



July 5, 2023

**MEMORANDUM**

**FOR** : The Regional Executive Director  
DENR MIMAROPA Region

**THRU** : The Assistant Regional Director for Technical Services

**FROM** : The OIC, PENR Officer  
Oriental Mindoro

**SUBJECT** : **SUBMISSION OF REPORT ON THE MONITORING OF MARINE TURTLES AND NESTING SITES WITHIN THE AREA OF RESPONSIBILITY (AOR) OF CENRO SOCORRO, ORIENTAL MINDORO FOR THE 2<sup>ND</sup> QUARTER OF CY 2023**

Forwarded is the monitoring report from the CENRO Socorro regarding the abovementioned subject. This pertains to the conducted activities in the monitoring sites of marine turtles and nesting sites of the said office observed in the municipalities of San Teodoro, Naujan and Calapan City for the second quarter of CY 2023. A total of five (5) activities were accomplished by CENRO Socorro regarding the monitoring of marine turtles and their nesting sites within their jurisdiction for the 2<sup>nd</sup> Quarter. Further details for each of these activities are indicated in the narrative report attached in this document.

In celebration of Month of the Ocean (MOO) 2023, an Information, Education and Communication (IEC) Campaign on Marine Turtle Conservation was conducted by the said office on Brgy. Ilag, San Teodoro last May 11, 2023. The IEC primarily discusses general information on marine turtles observed in the Philippines. A total of 47 individuals participated in the event consisting of barangay fisherfolks, residents and officials. The participants were also reminded that there are laws governing these animals. They are requested to coordinate with CENRO Socorro and their respective LGUs in case illegal or accidental marine turtle activities for proper immediate actions. This campaign shall further improve the knowledge and actions taken by the residents and officials of Brgy. Ilag for the conservation and protection of marine turtles.

A total of two (2) monitoring activities were also conducted in three (3) coastal barangays of Calapan City. These were conducted in Brgy. Lazareto and Brgy. Suqui last May 31 to June 1, 2023 and Brgy. Navotas last Jun 14, 2023 by CENRO Socorro personnel. Coordination with concerned barangay officials report that no new marine turtle activities were observed in all mentioned barangays for this quarter. Afterwards, shoreline assessments were conducted in the coastal areas of each barangay, noting flora and fauna within the sites. Existing possible threats such as solid wastes and several human activities were also detected. Fortunately, no signs of oil from the recent MT Princess Empress Oil Spill were observed within all sites. The monitoring of these three (3) coastal barangays of Calapan City shall serve as baseline reference on marine turtle nesting sites for future quarterly reports.



As part of the World Ocean's Day (WOD) 2023 and Coral Triangle Day (CTD) 2023, various conservation activities in Brgy. Balite and Brgy. Pachoca, Calapan City were also implemented by the office last June 6, 2023. Conduct of Communication, Education and Public Awareness (CEPA) was conducted discussing the significance of WOD and CTD, as well as the background of coastal and marine ecosystems and their services. The CEPA also presented adverse threats and impacts currently experience by coastal areas and several ways to protect them. A coastal clean-up in the barangays were also conducted together with the residents and officials. A total of 22 sacks and eight (8) garbage bags of non-biodegradable wastes were collected during the clean-up. Official digital and physical banners for the two (2) events were also generated as initiative of the office to further instill public awareness. Lastly, 15 biodiversity-related IEC Campaign materials on were successfully distributed to the Barangay LGU of Balite, Calapan City.

The released of 97 marine turtle hatchlings in Brgy. Estrella, Naujan was validated by CENRO Socorro personnel last June 16, 2023. Barangay LGU and residents were interviewed regarding the status, condition and events for the release of these hatchlings, noting the observance of scattered hatchlings last January 30, 2023. Shoreline inspection of current threats by CENRO personnel and barangay LGUs reveal (a) marine debris from various biodegradable and non-degradable wastes becoming hindrances; and (b) light pollution from street and household lamps within the coastal residences distracting these hatchlings away from the sea.

Attached are the map of marine turtle nesting sites monitored and necessary files obtained from the events conducted by the office such as attendance sheets, IEC Campaign materials and assessment and evaluation forms.

For information and record.

  
ALAN VALLE







DENR-MIMAROPA REGION	
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE	
ORIENTAL MINDORO	
RECEIVED BY:	<i>[Signature]</i>
DATE:	JUL 04 2023
TIME:	

June 16, 2023

## MEMORANDUM

**FOR :** The Regional Executive Director

**THRU :** The OIC, PENR Officer

**FROM :** The CENR Officer

**SUBJECT :** **SUBMISSION OF REPORT ON THE MONITORING OF MARINE TURTLES AND NESTING SITES WITHIN THE AREA OF RESPONSIBILITY (AOR) OF CENRO SOCORRO, ORIENTAL MINDORO FOR THE 2<sup>ND</sup> QUARTER OF CY 2023**

Respectfully submitting the report on the monitoring of marine turtles and nesting sites within the Area of Responsibility (AOR) of CENRO Socorro, Oriental Mindoro for the 2<sup>nd</sup> quarter of CY 2023. The activities are part of *Protection and Conservation of Wildlife: Conservation of Threatened Species* under *Wildlife Resources Conservation Sub-Program* of CY 2023 Work and Financial Plan (WFP) per approved General Appropriations Act (GAA).

The CENRO Socorro successfully accomplished the following activities:

1. Conducted Information, Education and Communication (IEC) Campaign on Conservation of Marine Turtles on May 11, 2023 in Barangay Ilag, San Teodoro, Oriental Mindoro;
2. Monitored the marine turtle nesting site on May 31-June 1, 2023 in the Barangays of Lazareto and Suqui, Calapan City, Oriental Mindoro;
3. Conducted conservation activities on June 9, 2023 in the Barangays of Balite and Pachoca, Calapan City, Oriental Mindoro;
4. Monitored the marine turtle nesting site on June 14, 2023 in Barangay Navotas, Calapan City, Oriental Mindoro; and
5. Validated the release of 97 marine turtle hatchlings on June 16, 2023 in Barangay Estrella, Naujan, Oriental Mindoro.

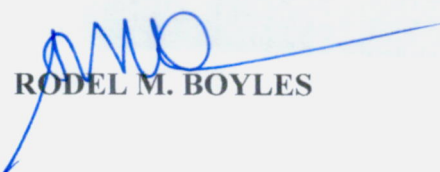
Attached are the five (5) documents in support to the accomplished activities:

1. 3-Paged Attendance Sheet on IEC Campaign on Conservation of Marine Turtles in Barangay Ilag, San Teodoro, Oriental Mindoro;
2. One (1) Annex A.1 Habitat Assessment and Evaluation Form with corresponding map for the monitoring of marine turtle nesting site in the Barangays of Lazareto and Suqui, Calapan City, Oriental Mindoro;
3. 4-Paged Attendance Sheet on conservation activities conducted in the Barangays of Balite and Pachoca, Calapan City, Oriental Mindoro;
4. One (1) Annex A.1 Habitat Assessment and Evaluation Form with corresponding map for the monitoring of marine turtle nesting site in the Barangays of Balite and Pachoca, Calapan City, Oriental Mindoro;
5. 1-Paged IEC Campaign Materials Receiving Form for the distribution of IEC campaign materials in Barangay Balite, Calapan City, Oriental Mindoro;



6. One (1) Annex A.1 Habitat Assessment and Evaluation Form with corresponding map for the monitoring of marine turtle nesting site in Barangay Navotas, Calapan City, Oriental Mindoro;
7. One (1) MT06 Marine Turtle Nest Evaluation Form for the validation on the release of 97 marine turtle hatchlings in Barangay Estrella, Naujan, Oriental Mindoro; and
8. Map of marine turtle nesting sites monitored for the 2<sup>nd</sup> quarter of CY 2023.

