementation of Operational Plan**

- **Snake Island Technical Working Group (TWG) Meeting**

Conduct of Snake Island Technical Working Group (TWG) on March 14, 2023 at Biodiversity Management Bureau (BMB) Training Center, Quezon City. A total of fifteen (15) TWG members, composed of four (4) males, and eleven (11) females, attended the meeting. The SIMO secretariat presented the draft of Snake Island Operational Plan for CY 2023-2028.



Group photo of the TWG members

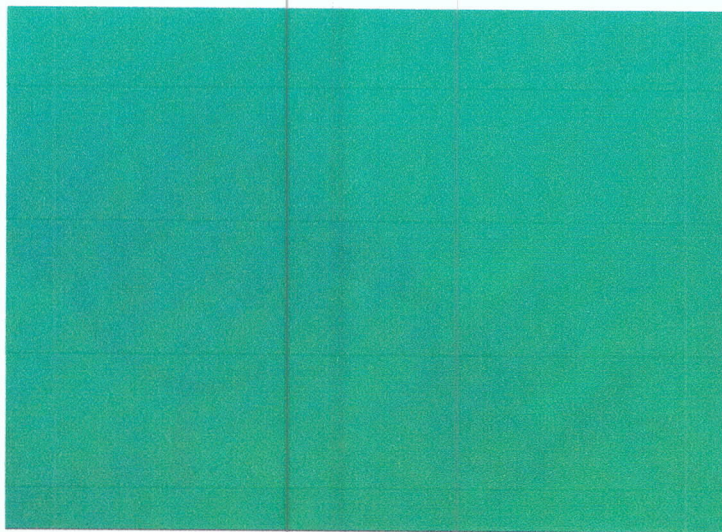




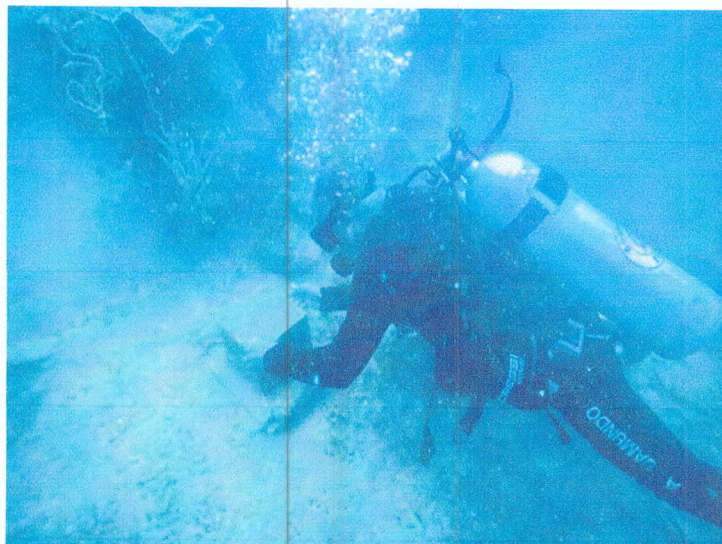
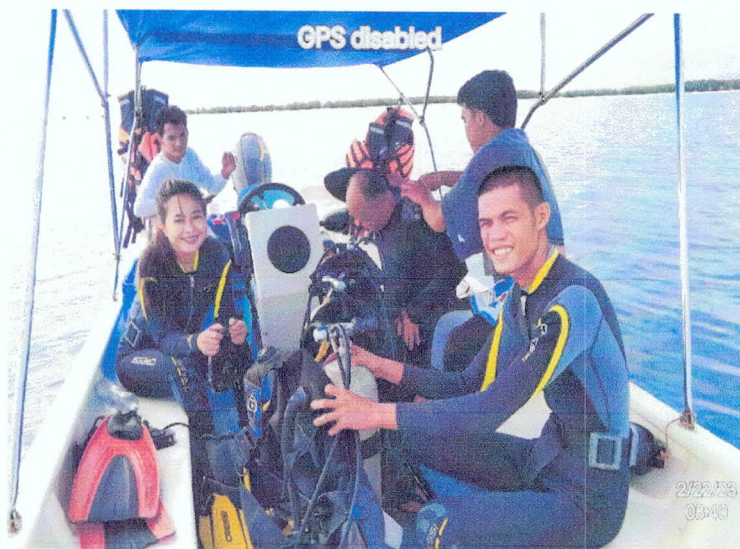
### C. Resource Assessment

- **ARMS Monitoring**

Regular monitoring to secure the presence of Autonomous Reef Monitoring Structure (ARMS) unit on the following dates: January 31, 2023, February 22, 2023 and March 29, 2023 in the deployment area (09°54'21.6" N, 118°49'24.7" E) in 18 meter's depth.

