



Republic of the Philippines  
Department of Environment and Natural Resources  
**Provincial Environment and Natural Resources Office**  
**MIMAROPA Region**

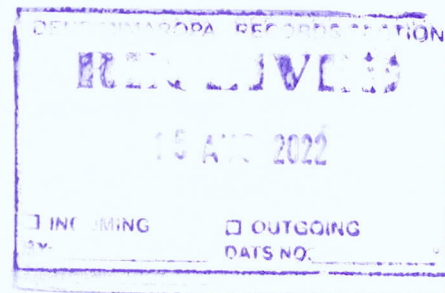
Bgy. Sta. Monica, Puerto Princesa City, Palawan

E-mail: [penropalawan@denr.gov.ph](mailto:penropalawan@denr.gov.ph)

Telfax No. (048) 433-5638 / (048) 433-5638

*Region*

July 06, 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** : **POPULATION COUNT OF FLYING FOXES AT SITIO CATA,  
BARANGAY PORT BARTON, SAN VICENTE, PALAWAN**

Forwarded is the memorandum dated July 25, 2022 of CENRO Roxas along with the report on the population count of flying fox at Sitio Cata, Barangay Port Barton, San Vicente, Palawan on July 19, 2022 that serves as **Means of Verification (MOV)** to the target activity under Conservation of threatened species – Flying Fox population count.

Based on the report, four hundred seventy-one (471) flying foxes in total were recorded in the evening at Sitio Cata, Barangay Port Barton. A significant difference from the previous population count was made, with a total count of seven hundred fifty (750). This may be due to the damage to their habitat and food sources caused by Typhoon Odette.

Attached are Exit Count Data Sheet, Roost Characteristic Data Sheet, Species Abundance Data Sheet, geo-tagged photographs of the activity, and location map.

For information and record.



*[Signature]*  
**FELIZARDO B. CAYATOC**

DENR-PALAWAN  
PENRO-RECORDS  
**RELEASED**  
By *[Signature]*  
Date: 11 AUG 2022 CN 62-2003



Republic of the Philippines  
**Department of Environment and Natural Resources**  
**Region IV- MIMAROPA**  
**COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**  
Barangay III (Poblacion), Roxas, Palawan  
Contact No. 09171606578 / 09175028647  
Email address: [cenroroxaspalawan@denr.gov.ph](mailto:cenroroxaspalawan@denr.gov.ph)

July 25, 2022

**MEMORANDUM**

**FOR** : The Provincial Environment and  
Natural Resources Officer  
Sta. Monica, Puerto Princesa City

**FROM** : The Community Environment and  
Natural Resources Officer  
Roxas, Palawan

**SUBJECT** : **POPULATION COUNT OF FLYING FOXES AT SITIO CATA,  
BGY. PORT BARTON, SAN VICENTE, PALAWAN**


DENR PENRO  
PALAWAN RECORDS  
RECEIVED

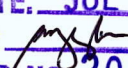
BY:   
DATE: 08-02-2022 22:06:80

Respectfully forwarded is the report of Conservation and Development Section of CENRO-Roxas, Palawan on above mentioned subject in line with the target activity on Population and habitat monitoring of bats (flying foxes).

Attached are the exit count data sheet, roost characteristic data sheet, species abundance data sheet, geotagged photos, and location map.

For information and record.

  
PABLO L. CRUZ

DENR-CENRO ROXAS  
RELEASED  
DATE: JUL 25 2022  
BY:   
DOC NO. 2022-07-1172





Republic of the Philippines  
**Department of Environment and Natural Resources**  
**Region IV- MIMAROPA**  
**COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**  
Barangay III (Poblacion), Roxas, Palawan  
Contact No. 09171606578 / 09175028647  
Email address: [cenroroxaspalawan@denr.gov.ph](mailto:cenroroxaspalawan@denr.gov.ph)