For information and record

  
**RODEL M. BOYLES**





June 16, 2023

**MEMORANDUM**

**FOR** : The CENR Officer

**THRU** : The Forester III/ Chief, CDS

**FROM** : The Forester I

**SUBJECT** : **REPORT ON THE MONITORING OF MARINE TURTLES AND NESTING SITES WITHIN THE AREA OF RESPONSIBILITY (AOR) OF CENRO SOCORRO, ORIENTAL MINDORO FOR THE 2<sup>ND</sup> QUARTER OF CY 2023**

Respectfully submitting the report on the monitoring of marine turtles and nesting sites within the Area of Responsibility (AOR) of CENRO Socorro, Oriental Mindoro for the 2<sup>nd</sup> quarter of CY 2023. The activities are part of *Protection and Conservation of Wildlife: Conservation of Threatened Species* under *Wildlife Resources Conservation Sub-Program* of CY 2023 Work and Financial Plan (WFP) per approved General Appropriations Act (GAA).

The CENRO Socorro successfully accomplished the following activities:

**1. Information, Education and Communication (IEC) campaign on Marine Turtle Conservation on May 11, 2023 in Barangay Ilag, San Teodoro, Oriental Mindoro**



Figure 1. IEC campaign in Barangay Ilag, San Teodoro, Oriental Mindoro.

An IEC Campaign on Marine Turtle Conservation in Barangay Ilag, San Teodoro, Oriental Mindoro was successfully held by CENRO Socorro on May 11, 2023. The activity is in celebration of the Month of the Ocean (MOO) 2023. The site is within the Verde Island Passage (VIP). The IEC campaign was attended by 47 participants (29 male and 18 female) which are fisherfolks, residents and Barangay Officials together with the personnel of CENRO Socorro (see Figures 1-2).





Figure 2. IEC campaign on marine turtle conservation.

To inform the participants on the importance of marine turtles and to cultivate the value of conservation and protection of said endangered species, the topics discussed during the IEC campaign include the following:

1. Information on Marine Turtles (Marine Turtles in the World and in the Philippines, Parts, Difference to Terrapin and Tortoise, Life Stages);
2. Importance of the Marine Turtle Species to the Ecology;
3. Identification of the Five (5) Marine Turtles in the Philippines (in Adult and Hatchling Form);
4. Conservation Status per DENR and IUCN, and Population Trend;
5. Threats (Natural and Anthropogenic);
6. Laws and Policies on the Protection of Endangered Marine Turtles (*Executive Order No. 192 Series of 1987: Reorganization Act of DENR* and *Republic Act No. 9147: Wildlife Resources Conservation and Protection Act of 2001*); and
7. Proper Actions When Encountering Marine Turtles (By-Catch, Wounded/ Diseased, Nesting, Emergence of Hatchlings).

The other topics discussed by CENRO Socorro personnel simultaneously to the IEC campaign include the following:

1. Forest Formations in the Philippines;
2. Coastal and Marine Ecosystems (Mangrove Forest, Beach Forest, Sea Grass Beds, Sea Weeds and Coral Reef);
3. Ecosystem Services of Forests, and Coastal and Marine Ecosystems;
4. Ways to Conserve and Protect the Forest, and Coastal and Marine Ecosystems;
5. Orientation/ Background Month of the Ocean (MOO);
6. Ecosystem Services of Oceans; and
7. Ways to Conserve and Protect the Ocean.

Barangay Ilag is frequently visited by marine turtles. In fact, there are many instances of accidental by-catch and stranding featured in various news. Furthermore, a number of marine turtles had nest in their area, with latest nesting event last year. This implies that the coastal and marine ecosystems of the barangay are conducive to support the physiological processes (foraging and nesting) of marine turtles.

The speaker reminded the participants to coordinate with the Local Government Unit (LGU) and CENRO Socorro in case marine turtle activities (by-catch, stranding, nesting, emergence of hatchlings) and illegal activities (killing, poaching and others) happened for proper actions to be done. The contact number and email of Coastal and Wildlife Focal and CENRO Socorro were provided during the IEC campaign.





## 2. Monitoring of Marine Turtle Nesting Site on May 31-June 1, 2023 in the Barangays of Lazareto and Suqui, Calapan City, Oriental Mindoro



Figure 3. Coordination with the LGU of the Barangays of Lazareto (left) and Suqui, Calapan City, Oriental Mindoro regarding the monitoring of marine turtle nesting site.

The undersigned conducted monitoring of marine turtle nesting site on May 31-June 1, 2023 in the Barangays of Lazareto and Suqui, Calapan City, Oriental Mindoro (see Figure 3). The area is a contiguous sandy shoreline within the VIP and documented as marine turtle nesting site of Olive Ridley Turtle (*Lepidochelys olivacea*).

The undersigned coordinated and conducted interview with Barangay Councilor Maricris A. Cebu of Barangay Lazareto, and Barangay Secretary Geraldine A. Cabuhal and Barangay Councilor Jocelyn M. Quialquial of Barangay Suqui, Calapan City, Oriental Mindoro on May 31-June 1, 2023, respectively. The key informants stated that no new marine turtle activity happened within their AOR. As per the records of CENRO Socorro, the last emergence of hatchlings for Barangay Lazareto happened on February 6, 2023. Meanwhile, the last marine turtle activity for Barangay Suqui happened long ago. The exact year cannot be remembered by key informants.

After the coordination and interview, the undersigned proceeded to the field monitoring. Based on the monitoring, it was found out that the site is predominant mixed sand. The vegetation is composed mainly of Talisay (*Terminalia catappa*), Coconut (*Cocos nucifera*), Botong (*Barringtonia asiatica*) and Aroma (*Acacia farnesiana*). About 1.48 km of shoreline was monitored during the patrolling (see Figure 4).





Figure 4. Monitoring of marine turtle nesting site in the Barangays of Lazareto and Suqui, Calapan City, Oriental Mindoro.

A total of one (1) marine turtle nest in Barangay Lazareto is present in the contiguous shoreline. The exact location was not determined as it was not seen/ documented by the LGU nor the DENR after the emergence last year. Subsequently, the nesting site in Barangay Suqui is presumed to be within the site as the nesting and/ or emergence was not reported in CENRO Socorro. Nevertheless, it is included in the *BMB TB No. 2020-05: Guidelines on the Protection of Marine Turtle Nesting Habitats* as nesting site. Meanwhile, no tracks of marine turtles were seen during the monitoring.

The threats for the endangered marine turtles observed during the monitoring include the presence of coastal communities that are generators of solid waste, source of light pollution, and owners of boats docking in the area and stray dogs because of the risk of predation. Likewise, the oil spill in the province is also identified as a threat because of the adverse condition that it may cause to the marine turtles and their habitat. Nevertheless, no traces of oils nor sheen were seen because of the cleaning done for the said maritime incident. The other threats identified are due to the processes of environment/ nature such as sea level rise, global warming and climate change (see Figure 5).



Figure 5. Threats observed for the marine turtles.





The undersigned requested the Barangay LGUs to coordinate with the DENR-CENRO Socorro for possible nesting, emergence of hatchlings, stranding, injured, death and/ or poaching incidence with regards to marine turtles. The information provided will serve as basis for the formulation and/ or implementation of Programs/ Activities/ Projects (PAPs) with regards to the conservation, management and protection of marine turtles in the province.

### 3. Conduct of Conservation Activities on June 9, 2023 in the Barangays of Balite and Pachoca, Calapan City, Oriental Mindoro



Figure 6. Photo opportunity during the conservation activities in the Barangays of Balite and Pachoca, Calapan City, Oriental Mindoro.

The CENRO Socorro conducted various conservation activities on June 9, 2023 in the Barangays of Balite and Pachoca, Calapan City, Oriental Mindoro (see Figure 6). The Barangay Balite is documented as marine turtle nesting site. Its coast is connected to Barangay Pachoca. The contiguous shoreline of the two barangays is within the VIP.

The conservation activities are part of celebration of World Ocean's Day (WOD) 2023 and Coral Triangle Day (CTD) 2023. The activities include CEPA on ocean and coral conservation; coastal clean-up; monitoring of marine turtle nesting site; distribution of IEC campaign materials; and production and installation of official digital design/ banner. The activities were attended by 75 participants (32 male and 43 female) coming from volunteers and CENRO Socorro, Oriental Mindoro with age groups ranging from 22-64 years old.

The topics discussed during the CEPA include the background of coastal and marine ecosystems of the area; the significance of WOD and CTD; and, ecosystem services, threats, adverse impacts of degradation, and ways to conserve and protect the corals and ocean (see Figure 7).





Figure 7. CEPA in the Barangays of Balite and Pachoca, Calapan City, Oriental Mindoro.

After the CEPA, several participants were designated as recorders while the rest of participants served as collectors of garbage for the coastal clean-up (see Figure 8). The Volunteer Ocean Trash Data Form from Ocean Conservancy Organization (2022/ latest version) was used to record and analyze the waste collected. A total of 22 sacks and 8 garbage bags of non-biodegradable trash were collected in the 880 m coastal area of the Barangays of Balite and Pachoca. These came from coastal households and/ or carried by water bodies (Calapan River, Baruyan River and/ or ocean).



Figure 8. Coastal clean-up in the Barangays of Balite and Pachoca, Calapan City, Oriental Mindoro.

In the data collected per the duly filled-out Volunteer Ocean Trash Data Form, the *Most Likely to Find Items* category has the most number of trash, totaling to 1,404 pieces or 73.16% of the total 1,919 garbage pieces recorded. The *food wrappers (coffee, chips, etc.)* are the trash under the aforementioned category with the most number – 385 pieces (see Table 1 and Figure 9).

The Top 1 trash category is followed by *Other Items/ Debris* category with 249 pieces (12.98%), *Packaging Material* category with 119 pieces (6.20%), *Tiny Trash Less Than 2.5 cm* category with 108 pieces (5.63%), *Personal Hygiene* category with 35 pieces (1.82%) and lastly by *Fishing and Boating* category with 4 pieces or 0.21%. Neither *Illegal Dumping* nor *Dead/ Injured Animals* were noted. The trash collected was turned-over to the Barangay LGUs for proper management and disposition (see Table 1 and Figure 9).





Table 1. Trash categories and the respective items with the most number per category during the coastal clean-up.

Category	Total	Percentage	Trash in the Category with the Most Number	Number
Most Likely to Find Items	1,404	73.16	Food wrappers (coffee, chips, etc.)	385
Other Items/ Debris	249	12.98	Other plastic waste	70
Packaging Material	119	6.20	Plastic sachets (detergent, shampoo, etc.)	118
Tiny Trash Less Than 2.5 cm	108	5.63	Plastic/ foam pieces	108
Personal Hygiene	35	1.82	Gloves and masks (PPE)	16
Fishing and Boating	4	0.21	Fishing net	2
Illegal Dumping	0	0.00	None	N/A
Dead/ Injured Animal	0	0.00	None	N/A
<b>Total</b>	<b>1,919</b>	<b>100.00</b>		



Figure 9. About 22 sacks and 8 garbage bags of non-biodegradable trash were collected during the coastal clean-up.

Further, the official digital designs/ banners of WOD 2023 and CTD 2023 were produced and used during the conduct of regular special events. At the same time, these were installed at the information desk and front of CENRO Socorro on June 8 and 9, 2023. The digital designs/ banners are made of paper (*tarpapel*). This is an initiative of the office in joining the celebration and to inform the public about the regular special event related to coastal and marine protection, conservation and management.

Likewise, about 15 IEC campaign materials on biodiversity, marine turtle, birds, forests, mangrove forests, sea grass and Marine Protected Area (MPA) were distributed to the LGU of Barangay Balite, Calapan City, Oriental Mindoro (marine turtle nesting site) to serve as their reference in the formulation and/ or implementation of PAPs related to the conservation, management and protection of marine turtles and their coastal and marine resources (see Figure 10).





Figure 10. Distribution of IEC campaign materials to the LGU of Barangay Balite, Calapan City, Oriental Mindoro.

The area was also monitored simultaneously with the celebration of WOD 2023 and CTD 2023. Based on the monitoring, it was found out that the site is predominant mixed sand. The vegetation is composed mainly of Talisay (*Terminalia catappa*), Coconut (*Cocos nucifera*) and Aroma (*Acacia farnesiana*). About 877.62 m of shoreline were monitored during the patrolling.

A total of one (1) marine turtle nest in Barangay Balite is present in the contiguous shoreline. The exact location was not determined as it was not seen/ documented by the LGU nor the DENR. Nevertheless, it is included in the BMB TB No. 2020-05: *Guidelines on the Protection of Marine Turtle Nesting Habitats* as nesting site. Meanwhile, no tracks of marine turtles were seen during the monitoring.

The threats for the endangered marine turtles observed during the monitoring include the presence of tourists and coastal communities that are generators of solid waste, source of light pollution, and owners of boats docking in the area and stray dogs because of the risk of predation (see Figure 11). Likewise, the oil spill in the province is also identified as a threat because of the adverse condition that it may cause to the marine turtles and their habitat. Nevertheless, no traces of oils nor sheen were not seen because of the cleaning done for the said maritime incident. The other threats identified are due to the processes of environment/ nature such as sea level rise, global warming and climate change.



Figure 11. Threats observed for the marine turtles.

The LGUs of the Barangays of Balite and Pachoca were asked for the latest marine turtle activity within their AOR. Based on the interview conducted by the undersigned, it was found out that marine turtle activities happened long ago and no new activities were documented within their jurisdiction. The undersigned requested the Barangay LGU to coordinate with the DENR-CENRO Socorro for possible nesting, emergence of hatchlings, stranding, injured, death and/ or poaching incidence with regards to marine turtles. The information provided will serve as basis for the formulation and/ or implementation of PAPs with regards to the conservation, management and protection of marine turtles in the province.





#### 4. Monitoring of Marine Turtle Nesting Site on June 14, 2023 in Barangay Navotas, Calapan City, Oriental Mindoro



Figure 12. Coordination with the LGU of Barangay Navotas, Calapan City, Oriental Mindoro regarding the monitoring of marine turtle nesting site.

The undersigned conducted monitoring of marine turtle nesting site on June 14, 2023 in Barangay Navotas, Calapan City, Oriental Mindoro (see Figure 12). The area is within the VIP and documented as marine turtle nesting site of Olive Ridley Turtle (*Lepidochelys olivacea*).

The undersigned coordinated and conducted interview with Barangay Councilor Macario R. Danguinoo to ascertain the marine turtle activities happened within their AOR. The key informant stated that no new marine turtle activity happened within their AOR. As per the records of CENRO Socorro, the last emergence of hatchlings happened last year.

After the coordination and interview, the undersigned proceeded to the field monitoring (see Figure 13). Based on the monitoring, it was found out that the site is predominant mixed sand. The vegetation is composed mainly of Talisay (*Terminalia catappa*), Coconut (*Cocos nucifera*), Botong (*Barringtonia asiatica*), Aroma (*Acacia farnesiana*), Rain tree (*Samanea saman*), Bakawan (*Rhizophora sp.*), Api-Api (*Avicennia officinalis*), Piapi (*Avicennia marina* var. *rumphiana*), Sasa/ Nipa (*Nypa fruticans*). About 1.48 km of shoreline was monitored during the patrolling activity.



Figure 13. Monitoring of marine turtle nesting site in Barangay Navotas, Calapan City, Oriental Mindoro.





A total of one (1) marine turtle nest is present in Barangay Navotas. Meanwhile, no tracks of marine turtles were seen during the monitoring.

The threats for the endangered marine turtles observed during the monitoring include the presence of coastal communities that are generators of solid waste, source of light pollution, and owners of boats docking in the area and stray dogs because of the risk of predation. Likewise, the oil spill in the province is also identified as a threat because of the danger that it may cause to the marine turtles and their habitat. Nevertheless, no traces of oils nor sheen were seen because of the cleaning done for the said maritime incident. The other threats identified are due to the processes of environment/ nature such as sea level rise, global warming and climate change (see Figure 14).



Figure 14. Threats observed for the marine turtles.

The undersigned requested the Barangay LGU to coordinate with the DENR-CENRO Socorro for possible nesting, emergence of hatchlings, stranding, injured, death and/ or poaching incidence with regards to marine turtles. The information provided will serve as basis for the formulation and/ or implementation of PAPs with regards to the conservation, management and protection of marine turtles in the province.

##### 5. Validation on the Release of 97 marine turtle hatchlings on June 16, 2023 in Barangay Estrella, Naujan, Oriental Mindoro



Figure 15. Validation on the release of 97 marine turtle hatchlings in Barangay Estrella, Naujan, Oriental Mindoro.





The undersigned and Forest Technician I Joey Albert L. San Diego conducted validation on the release of 97 marine turtle hatchlings on June 16, 2023 in Barangay Estrella, Naujan, Oriental Mindoro (see Figure 15). This is in response to the information provided by the Barangay LGU to CENRO Socorro this month.

The said CENRO Socorro personnel conducted interview with the Barangay LGU and residents to ascertain the status, condition and events of the release of hatchlings. Based on the interview, it was found out that on January 30, 2023, the residents of Barangay Estrella in the early morning found a number of marine turtle hatchlings scattered. The Barangay LGU facilitated the release of hatchlings after they were all recovered in the marine debris (see Figure 16).



Figure 16. Marine turtle hatchlings recovered by the Barangay LGU of Estrella and residents.

The CENRO Socorro personnel were accompanied by Barangay Chairperson Elmer D. Villalobos on the release site. Based on the inspection, it was found out that aside from the hindering marine debris (biodegradable and non-biodegradable), the street lights and household lights attracted the hatchlings away from the sea (see Figure 17). Meanwhile, Barangay Chairperson Villalobos stated that they did not report to the authority (Municipal Agriculturist Office [MAO] and CENRO Socorro) as the hatchlings had been released immediately back to the sea.



Figure 17. Possible location of nest of marine turtles.



The key informant was informed that the barangay shall conduct periodic coastal clean-up to minimize the threats to marine turtle. All marine turtle activities (nesting, emergence of hatchlings, stranding, injured, death and/ or poaching incidence) shall be reported to the DENR and MAO for recording and proper action. The information provided will serve as basis for the formulation and/ or implementation of PAPs with regards to the conservation, management and protection of endangered marine turtles

Attached are the five (5) documents in support to the accomplished activities:

1. 3-Paged Attendance Sheet on IEC Campaign on Conservation of Marine Turtles in Barangay Ilag, San Teodoro, Oriental Mindoro;
2. One (1) Annex A.1 Habitat Assessment and Evaluation Form with corresponding map for the monitoring of marine turtle nesting site in the Barangays of Lazareto and Suqui, Calapan City, Oriental Mindoro;
3. 4-Paged Attendance Sheet on conservation activities conducted in the Barangays of Balite and Pachoca, Calapan City, Oriental Mindoro;
4. One (1) Annex A.1 Habitat Assessment and Evaluation Form with corresponding map for the monitoring of marine turtle nesting site in the Barangays of Balite and Pachoca, Calapan City, Oriental Mindoro;
5. 1-Paged IEC Campaign Materials Receiving Form for the distribution of IEC campaign materials in Barangay Balite, Calapan City, Oriental Mindoro;
6. One (1) Annex A.1 Habitat Assessment and Evaluation Form with corresponding map for the monitoring of marine turtle nesting site in Barangay Navotas, Calapan City, Oriental Mindoro;
7. One (1) MT06 Marine Turtle Nest Evaluation Form for the validation on the release of 97 marine turtle hatchlings in Barangay Estrella, Naujan, Oriental Mindoro; and
8. Map of marine turtle nesting sites monitored for the 2<sup>nd</sup> quarter of CY 2023.

For information and record.

  
**MACKALEY P. MARTINEZ**





Republic of the Philippines  
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES  
MIMAROPA Region  
Community Environment and Natural Resources Office  
Pasi II, Socorro, Oriental Mindoro





















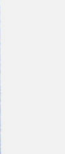
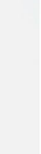
# IEC MEETING

May 11, 2023

Brgy. Ilag, San Teodoro, Oreintal Mindoro

No.	FULL NAME	AGE	SEX		ADDRESS	OFFICE/DESIGNATION	CONTACT NO.	SIGNATURE
			M	F				
1	CHRISTOPHER Merza	42	✓		ILAG, S. Teodoro	Fisherman	09703203317	<i>Cony</i>
2	Notberto Bae	67			ILAG, S. Teodoro	-		<i>Bae</i>
3	Carlson P. Canubos	60	✓		ILAG, S. Teodoro	-		<i>Can</i>
4	Rodolfo C. Villanueva	68	✓		ILAG, S. Teodoro	-		<i>Rod</i>
5	Marlon R. Dapag	66			ILAG, S. Teodoro	-		<i>Mar</i>
6	Joker R. Madrigal	36			ILAG, S. Teodoro	-	09635859846	<i>Joker</i>
7	ERLINDO FLORIDA	79	✓		ILAG SOM	-	09694693812	<i>Erlindo</i>
8	ALVIN L FLORIDA	44	✓		ILAG SOM	-	0948 0297271	<i>Alvin</i>
9	DANTE RRAFAEL	53	✓		ILAG SOM	-		<i>Dante</i>
10	Rasty B. Leuterio	78	✓		ILAG San Teodoro	-		<i>Rasty</i>
11	DANTE D. BAE	44	✓		ILAG SAN TEODORO	-	09489483062	<i>Dante</i>
12	Ivy Gay R. Manongsong	30		✓	ILAG, San Teodoro	-	09859838 247	<i>Ivy</i>
13	PEPI W CERILIA				-	-		<i>Pepi</i>
14	BERNARD CABANTOG	42			-	-	69218795615	<i>Bernard</i>
15	Robert C. Vinas	37	✓		-	-		<i>Robert</i>
16	Dindo Y BAE	50	✓		ILAG SAN TEODORO	-		<i>Dindo</i>



No.	FULL NAME	AGE	SEX		ADDRESS	OFFICE/DESIGNATION	CONTACT NO.	SIGNATURE
			M	F				
17	Sannie Ascan	32	✓		1146 SAN TEODORO, OR. MILDORO	Figueras	0915 800 4569	
18	Bo Bar	47	-		1146 SAN TEODORO OR	-		
19	Mylene F. Vicente	51	✓		1146 SAN TEODORO OR	-	0927 998 1386	
20	Ernesto S. De la Cruz	44	-	✓	1146 SAN TEODORO OR	-	094 8504 3738	
21	Darold Ascan	41	-	✓	1146 SAN TEODORO OR	-	0918 1724 3412	
22	ALBERT C. Vinos	35	✓		1146 SAN TEODORO OR	-	0938 645 2389	
23	Doreen C. Ascan	35	✓		1146 SAN TEODORO OR	-	0951 278 6650	
24	REYNALDO C. RIVERA	42	-		1146 SAN TEODORO OR	-		
25	Jean Madrigal	37			1146 SAN TEODORO	-	0070 320 9332	
26	Ropita D. Flores	54	✓		1146 SAN TEODORO	-	0948 416 2043	
27	Raul B. Luyten	53	✓		1146 SAN TEODORO	-		
28	Raneth O. Rojas	37	✓		1146 SAN TEODORO	-	0955 925 4547	
29	Carman C. Fries	67	-		1146 SAN TEODORO	Figueras	0916 021 2250	
30	Guina R. Florida	50			1146 SAN TEODORO	Figueras	0935 257 6082	
31	Paulina Pemon	44	-		1146 SAN TEODORO	Figueras	0970-534-0444	
32	Linda M. Muro	29			1146 SAN TEODORO	Figueras	0927 559 2350	
33	Arlyne Ascan	37	✓		1146 SAN TEODORO	Figueras	0939 283 0634	
34	DESCARLOS FLORES				"	-		
35	Marienne Carriaga	16	✓		1146 SAN TEODORO	-		
36	Margaret Bar	46	-		1146 SAN TEODORO	-	0918 951 5441	
37	Imelda P. Pae	48	-		1146 SAN TEODORO	-	0970 972 9367	
38	Gilberto V. Lopez	55	-		1146 SAN TEODORO	P. P.	0918 951 5441	
39	MARILYN A. BERNARDIS	46	✓		1146 SAN TEODORO	KAGAKO	0918 951 5441	
40	Ava Arroyo Cruz	46	-		1146 SAN TEODORO	Figueras	0949 601 5357	



No.	FULL NAME	AGE	SEX		ADDRESS	OFFICE/DESIGNATION	CONTACT NO.	SIGNATURE
			M	F				
41	Kimberly Grace Parilla	24		<input checked="" type="checkbox"/>	Mag. Centro Socorro	FPO	0930 134 1470	KGP
42	RICARDO R. MONTANO	68	<input checked="" type="checkbox"/>		Centro Socorro	Scout/PHCI		
43	Yonida Mindone			<input checked="" type="checkbox"/>		FV		
44	JHERLAN LAHEJA	26	<input checked="" type="checkbox"/>		Centro Socorro	Legal Researcher		
45	Rendon d. Talangay	33	<input checked="" type="checkbox"/>			FPO		
46	JERNEEL J. LUIS	29	<input checked="" type="checkbox"/>		CENRO SOCORRO	PPO		
47	Erman A. Gierangca	26	<input checked="" type="checkbox"/>		CENRO SOCORRO	FPO		
48								
49								
50								
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52								
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58								
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60								



## ANNEX A.1 HABITAT ASSESSMENT AND EVALUATION

1. Date of Assessment: MAY 31, 2023
2. Location: BARANWAS OF LAZARETO AND SUGUI, CALAPAN CITY, ORIENTAL MINDORO
3. GPS Coordinates: BARANWAS LAZARETO: 13°25'43"N, 121°12'0"E ; BARANWAS SUGUI: 13°25'8.40"N, 121°12'28.80"E
4. Description of Sand: ( ) black/gray ( ) white ( ☒ ) mixed ( ) others \_\_\_\_\_  
 ( ☒ ) fine ( ) coarse ( ) with coral rubble ( ) mixed with soil  
 Other findings: NONE

5. Beach Vegetation (list species in table below):

TRUSAY	
COCONUT	
ADONIS	
ADONIS	

6. Beach Measurements: REMARKS: INCLUDES THE BARANWAS OF LAZARETO AND SUGUI AS THE BEACH (SHORELINE) IS CONTIGUOUS

Details	Measurement (meters)	GPS Coordinates
Beach length* (measure perpendicular length of marine turtle nest to the highest tide mark)	6.00	SEE GPS COORDINATE ABOVE
Beach width (measure parallel length of beach on two points, noting only areas as possible nesting ground)	1,481.15	SEE THE ABOVE MENTIONED GPS COORDINATES

\* NOTE: Add more rows if more than one nest was reported along same beach

7. Nesting Abundance: ONE (1)
8. Marine turtle tracks seen during visit: ( ) yes ( ☒ ) no
9. Number of complete track/s (tracks coming up the beach & going down): NONE
10. Number of incomplete track/s (tracks either coming up the beach only or going down only): NONE
11. Marine turtle track details: Outer track width (cm): NONE  
Inner track width (cm): NONE
12. Marine turtle nest/s seen during visit: ( ☒ ) yes ( ) no  
If yes, number of active nest/s: 0 number of inactive/old nest/s: ONE (1)
13. With signs of predation: ( ) yes ( ☒ ) no  
If yes, identification of possible predator: REMARKS: DOGS FROM THE LOCAL COMMUNITIES ARE PRESENT WHICH CAN BE PREDATORS TO MARININGS
14. Marine turtle hatchling tracks seen during visit: ( ) yes ( ☒ ) none
15. Marine turtle eggs seen: ( ) yes ( ) yes, but no signs of development ( ☒ ) none
16. Marine turtle egg shells seen: ( ) yes ( ☒ ) none

Other Observations during visit:

THREATS: COASTAL COMMUNITIES, CORAL REEF, BOAT ROCK AREA, POSSIBLE PREDATION FROM DOGS, OIL SPILL, CLIMATE CHANGE, GLOBAL WARMING, SEA LEVEL RISE

Mackale  
 MACKALEY A. MARTINEZ  
 FORESTER I  
 DENR - CENTRAL MINDORO, OR. MIN.





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



**MAP SHOWING THE MONITORING OF MARINE TURTLE NESTING SITE IN THE BARANGAYS OF LAZARETO AND SUQUI, CALAPAN CITY, ORIENTAL MINDORO**

**LEGEND:**

- Tracking
- Distance Monitored (1,481.15 m)

**DISCLAIMER:** Map is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Administrative and political boundaries shown herein does not define authority, and for reference purposes only.

**REFERENCE:** Google Earth, NAMRIA and DENR-CENRO Socorro, Oriental Mindoro

Prepared by:

Reviewed by:

*Mackalev P. Martinez*  
**MACKALEV P. MARTINEZ**  
 Forester I

*Emily C. Aguilon*  
**EMILY C. AGUILON**  
 Forester III/ Chief, CDS

Noted by:

*Rodel M. Boyles*  
**RODEL M. BOYLES**  
 CENR Officer





EVENT: CEPA and Coastal Clean-up in Celebration of the World Ocean's Day 2023 and Coral Triangle Day 2023

DATE: June 9, 2023

VENUE: Barangays of Balite and Pachoca, Calapan City, Oriental Mindoro

MALE = 32  
FEMALE = 49  
TOTAL = 75

MANAGE OF DATE: 22-04-2023

NO.	NAME	AGE	SEX	OFFICE	POSITION/ DESIGNATION	CONTACT NUMBER	SIGNATURE
1	Carl Jansen Jansen	25	M	Ogo	Fishery Biologist	0997967135	
2	Honey Lou E. Fabula	25	F	PHD	Fishery Biologist	09094390395	
3	Robilyn R. Claud		F	PHD	Fishery Technician	09922753203	
4	JOSEPH D. ENINAS		M	PHD	FISH-WARDEN		
5	Maria Olga Jansen A. Calicut	41	F	DOH cum sen	CHOU/Chief MS	09131221756	
6	Mamans P. Macab	50	F	Balit	BHW	09063641937	
7	Fern P. MATRIMBA	55	F	CEMBA - CMC	SNM FORM P	0927110508	
8	MARIFE B. BATO	52	F	BAUTE	BHW	09299150580	
9	Arnel B. Matcharon	44	F	Balit	BHW	09457915092	
10	Egnacio M. Gatchalian	47	M	Balit	Janol	09457913674	
11	Fredie de las Alas	34	M	Balit	Janol	09363151051	
12	TESO E. NOCHE	52	M	Balit	JANOP		
13	Maryna A. Nativiland	41	F	Balit	BHW	09054487327	
14	Eman M. Bato	30	M	Balit	Tanop		
15	Maria B. Bato		F	Balit	BHW		
16	Amilia 2. Aliver	50	F	Balit	BHW	0923856938	
17	MARY FRANCIS RAE RAMBATO	24	F	PG-BNRD	EMS II	09944990885	
18	ADRIAN C. CANTO	32	F	Jc. ENK	CPA II	09663057720	
19	JOSE C. MACAS	35	H	PG-BNRD	CPA I		
20	EULAMP B. CANTO	56	F	Balit	BHW		





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

**EVENT:** CEPA and Coastal Clean-up in Celebration of the World Ocean's Day 2023 and Coral Triangle Day 2023

**DATE:** June 9, 2023

**VENUE:** Barangays of Balite and Pachoca, Calapan City, Oriental Mindoro

NO.	NAME	AGE	SEX	OFFICE	POSITION/ DESIGNATION	CONTACT NUMBER	SIGNATURE
21	DIEGO M. ALEXANDRO	55	F	Balite Brgy. President	Kagawad	09196124544	
22	Roderick Magtibay	60	M	PG - ENRO	PLANT PROPAGATOR	09480620418	
23	EDUARDO P. MENDOZA	61	M	PG - ENRO	CHIEF	09682266626	
24	Nestor E. Romero	53	M	FMO	CALERO	09199785052	
25	Andrew R. Villar	22	M	FMO	SAFETY DRIVER	09636490068	
26	MARICA S. CANDIDO	41	F	Balite	BHW	07146235064	
27	Sharmaine M. Butombe	27	F	CENRO SOCORRO	DMD	09113632680	
28	Ricardo R. Natulad	62	M	"	PADM		
29	Emily Aguillon	16	F	-do-	FII		
30	Mark Joseph Cepillo	23	M	FMO	barangay jagat		
31	Florence Macaquin	17	F	Pachoca	Kagawad	09659108223	
32	RODEL M. BONES		M	CENRO SOCORRO	CENRO OFFICER		
33	SHINE ARMY D. ANONUEVO	23	F	CENRO SOCORRO	PSS	09163684981	
34	WALTER L. TORONTAO	46	M	CENRO SOCORRO	MMI	09487281486	
35	Karen C. Alcaran		F	-do-	FORWARD II		
36	Kimberly Grace G. Porillo	24	F	CENRO SOCORRO	TRD	09161341970	
37	JOHN KENNETH M. MENDOZA	22	M	CENRO SOCORRO	OJT	09273105940	
38	IRATANE JAVOTTOT	22	F	CENRO SOCORRO	OJT	09614030078	
39	MARCELO ORTEGA	22	F	CENRO SOCORRO	OJT	09166483433	
40	RIGINE RUBIO	21	F	CENRO SOCORRO	OJT	09125882700	





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

EVENT: CEPA and Coastal Clean-up in Celebration of the World Ocean's Day 2023 and Coral Triangle Day 2023

DATE: June 9, 2023

VENUE: Barangays of Balite and Pachoca, Calapan City, Oriental Mindoro

NO.	NAME	AGE	SEX	OFFICE	POSITION/ DESIGNATION	CONTACT NUMBER	SIGNATURE
41	JONITO M. ORWYER	48	M	BRGY. PACHOCA	BRGY. ORG. MAN	09127295133	
42	JESUS M. ADEVA	60	M	"	" K6D	0956004888	
43	ARMANDO A. SERGIO	64	M	"	"		
44	Jennifer Q. Saballo	47	F	"	KAGAWAD	0970-670-2632	
45	Edith Del Mundo	43	F	"	BHW	0911892322	
46	Linna A. Sergio	60	F	"	DNIS	09535118912	
47	ERWIN C. ESTROJO	53	M	BRGY. PACHOCA	CHIEF TANDOD	09133205210	
48	JUAN U. ACEVEDA III	41	M	BRGY. PACHOCA	TANDOD	09067783019	
49	JAIME REANO	68	M	BRGY. PACHOCA	TANDOD		
50	Angelita Villaluna	53	F	TREASURER	Pachoca		
51	EVDIRA De Belen	64	F	Pachoca	BHW	09658070080	
52	Angie T. Gaba	44	F	Pachoca	BHW		
53	Ligaya Sergio	51	F	Pachoca	BHW	09389078229	
54	Emelita P. Lawig	61	F	Pachoca	BHW	09953862260	
55	NOREYN M. ENRIQUETA	42	F	PACHOCA	BHW	0991182746	
56	Arnel V. TEMPLE	47	M	PACHOCA	TANDOD		
57	Arnel V. Garcia	52	F	PACHOCA	TANDOD	09914786262	
58	Benito Agleron	51	M	Pachoca	TANDOD		
59	Erwin Sison		M	DENR-CENRO	FOREST PATROLLER		
60	ADRIAN CASTILLO		M	DENR-CENRO	FOREST PATROLLER		





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

**EVENT:** CEPA and Coastal Clean-up in Celebration of the World Ocean's Day 2023 and Coral Triangle Day 2023

**DATE:** June 9, 2023

**VENUE:** Barangays of Balite and Pachoca, Calapan City, Oriental Mindoro

NO.	NAME	AGE	SEX	OFFICE	POSITION/ DESIGNATION	CONTACT NUMBER	SIGNATURE
61	Marinel C. Saballo	45	F	Barang. Councilor Pachoca	Councilor R	0952174594	
62	AIDA H. RAMOS	64	F	PACHOCA	BHW		
63	MARIA TAKAH V. RODEGERNO	36	F	PACHOCA	BHW	09264036701	
64	Jay Wilhelm Zeus Lavet Karbigan	27	M	DENR CENTRO SOCORRO	cartographer		
65	Virginia Versoza	56	F	"	FT II		
66	Josephine V. Guasco	61	F	"	AOI		
67	Arleth Escamillas	24	F	DENR CENTRO SOCORRO	RS	09500385986	
68	Romelyn F. Flores	42	F	DENR CENTRO SOCORRO	FT I		
69	Onestyn A. Layon	26	F	"	Legal Research		
70	ETRIEN GAMBORA	51	M	"	TM		
71	Andres Oliver G. Mas	58	M	"	CMO II	09067579745	
72	Hazel Rose F. Perez	24	F	"	LM	09363418461	
73	Arclite Z. Arky	48	F	Balite	BHW	09450470924	
74	Michaefangels M. Muncie	45	M	CENRO SOCORRO	ENGA		
75	MARCUS P. MARTINEZ	25	M	CENRO SOCORRO	POSTER	09390210009	
76							
77							
78							
79							
80							



# ANNEX A.1 HABITAT ASSESSMENT AND EVALUATION

1. Date of Assessment: JUNE 9, 2023
2. Location: CARANJAYS OF BAUTE AND PACHOCH, CALAPAN CITY, ORIENTAL MINDORO
3. GPS Coordinates: 13°24'52.20" N, 121°9'37.08" E (BAYVIEW MARINE SITE) BAUTE - DOCUMENTED MARINE TURTLE
4. Description of Sand: ( ) black/gray ( ) white ( ☒ ) mixed ( ) others  
( ☒ ) fine ( ) coarse ( ) with coral rubble ( ) mixed with soil  
Other findings: \_\_\_\_\_

5. Beach Vegetation (list species in table below):

<u>TAUSAG</u>	
<u>COCONUT</u>	
<u>AROMA</u>	

6. Beach Measurements:

Details	Measurement (meters)	GPS Coordinates
Beach length* (measure perpendicular length of marine turtle nest to the highest tide mark)	<u>3.00</u>	<u>13°24'52.20" N</u> <u>121°9'37.08" E</u>
Beach width (measure parallel length of beach on two points, noting only areas as possible nesting ground)	<u>077.42</u>	<u>13°24'52.20" N</u> <u>121°9'37.08" E</u>

\* NOTE: Add more rows if more than one nest was reported along same beach

7. Nesting Abundance: ONE (1)
  8. Marine turtle tracks seen during visit: ( ) yes ( ☒ ) no
  9. Number of complete track/s (tracks coming up the beach & going down): NONE
  10. Number of incomplete track/s (tracks either coming up the beach only or going down only): NONE
  11. Marine turtle track details: Outer track width (cm): NONE  
Inner track width (cm): NONE
  12. Marine turtle nest/s seen during visit: ( ☒ ) yes ( ) no  
If yes, number of active nest/s: 0 number of inactive/old nest/s: ONE (1)
  13. With signs of predation: ( ) yes ( ☒ ) no  
If yes, identification of possible predator: REMARKS: DOGS FROM CENSTAL COMMUNITIES ARE PRESENT WHICH CAN BE PREDATORS TO HATCHLINGS
  14. Marine turtle hatchling tracks seen during visit: ( ) yes ( ☒ ) none
  15. Marine turtle eggs seen: ( ) yes ( ) yes, but no signs of development ( ☒ ) none
  16. Marine turtle egg shells seen: ( ) yes ( ☒ ) none  
disturbed community,
- Other Observations during visit:  
TRENTS: TOURISTS, UNWANTED, BOAT DOCK AREA, POSSIBLE PREDATION FROM DOGS, OIL SPILL,  
CLIMATE CHANGE, GLOBAL WARMING, SEA LEVEL RISE

Mackale P. Martinez  
FORESTER,  
DEAR-CENRO SOCORRO, OR. MIN.





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



MAP SHOWING THE MONITORING OF MARINE TURTLE NESTING SITE IN THE BARANGAYS OF BALITE AND PACHOCA, CALAPAN CITY, ORIENTAL MINDORO

**LEGEND:**

- Tracking
- Distance Monitored (877.62 m)

**DISCLAIMER:** Map is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Administrative and political boundaries shown herein does not define authority, and for reference purposes only.

**REFERENCE:** Google Earth, NAMRIA and DENR-CENRO Socorro, Oriental Mindoro

Prepared by:

Reviewed by:

*Mackale P. Martinez*  
MACKALEY P. MARTINEZ  
Forester I

*Emily C. Aguilon*  
EMILY C. AGUILON  
Forester III/ Chief, CDS



Noted by:

*Rodel M. Boyles*  
RODEL M. BOYLES  
CENR Officer





DISTRIBUTION OF INFORMATION, EDUCATION AND COMMUNICATION (IEC) CAMPAIGN MATERIALS

NO.	NAME	AGE	SEX	OFFICE	POSITION/ DESIGNATION	CONTACT NUMBER	SIGNATURE	QUANTITY
1	Angelica C. Robertson	52	F	Brgy. Davao - LGU	Brgy. Councilor	0952-124-2064		15
2	Frediz Alas	33	M	Brgy. Balite	Brgy. Tanod	09363151051		15
3								
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# ANNEX A.1 HABITAT ASSESSMENT AND EVALUATION

1. Date of Assessment: JUNE 14, 2023
2. Location: BRANNAV NAYOTS, CAMPAN CITY, ORIENTAL MINDORO
3. GPS Coordinates: 13°22'29"N, 121°15'2"E
4. Description of Sand: ( ) black/gray ( ) white ( ☒ ) mixed ( ) others \_\_\_\_\_  
 ( ☒ ) fine ( ) coarse ( ) with coral rubble ( ) mixed with soil  
 Other findings: NONE

5. Beach Vegetation (list species in table below):

TRUSAY	AROMA
COCOWIT	API-API
BOFOWIT	PITPI
RAIN TREE	SASA
BAKMAN	

6. Beach Measurements:

Details	Measurement (meters)	GPS Coordinates
Beach length* (measure perpendicular length of marine turtle nest to the highest tide mark)	9.00	13°22'29"N 121°15'2"E
Beach width (measure parallel length of beach on two points, noting only areas as possible nesting ground)	1.919.13	13°22'29"N 121°15'2"E

\* NOTE: Add more rows if more than one nest was reported along same beach

7. Nesting Abundance: ONE (1)
8. Marine turtle tracks seen during visit: ( ) yes ( ☒ ) no
9. Number of complete track/s (tracks coming up the beach & going down): NONE
10. Number of incomplete track/s (tracks either coming up the beach only or going down only): NONE
11. Marine turtle track details: Outer track width (cm): NONE  
 Inner track width (cm): NONE
12. Marine turtle nest/s seen during visit: ( ☒ ) yes ( ) no  
 If yes, number of active nest/s: 0 number of inactive/old nest/s: ONE (1)
13. With signs of predation: ( ) yes ( ☒ ) no  
 If yes, identification of possible predator: REMARKS: DOGS OF COASTAL COMMUNITIES ARE PRESENT WHICH CAN BE PREDATORS TO HATCHLINGS
14. Marine turtle hatchling tracks seen during visit: ( ) yes ( ☒ ) none
15. Marine turtle eggs seen: ( ) yes ( ) yes, but no signs of development ( ☒ ) none
16. Marine turtle egg shells seen: ( ) yes ( ☒ ) none

Other Observations during visit:

THREATS: COASTAL COMMUNITIES, GARBAGE, PREDATION FROM DOGS, CLIMATE CHANGE, BONT DOCK AREA, OIL SPILL, BROWN WARMING, SEA LEVEL RISE

*Marked*  
 MADELEY F. MARTINE  
 FORESTER I  
 DENR-CENRO SOCORRO, OR. MIN.





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



MAP SHOWING THE MONITORING OF MARINE TURTLE NESTING SITE IN BARANGAY NAVOTAS, CALAPAN CITY, ORIENTAL MINDORO

**LEGEND:**

- Tracking
- Distance Monitored (1,419.13 m)

**DISCLAIMER:** Map is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Administrative and political boundaries shown herein does not define authority, and for reference purposes only.

**REFERENCE:** Google Earth, NAMRIA and DENR-CENRO Socorro, Oriental Mindoro

Prepared by:

Reviewed by:

*[Signature]*  
 MACRALEY P. MARTINEZ  
 Forester I

*[Signature]*  
 EMILY G. AGUILON  
 Forester III/ Chief, CDS

Noted by:

*[Signature]*  
 RODEL M. BOYLES  
 CENR Officer



## MT06 MARINE TURTLE NEST EVALUATION FORM

Island/ Location of Nest CARABAY ESTRELLA, NAMUAN, ORIENTAL MINDORO(CS) Clutch Size If Known NOT KNOWN / MEASUREDNew Location NOT TRANSPLANTEDNumber of Eggs Transplanted NOT TRANSPLANTED / NEST NOT SEEN / DOCUMENTED BY RESIDENTS / BERN OFFICIALSDate Transplanted NOT TRANSPLANTED

Date of Emergence	Time of Emergence	No. of Hatchlings Emerged	Collected/ Recorded by
JANUARY 30, 2023	1:00 AM (ESTIMATE)	97	MACKALEY P. MARTINEZ
	(BASED ON PICTURES)		
	SHARED BY KEY		
	INFORMANT)		
(E) Total hatchlings emerged			97

## Classification of nest contents

EGGS: (S) No. of eggshells hatched (NEST NOT SEEN / DOCUMENTED BY RESIDENTS / LRU)  
 (UHT) Unhatched full embryo "  
 (UH) Unhatched fertile eggs "  
 (LPE) Live pipped eggs "  
 (DPE) Dead pipped eggs "  
 (UD) Eggs without visible development "  
 (P) Predated "  
 HATCHLINGS: (DIN) Hatchlings dead in nest "  
 (LIN) Hatchlings live in nest 97  
 \*note for hatchlings with deformities

(CS) Estimated clutch size if unknown NOT KNOWN (NEST NOT SEEN / DOCUMENTED)Hatching success (%) "Emergence success (%) "Mortality (%) "Incubation period (days) NESTING NOT DOCUMENTEDDate Excavated JANUARY 30, 2023 (EMERGENCE)

Certified correct:

Signature Mackale P. MartinezPrinted Name MACKALEY P. MARTINEZ, FORESTER I OF CENTRO SOCORRO, ORIENTAL MINDORODate JUNE 14, 2023





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



MAP SHOWING THE MONITORING OF MARINE TURTLE NESTING SITES WITHIN THE AREA OF RESPONSIBILITY (AOR) OF CENRO SOCORRO, ORIENTAL MINDORO FOR THE 2ND QUARTER OF CY 2023

**LEGEND:**

- Marine Turtle Nesting Sites
- Monitoring of Marine Turtle Nesting Site
- Validation on Emergence of Hatchlings
- DENR-PENRO Oriental Mindoro
- DENR-CENRO Socorro, Oriental Mindoro
- City/ Municipal Boundary

**DISCLAIMER:** Map is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Administrative and political boundaries shown herein does not define authority, and for reference purposes only.

**REFERENCE:** Google Earth, NAMRIA and DENR-CENRO Socorro, Oriental Mindoro

Prepared by:

Reviewed by:

*Mackaleyz P. Martinez*  
**MACKALEYZ P. MARTINEZ**  
Forester I

*Emilia G. Aguilon*  
**EMILIA G. AGUILON**  
Forester III/ Chief, CDS

Noted by:

*Rodul M. Boyles*  
**RODUL M. BOYLES**  
CENR Officer