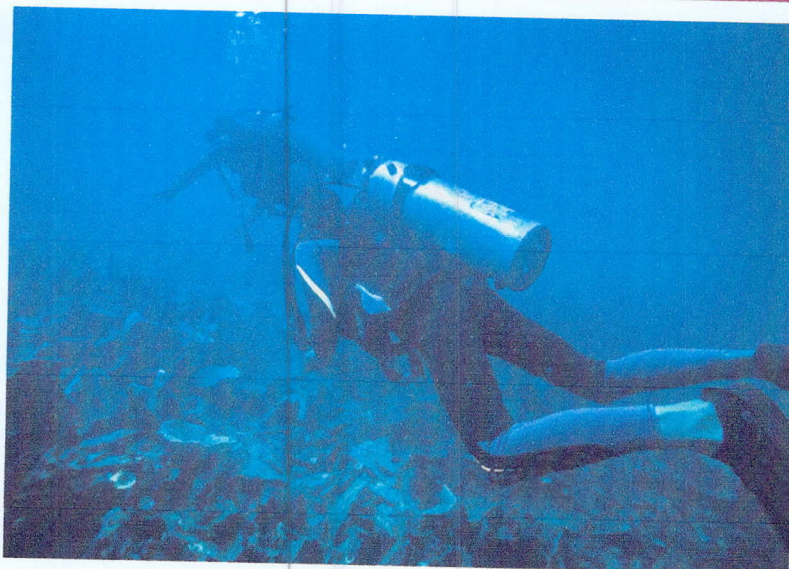


ARMS Monitoring on January 31, 2023



ARMS Monitoring on February 22, 2023

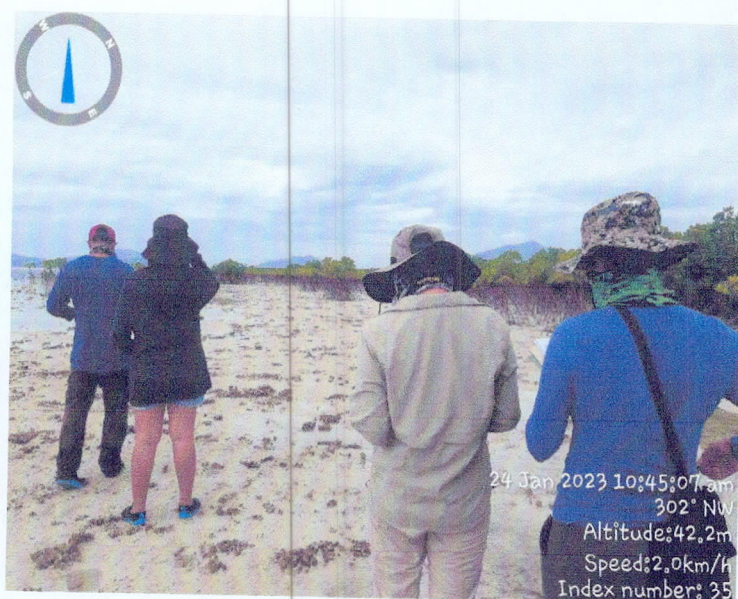
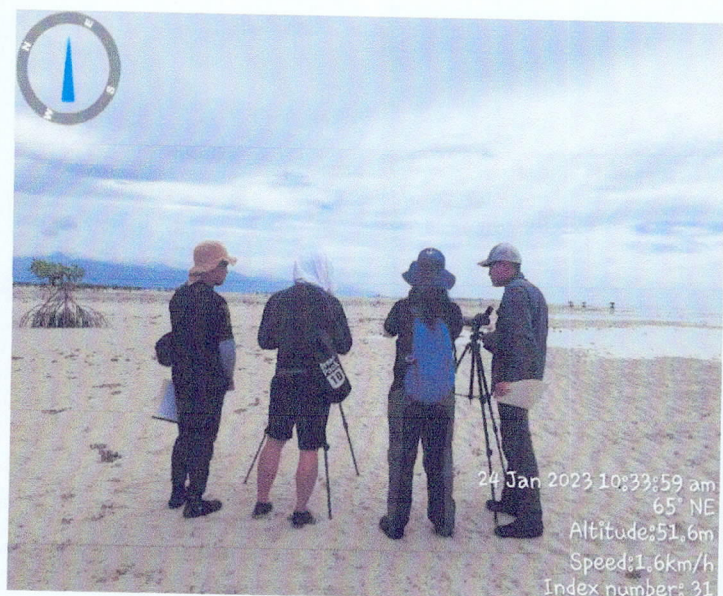




ARMS Monitoring on March 29, 2023

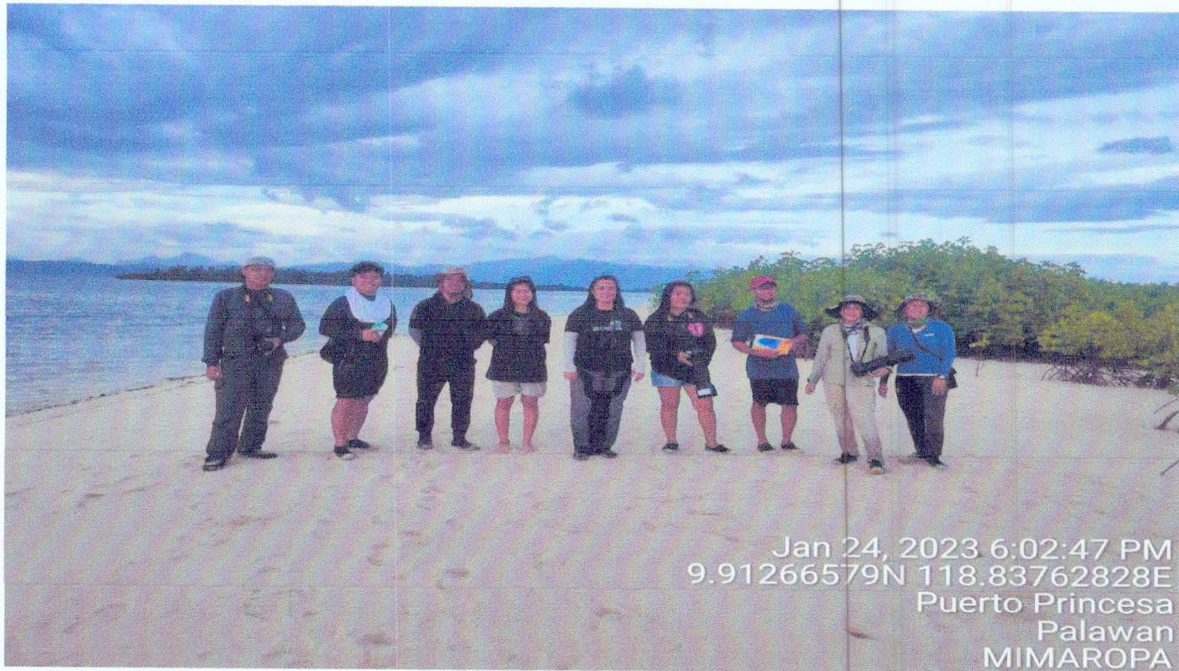
- **Annual Waterbirds Census CY 2023**

The Annual Waterbirds Census was conducted on January 24-25, 2023 in partnership with City ENRO and CENRO Puerto Princesa City at Snake Island NCMCR. During the assessment, twenty-two (22) bird species were observed, with a total of one hundred fifty-one (151) individuals counted from January 24, 2023 at 9:00AM to 10:25PM and January 25, 2023 at 5:30AM to 8:00AM with a sunny weather.



Monitoring team in the northern part of Snake Island (left) and in the helipad area of Snake Island NCMCR (right)

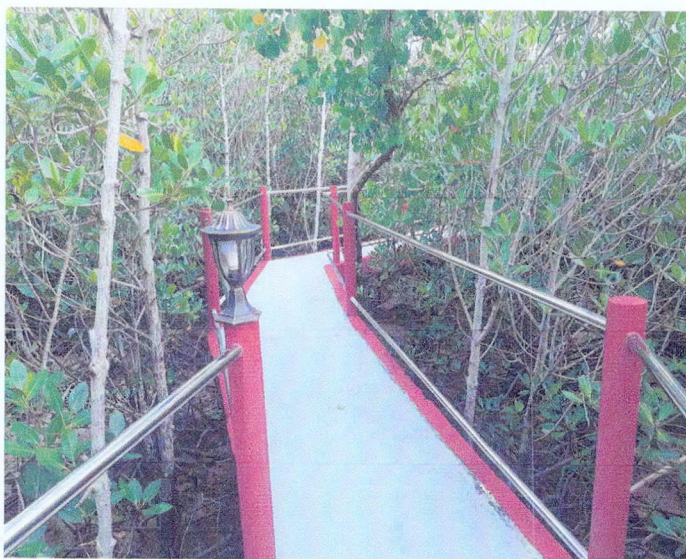




Waterbirds Monitoring Team composed of City ENRO, CENRO PPC and Snake Island

#### **D. Maintenance of buildings and other facilities**

Repair and repainting of the board walk, installation and re-wiring of electrical circuit, solar charger and controller of Snake Island Management Office, clean-up of building debris in the near vicinity and placing of culvert in front the building. Monthly maintenance of speedboat, change oil, and change of oil filter.

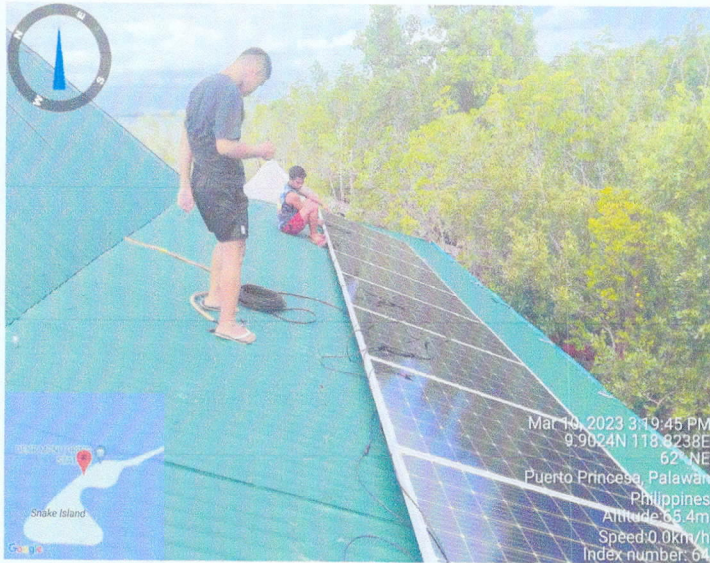


Photos during the repair and repainting of the Board walk of Snake Island on January 24, 2023

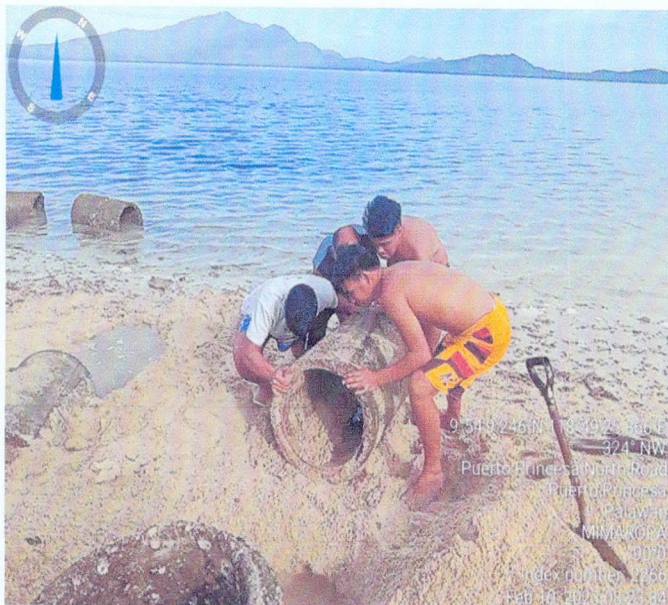




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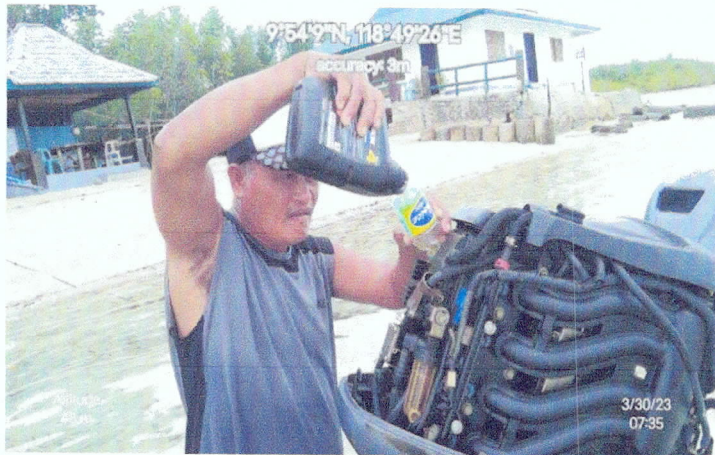


Photos during the installation of solar charger controller and re-wiring of electrical system



Photos during the placing of culvert in front of Snake Island admin building





Photos during change oil and oil filter change of Snake Island speedboat on March 30, 2023

#### E. Program and monitoring activities

- Regular conduct of land and sea patrol in Snake Island NCMCR to monitor other anthropological activities within the island for potential studies. Likewise, illegal activities observed within the area jurisdiction were recorded and reported.



Photos during the conduct of land patrol of Law Enforcement Officer Rugymel D. Monticod at Snake Island NCMCR



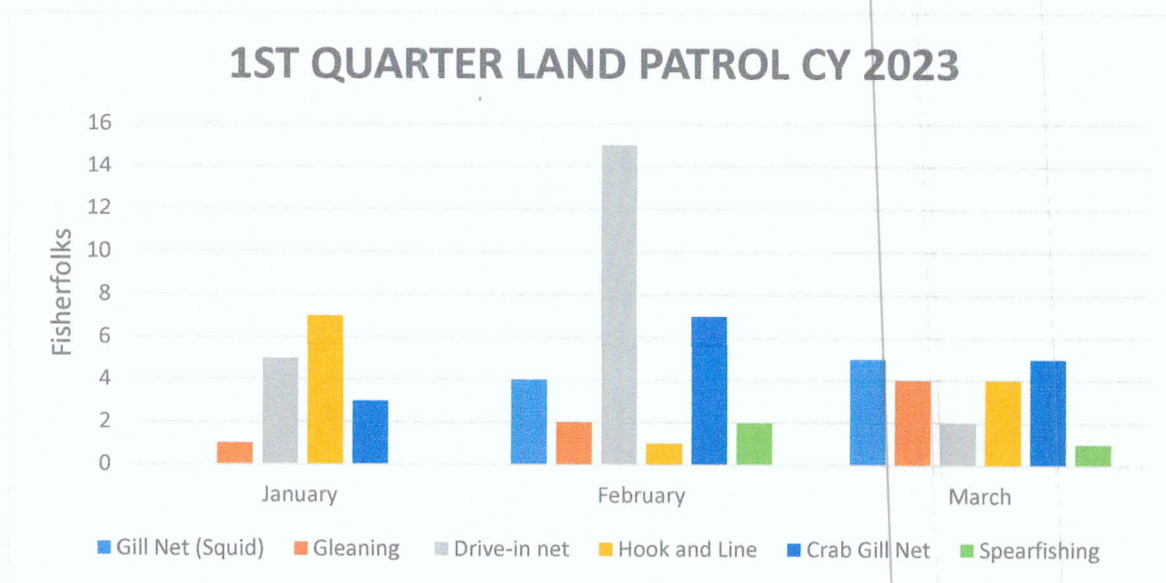


Figure 1: Six main fishing activities identified in the island for the month of January to March 2023 with Drive-in net has the highest rate followed by Crab Gill Net, Hook and line, Gill net, gleaning and with the spearfishing has the lowest.

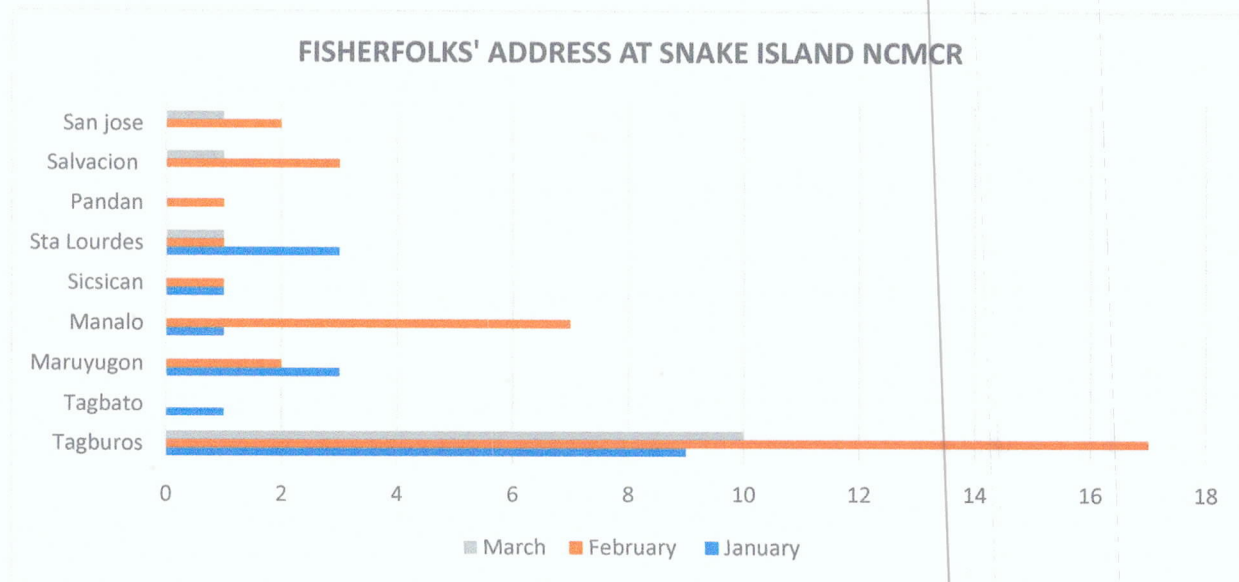


Figure 2: Nine (9) identified barangays that benefited on marine resources of Snake Island were recorded for the 1<sup>st</sup> quarter of CY 2023, namely: Barangay Tagburos with the highest number of fisherfolks recorded followed by Barangay Manalo, Maruyugon, Sta. Lourdes, Salvacion, San Jose, Sicsican, Tagbato and Pandan.





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- **Marine Debris Monitoring**

- Continuous monitoring of marine debris with sorting and counting of collected non-biodegradable waste materials and five (5) trash bags were filled with approximately fifteen (15) kilos were collected for a 500 m distance at Snake Island for the 1<sup>st</sup> quarter of 2023.

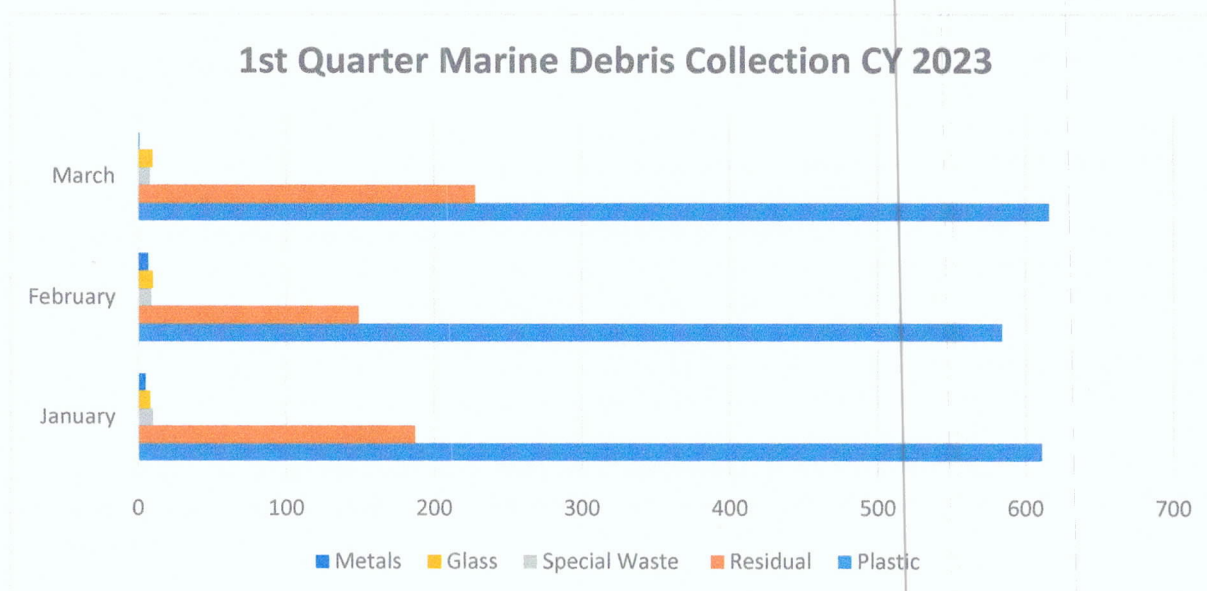


Figure 3: Total number of marine debris collected for the month of January to March 2023 with March as the month with the highest number of collection and January as the month with the lowest number of collection. The marine debris with the highest number of collection are plastics followed by Residual





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• **Monitoring of Gleaning Activities**

A total of fifty-five (55) individuals were recorded conducting gleaning activity (panginginas) at Snake Island for the 1<sup>st</sup> quarter, composed of thirty-two (32) males and twenty-three (23) females, from January to March 2023 with most coming from Barangay Manalo followed by Barangay Tagburos, Tagbato, Maruyugon, Sta. Lourdes and Barangay Salvacion.



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

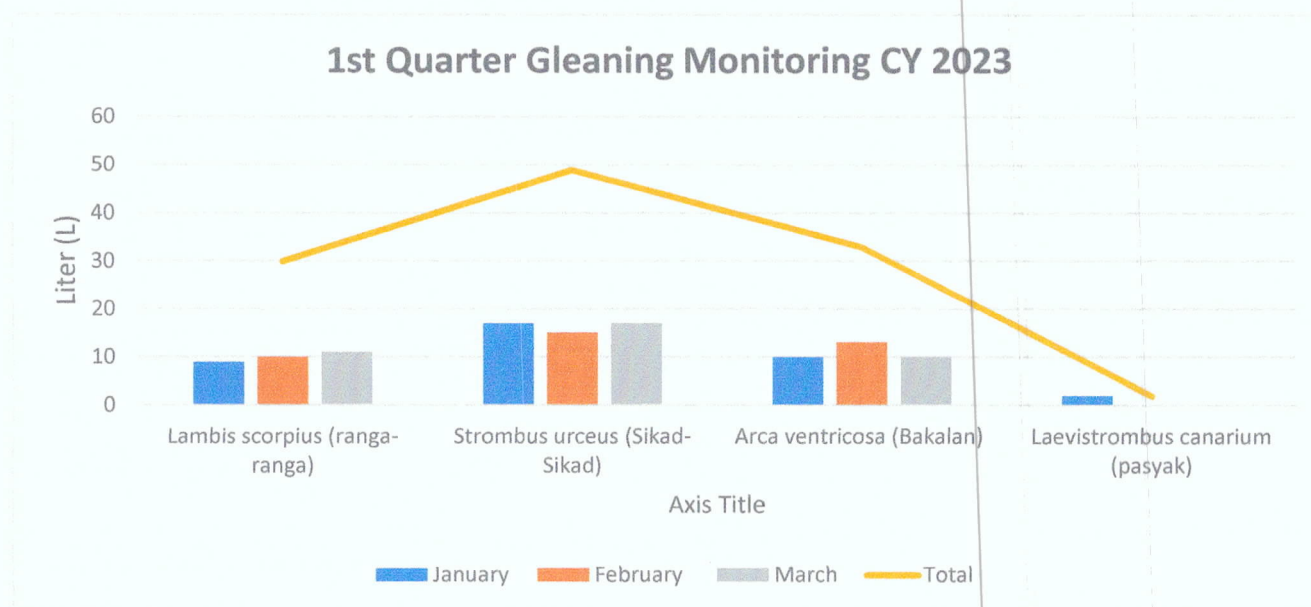
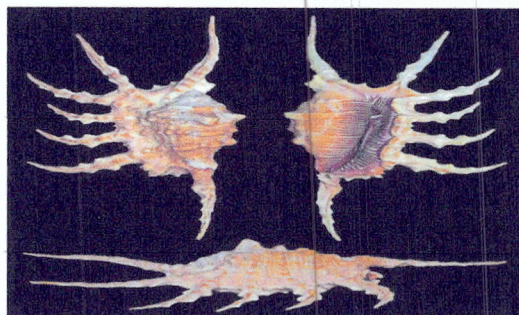


Figure 4: Top four species of sea shells collected by gleaners from January to March 2023: *Strombus urceus* or locally known as "sikad- sikadd", *Anadara antiquate* or "bakalan", *Lambis scorpius* or "ranga - ranga" and *Laevistrombus canarium* or "pasyak".





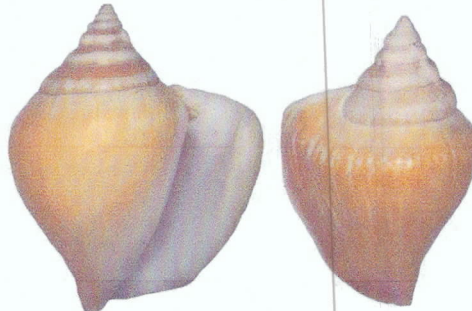
*Strombus (Canarium) urceus* (Sikad sikad)



*Lambis scorpius* (ranga-ranga)



*Anadara antiquate* (bakalan)



*Laevistrombus canarium* (pasyak)

Sampled photos of the four species of gleaned sea shells taken at Snake Island NCMCR

#### • Fuel Consumption

For this quarter, a total of 830 liters of fuel were consumed for the official use of Snake Island NCMCR speedboat.

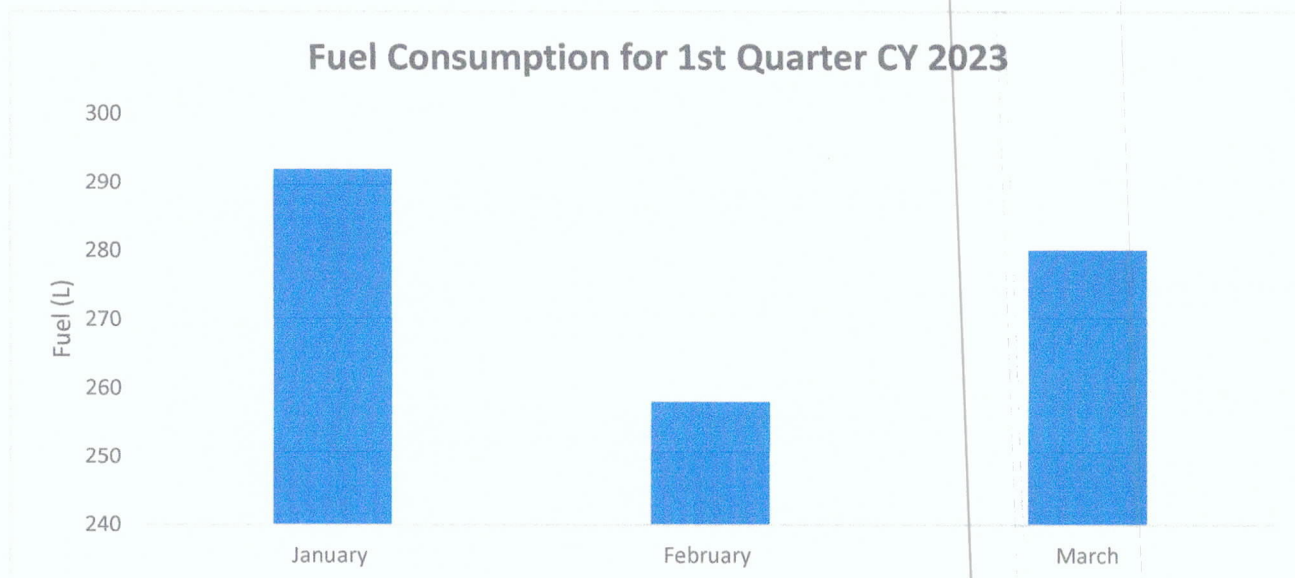


Figure 4: Graph showed that the month of January 2023 has the highest amount of gasoline consumed followed by March and February with the lowest rate gasoline consumption.





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**F. 1<sup>st</sup> Quarter Physical and Financial Accomplishment Report CY 2023**

PPAs/INDICATORS	PHYSICAL				FINANCIAL		
	ANNUAL TARGET	TARGET TO DATE	ACCOM as of March 31	% ACCOM (to date)	ALLOT. (*000)	OBLIG. (to date)	DISB. (to date)
<b>Snake Island NCMCR</b>							
1. Hiring of Job Orders							
a. Marine Biologist	1	1	1	100%	403	201,450.00	100,318.37
b. Data Manager	1	1	1	100%	240	120,000.00	46,346.62
c. Research Assistants	2	2	2	100%	450	225,000.00	112,475.00
d. Law Enforcement Officers	2	2	2	100%	418	208,800.00	104,400.00
e. Boat Captain	1	1	1	100%	223	111,474.00	55,737.00
f. Facilities Maintenance	1	1	1	100%	169	84,408.00	47,204.00
2. Implementation of Operational Plan	1	1	1	100%	100	27,395.00	N/A
3. CEPA Campaign	4	4	4	400%	100	1,440.00	
4. Resource Assessment							
a. Waterbird Census	4	1	1	100%	200	N/A	N/A
b. Monitoring of ARMS	12	3	3	100%	100	3,500.00	6,750.00
5. Maintenance of buildings and other facilities	12	3	3	100%	1,645	35,300.00	104,902.00





### G. Other Activities

- **Conducted CEPA Activity**

A total of ninety-two (92) individuals composed of eighty-two (82) men and ten (10) women, from Aplaya, Tagburos participated in the Communication, Education and Public Awareness (CEPA) campaign of Snake Island NCMCR conducted by the Snake Island Management Office on March 9, 2023.



Photo during the conduct CEPA activity in Aplaya, Tagburos on March 9, 2023





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A total of twenty-five (25) individuals composed of twenty (20) men and five (5) women participated in the CEPA campaign at Honda Bay, Barangay Sta. Lourdes, PPC on March 10, 2023.



Photo during the conduct CEPA activity in Honda Bay, Sta. Lourdes on March 10, 2023

A total of fifty (50) residents with thirty-nine (39) men and eleven (11) women from Barangay Tagbato, Salvacion participated in the Communication, Education and Public Awareness Activity on March 27, 2023.



Photo during the conduct CEPA activity in Tagbato, Salvacion on March 27, 2023





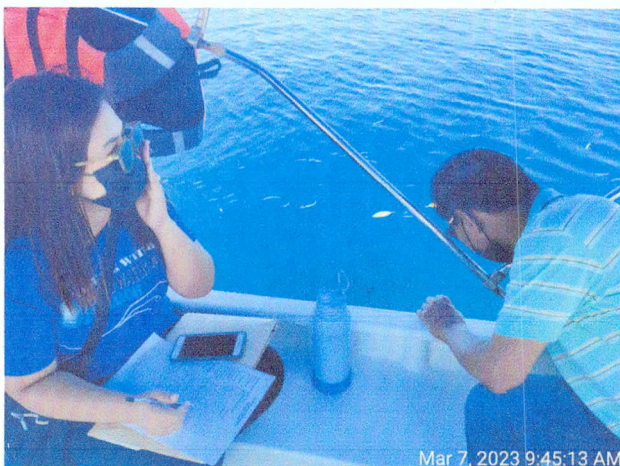
A total of eighty (80) residents composed of forty-eight (48) men and thirty-two (32) women, participated in the CEPA campaign at Barangay Manalo, PPC on March 31, 2023.



Photo during the conduct CEPA activity in Barangay Manalo on March 27, 2023

- **Water quality**

EMB monthly water quality check at Snake Island and its surrounding areas/islands.



Photos during the conducted monthly water quality check on Snake Island





- **Horseshoe crab**

Conducted data gathering of Horse Shoe crab species which were collected by the local fisherfolks. Taking measurement of its head, body and thorax.



Photos documentation during Horseshoe crab data and gender identification.

- **Spot Report**

Conducted investigation on Dead green sea turtle, Missing log (*Toona calantas*), Yacht within Snake Island and Intruders incident at Snake Island NCMCR for 1<sup>st</sup> quarter of 2023.

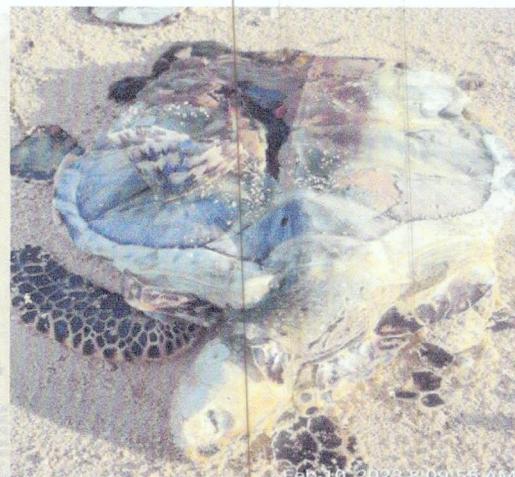


Photo documentation during a spotted dead sea turtle.





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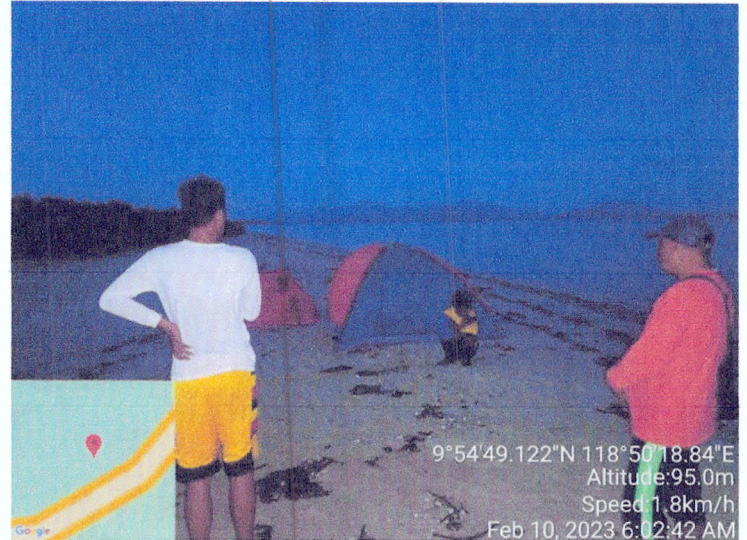
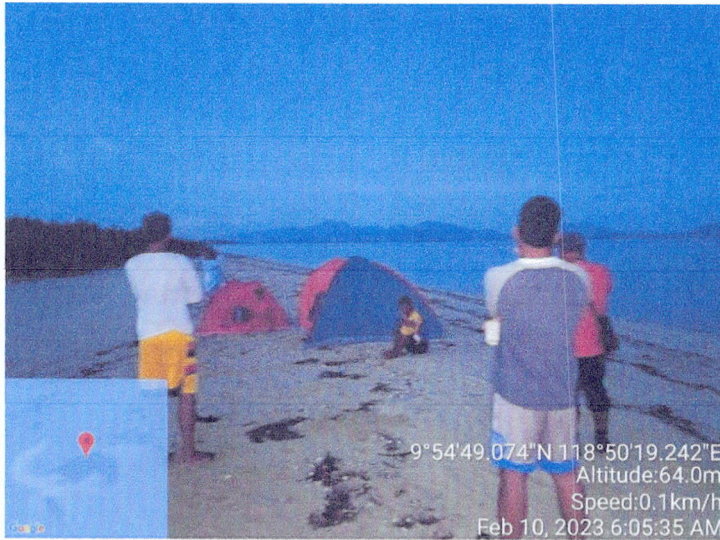


Photo documentation during the intruder's incident at Snake Island



Photo documentation during a log went missing at Snake Island





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Photo during the yacht incident at Snake Island

Prepared by:

  
**SANNY A. NEDRODA**  
Data Manager, SI-NCMCR

Noted by:

  
**RHODORA B. UBANI**  
Chief CDS/SIMO in concurrent capacity