July 23, 2022

**MEMORANDUM**

**FOR :** The Community Environment and Natural Resources Officer  
Roxas, Palawan

**FROM :** The Undersigned

**SUBJECT :** **POPULATION COUNT OF FLYING FOXES AT SITIO CATA,  
BGY. PORT BARTON, SAN VICENTE, PALAWAN**



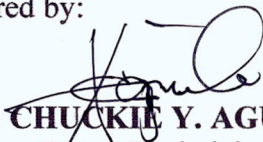
In compliance to the target activity on Population and habitat monitoring of bats (flying foxes), please be informed that the undersigned conducted a Flying Foxes fly out count last July 19, 2022 at Sitio Cata, Bgy. Port Barton, San Vicente, Palawan.

The fly out started at 6:38 in the evening and the team was able to count a total of 471 flying foxes. A significant difference compared to the last period of population count made which of 750 is possible due to the damages on their habitat and food sources caused by typhoon Odette.

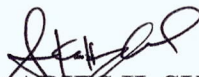
These flying foxes flew to North, Northwest and Northeast directions and most of the dispersed exit pattern was in Northeast direction. The counting was ended at 6:53 in the evening which only lasted for about 15 minutes. The flying fox species in the area was unidentified due to it was too dark to recognize.

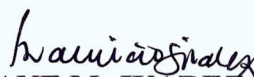
Attached are the exit count data sheet, roost characteristic data sheet, species abundance data sheet, geotagged photos, and location map.

Prepared by:

  
**CHUCKIE Y. AGUILOS**  
Forest Technician I

  
**BRYAN ROSE T. DELA CRUZ**  
Forest Technician I

  
**KARL ARIES H. SUMANDAL**  
Forest Technician II

  
**JANE M. JUAREZ**  
ECOMS I

  
**JO ANNE D. CORVERA**  
ECOMS 1

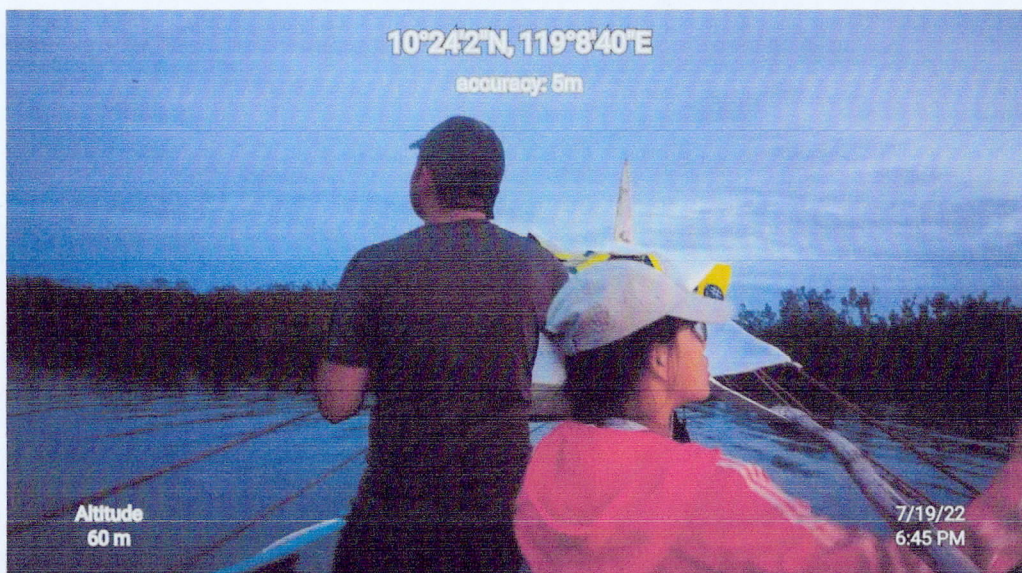
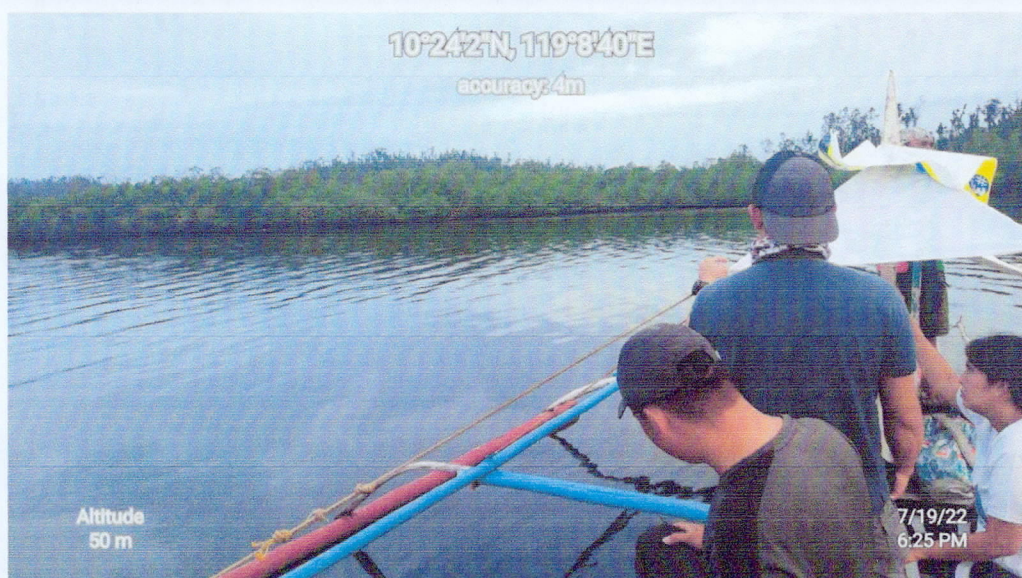
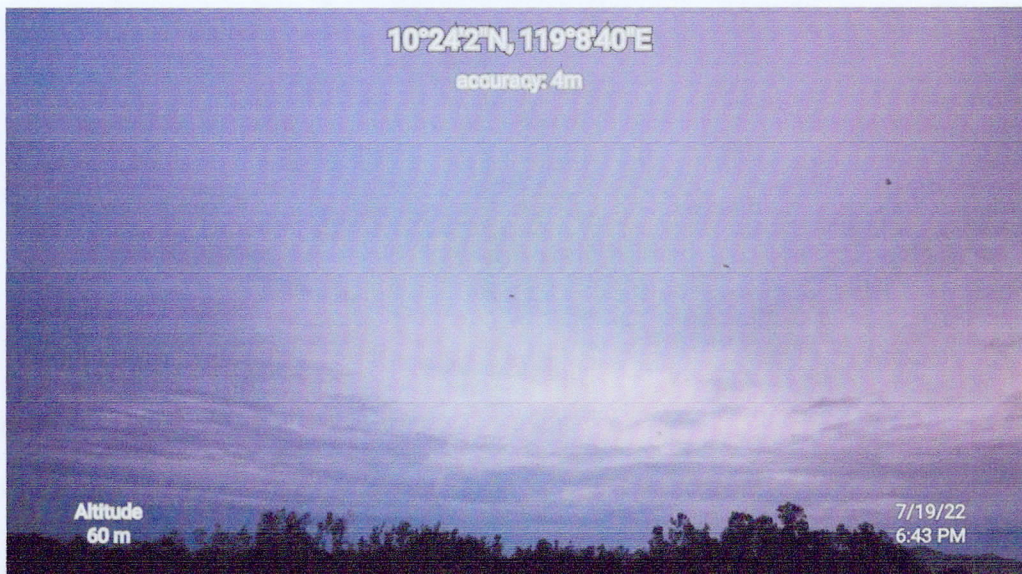
Noted by:

  
**RENSY L. MAGDAYAO**  
OIC-Chief, CDS

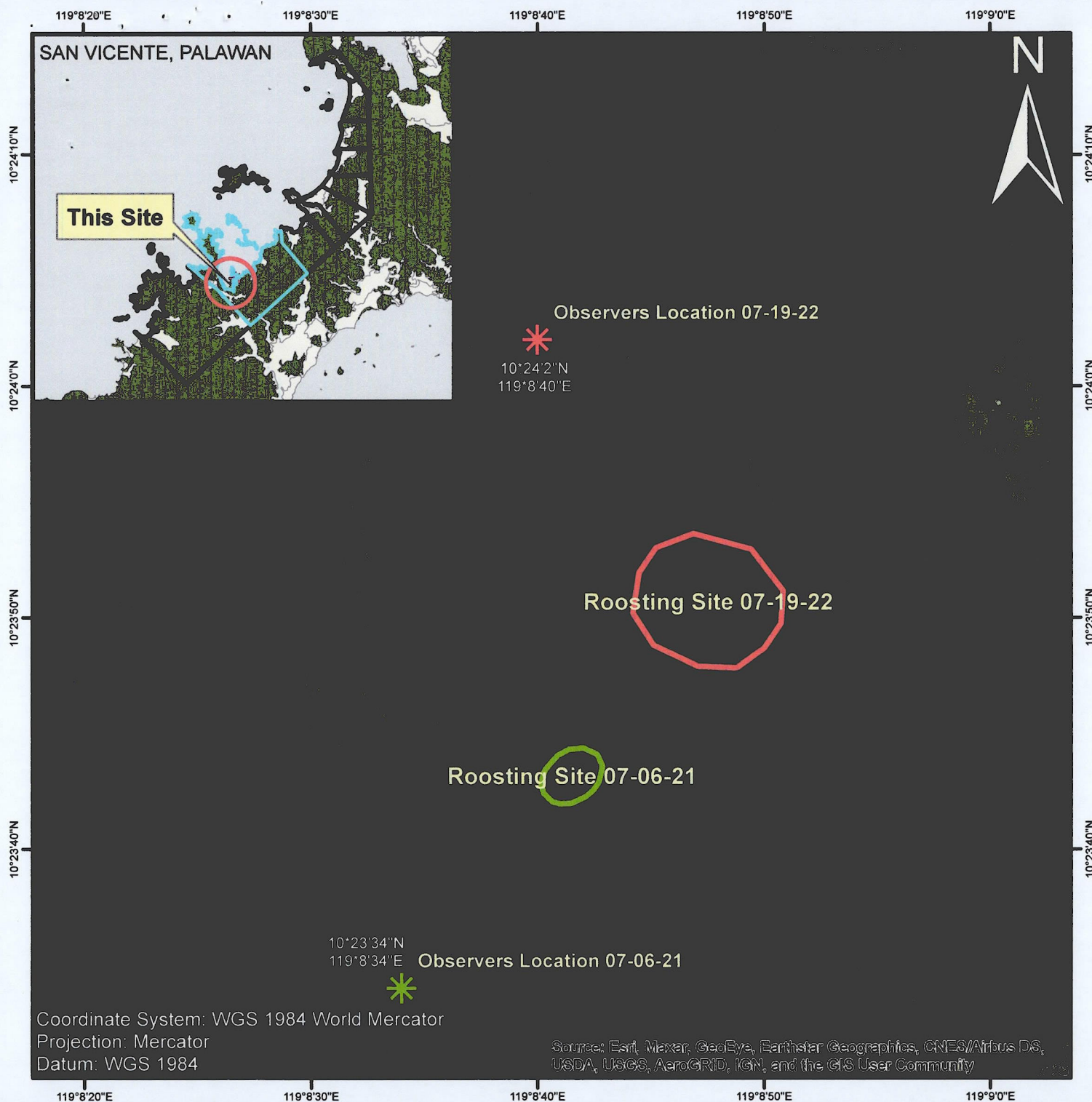




### PHOTO DOCUMENTATION







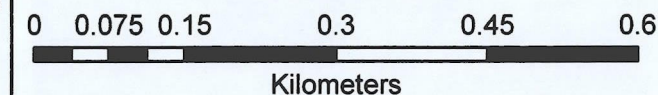
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## MAP SHOWING THE FLYING FOXES ROOSTING SITE IN SITIO CATA, BARANGAY PORT BARTON, SAN VICENTE, PALAWAN

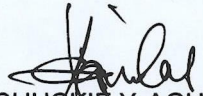
### Legend

-  Observers Location 07-06-21
-  Observers Location 07-19-22
-  Roosting Site 07-06-21
-  Roosting Site 07-19-22
- World Imagery

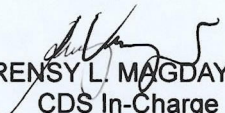
SCALE 1:7,500



Digitized by:

  
CHUCKIE Y. AGUILOS  
Forest Technician I

Noted by:

  
RENSY L. MAGDAYAO  
CDS In-Charge

Coordinate System: WGS 1984 World Mercator  
Projection: Mercator  
Datum: WGS 1984

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS,  
USDA, USGS, AeroGRID, IGN, and the GIS User Community

## BAT COUNT PHILIPPINES – EXIT COUNT DATA SHEET

Counter's name: <i>Jo Annie D. Corvera, Jane M. Juarez, Karl Aries H. Sumandal, Chuckie Y. Aguilos, Bryan Rose T. Dela Cruz</i>		Date of count: <i>July 19, 2022</i>	Weather: <i>Fair</i>	Location (island, general area): <i>Sitio Cata, Bgy. Port Barton, San Vicente, Palawan</i>	
Counter location (description with landmarks): <i>More or less 300 meters from the roosting trees</i>		Counter location (lat/long) and counting direction: <i>Lat 10°24'2" N Long 119°8'40" E</i>		Other counters counting the SAME part of the sky as you: <i>none</i>	
Start time (first bat flying): <i>6:38 PM</i>	Stop time: <i>6:53 PM</i>	Reason for stopping (e.g. too dark, no more bats): <i>No more bats</i>		Flow of bats at stopping point (e.g. light, medium, heavy): <i>Light</i>	Number of bats counted in the last minute of the count period: <i>1</i>
Number on your counter at end of count:		Counting interval (s) (e.g. by 1, 10, 50): <i>1</i>		Total number of bats counted (please show math): <i>471</i>	
Reliability of estimate (i.e., problems encountered):			Describe exit pattern (e.g. dispersed, in a tight column):  <i>Dispersed</i>		Direction bats were flying (using compass bearing, describing landmarks, etc.):  <i>North, Northeast , and Northwest directions</i>





# ROOST CHARACTERISTICS DATA SHEET

Date: July 19, 2022

Roost location (island, general area): <i>Sitio Cata, Bgy. Port Barton, San Vicente, Palawan</i>	Nearest barangay/town: <i>Sitio Cata, Bgy. Port Barton, San Vicente, Palawan</i>	Lat/Long of roost: <i>Lat 10°24'2" N</i> <i>Long 119°8'40"E</i>
		Altitude of roost: <i>5 meter</i>
How close can the roost be approached: <i>50 meters</i>	Estimate percentage of roost perimeter which can be accessed:	Describe bats' reaction to approach of researchers:
Describe roosting pattern (clumped/with satellites?): <i>Clamped</i>	Describe roost trees/vegetation (type, condition, species roosting differences): <i>Rhizophora sp.</i>	Describe signs of human access (e.g. trails, garbage, hunting information): <i>None</i>
# trees within roosting area above 5 meters tall:	# dead trees above 5 m:	# trees with roosting bats:
Estimate area containing roosting bats:	Topography (e.g. ridge, upper slope, orientation of slope, valley bottom): <i>Low and relatively flat</i>	Nearness to river and description (e.g. width, gradient): <i>Nearest river is the Cata River which is 50 meters away</i>
Distance to ocean/ sea: <i>300 meters</i>	Human settlements (how close, how many): <i>500 meters</i>	Roost permanent or changing? Temporal pattern of change? Location of alternative roost sites? <i>permanent</i>
Travel directions and transit time:  <i>North, Northeast , and Northwest directions</i>		Contacts: