



Republic of the Philippines

Department of Environment and Natural Resources

BIODIVERSITY MANAGEMENT BUREAU

Ninoy Aquino Parks and Wildlife Center

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MEMORANDUM

FOR : The Undersecretary for Legal, Policy, Planning and International Affairs

ATTN : The Assistant Secretary for Policy and Planning Service

The Director, Policy and Planning Service

The Chief, Program Monitoring and Evaluation Division

FROM : The OIC, Assistant Secretary for Climate Change and Director, in concurrent capacity

SUBJECT : **SUBMISSION OF CY 2019 ANNUAL REPORT**

We are pleased to submit the Biodiversity Management Bureau Annual Report for CY 2019.

For your information and record.


RICARDO L. CALDERON, CESO III

Republic of the Philippines
Department of Environment and Natural Resources
BIODIVERSITY MANAGEMENT BUREAU



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**Department of Environment and Natural Resources
BIODIVERSITY MANAGEMENT BUREAU**

CY 2019 Annual Report

I. EXECUTIVE SUMMARY

The Biodiversity Management Bureau (BMB), as one of the staff Bureaus of the Department of Environment and Natural Resources (DENR) and the lead agency tasked to conserve biodiversity, is mandated to protect the country's biological diversity and to properly manage and conserve its resources, as well as, the ecosystem services they provide. The Bureau continuously implemented activities based on its three (3) major programs, namely: (1) Protected Area and Ecosystems Management and Protection; (2) Wildlife Protection and Conservation; and, (3) Coastal and Marine Biodiversity Conservation.

Republic Act No. 11260, otherwise known as the General Appropriations Act of 2019, Section 43, respectively, provides for protection of biodiversity which states that: "All government agencies, offices and local government units shall ensure that protection of biological diversity is integrated and mainstreamed into their development programs and projects".

Several policies and specific activities supporting the protection and conservation of Protected Areas, critical habitats, wildlife, caves, wetlands, and coastal and marine areas were developed and accomplished. For CY 2019, the Bureau was able to prepare/draft a total of 13 targeted policies of these, four (4) targeted policies were approved and nine (9) targeted policies were endorsed for approval. Aside from these targeted policies, the Bureau was also

able to prepare/ draft 13 additional policies which are not originally targeted for 2019. Among these four (4) were approved and nine (9) are awaiting approval.

In Protected Area Management, the Bureau continues to implement the NIPAS act, as amended. Series of policy roll-outs were conducted to strengthen and capacitate regional and field offices in the implementation of ENIPAS.

For Cave Management Program, to date, out of 3,140 caves identified, 1199 caves were assessed, 616 were caves classified and 209 with cave management plans. On the other hand, for wetland conservation, to date, out of 38 inland wetlands sites identified, about 81 inland wetlands were assessed and 32 have wetland management plans.

Pursuant to RA 9147 otherwise known as the Wildlife Act, the Bureau continuously implements program on the conservation and protection of wildlife species. The focuses on the protection of threatened species such as Philippine Eagle (*Pithecophaga jefferyi*), marine turtles, Philippine Cockatoo (*Cacatua haematuropygia*) and tamaraw (*Bubalus mindorensis*). On Wildlife Law Enforcement, the Bureau continues its fight against illegal wildlife trade and conducted 60 cyber surveillance monitoring, 15 foot-surveillances leading to 14 actual law enforcement operations against violators on which confiscation were made.

Coastal and Marine Ecosystems Management aims to comprehensively manage, address and effectively reduce the drivers and threats of degradation of the coastal and marine ecosystems in order to achieve and promote sustainability of ecosystems services, food security and climate change resiliency for the benefit of the present and future generation. The Bureau, together with DENR Regional Offices were able to protect and manage a total of 2,731,186.81 hectares of coastal and marine ecosystems under NIPAS

marine and protected areas and other priority coastal and marine conservation areas. The Bureau also provided support to Philippine Rise Marine Resource Reserve, West Philippine Sea, Snake Island, Sulu Sulawesi Seascape, and Turtle Islands Heritage Protected Area. The Bureau also strengthening its alliance with BFAR through series of consultation to finalize the Operationalization of BFAR-BMB Convergence. The Bureau also provided assistance to the People's Organization through the Biodiversity Friendly Enterprise Development. The Bureau also gave awards and recognitions to the five outstanding NIPAS Marine Protected Areas.

The Bureau was able to accomplish targeted activities through the: conduct of regular management meetings and/or discussions to monitor the Bureau's performance; continuous communication with DENR Field Offices and other stakeholders; and, capacitation of BMB personnel in order to enhance and/or gain new knowledge and skills.

For CY 2019, the Biodiversity Management Bureau was able to achieve a Budget Utilization Rate (BUR) 99.28% for Obligations and 74.62% for Disbursements.

II. ACCOMPLISHMENTS

Hereunder are the major accomplishments of the Biodiversity Management Bureau for CY 2019

1. Policies approved and implemented

For CY 2019, the Bureau was able to prepare/draft a total of 13 targeted policies of these, four (4) targeted policies were approved and nine (9) targeted policies were endorsed for approval.

Specifically, the approved policies included in the targets for CY 2019 are:

- DENR Administrative Order
 1. DENR AO 2019-05 re: Implementing Rules and Regulations of Republic Act NO. 7586, or the National Integrated Protected Areas System (NIPAS) Act of 1992, as Amended by Republic Act No. 11038, or the Expanded National Integrated Protected Areas System (ENIPAS) Act of 2018
 - approved by the DENR Secretary last 30 May 2019
- BMB Technical Bulletin
 2. BMB TB 2019-03 re: General Considerations for Coral Reef Ecosystems Restoration/Rehabilitation
 - approved by the Director last 07 October 2019
 3. BMB TB 2019-04 re: Technical Guide on Biodiversity Assessment and Monitoring System for Coastal and Marine Ecosystem
 - approved by the Director last 08 October 2019
 4. BMB TB 2019-06 re: Inland Wetlands and Terrestrial Caves: Technical Guide on Biodiversity Assessment and Monitoring System (BAMS)
 - approved by the Director last 16 October 2019

The endorsed policies awaiting approval, which are included in the CY 2019 targets are:

➤ Executive Order

5. Executive Order on the National Policy on Wetland Conservation and Management

- endorsed for approval of the Secretary last 01 July 2019

➤ DENR Administrative Order

6. DAO on the Adoption of Wildlife Law Enforcement Action Plan (WildLEAP)

- endorsed for approval of the Secretary last 20 February 2019

7. DAO on the Guidelines on the Recognition of Biodiversity-Friendly Enterprises (BDFE)

- endorsed for approval of the Secretary last 20 August 2019

8. DAO on the Guidelines in the Sustainable Management of Peatlands site/s

- endorsed for approval of the Secretary last 14 October 2019

9. DAO on the Guidelines for the Implementation of the Cave Management Protection and Conservation Program (CMPCP)

- endorsed for approval of the Secretary last 14 October 2019

➤ DENR Memorandum Circular

10. DMC on the List of Classified Caves (2019)

- endorsed for the approval of Secretary last 2 August 2019

➤ BMB Technical Bulletins

11. Guide on selecting caves used for capacity-building events/activities

- endorsed to BMB TRC last 21 June 2019

12. Manual on Urban Biodiversity Inventory and Assessment

- endorsed to BMB TRC last 16 March 2019

13. Vulnerability Assessment

- endorsed to BMB TRC last 10 April 2019

Aside from these targeted policies, the Bureau was also able to prepare/draft 13 additional policies which are not originally targeted for 2019. Among these four (4) were approved and nine (9) are awaiting approval.

The approved policies which are not targeted for CY 2019 are:

➤ DENR Administrative Order

1. DAO 2019-09 re; Updating National Threatened Philippine Fauna and their categories

- approved by the DENR Secretary last 12 July 2019

➤ BMB Technical Bulletin

2. BMB TB 2019-01 re: Clarifying the Guidelines and Procedures in the Demarcation of Boundaries of Legislated Protected Areas under the National Integrated Protected Areas System (NIPAS)

- approved by the Director last 15 July 2019

3. BMB TB 2019-02 re: Adopting the Manual on the Establishment and Management of the Integrated Protected Area Fun (IPAF)
 - approved by the Director last 18 July 2019
4. BMB TB 2019-05 re; Adopting the Department of Environment and Natural Resources-Biodiversity Management Bureau Logo and Brand Book
 - approved by the Director last 09 October 2019

Furthermore, the endorsed policies which are not targeted for CY 2019 are:

5. DAO on the Establishing the Tamaraw Conservation Research Center in Mts. Iglit Baco Natural Park
 - endorsed to the PTWG last September 2019
6. JAO on the Establishment and Management of Marine Protected Area Network/s
 - Endorsed to the PTWG last 30 October 2019

Moreover, the Bureau drafted the following policies which are not part of the CY 2019 targets are;

7. Draft DAO on the Adoption of the National Protected Areas System Master Plan 2018-2028
8. Draft DMC on the Guidelines for the Conduct of Inland Wetlands Inventory, Profiling and Mapping
9. Draft Technical Bulletin on the Use and Adoption of Procedural Guidelines for Mainstreaming Biodiversity in Comprehensive Land Use Plan

10. Draft Technical Bulletin on Adoption on BMB Communication, Education and Public Awareness (CEPA) Manual
11. Draft Technical Bulletin on Knowledge, Attitude and Practices (KAP) Survey Tool for Biodiversity
12. Draft Technical Bulletin on Managing Human Crocodile Conflict
13. Draft Technical Bulletin on List of Seagrass beds, Tidal Flats, Beaches and Rocky Shores in KBAs classified as ECA for the purpose of Philippine Environmental Impact Statement Systems

Partnership agreements through MOAs/MOUs were also prepared, as follows:

1. MOA between DENR and Wildlife Reserve Singapore regarding the “Loaned Pair of Philippine Eagle”
2. MOA between DENR and UP Diliman Institute of Biology regarding “Reintroduction of the Philippine Eagle in Leyte: Ensuring the Survival of the King of the Birds”
3. MOA between DENR-LAMAVE-MWWP regarding “Marine Wildlife Conservation”
4. MOA between DENR-KATALA regarding “Philippine Cockatoo Conservation Program”

Lastly, draft policies, proposals, bills and resolutions were also reviewed, to wit: 65 policies/regulations; 34 research/project proposals; 31 Bills (HB and SB)

2. Major Programs and Projects Implemented

2.1. Protected Area Management

In line with the implementation of the NIPAS Act, as amended by RA 11038, the Bureau reviewed and provided comments and recommendations to reports submitted by the Protected Areas through DENR Regional Offices.

The Bureau was able to review the Protected Area Suitability Assessment reports of Proposed Mt. Gutom Protected Landscape, Mt. Pantaron Range Natural Park, Magapit PL, Proposed Bacolod-Kauswagan PLS and Paoay Lake National Park in support to NIPAS establishment or declaration or disestablishment.

In connection with PAMB Operationalization, the Bureau were able to review 365 PAMB resolutions and 89 Minutes of the Meeting. The Bureau also reviewed/endorsed the PAMB appointments to the Secretary of the Mt. Data NP, Paoay Lake NP, Bessang Pass NML, Kalbario-Patapat NP, Naguillian WFR and Mabini PLS.

On IPAF Establishment and Operation, the Bureau was able to review 54 collection and utilization reports and Special Budget Request from Mt. Calavite WS, Mt. Apo Natural Park, Mt. Kitanglad Range NP, Mt. Hamiguitan Range WS and Mt. Kanlaon NP.

Ten (10) PA Management Plans, including the management zone delineation reports were also reviewed for the preparation or updating of PA Management Plans.

The Bureau also reviewed/acted and endorsed to the Secretary the following Tenure Instruments within PAs to wit: 61 PACRBRMA Applications and 16 MOA/SAPA proposals.

Under Survey and Registration of Protected Area Occupants and/or Socio-Economic Assessment Monitoring, the Bureau was able to evaluate 21 reports. Also, 121 Biodiversity Monitoring System (BMS) reports submitted by the Regional Offices were reviewed. Furthermore, 33 Biodiversity Assessment and Monitoring System were evaluated.

Our protected areas provide the natural resource base for ecotourism in the country. As of 2019, 104 PAs have been developed for ecotourism and are regularly maintained. As an outcome of promoting ecotourism in the country, an increase in the number of visitors in protected areas were observed, these resulted in the increase in generated income utilized for the improvement of our protected areas. Under Ecotourism Development, the Bureau participated in five (5) Ecotourism TWG and (1) National Ecotourism Steering Committee meeting and conducted monitoring in three (3) ecotourism sites, as well as, NIPAS implementation in 32 protected areas.



With the enactment of ENIPAS act, the Bureau conducted series of ENIPAS Roll-outs: a) 22-27 July 2019 b) 5-10 August 2019 c) 25-28 September 2019 d) 4-9 November 2019 e) 18-23 November 2019. Protected Area Superintendent (PASu) Management Conference was conducted last 1-4 July 2019. To lobby the technical and financial needs of the legislated protected areas, a Legislator forum was held last 10 September 2019. This resulted to the additional 500 million funds to support the Protected Area Investment Program

The Bureau also conducted several IPAF coaching and mentoring: a) DENR 4A on 29 April- 01 May 2019; b) DENR Region 8 on 04-05 June 2019; c) DENR Region 7 on 12-16 August 2019; d) DENR Region 12 on 25-28 September 2019; e) DENR Region 3 on October 2019; f) DENR Region 11 on 24-27 November 2019; g) DENR 4B on 28-29 November 2019.



To further capacitate BMB and Field staff in the implementation of NIPAS following trainings were conducted; a) Trainors' Training on Biodiversity Assessment and Monitoring (BAMS) last 14-23 January 2019; b) Training on the Operation and Management of Unmanned Aerial Vehicles last 01 March 2019; and c) Workshop on the Demarcation of Boundaries of National Parks and PAs under the NIPAS held last 7-10 May 2019.

The BMB and FMB also conducted a Harmonization Workshop on Production and Protection Forest and Protected Area last 05-06 March 2019.

2.2. Cave Management Program

Pursuant to RA 9072 or the National Caves and Cave Resources Management Act and RA 9147 or the Wildlife Resources Conservation and Protection Act, the country's cave were also managed and protected. To date, out of 3,140 caves identified, 1199 caves were assessed, 616 were caves classified and 209 with cave management plans.

The Bureau continues monitoring of the priority caves within PAs and targeted under Philippine Development Plan (PDP). Kaping Cave,

Lawigue Dry Cave 1, Lawigue Dry Cave 2, Sungwan Cave of Region IV-A, Silop Cave, Punta Diwata Cave, Ugnop Cave, Putting Buhangin Cave of Region XIII and Balite Cave inside Minalungao National Park were monitored.

The Bureau also received, reviewed and evaluated 68 of Cave Management Plans and Cave Assessment reports with complete recommendations forwarded to concerned regions were also accomplished.

The Bureau conducted a consultation workshop on the guidelines for the Implementation of the Cave Management Protection and Conservation Program last 03-04 April 2019.



The Bureau continues to strengthen the capacity of personnel in conducting cave activities. Learning Events on Single-Rope Technique for Caving last 27-31 May 2019 and 12-17 August 2019. A demonstration/orientation on the application of Single-Rope Technique in Caving in relation to Disaster Risk Reduction and Cave Rescue Technique was conducted last 31 July 2019. The training aimed to capacitate field officers on rope techniques useful in challenging situations that may be encountered in a vertical cave, and to enhance knowledge on cave safety and ethics.

2.3. Wetlands Management Program

Pursuant to the Updated National Wetlands Action Plan for the Philippines and RA 9147 or the Wildlife Resources Conservation and Protection Act, the country's wetlands were also protected and managed. To date, out of 38 inland wetlands sites identified, about 81 inland wetlands were assessed and 32 have wetland management plans.

The Bureau continues to monitor the priority wetlands within PAs and under PDP target. Lalaguna Marsh, Dagatan Lake, Taal Volcano PL and Sampaloc Lake was monitored last 07 June 2019.

The Bureau also received, reviewed and evaluated reports regarding 41 wetlands assessment report and wetland management plans from the Regional Offices. The Bureau also provided comments and recommendations on the watershed and characterization and management reports and plans of Makar Watershed, Little and Big Lun, Baganga River, Munurigao River and Dumagook Watershed. The Bureau also reviewed the implementation plan of Lake Manguao, Municipal Conservation Area and Ecotourism Zone in Taytay, Palawan, Tinagong Dagat and Romblon and Kisloyan Peatland in Oriental Mindoro.

The Bureau provided assistance in Boracay Rehabilitation. A Turn-over and Planning Workshop for the Rehabilitation of Wetlands of Boracay Island on 29-30 April – 1 May 2019 at Casa Pilar, Boracay. Also, the Bureau participated in the monitoring of Boracay Wetlands last 11-12 October 2019 in Boracay Island, Malay, Aklan.



The Bureau conducted the 4th National Inland Wetlands Technical Working Group meeting last 11-12 October 2019, the 3rd Ramsar Sites' Managers Meeting in Zamboanga Sibugay last 26-29 November 2019 and a Refresher Course on Waterbird Identification and Counting on 05-07 November 2019.

The Bureau also conducted an orientation on the Enhanced Cave Assessment and Inland Wetland Profiling/Assessment Forms last 03-04 April 2019.

2.4. Urban Biodiversity Conservation and Management Program

The Bureau pilot tested the draft manual on urban biodiversity assessment of identified selected site to wit: Caloocan City, Manila, Quezon City, Cebu City and Davao City. The result of the assessment conducted in Cleanergy Park, Davao was transmitted to the Bureau.

2.5. Wildlife Resources Conservation Program

2.5.1. Threatened Species Conservation and Management Program

The Bureau continuously implemented and monitored programs that focus on the conservation of threatened wildlife species such as:

2.5.1.1. Philippine Raptor Conservation

The Bureau receives and evaluated 48 reports regarding the monitoring of Philippine Raptors. For CY 2019, 20 individual sightings of Philippine Eagle were reported by the Regional Eagle Watch Teams (REWTS).

The Bureau conducted a Philippine Eagle monitoring in Brgy. Eva Garden, Calanasan on 13-16 August 2019.

To increase awareness regarding Philippine Raptors Conservation and Protection, the Bureau hosted art workshops, interactive IECs and Film showing of “Bird of Prey” in coordination with Philippine Eagle Foundation last 3-12 June 2019.

2.5.1.2. Marine Turtle Conservation

The Bureau receives and evaluated 13 reports regarding marine turtles. Field reports on nesting sites in Mindoro, Palawan, Zambales, Sarangani Bay, Masbate and San Juan, Batangas were also reviewed.

2.5.1.3. Tamaraw Conservation

The Annual Tamaraw Population Count was conducted last 1-8 April 2019. Two (2) methods were used this year, to wit: Intensive Concentration Counts (ICC) or Simultaneous Multi-Vantage Point Count (SMPC) and Double Observer Method. The 5-day counting was followed by a one-day consolidation workshop held on 8 April 2019.

An estimated population of four hundred eighty (480) with 3% margin of error having a range of 466-494 Tamaraw individuals were recorded during the annual counting displaying an 8% decrease from last year's count to minimize the double/multiple counts.

2.5.2. Asian Waterbird Census (AWC)

The Bureau reviewed 18 Regional AWC reports. For CY 2019, 286 migratory bird sites were monitored. The National AWC report was submitted to Regional Coordinator last June 2019.

The Bureau also conducted an AWC Coordinators meeting cum workshop last 2-4 December 2019 held at Hop Inn Hotel, Tomas Morato, Quezon City.

2.5.3. Establishment and Management of Critical Habitats

For Critical Habitat (CH) Management, the Bureau reviewed ten (10) proposals of the following CH for establishment: 1) Sasmuan Bangkung Malapad CH and Ecotourism Area; 2) Caojagan,

Northern Samar; 3) Homonhon Island; 4) Bonbon Island for Marine Turtles, San Agustin, Surigao del Sur; 5) Imelda CH for Flying foxes at Tubajon, Province of Dinagat Islands; 6) Carmen CH for Marine Turtle at Lanuza, Surigao del Sur; 7) Doot Pokyot CH for Marine Turtle at Lanuza, Surigao del Sur; 8) Guibonon Critical Habitat for Flying foxes and Philippine Eagle at Esperanza, Agusan del Sur; 9) Cantugas CH for Rafflesia mixta in Cantugas, Mainit, Surigao del Sur and 10) Nopol Hills.

The Bureau also reviewed the Critical Habita Management Plan for Philippine Crocodile in Brgy. Kuyapon, Kabacan, North Cotabato.

The Bureau also conducted monitoring of the established CH, to wit: Cabusao CH, Carmen CH, Adams CH and Malasi Tree Park and Wildlife Sanctuary.

2.5.4. National Wildlife Rescue and Research Center

The National Wildlife Rescue and Rehabilitation Center (NWRCC) inside the NAPWC, serves as a temporary refuge and rehabilitation facility for confiscated, turned-over, donated and/or abandoned wildlife.



The NWRCC was able to maintain and care for 1147 confiscated, donated and rescued wild animals, broken down as follows: 36 arthropods, 186 mammals, 453 birds and 472 reptiles.

Guide tours and orientations of the mini-zoo and the NWRCC are being done regularly. Cognizant with the aim to improve the facilities within the NWRCC, 91 fixed cages, 172 Movable cages and 2 building boxed animals for snakes and small reptiles are continuously being maintained daily.

2.5.5. Wildlife Disposition

The BMB Wildlife Disposition Committee organized a meeting last 5 November 2019. The Bureau assessed Bataan Natural Park and Aurora Memorial National Park as released site for wildlife. A total of 154 rehabilitated animals were released to their natural habitat.

2.5.6. Wildlife Trade Regulation

For CY 2019, the Bureau was able to process and issue a total of 1081 CITES Permits (export=708; re-export=31, import=342) generating a total income of Php 3,607,755.50

For the conduct of researches on wildlife, 18 Gratuitous Permits were prepared and process

On monitoring of wildlife farms commercially-breeding CITES-listed Species for international trade, a total of 12 farms have been monitored

The databases on CWR, WFP, Importation Report, CITES Permits issued and Regional WRC were updated based on the reports received from the Regional Offices and CITES Permits issued by the Bureau

2.5.7. Wildlife Law Enforcement

Continuing its fight against illegal wildlife trade, the Bureau conducted 60 cyber surveillance monitoring, 15 foot-surveillances leading to 14 actual law enforcement operations against violators on which confiscation were made. During these operations, around 3,091 wildlife species and 15.6 kg of wildlife derivatives were confiscated.



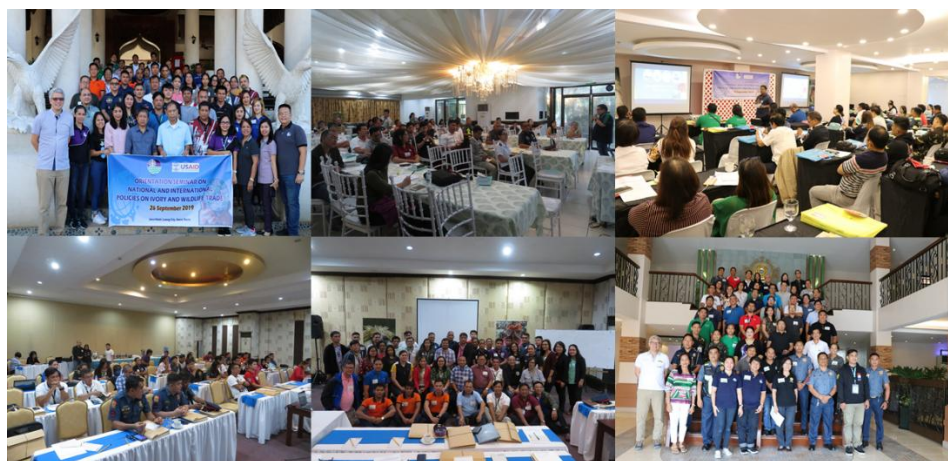
2.5.8. Capacity Building on Wildlife

The Bureau conducted several trainings to strengthen the capacity of Wildlife Law Enforcers in the field.

The Bureau continues the conduct of Wildlife Conservation and Management Species Identification and Management Techniques Sessions on Insect and Plants last 18-30 March 2019 and 15-30 May 2019, respectively.



The Bureau also conducted the Conference on Wildlife Forensics with Tanggol Kalikasan last 16-18 July 2019, the Ninth Training of Trainers (TOT9) on Wildlife Law Enforcement last 30 June-5 July 2019, the Training on Identification of Wildlife Products and Derivatives (Focusing on Reptile Skins) and Techniques on Monitoring of Breeding Facilities last 03-06 December 2019 and the Trainers of Trainers for Regional Training Pools last 09-11 December 2019.



The Bureau also trained public and private officials and staff of various air and seaports in the Philippines of the national and international policies governing ivory and illegal wildlife trade in four (4) airports, to wit: 1) Subic Airport and Seaport last 15 August 2019; 2) Dalahican Seaport last 19 September 2019; 3) Laoag Airport last 26 September 2019; and 4) Bohol Airport and Seaport last 23 October 2019.

2.6. Management of Coastal and Marine Resources

2.6.1. Coastal and Marine Ecosystem Management

The CMEMP is a national program which aims to comprehensively manage, address and effectively reduce the drivers and threats of degradation of the coastal and marine ecosystems in order to achieve and promote sustainability of ecosystem services, food security and climate change resiliency for the benefit of the present and future generations.

The Bureau, together with DENR Regional Offices were able to protect and manage a total of 2,731,186.81 hectares of coastal

and marine ecosystems under NIPAS marine and protected areas and other priority coastal and marine conservation areas.

In support to the Regional Implementation of CMEMP, the Bureau conducted four (4) Hands-on ARMS Outreach Program in Bohol last 13-15 June 2019, Batangas last 13-15 June 2019, Palawan last 01-03 July 2019 and Siquijor last 10-12 July 2019.

The Bureau also supported the initiatives in the Philippine Rise/West Philippine Sea. The Bureau attended the Philippine Rise Marine Resource Reserve (PRMRR) interim Protected Area Management Board Meeting last August 2019. The Bureau also took part in the management planning and consultation workshops and/or Technical Working Group. Preparatory meetings were held last 27 February 2019 and 22 and 26 March 2019. In line with this, the Bureau participated in the BFAR Special Fisheries Management Area Planning Workshop last 19-21 March 2019, and in FGD and workshops for PMRR on Non-fisheries (Mineral and Energy) Resources and on Enforcement and Security last 16 April 2019 and 29 April 2019, respectively. To finalize the Plan, the Bureau conducted PRMRR Management Plan Finalization and Consolidation Workshop last 25 June 2019, PRMRR Management Plan Writeshop last 26 July 2019 and PH Rise Strategic Planning Workshop last 27-29 November 2019.

The Bureau also took part in the scientific expedition on West Philippine Sea: “PROTECT WPS: Predicting Responses between Ocean Transport and Ecological Connectivity of Threatened ecosystems in the West Philippine Sea”. The expedition happened last 21 April to 06 May 2019.



The Bureau also providing support to the Operationalization of Snake Island as National Coastal and Marine Center for Research. Last 05 September 2019, partners and stakeholders of Snake Island in Honda Bay, Palawan gathered for the launching of its 5-year Operational Plan. The operational plan provides the framework in implementing the Snake Island National Coastal and Marine Center for Research (NCMRC). With this, Snake Island will set the highest standard in the field of marine research and development, preserving the country's ecological integrity for the current and future generations.



To strengthen the maintenance and protection of our coastal and marine area, the Bureau continues to further its convergence with BFAR. An operational plan is being finalized. The Bureau conducted a BMB-BFAR Convergence meeting last 27-28 June 2019.

The Bureau provided assistance to the IAMBlueCECAM Program. The Bureau sponsored the 15th National Symposium on Marine Science (PAMS 15) on 4-6 July 2019. The Bureau also conducted the Training Course on Blue Carbon for Policy Makers in the Philippines last 29-31 May 2019 and Blue Carbon Citizen Workshop last 24-26 October 2019. The Bureau also held three (3) cluster trainings on Blue Carbon Data Collection, Analysis and Application, to wit: 1) Mindanao Cluster last 24-26 July 2019; 2) Visayas Cluster last 29-31 July 2019 and 3) Luzon Cluster last 24-26 August 2019.

2.6.2. Integrated Coastal and Marine Partnership

Executive Order No. 533 entitled, “Adopting the Integrated Coastal Management (ICM) Strategy to ensure the sustainable development of the country’s coastal and marine environment and resources and establishing supporting mechanism.

The Bureau embraces the Green Fins approach. Green Fins is a proven conservation management approach which leads to a measurable reduction in negative environmental impacts associated with diving and snorkeling. The Green Fins initiative aims to protect and conserve coral reefs through environmentally friendly guidelines that promote a sustainable diving and snorkeling industry. The Bureau conducted the Strategic Action Planning Workshop on Green Fins Implementation in Pilot Sites last 15-17 May 2019 and Green Fins Conference last 20-24 November 2019.



The Bureau implements the Biodiversity-friendly enterprises. BDFE Monitoring Activities last conducted last 06-11 June 2019 in Tacloban City, 10-14 June 2019 in Cebu and Zamboanga, 17-21 June 2019 in Bicol, 09-11 July 2019 in Zambales, 15-19 July 2019 in Region 1, 22-26 July 2019 in General Santos City, 22-27 July 2019 in Region 13 and 05-09 in Mt. Kitanglad Range NP.

Financial assistances were downloaded to the following PAs: a) Biri Larosa PLS (Php 1,802,100.00); b) Guiuan Marine Reserve PLS (Php 1,085,500.00) and c) Sarangani Bay PS (Php 838,400.00).

The Bureau monitored the implementation of activities indicated in the MTPAN MOA of Sulu Sulawesi Seascape. The Bureau conducted validation, habitat assessment and CEPA on marine turtle conservation in Cuyo, Palawan last 26-31 June 2019.

The Bureau also supported the activities in Turtle Islands Heritage Protected Area (TIHPA). The Bureau participated in the 1st TIWS PAMB meeting last 15 June 2019 and in the orientation on PA Management last 02-06 July 2019.

The Bureau actively participated in the Battle for Manila Bay. The Manila Bay Clean Up Program aims to restore the water quality of Manila bay in accordance with the Writ of Continuing Mandamus of the Supreme Court. The Bureau participated and held a series of coastal clean ups (Solidarity walk and clean-up in Baywalk and Estero de San Antonio last 27 January 2019; Battle for Rivers and Esteros and simultaneous clean-up last 31 March 2019), CEPA last 27 April 2019 and ecobricking workshop last 04 December 2019.

The Bureau also supported the Coral Initiative Triangle. National CTI Coordinating Committee meetings and assessments were conducted, to wit: a) Post-SOM and MM Assessment, 1st NCCC Meeting and NCCC 2019 Planning Workshop last 17-19 January 2019; b) convened the PH-NCC last 28 February 2019; c)

National CTI Coordination Committee Meeting last 21 March 2019; and d) 4th PH NCC meeting conducted last 12 April 2019. The Bureau also attended and participated in the Internal Resources Committee and Financial Resources Working Group Meetings in Manado, Indonesia last 11-12 February 2019.

The Bureau is also part of the National Convergence Initiative. The Bureau attended and participated at the NCI Workshop on the revision of Joint JAO No. 01, Series of 2015 entitled “Strengthening the implementation Framework for the DA-DAR-DENR-DILG National Convergence Initiative for Sustainable Rural Development last 07-08 February 2019.

Capacity Building were also conducted by the Bureau, to wit: a) NMPA National Pool of Mentors Workshop last 07-08 February 2019; b) Strategic Planning Workshop on Capacity Building last 07-08 February 2019; and c) Diving Course with Coral Reef Familiarization last 10-12 August 2019.

2.6.3. Direct CMEMP Activities and Regular Operations

The Bureau provided financial assistance worth Php 2,000,000.00 to Ticao Burias Pass Protected Landscape as the additional NIPAS MPAs Legislated under E-NIPAS.

The Bureau also supported the conduct of Carrying Capacity Activities in El Nido, Palawan.

On strengthening the National Social Marketing Strategies of CMEMP, the Bureau conducted workshops, entitled “Behavior

Adoption and Social Marketing” last 5-9 August 2019 and “Engaging Communities for Collective Action”.

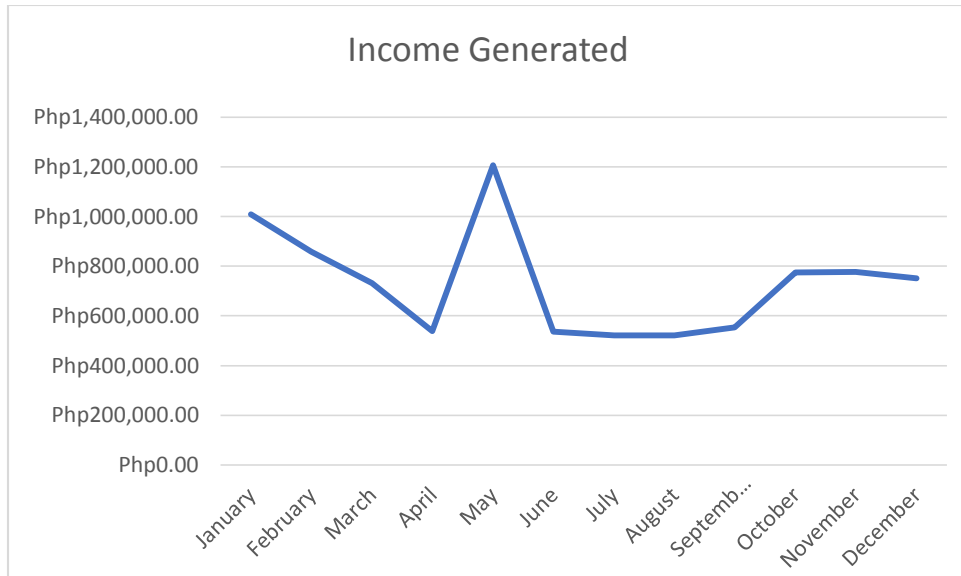
The Bureau also supported the Verde Island Passage Framework Implementation through the conduct of VIP MPAN and LEN Secretariat and 2nd Management Board Meeting last 12-16 February 2019 at Filipiniana Hotel, Calapan City, Oriental Mindoro.

2.7. Managing the Ninoy Aquino Parks and Wildlife Center

The Bureau continuously managed the 23.85-hectare Ninoy Aquino Parks and Wildlife Center and maintenance of its facilities



Moreover, a total of 241,207 visitors were recorded generating a total income of 8,784,226.64 from entrance, parking and rental fees. Highest income was recorded during the month of May while the lowest income was recorded on the month of July



2.8. Mainstreaming Biodiversity

2.8.1. Mainstreaming Biodiversity Across Sectors

The Bureau conducted series of mainstreaming activities participated by different sectors for CY 2019.



Roundtable Discussion (RTD) on Health Sector was conducted last 14 March 2019. RTD aimed to provide venue to discuss and better understand the interplay of biodiversity and health, discuss and exchange experiences, interventions and/or best practices or elements of it related to biodiversity and health.



Moreover, RTD on Infrastructure sector was held last 19 June 2019. The RTD is an initial effort lead by the Bureau to gather relevant stakeholders from national government agencies/offices and other organizations in the infrastructure sector to level-off and initiate relevant discussion.



Furthermore, the Bureau conducted the RTD on Energy Sector last 15 August 2019. The RTD aims to identify approaches to mainstream biodiversity in the policies, plans, programs and projects of relevant NGAs and organizations in the energy sectors.

2.8.2. Localization of Philippine Biodiversity Strategy and Action

The Bureau, in collaboration with DENR-BMB Foreign assisted projects, BIOFIN and Protect Wildlife provided assistance to the finalization of Local BSAPs of the following regions, provinces and cities: Region 4A, Region 6 (Aklan, Antique, Capiz, Guimaras, Iloilo, Negros Occidental), Region 7 (Bohol, Cebu, Siquijor and Negros Oriental), Region 9 (Zamboanga Sibugay and Zamboanga City) and Region 12 (South Cotabato and General Santos City).



Series of orientation, consultation and finalization workshop was conducted for CY 2019. The activity aims to adopt PBSAP targets relevant to their regions/provinces and cities and contribute to achieving PBSAP goals.

2.9. Data Management

The Bureau continues maintain and enhance BMB and CHM Website including data population. Meeting to update and further enhance the CHM Website was conducted last 20 November 2019. The Bureau conducted trainings on the content management system and website maintenance for BMB Website last 27 February – 1 March 2019 and Data Uploading and Maintenance of the BMB Transparency Seal last 6-8 March 2019.



The Bureau also updates the PA Information System to include dataset regarding spatial distribution of Priority wildlife species among others. Pilot-testing of the PA database was

conducted last 17-19 December 2019.

The Bureau also updated the maps of Protected Areas, critical habitats, caves and wetlands (Figure A)

2.10. Communication, Education, Participation and Awareness Program

2.10.1. Celebration of Special Events

2.10.1.1. World Wetlands Day

On February 2, the country celebrated World Wetlands Day (WWD) with the rest of the world to acknowledge the adoption of the 1971 Convention on Wetlands. The objective of this celebration is to raise awareness on the importance of wetlands, its biodiversity and ecosystem services that help us fight climate change.



It was also declared as National Wetlands Day under Proclamation No. 74 issued in 1999.

“Wetlands and Climate Change” is the theme chosen for this year, centering on the important role wetlands play in climate adaptation, mitigation and resilience. They are the most effective carbon sinks on Earth, but when burned or drained for agriculture, they turn into a carbon source.

The Bureau conducted Media Wetland Exposure Activity in Candaba Wetlands Bird Sanctuary to show the ecosystem services that wetlands provide for



communities, as well as its high biodiversity values.

The Candaba Swamp has been identified as one of the ‘most important wetlands’ in the Philippines and has consistently been listed in the Asian Bird Map as an important wintering area for migratory birds, from October up to April of every year when it regularly supports between 5,000 and 10,000 birds.

2.10.1.2. World Wildlife Day

The Bureau led the celebration of the World Wildlife



Day Celebration last 2-5 March 2019 with the global theme, “Life Below Water: For People and Planet”, which aligns with the goal 14 of UN Sustainable Development Goals. This celebration aims to raise awareness about the breathtaking diversity of marine life, the crucial importance of marine species to human development, and how we can make sure it will continue to provide services for future generations.

The celebration started on 2 March 2019, with Mural Painting Activity and exhibit featuring marine wildlife species and Benham Rise. Also, a film showing, “SEAnehan: Screening of Sharkland, Tubbataha and Philippine Seas” was shown at the SM Aura for public viewing.

In line with the celebration, Consultation workshop on the draft Joint DA-DENR-DOT Administrative Order on Marine Wildlife Tourism was conducted last 4 March 2019. A draft joint policy among DOT, DA and DENR on marine wildlife tourism was initiated by DOT a few

years ago. For some reason, the finalization of the draft was stalled. The WWD served as an opportunity to renew the commitment of the three agencies to move forward with the draft with BMB spearheading the process as the national focal point for CMS.

Now on its sixth year, the Wildlife Law Enforcement Awards served as a venue to formally recognize private individuals and non-DENR officials/personnel who have provided invaluable assistance and unqualified support to the DENR in enforcing the provisions of the Wildlife Act (R.A. 9147). For the past five (5) years the DENR has conferred the award to 377 recipients from various enforcement partner agencies and civil society organizations, including private individuals. For this year, several officials/personnel mainly from National Bureau of Investigation, Philippine National Police and Local Government Unit will be formally commended for their invaluable

assistance and dedication to wildlife law enforcement from March 2018 to February 2019.



The awarding ceremony once again served as a venue for the DENR to call for stronger support and greater commitment from each of the awardees and their respective institutions/agencies to curb illegal wildlife trade. It was also a way to encourage support from a wider sector of the society and the Filipino citizenry in protecting wildlife.

Also, ceremonial awarding of USAID assistance for five (5) thesis and dissertation projects on biodiversity

conservation (UP Diliman, UP Los Baños, University of Santo Thomas) was done last 5 March 2019.

One of the regular activities of WWD, the Bureau hosted the 4th National Wildlife Quiz Bee participated in by Grade 9 students from various public high schools in NCR, Region 3 and CALABARZON. This is a knowledge-based competition and learning event which aims to: (1) encourage the target students to give attention to current developments in wildlife, both nationally and internationally; (2) raise awareness and appreciation of the richness, importance, status and conservation of the Philippine wildlife among the students and their advisers, in particular, and the public, in general; and (3) encourage the youth to be active in pursuing their role as environment and wildlife conservation stewards.

2.10.1.3. Month of the Ocean

The Bureau celebrated the Month of the Ocean on May 2019 with this year theme “Free the sea from Marine Debris”. The activity aims to help address the global ocean concern pose by plastic pollution through several initiatives such as information and educational campaigns, collaboration, partnerships and sustainability camps workshops.



2.10.1.4. International Day for Biological Diversity 2019

The Bureau joined the celebration of IDBD 2019 with a theme “Our Biodiversity, Our Food, Our Health” held on 22 May 2019. The theme aims to leverage knowledge and spread awareness on the dependency on our food systems, nutrition, and health. The Bureau held Forum on Biodiversity and Health and Samu’t-saring Tikim Fair for the partners, and health and biodiversity advocates which was consisted of two (2) simultaneous activities culminating in a Cook Fest and Book Launching.



2.10.1.5. 21st Philippine Eagle Week

The Bureau spearheaded the celebration of the 21st Philippine Eagle Week last 4-10 June 2019. This year theme is “The Philippine Eagle: A National Symbol, A Global Treasure. This year’s celebration highlighted that the Philippine eagle, while endemic to the Philippines is a global heritage that requires the concerted efforts of the international community for its conservation, such that if we lose this bird, the whole world loses.

In line with the celebration, the Bureau co-organized with partner organizations and donor activities, to wit; a) Film screening of “Birds of Prey” at UP Town Center on June 3, 2019, SM Downtown Premier, Cagayan de Oro City, Robinson’s Place, Butuan City and SM Lanang, Davao City; b) “Keep them Wild”, an Art Workshop for the benefit of the Ninoy Aquino Parks and Wildlife Center (NAPWC); c) Unveiling of exhibits at SM Downtown Premier, Cagayan de Oro City; d) Art Workshop for IP community with the Philippine eagle as subject at Brgy. Guilang-Guilang, Manolo Fortich, Bukidnon, Brgy. Anticala, Butuan City; e) Interactive IECs on Philippine eagle, “Kalabugao” at Brgy. Guilang-Guilang, Manolo Fortich, Bukidnon, Brgy. Anticala, Butuan City and Brgy. Baracatan, Toril,

Davao City; and f) A Talk on the Philippine eagle at Robinson's Place, Butuan City.

In connection with the PEW Celebration, a pair of captive-bred Philippine eagles Geothermica (male 15 y/o) and Sambisig (female, 17 y/o), were transported to Singapore on 04 June 2019. The birds came from the Philippine Eagle Center in Davao City and will be diligently transferred to the care of Wildlife Reserves

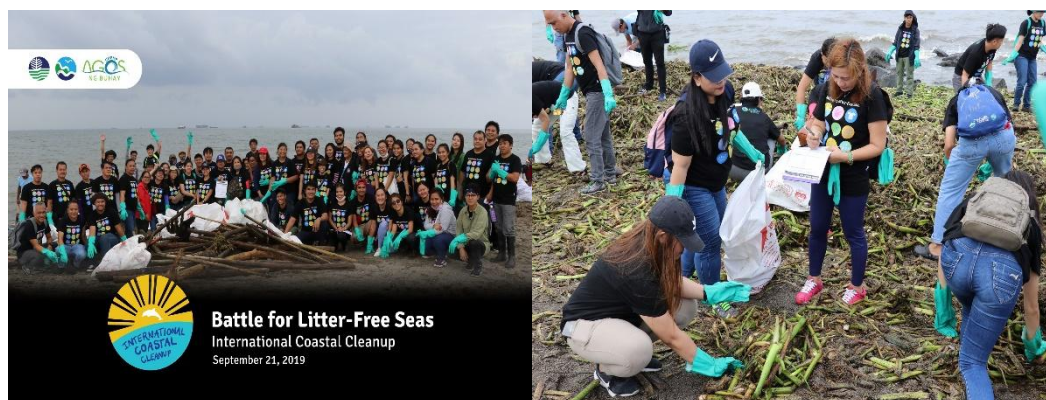


Singapore (WRS)-Jurong Bird Park as ambassadors of Philippine biodiversity. Through a Wildlife Loan Agreement (WLA) between the DENR and WRS, the eagles are expected to generate global awareness on the urgent need for their conservation and to stimulate international support for in-situ conservation in the country.



The signing of the WLA on 20 May 2019 coincided with the 50th year celebration of the Philippines-Singapore Friendship Day. DENR Secretary Roy A. Cimatú and Dr. Cheng Wen-Haur, Deputy CEO and Chief Life Sciences Officer of the WRS signed the historic document with the Ambassador of Singapore to the Philippines, H.E. Gerard Ho Wei Hong and Philippine Ambassador to Singapore, H.E Joseph del Mar Yap as witnesses, and before DENR Officials, the Philippine Eagle Foundation and the media.

2.10.1.6. International Coastal Clean Up



The Bureau joined the celebration of International Coastal Clean-up held in Baseco Compound, Manila last 21 September 2019

International Coastal Cleanup is considered as the largest volunteer effort for ocean's health/. People gather around the world gather beaches, coast, rivers, waterways and underwater dive sites to remove trash and record information on the debris collected. Results will aid in better waste management policies/plans, product packaging designs and in stirring environmental consciousness among the people.

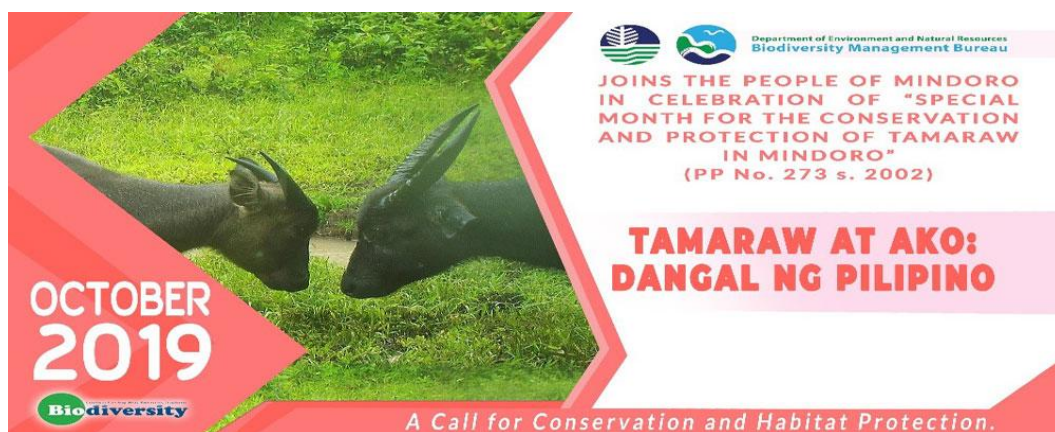


2.10.1.7. World Migratory Bird Day

The Bureau co-organized the Celebration of World Migratory Bird Day 2019 with Society for the Conservation of Philippine Wetlands (SCPW) at LPPCHEA on 12 October 2019. The activity “Click it, Sketch it” includes Bird Watching, Bird Photography, Sketching and Story Telling for children.

2.10.1.8. Tamaraw Month

The Bureau joined the celebration of Tamaraw Month. This year theme is “Tamaraw at Ako: Dangal ng Pilipino”. This year’s celebration reflected the aspirations of the Filipino people for the Tamaraw and the commitment to conserve, in behalf of humanity, of this unique world heritage. The Tamaraw (*Bubalus mindorensis*) is the largest land animal native to the Philippines and categorized as critically endangered species.



DENR-UNDP BIOFIN Project also showed an extinction film documentary last 30 October 2019. The film aimed to solicit funds for the Tamaraw rangers in Mts. Iglit Baco National Park.

2.10.2. IEC Materials

The Bureau produced the following IEC Materials disseminated to increase awareness regarding biodiversity conservation and protection; 1,000 copies of the Implementing Rules and

Regulations of ENIPAS Act; 10,000 copies of Bawal posters; 25 copies of CMS Reports; 1,000 copies of WLE Manual of Operations and 1,350 of tshirts. Also, a total of 2,505 campaign collaterals (calendars/pamphlets/brochures/flyers) on caves, wetlands and OECM were produced.

2.11. Gender and Development (GAD) Mainstreaming

2.11.1. Women's Month Celebration'

The Bureau participated in the celebration of the Women's Month with its kick-off activity held last 11 March 2019 by conducting a zumba followed by a Fun Walk around the Ninoy Aquino Parks and Wildlife Center and a lecture forum to raise awareness about the most prevalent cancers in women.



The Bureau hosted the 3rd Women's Forum with the theme of "Igniting Passion, Finding Fulfillment, Inspiring Stories of Men

and Women in Biodiversity” last 2 April 2019. The forum aims to highlight the accomplishments of men and women leaders in conserving biodiversity and enforcing environmental law. Also, this is to commend their extraordinary efforts on women empowerment in defending the environment.



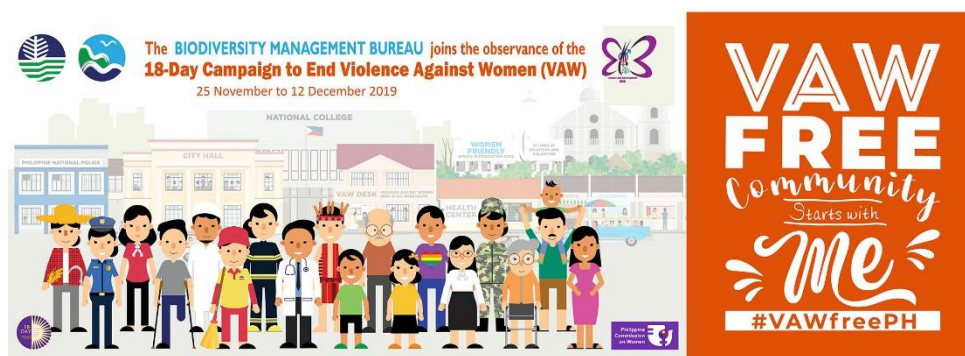
2.11.2. 18-Day Campaign to End Violence Against Women

The Bureau took part in the celebration of the 18-day campaign to End Violence Against Women,

Adopting the theme “VAW-free community starts with Me” for year 2016 to 2021, the campaign emphasizes everyone’s commitment and contributions on ending VAW, and presents an ideal picture of a VAW-free community, thus inspiring the general public to make a personal commitment to end violence against women and children.

This year’s campaign continues to underscore the significant role of individuals, especially the youth, in fighting violence against women and girls within various institutions. It focuses on Primary Prevention to reduce incidents of VAW across the country, which can be achieved by empowering individuals to know and claim

their rights, and to educate them where to seek help in cases of violence.



2.12. International Commitments

2.12.1. Association of Southeast Asian Nations (ASEAN) Working Groups

2.12.1.1. Asean Working Group on Transnational Crime Working Group on Illicit Trafficking of Wildlife and Timber

The Bureau represented the country last 26-26 April 2019 on the 2nd ASEAN Senior Officials Meeting on Transnational Crime Working Group on Illicit Trafficking of Wildlife and Timber held in Chiang Mai, Thailand.

2.12.2. Convention on Biological Diversity (CBD)

2.12.2.1. Subsidiary Body on Scientific, Technical and Technological Advice (SBSTTA)

The Bureau represented the Philippines in the conduct of the twenty-third meeting of SBTTA was held last 25-29 November 2019 in Montreal, Canada.

The Bureau also attended the 1st Meeting of the Open-Ended Working Group on the Post-2020 Global Biodiversity Framework last 27-30 August 2019.

2.12.3. Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)

The Bureau conducted series of workshops for the development of Philippines' position on agenda items/proposal to be discussed during the CITES COP 18. Developed Philippine statements on the proposal regarding Tokay gecko, Mindoro Swallow Butterfly, Small Clawed Otter, Wedge fish.

The Bureau also represented the Philippines participated in the CITES COP18 on August 17-28, 2019 at Geneva, Switzerland. Forty-six (46) species were listed under CITES Appendices.

2.12.4. Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)

The Bureau conducted workshops for the preparation for the CMS COP13. The workshop was held last 25-27 September 2019 and 1 October in Axiaa Hotel and Brentwood Hotel, respectively.

2.12.5. Ramsar Convention

The Bureau attended the 11th Training Workshop for Wetland Managers in East, Southeast and South Asia held last 18-22 March 2019 in Suncheon City, Korea.

2.13. Foreign Assisted Special Projects

2.13.1. Biodiversity Finance Initiative (BIOFIN)

BIOFIN aims to contribute to close the financing gap for the conservation and sustainable use of biological diversity by identifying, accessing, combining and sequencing sources of biodiversity funding to meet national needs.

Effective advocacy and Partnership

For CY 2019, BIOFIN had Three (3) Project Board meetings, and one (1) TWG Meeting last 9 August 2019. The 12th PBM instructed the PMU to prioritize the 21 Finance Solutions.

The Project participated in three(3) Eurasia Pacific Regional call this year. BIOFIN reported the updates on project implementation. The Project also participated in the “5th

Biodiversity Finance Regional Dialogue for Europe, Asia and Pacific”in Chaing Mai, Thailand on September 2019.

The Project conducted three(3) capacity building activities and trainings: 1) Capacity Building on Resource Mobilization last 12-14 March 2019; 2)BIOFIN Methodology/Refresher Workshop last 24-27 April 2019; and 3)WildLEAP Costing Workshop last 6-7 May 2019.



On the implementation of communication plan, several activities were organized. Conduct of “Keep them Wild”: an awareness raising and fund raising activity for the construction of the pasture area for herbivores in the NAPWC. The activity was conducted in four (4) tranches. In celebration of Tamaraw month, the Project partnered with the Ms. Celine Murillo and a group of content creators to produce a documentary “Suwag o Suko”, a film which makes the case for protecting the tamaraws. A special screening of the film was organized last 30 October 2019, attended by 84 representatives from various government agencies, media organizations and private companies. Furthermore, the Project partnered with Canon Philippines for a vlogging contest in line

with the International Day for Biological Diversity (IDBD) 2019. A total of 20 entries were received and prizes from Canon were awarded to four winners who received Canon EOS m100 camera and Canon iNSPic mini photo printers.

On the finalization of Biodiversity Finance Plan, it has been finalized and is only awaiting the message from the DOF Secretary. Messages from the DENR and NEDA Secretaries have been in the document.

Prioritized biodiversity finance solution create Improved Institutional and market frameworks to sustainably manage BD at the National Level

On Investment Program for protected areas, the Project provided assistance in the conduct of Legislators' Forum. The Project also assisted the Bureau in drafting the manifesto requesting support for increasing the budget allocation for RA. 11038 by utilizing approximately 1% of the savings (Php 193 billion) from the 2018 budget. The manifesto will be transmitted to the Speaker of the House and to the Office of the President, for approval. As of this writing, the Office of Congw. Sato was able to obtain approximately 90 signatures from legislators on the manifesto.

Year of the Protected Reas (YoPA) Campaign is an information campaign that seeks to increase awareness on the value of protected areas, instill an appreciation amongst the new generation of Filipinos on the beauty and heritage therein, and result to increased visitation rates and increased revenues for the protected areas. The Project develop concept notes for the YoPA

Campaign. To further expand the reach of this campaign and ensure sustainability of the finance solution, BIOFIN drafted a presidential proclamation for YoPA. The proposed Presidential Proclamation was approved DENR Sec. Cimatu who endorsed it to Malacanang for President Rodrigo Duterte's signature in 6 November 2019.

To improve BD expenditure tagging system and reporting at the DENR, the Project conducting BD Expenditure Tagging Workshop. All DENR Bureaus will be subjected to the tagging exercise. The first workshop was last 27 November 2019 attended by selected BMB staff.



BIOFIN provided assistance to DENR CALABARZON, Regions 3, 6,7,and 12 to finalize their biodiversity strategy and action plans (BSAP) that will be the basis for preparing their finance plans.

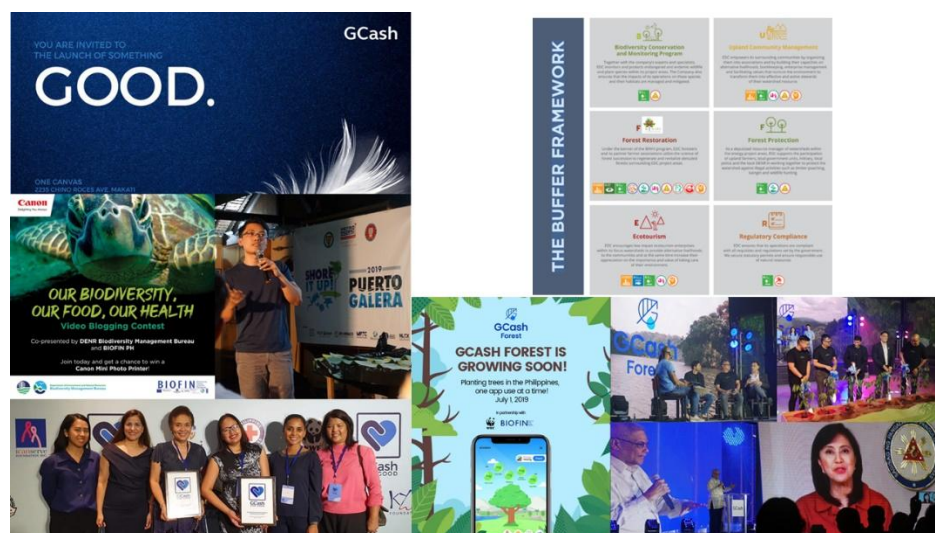


In mainstreaming biodiversity in LGUs, BIOFIN partnered with the Philippine Biodiversity Conservation Foundation, Inc (PhilBio) and the provincial governments of Negros Occidental and Negros Oriental. BIOFIN also served as resource speakers during the Training of the Trainers for the Quezon City BSAP last 7-8 August 2019.

BIOFIN met with several companies to explore partnership opportunities, to wit: a) GCash Forest; b) Philippine National Bank (PNB); and c) P.J. Lhuillier Group of Companies

BIOFIN facilitated the partnership between Mynt and WWF on the second quarter of 2019. Moreover, through the Projects efforts, Team Energy Foundation, Inc (TEFI) committed Php 2.3-M for the construction of a visitor center and information center in the Manleluag Spring Protected Landscape.

Basics of Wildlife Photography was conducted last 21 August 2019, in partnership with Eco Explorations.



To harness public-private partnership collaboration in the protected areas through policy development, BMB and BIOFIN met with PPP Center officials last 3 October 2019 where the possibility to pilot this in 1 or 2 PAs in the country was discussed. Also, one of the outcomes would be a refined PPP Policy for PAs and for DENR. But prior to this, PPP Center recommended to conduct a full feasibility study. Both PPP Center and BIOFIN have initial resources to leverage with, but it may not be enough to cover the full FS. BIOFIN will explore possible partnerships with ADB, FPE and FFP for the feasibility study.

2.13.2. Illegal Wildlife Trade: Combatting Environmental Organized Crime in the Philippines (IWT)

The project aims to combat environment organized crime in the Philippines through legal and institutional reform, capacity building in the law enforcement chain and demand reduction measures

National Inception and Planning Workshop was conducted last 21-22 February 2019 which aimed to brief the NSC, TWG PMO and other stakeholders about the Project, to discuss and agree on 3-year workplan and to discuss operational matters. Stakeholders expressed willingness to collaborate with the project.



The 1st Organizational Meeting of the PSC, TWG and PMO was conducted last 22 February 2019. The meeting was able to orient the PSC, TWG and PMO about their roles and functions, presented the results of National Inception and Planning Workshop to PSC and the PSC directed the PMU to conduct regional project launches and orientation.



A DENR Convergence Meeting was conducted last 17 May 2019 to brief and ensure common understanding of the Project objectives, components and activities among DENR stakeholders, and identify roles of DENR regional counterparts.



Regional Planning/Validation Workshops and Project Launch was held back to back with Stakeholders' Review of proposed amendments to RA 9147 last 29 May 2019 participated by Government Agencies, Academe, LGU, CSOs, and ADB and 13 June 2019 participated by DENR, DOJ, PCG, PNP, PNP-RMU, LGUs and CSOs. The workshops aimed to brief and orient regional stakeholders on the state of IWT in the Philippines, the IWT project objective, components and activities, and ensure understanding and ownership of the Project.



The 2nd Technical Working Group Meeting was held last 10 September 2019 to brief and discuss project implementation and issues with Technical Working Group members and solicit guidance on project implementation. Comments on the project components were raised. On Component 1, include clear definition of “wildlife trafficking and add an inventory of relevant trade laws. On component 2, avoid duplication of efforts, include a module and training on teaching methods for trainers and consider other trainings such as cybercrime, seaports among others.



The 2nd Project Steering Committee Meeting was conducted last 4 October 2019 which discussed the project implementation and issues with Project Steering Committee members and solicit guidance on project implementation. The PSC asked the TWG to look into other interventions that may reduce poaching/demand, look at other taxonomic groups for future studies and discuss and evaluate whether the first indicator in the DMF is still appropriate.

Following are the accomplishment for Project Component 1: Reforming and mainstreaming policy, legal and regulatory instruments:



Six (6) island-wide Stakeholder Consultations were conducted from May to November 2019. The consultation aimed to review and recommend amendments to the 18-year old Wildlife Act.



WildLEAP Costing Workshop was conducted last 6-7 May 2019 to come-up with budgetary assumptions and indicative 10-year budget for the implementation of WildLEAP.



A National Workshop on ICCWC Indicator Framework was conducted 16-17 October 2019 to provide a comprehensive

analysis of the countries' preventive, and criminal justice responses to wildlife and forest crimes. The result of the workshop showed that intelligence led approaches to investigate IWT scored the lowest followed by appropriate penalization of IWT and holistic approach to combat IWT.

Development of eCITES began in 2019 and improvement is currently on-going. Regular consultations with DENR-BMB and other relevant stakeholders were conducted to make sure the platform is developed in consistent with the CITES issuance process.

Following are the accomplishments of Project Component 2: Enabling institutional capacity development in tactical operations addressing wildlife crimes:



Seminar on the Environmental Conservation in the Information Age was conducted to support DENR and other partners gain a better understanding of how advanced technologies can be applied to help combat illegal wildlife trade. Seminar was held last 26-27 November 2019.

On capacity gaps assessments, work on the draft survey started last September 2019. The Implementation of the TNA began on 12-13 December 2019 with a project brief in Butuan and Cebu.

On Port Monitoring and Assessment, a courtesy call with the PPA was held last 27 September 2019 to give orientation about the project and the activities that will be undertaken in relation to seaports and their capacity to address wildlife crime. A Memorandum of Understanding between PPA and DENR-BMB was sent to PPA last December 2019.

An assessment of scientific and technological innovations for IWT monitoring and law enforcement was conducted by Dr. Neil Aldrin Mallari.

The Project has partnered up with ACB in the assessment of Wildlife Rescue Centers. The assessment will use a framework developed by Dr. Corazon Sinha, a consultant for ACB. Initial site visits were conducted by the PMU at DENR-CARAGA Kitcharao WRC and DENR Region 7 WRC on 23-25 April 2019 and 15-17 May 2019, respectively.

Following are the accomplishment for Project Component 3: Reducing demand for illegal wildlife trade products and derivatives:

On valuation Study and Pre-campaign Consumer research, Dr. Mallari conducted a review of related literature on Illegal Wildlife Trade in the Philippines. NIRAS met with BMB and Mr. Romy Trono, consultant on the Marine Turtle National Action Plan, to discuss the status of marine turtle conservation in the Philippines and how the IWT Project can assist in addressing actions identified in the Plan. NIRAS met with BMB to discuss their CEPA approaches and how the Project can complement their actions plans. Survey plan and methodology have been finalized and the implementation of the survey began last December 2019. NIRAS has conducted household surveys in Manila with 80 respondents and in Cebu with 40 respondents. Lastly, conduct of FGD and KIIs was held in CARAGA and Palawan with DENR enforcement officers and coordinated on logistics for next year's data collection activities.

2.13.3. Protect Wildlife

For CY 2019, Protect Wildlife intended to achieve or contribute to higher intermediate results through a more organized and international integration of SA activities in target conservation areas and in selected enforcement units. The activities were planned and carried out to improve a) management of biodiversity and natural assets in target conservation areas, b) reduction of illegal and destructive practices, c) reduction if incidence of wildlife crimes inside the Philippines, d) increase in

enforcement effort and actions, and e) reduction of incidents of wildlife trafficking outside the Philippines.

Efforts to mainstream Protect Wildlife activities with the DENR, LGUs PCSDS and partner enforcement agencies intensified in 2019 as the DENR took the initiative to operationalize the Protect Wildlife Project Steering Committee. The committee has facilitated the engagement of DENR Bureaus and regional units in Regions 4B,9,12,and 3. Each group's participation is essential to the activity's effort to apply an integrated approach to land and resource use in planning in protected areas and forest lands that links departments with different mandates in a common cause to arrest interdisciplinary challenges of combatting wildlife trafficking and protecting local biodiversity.

The Project Steering Committee took interest in introducing a Protected Area Academy featuring a biodiversity conservation curriculum that will strengthen on-site conservation governance, leadership, management, regulation and enforcement. Protect Wildlife will develop and pilot two modules on conservation and protected area management for protected area management for protected area supervisors, and enforcement for forest rangers as part of the curriculum. In addition to the PA academy, Protect Wildlife will strive to promote the sustainability of initiatives through production of knowledge products and scaling up tools, resources and activities.



The on-going USAID-funded research conducted with PCSD and local partners validated that persistent forest degradation and illegal wildlife trade in Palawan

province continue to threaten populations of the Philippine pangolin (*Manis culionensis*)- among the rarest of the eight pangolin species.



Last February 2019, the Project and local partners official inaugurated a farm shed for Kusor Upland Farmers Assosiation (right) as part of the project's extended support for promoting sustainable upland farming practices in southern Palawan communities.



The Project and local partners presented to Zamboanga City Mayor Maria Isabelle Climaco the five-year management and development plans for the city's two protected areas: Pasonanca Natural Park and Great and Little Sta Cruz Island PLS last March 2019.



During the celebration of World Wildlife Day, USAID formally awarded its assistance to the first batch of graduate studies on biodiversity and wildlife conservation in the Philippines. The five

recipients are graduate students from the University of the Philippines- Diliman, UP Los Baños and University of Sto. Tomas.

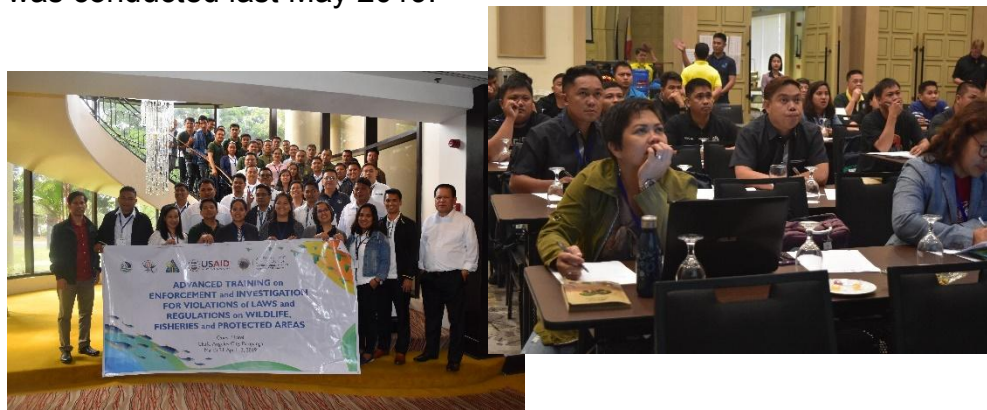


On March 2019, USAID's Protect Wildlife project officially turned over sets of boots, backpacks, tents, hammocks, raincoats, tablets and first aid kits to Palawan Council for Sustainable Development (PCSD) and Bantay Palawan Task Force as part of its continuing support for enhanced wildlife law enforcement in the province of Palawan.



The local government of Brooke's Point municipality introduced to the public its new ambassador for environmental and wildlife protection: Makmak, a mascot depicting the blue-naped parrot (*Tanygnathus lucionensis*), one of the highly poached and illegally traded birds in Palawan province last March 2019.

A consultation and planning workshop on human-crocodile conflict and mouse-deer conservation in Balabac, Palawan and surveying of mangrove habitats of saltwater crocodiles in Balabac was conducted last May 2019.



The Project also continues to enhance knowledge and strengthen capacities of national agencies, local government units and protected area managers in enforcing wildlife and environmental laws in the country, Advanced Training on Enforcement and Investigation and Forestry, Wildlife and Environmental Law Enforcement for Local government officials in Mt, Matutum and Allah Valley was conducted last May 2019.

About 30 officers and members of Mampang Seaweeds Planters Association (MASEPLA) in Zamboanga City, Philippines attended a workshop to develop a three-year Strategic Framework and Management Plan for conserving mangrove forests in Mampang and its adjoining coastal communities last July 2019.

Experts and officials from science, enforcement and environmental sectors in the Philippines gathered in Cebu for the Conference in Wildlife Forensics to develop a common vision and action plan for enhancing the country's capacity in using forensic science to boost wildlife law enforcement and strengthen the campaign to end illegal wildlife trade last 16-18 July 2019.



The USAID Protect Wildlife Project has been providing assistance in establishing mechanisms for the payments for ecosystem

services (PES) to finance conservation activities. The PES revenues are ploughed back for the protection, restoration, regulation, and management of conservation areas. They become a predictable and stable source of funding for conservation activities that include support for community livelihoods and enterprises. Last July 2019, General Santos City, about 45 participants from the Department of Environment and

Natural Resources (DENR), local government units (LGUs) and water utility enterprises in and around the Mt. Matutum Protected Landscape (MMPL), met to negotiate on PES agreements per watershed among users of various ecosystems goods and services from the MMPL.



The project conducted Wildlife Forensics and Criminal Investigation in Palawan wherein participants were able to learn proper methods in collecting, handling and preserving various kinds of wildlife crime evidences in wildlife crime scenes last July 2019.



To support the expansion of the Protect Wildlife project in more areas in Palawan, USAID and Rare once again brought to the province the Campaigning for Conservation (C4C) workshop—an intensive training on designing behavior change communication campaigns for environmental conservation last August 2019. More than 20 participants from the city government of Puerto Princesa, field units of the Department of Environment and Natural Resources, Palawan State University and local NGOs worked together during the 10-day workshop to apply what they learned in behavior change theory, social marketing research, and campaign messaging and design.



USAID Protect Wildlife project in the Philippines, signed a partnership with the Sarangani-based Conrado & Ladislawa

Alcantara Foundation Inc. (CLAFI) for the implementation of a mangrove nursery rehabilitation and a marine turtle conservation program, which includes technical and funding support in target communities along highly threatened zones in Sarangani Bay. The Foundation will take the lead in implementing campaigns for conservation in the Sarangani Bay Protected Seascape to increase awareness on the importance of mangrove protection, marine turtle conservation, and secure the support of the local government units on policy legislation.



To enhance local capacity to properly handle marine turtles and their eggs and identify gaps in conservation and possible solutions for marine turtle conservation, USAID's Protect Wildlife project, together with the DENR, held a workshop from October 14 to 16, where around 45 municipal officers and concerned staff members from Sarangani attended, along with community partners, hatchery managers and private partners. Protect Wildlife provided technical guidance and, together with site-based partners, an opportunity to assess the condition of marine turtle hatcheries in the bay; assess current local capacities in managing these hatcheries; rectify improper practices and provide re-tooling; and localize protocols based on national standards.



From October 13 to 18, more than 40 park rangers of the Puerto Princesa Subterranean River National Park in Palawan

attended an enforcement capacity-building workshop to enhance their skills and knowledge on substantive laws and policies focusing on wildlife, forestry, protected areas, chainsaws, environmental laws, applicable city ordinances, administrative orders of the Palawan Council for Sustainable Development (PCSD), searches and seizures, and rules on arrests, among others.



Last November in Puerto Princesa City, about 30 partners and stakeholders of the USAID Protect Wildlife project learned about the value and uses of Wildlife Insights—an innovative new platform that combines field and sensor expertise, cutting-edge

technology, and advanced analytics to enable people everywhere to share wildlife data and better manage wildlife populations. Most protected areas in the Philippines currently do not have standardized systems in place to monitor changes in wildlife populations, making it difficult to assess the effectiveness of conservation interventions. By using Wildlife Insights, Protect Wildlife and Conservation International will support the PCSD and DENR, local government units to develop site-relevant analysis that are tailored to their needs.

III. Physical and Financial Performance Report

Please refer to *Annex A* for the physical vs. financial performance matrix of the Biodiversity Management Bureau in accordance with the approved CY 2019 Work and Financial Plan.

IV. Prospects for CY 2020

For CY 2020, in order to strengthen the protection and conservation of the country's wildlife and protected areas through the Wildlife Act and NIPAS Act, as amended, necessary funding was provided to the biodiversity sector. The said funding will further enhance the capacity of the Bureau and the field offices to efficiently implement priority activities for the coming year.

To ensure this, the Bureau will continue to conduct field monitoring through the BMB composite teams to validate the Regional and Field Office's accomplishments, as well as provide technical assistance, if needed. In addition to the field monitoring and validation, the Bureau will also conduct a Mid-Year National Program Assessment and a National Year-End Assessment

Workshop in order to thoroughly monitor the physical and financial performance of each region pertaining to biodiversity.

ANNEX A

Physical and Financial Accomplishment Matrix for CY 2019

Program/Project/Activity: Data Management including Systems Development and Maintenance

[illegible]

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: Data Management including Systems Development and Maintenance

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET								ACCOM				Variance	REMARKS
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
3.2.5. Maintenance of Internet Access Points including IP Telephony	Internet Access Points maintained	25	25	25	25	25	25	25	25	25	25	25	25		
3.2.6. Maintenance of Local Area Network (LAN)	LAN maintained	1	1	1	1	1	1	1	1	1	1	1	1		
3.2.7. Repair and maintenance of BMB computers and other IT equipment	computers and IT equipment maintained/repared	15	15	15	15	15	15	15	15	15	15	15	15		
3.3. Business Continuity Plan Development and Implementation															
3.3.1. Development of BMB IT Policy	BMB IT Policy Developed/approved and Implemented		1												
3.3.2. Development of IT Disaster Backup and Recovery Plan	IT Disaster Backup and Recovery Plan developed, approved and implemented				1					0		0	1		
3.3.3. Preparation and submission of necessary reports (e.g. FOI, 8888 hotline)	Reports prepared and submitted (no)	2	2	2	2	2	2	2	2	2	2	2	2		
4. Updating/populate database on caves, wetlands and BD-friendly	database maintained/updated	1	1	1	1	1	1	1	1	1	1	1	1		
4.1. Caves	IT/technical personnel hired	3	3	3	3	3	3	3	3	3	3	3	3		
4.2. Wetlands															
4.3. BD-friendly															
5. Updating and production of integrated maps (on caves, wetlands & other important biodiversity areas)	maps updated/produced	1	1	1	1	1	1	1	1	1	1	1	1		
6. Capacity Building															
1.1. Hands-on Training on Content Management System and Website Maintenance for BMB Website	Trainings conducted	1				1				0			0		
1.2. Training/Workshop on Data Uploading and Maintenance of the BMB Transparency Seal		1				1				0			0		

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: Data Management including Systems Development and Maintenance

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	REMARKS
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
1.3. Hands-on Training on Content Management System and Website Maintenance for Protected Area Superintendent (PASu) or designated Staff											
1.4. Hands-on Training on Advance Topics in Microsoft Office Productivity Software											
II. GEOGRAPHIC INFORMATION SYSTEM											
1. Update and production of integrated maps	maps produced										
1.1. Protected Areas											
1.1.1. Regional		1	1	1	1	1	1	1	1		
1.1.2. National		1	1	1	1	1	1	1	1		
1.2. Critical Habitat		1	1	1	1	1	1	1	1		
1.3. Ecotourism Sites		1	1	1	1	1	1	1	1		
1.4. Wetland Areas		1	1	1	1	1	1	1	1		
1.5. Caves		1	1	1	1	1	1	1	1		
2. Attendance to trainings/seminars/workshops/meetings and other activities related to GIS	trainings/seminars/workshops meetings attended										
III. STATISTICAL SERVICES											
1. Compilation/consolidation and review of statistical reports on protected areas and wildlife resources	Statistical Reports reviewed/ consolidated, compiled and acknowledged										
2. Compilation and Uploading to BMB Website, production and distribution of Protected Areas and Wildlife Statistical Yearbook for 2016	Protected Areas and Wildlife Statistical Yearbook for 2016 compiled and uploaded to BMB website	1				0	1	0			
3. Attendance to trainings/seminars/workshops/meetings and other activities related to statistics	trainings, seminars, workshop attended					0	6	0			
4. Support to the National Statistical Month celebration	Statistical month celeb assisted				1	0	0	0	1		

Program/Project/Activity: Data Management including Systems Development and Maintenance

[illegible]

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: Production and Dissemination of Technical and Popular Materials in the Conservation and Development of Natural Resources

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET								ACCOM				Variance	REMARKS
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
PROGRAMS															
SUPPORT TO OPERATIONS															
PRODUCTION AND DISSEMINATION OF TECHNICAL AND POPULAR MATERIALS IN THE CONSERVATION AND DEVELOPMENT OF NATURAL RESOURCES AND ENVIRONMENTAL EDUCATION															
1. Partnerships Engagement															
1.1. Building support of stakeholders in biodiversity conservation	no. of partners institutions/ sectors engaged in biodiversity conservation		1			1	1						1		
2. Celebration of special events															
2.1 World Wetlands Day (February 2)	no. of events activities conducted	1					1								
2.2 IDBD (May 22)			1								1				
2.3 World Wildlife Day (March 3)	report submitted														
2.4 World Migratory Bird Day (October 13)	report submitted						1						1		
2.5 Philippine eagle week (June 4-10)	report submitted			1											
2.6 Provision of assistance in the preparation of Tamaraw Month Celebration						1							1		
3. Printing/production of campaign collaterals (Calendars/panphlets/brochures/flyers on caves, wetlands, and/or other important biodiversity areas e.g. urban biodiversity and agrobiodiversity)	no. of collaterals produced/ printed					3000	1000			1505					
4. Photo-documentation of caves, wetlands and other conservation areas and BD-friendly products	collection of high resolution photos of features/products/ site visited endorsed to Director					3000	750			1000			750		
5. Pilot-testing of institutional brand book	no. of sites pilot-tested with report submitted				1		1				1				
	no. of meetings/consultations conducted with report submitted		1			1				2					

Program/Project/Activity: Production and Dissemination of Technical and Popular Materials in the Conservation and Development of Natural Resources

[illegible]

Department: ENVIRONMENT AND NATURAL RESOURCES
 Agency: OFFICE OF THE SECRETARY (OSEC)
 Operating Unit: BIODIVERSITY MANAGEMENT BUREAU
 Program/Project/Activity: Legal Services Including Operations Against Unlawful Tiling of Public Land

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	REMARKS
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
PROGRAMS											
SUPPORT TO OPERATIONS											
LEGAL SERVICES INCLUDING OPERATIONS AGAINST UNLAWFUL TITLING OF PUBLIC LAND											
1. Preparation of Reports/Investigation/evaluation of cases/contracts related to PAs, wildlife and coastal and marine	No. of cases/contracts reviewed and evaluated	5	3	4	5	74	179	33	99		
	No. of investigations conducted	1	3	2	2	2	1		2		
2. Attendance to hearings on PA bills, budget hearing, and other legal fora	Hearings attended Documents prepared	10	15	21	12	39	3	2	4		
							5	2	4		
3. Attendance and participation as spokesperson in trainings/seminar/workshops/local travels/ocular inspections	Reports submitted	5	5	5	5	12	8	8	3		
> MCLE					1				1		
> International travels	Reports submitted		as needed								

Program/Project/Activity: Formulation and Monitoring of ENR Sector, Policies, Plans and Programs

PROGRAMS

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: Formulation and Monitoring of ENR Sector, Policies, Plans and Programs

10	PERFORMANCE INDICATOR	TARGET								Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
	no. of meeting/consultation conducted with report submitted	1		1			2				
	draft policy endorsed to OSEC			1					1		
1.7. Guidelines on the Recognition of Biodiversity-Friendly Enterprises (BDFEs)	no. of meeting/consultation conducted with report submitted		1	1		1	2				
1.8. National Policy on Wetland Conservation and Management	draft policy endorsed to OSEC				1				1		
	no. of meetings conducted with report submitted		1		1		2				
2. Protected Area Management											
2.1. Finalization of the IRR of the NIPAS Act, as amended	DAO endorsed to OSEC	1				1					
2.2. Support policies to the NIPAS Act, as amended											
2.2.1. Guidelines on Protected Area Suitability Assessment	DAO drafted				1						1
2.3. Guidelines on PA Reporting (Annotated Outline)	TB endorsed for approval			1							1
2.4. Inputs to the Integration of BMS and Lawin	TB endorsed for approval		1			1					
3. Wildlife Conservation and Management Program											
3.1. DAO re exemption from issuance of CITES Permit for products made from specimens from <i>C. porosus</i> produced by CITES-registered captive-breeding facility	no. of consultations/meetings conducted DAO drafted Draft DAO endorsed to OSEC		1	1	1			1	2		
3.2. Establishing certain areas as Critical Habitat											1
3.3. Development of IAS Risk Assessment Protocol	No. of meetings conducted	1	1								
	Technical Bulletin on IAS risk assessment protocol approved			1					1		
3.4. Standards in the collection of samples for DNA barcoding/wildlife forensic purposes	Technical Bulletin approved	1								1	

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: Formulation and Monitoring of ENR Sector, Policies, Plans and Programs

10	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
3.5. Adoption of the National Invasive Species Strategic Action Plan by DA and DENR	no. of meetings conducted Joint Administrative Order endorsed for approval by DA and DENR	1	1							1	
3.6. DAO on the Adoption of the Wildlife Law Enforcement Action Plan (WILLEAP)	WILLEAP endorsed to OSEC	1				1					
II. Gather data/information /related materials for in support of the drafting of policies/guidelines/ programs on caves, wetlands and other important biodiversity areas such as urban ecosystem and BD-friendly enterprises/practices	list of related/relevant information, materials, policies, plans and programs gathered					4					
III. Programs/Projects Review, Development and Implementation											
1. Review of guidelines, policies, regulations, resolutions, bills, etc. related to Protected Areas	% of all guidelines, policies/ regulations/Bills/Resolutions reviewed	90%	90%	90%	90%	90%	100%	100%	90%		
2. Review of PA Bills/Congressional Resolutions	Percentage of PA Bills reviewed Percentage of meetings/hearings attended	90% 90%	90% 90%	90% 90%	90% 90%	90% 90%	100% 100%	100% 100%	90% 90%		
3. Review of proposals regarding Protected Areas	Percentage of proposals reviewed	100%	100%	100%	100%	100%	100%	100%	100%		
4. Review of the ENR policies, programs/projects, MOAs and bills related to caves, inland wetlands and other ecosystems	no. of policies, MOAs, bills related to caves, inland wetlands and other ecosystems reviewed	2	4	3	3	3	18	9	9		
5. Review of research/project proposals submitted by various entities/institutions	proposals reviewed GP prepared	3	3	3	3	3	8	9	6		
6. Preparation of partnership agreements	MOAs/MOUs prepared		As necessary	As necessary			1	1	3		

Department: ENVIRONMENT AND NATURAL RESOURCES
Agency: OFFICE OF THE SECRETARY (OSEC)
Operating Unit: BIODIVERSITY MANAGEMENT BUREAU
Program/Project/Activity: Formulation and Monitoring of ENR Sector, Policies, Plans and Programs

10	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
7. Drafting of conservation and management plans for threatened species (dugong, marine turtle, flying fox)	meetings/workshops conducted	1	2	2	1	2				4	
	Species Conservation and Management Plan drafted				2			3	1		
8. 2020 BMB Work and Financial Plan	2020 WFP prepared and submitted to DENR Central Office				1				1		
9. Preparation and submission of OPCR	OPCR prepared and submitted (commitments and accomplishment)		1		1	1					
IV. Monitoring of Plans/Programs/Projects on Biodiversity Conservation											
1. Review and consolidation of accomplishment reports	Monthly reports submitted	3	3	3	3	3	3	3	3		
	Quarterly reports submitted	1	1	1	1	1	1	1	1		
	Annual Report submitted				1	1					
2. Monitoring/assessment of programs and projects on biodiversity conservation	Regions/sites visited			10	6			7	8	1	
	Field reports prepared and submitted to OD			10	6			1	4	11	
V. Implementation/Coordination of Foreign Assisted Projects											
1. Biodiversity Finance Initiative (BIOFIN), Biodiversity Corridor, ProCoast, SMARTSeas, etc	Meetings/Workshops attended	1	2	2	2	1	4	2	2		
2. Supervision of and Technical Assistance to ICCA Projects	No. of meetings/workshops attended	1	1	1	1	17	5				
3. ADB -GEF Project "International Wildlife Trade: Combating Environmental Organized Crime in the Philippines"	No. of meetings conducted	1	1	1	1	1	1		1		
	Minutes of the Meeting drafted	1	1	1	1	1	1		1		
	Quarterly reports submitted	1	1	1	1			2			
4. USAID-Project Wildlife Project	No. of meetings conducted	1	1	1	1	1	1	1	1		

Department: ENVIRONMENT AND NATURAL RESOURCES
Agency: OFFICE OF THE SECRETARY (OSEC)
Operating Unit: BIODIVERSITY MANAGEMENT BUREAU
Program/Project/Activity: Formulation and Monitoring of ENR Sector, Policies, Plans and Programs

10	PERFORMANCE INDICATOR	TARGET								ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
	Minutes of the Meeting drafted Quarterly reports submitted	1	1	1	1	1	1	1	1	1	1	1	1		
		1	1	1	1	1	1	1	1	1	1	1	1		
5. Attendance to BMB-FAPS and DENR-FASPS - related meetings, workshops, conferences such as :	no. of meetings, workshops attended														
a. Official Development Assistance Portfolio Review		1	1			1				1		1			
b. FASPS Implementation Annual Performance Review															
c. Special Projects Technical Working Group		1	1	1	1	1	1	1	1	1	1	1	1		
d. BMB FAPS Coordination/ Complementatation															
e. BMB FAPS Project Board/ Steering Committee		1	1	1	1	1	1	1	1	1	1	1	1		
f. UNDP HACT Audit/ Micro Assessment															
g. Other FAPS/ CC - related meetings/ workshops as maybe assigned			1		1			1	1		1		1		
6. Coordinate the preparation of CY 2018 ODA Portfolio Review report	no. of FAPS with ODA reports prepared	6				6									
7. Coordinate the preparation of news articles on BMB FAPS		5	5	5	5	5	5	5	5	5	5	5	5		
8. Hiring of contractual staff	no. of contractals hired	1	1	1	1	1	1	1	1	1	1	1	1		
VI. Capability Building															
1. Attendance to training/workshops/ seminars	% of meetings/ workshops/fora/ symposia attended	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%		
2. In-House Workshop/Writeshop on proposals (Activity Design, TOR, PR) for various NPD activities	No. of In-house Workshop/ Writeshop conducted	1				1									
3. ENIPAS IRR Forum	Forum conducted			1								1			
4. Assessment and Planning Workshop	No. of workshop conducted			1	1		1							1	
5. ENIPAS IRR and NPASMP Roll-Out	No. of workshops facilitated/ organized			2	1		1					3	3	3	

Department: **ENVIRONMENT AND NATURAL RESOURCES**
Agency: **OFFICE OF THE SECRETARY (OSEC)**

Operating Unit: **BIODIVERSITY MANAGEMENT BUREAU**

Program/Project/Activity: **Formulation and Monitoring of ENR Sector, Policies, Plans and Programs**

10	PERFORMANCE INDICATOR	TARGET								Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
6. PA Boundary Demarcation Workshop	No. of workshops conducted		1				1				
7. BAMS and SEAMS National Assessment	No. of workshops conducted				1						
8. Assessment and Planning Workshop for AHPs	No. of Workshop conducted		1				1				
9. In-house orientation on updated/recent policies on caves and inland wetlands	no. of events conducted		1						1		
10. Orientation of Enhanced Cave Assessment Form and inland wetland profiling/assessment	no. of events conducted		1				1				
11. Learning Event on Single-Rope Technique for Caving	no. of male and female trained participants/report submitted/ events conducted		1	1			1	1			
12. In-house Orientation on Creative Designs	no. of male and female trained participants/report submitted/events conducted			1				1			
13. Mainstreaming biodiversity across:	Round Table Discussions (RTD) conducted/attended	1				1					
13.1. Health (DOH)											
13.2. Energy (DOE)			1						1		
13.3. Infrastructure (DPWH) / Urban Biodiversity			1				1				
13.4. Manufacturing (DTI)											
14. Stakeholders consultation for the Mindanao Biodiversity Research agenda	consultation conducted		1								
15. Localization of the PBSAP pursuant to DAO 2016-12 on selected provinces (Antique, Cebu, Aurora, etc.)	No. of orientation conducted		5	1		1	3	6	3		
16. Partner's Meeting (CHED, HEIs, etc)	No. of meeting conducted			1			1	1			

Department: ENVIRONMENT AND NATURAL RESOURCES
Agency: OFFICE OF THE SECRETARY (OSEC)
Operating Unit: BIODIVERSITY MANAGEMENT BUREAU
Program/Project/Activity: Formulation and Monitoring of ENR Sector, Policies, Plans and Programs

10	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
17. FGD on Mainstreaming Biodiversity in the Mining Sector	No. of FGD conducted			1			1		2		
VII. Conduct of regular conference/meetings/ workshops	Conference/Meetings conducted	3	3	3	3	2	7	4	5	2	
	Minutes/Proceedings/documents prepared/submitted	3	3	3	3	2	7	4	5	2	
	1. Mid year/Annual Assessment Workshops										
	2. Senior Staff/FDU Meetings										
3. Technical Review Committee Meetings											
VIII. Participation/Attendance to other committees/flora	Mtngs attended w/ report submitted										
1. PTWG				1	1	1			1		
2. DENR Budget Hearings				2	2	2			1	1	
3. DBM/Senate/Congress Budget Hearings				2	2	2			7	2	
4. DENR Planning Workshops				1					1	1	
5. Foreign-Assisted Projects (FAPs)											
6. CEPA											
7. Others (BAC-TWG, BAC, GAD, UNDP, PDP, PSB, DRR-EBA, SPMS, QMS, etc)											
IX. Facilitate/attend documents/meetings/ workshops in line with international commitments											
1. CBD and related meetings	No. of local/international meetings attended/conducted	2	2	2	2	2		6		1	
2. ASEAN Working Group on Nature Conservation and Biodiversity (AW/GNCEB)	Documents/reports prepared and submitted		1								
3. ACB			2	2	2						
4. Other ASEAN matters			2	1	1						
5. GEF				2							
X. Technical assistance (TA)											
1. Presenters/Resource Persons	Meeting/workshops attended	1	1	1	1	1	4	3			

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: Formulation and Monitoring of ENR Sector, Policies, Plans and Programs

10	PERFORMANCE INDICATOR	TARGET								ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
2. Attendance/participation in the drafting/formulation of support policies/guidelines to biodiversity-related concerns	Meeting/workshops attended/participated	1	2	1	1	16									
3. Provide technical assistance to Regional Office, LGUs, OGAs GOs and other stakeholder in the implementation of Caves, Wetlands/Ramsar Convention, Urban Biodiversity and other biodiversity-related projects/program	TA provided	1	2	3	2	1	2	3							
4. Participation to meetings/consultations /workshops (local/international) on matters about the implementation of the Convention on Wetlands, Convention on Migratory Species, ASEAN Task Force on Peatlands, Convention on Biological Diversity (related to urban biodiversity) and other related activities/projects	no. of meetings/consultations attended with report submitted		1		1	2	1								
5. Provision of technical assistance to BMB and Regional Office in the planning/programming of BMB Programs/ Projects	Activities undertaken Documents prepared Regions visited														
XI. Support to other activities	Special events conducted (no.)		1												
1. DENR Day			1					1							
2. BMB Day															
XII. Support Services															
1. Repair and maintenance of Office Equipment	Office equipment repaired and maintained														
2. Driver	No. of driver hired	2	2	2	2	2	2	2	2					2	
3. Support Staff															
3.1. Administrative Support Staff		3	3	3	3	3	3	3	3					3	
3.2. Database Developer (consultancy services)**		1	1	1	1	1	1	1	1					1	
3.3. Technical Support Staff**		2	2	2	2	2	2	2	2					2	

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: Natural Resources Management Arrangement/Agreement and Permit Issuance

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET								Variance	REMARKS
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
OPERATIONS	NATURAL RESOURCES SUSTAINABLY MANAGED										
NATURAL RESOURCES ENFORCEMENT AND REGULATORY PROGRAM											
Natural Resources Management Arrangement/Agreement and Permit Issuance											
I. NIPAS Management											
1. PACBRMA/CRMP	% of reports reviewed/ No. of PACBRMA application reviewed/ endorsed*	80%	80%	80%	80%	100%	100%	76%	80%		
II. Wildlife Trade Regulation and Law Enforcement											
1. Processing/Issuance of CITES permits (Manual and CEPMIS)	permits issued	235	265	260	240	264	263	306	248		
2. Monitoring of wildlife farms propagating CITES-listed species for international trade/wildlife facilities holding important wildlife	no. of farms monitored no. of monitoring reports submitted		3	4	3		3	4	5		
				2	3		3	3	3		
3. Updating of database on wildlife crimes, list of WRCs/CWRSMFP holders per region, production and trade reports of wildlife breeders	database maintained & updated	3	3	3	3	3	3	3	3		
III. Wildlife Law Enforcement (charged to POGI)											
1. Mobilization of the Philippine Operations Group on Ivory and Illegal Wildlife Trade (POGI)											
1.1. Case-building (intelligence-gathering, investigation, surveillance) operations	intelligence report submitted	15	15	15	15	20	21	15	16		
1.2. Actual law enforcement operations and filing of criminal complaints/cases against suspected law violators	case documents - enforcement report - search warrant (as appropriate) quarterly enforcement reports	2	2	2	2	4	3	3	4		
		1	1	1	1			2	1	1	

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: Natural Resources Management Arrangement/Agreement and Permit Issuance

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET								Variance	REMARKS
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
1.3. Attendance to court hearings	Hearings attended					2			4		
2. Capacity-building											
2.1. Ninth Training of Trainors (TOT9) on Wildlife Law Enforcement	training conducted report submitted			1			1				
2.2. Second Wildlife Forensics and Criminal Investigation on Training	training conducted report submitted				1				1		
					1				1		

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: Protected Areas Development and Management

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET								Variance	REMARKS
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
OPERATIONS											
NATURAL RESOURCES SUSTAINABLY MANAGED											
NATURAL RESOURCES CONSERVATION & DEVELOPMENT PROGRAM											
Protected Areas Development and Management											
1. Implementation of NIPAS Act, as amended											
1.1. NIPAS Establishment/ Declaration/ Disestablishment	% of relevant documents for PA establishment/ disestablishment reviewed (dependent on submission from Regions)	100%	100%	100%	100%	100%	100%	25%	80%		
1.2. NIPAS Management											
1.2.1. PAMB Organization	% of PAMB appointments reviewed/endorsed to the Secretary	100%	100%	100%	100%	100%					
1.2.2. PAMB Operationalization	% of Resolutions reviewed % of Minutes of Meeting reviewed	80%	80%	80%	80%	80%	10%	100%	100%		
		80%	80%	80%	80%	80%	17%	65%	100%		
1.2.3. IPAF Establishment/ Operation	No. of SBR reviewed/ endorsed % of collection and utilization reports reviewed	100%	4	100%	100%	1	31%	6	100%		
1.2.4. PA Management Plans preparation/updating	% of PAM/PS reviewed	100%	100%	100%	100%	25%	40%	50%	50%		
1.2.5. SRPAO/SEAMS	% of SRPAO/SEAMS reports reviewed	100%	100%	100%	100%	73%	73%	91%	75%		
1.2.6. Biodiversity Monitoring System	% of BMS reports reviewed	80%	80%	80%	80%	1%	19%	99%	80%		
1.2.7. BAMS	% of BAMS reports reviewed	100%	100%	100%	100%	15%	100%	100%	100%		
1.2.8. Special Use Agreements within PAs/MOA	% of SAPAMOA reviewed	100%	100%	100%	100%	100%	75%	78%	75.00%		

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: Protected Areas Development and Management

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	REMARKS
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
1.2.9. Other PA Management Activities	% of other PA management-related reports reviewed*	75%	75%	75%	75%	75%	72%	100%	75.00%		
1.3. Ecotourism Development Program	% of reports reviewed	80%	80%	80%	80%	100%	14%	87%	75.00%		
1.3.1. Attendance/organization of ETWG and NESC meetings	ETWG meetings attended/organized	1	1	1	1	2	3				
	NESC meetings attended/organized	1	1		1		1				
1.3.2. Monitoring of Ecotourism Development Program	No. of sites monitored		1	1	1	3					
1.4. Monitoring of NIPAS implementation	No. of sites monitored			5	5	8	3	21			
1.5. Hiring of COS	No. of staff hired				1			1	1		
2. Cave Management and Conservation Program											
2.1. Monitoring of priority/classified caves including cave ecotourism sites	no. of priority/classified cave monitored/ no. of sites visited	2	3	3	2		9				
2.2. Review and evaluation of Cave Assessment Reports/Management plans/Management implementation reports	no. of cave assessment report/ mgt. plan evaluated/ validated	3	4	5	4	43	25				
2.3. National Cave Committee Operations	no. of meetings conducted/ facilitated/co-hosted		1	2	1	1		2	1		
3. Wetlands Conservation and Management Program											
3.1. Monitoring/evaluation of wetland priority/ Ramsar wetland site	no. of site monitored/evaluated	1	2	2	1		4	2			
3.2. Review and evaluation of Wetland Assessment Reports/Management Plans/Management Plan implementation reports	no. of wetland assessment report reviewed / mgt. plan evaluated /validated	2	3	4	3	8	28	5			

Program/Project/Activity: Protected Areas Development and Management

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Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: Protected Areas Development and Management

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	REMARKS
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
Maintenance and other Allied Services											
6.1.2.1 Park Grounds Utility Workers		19	19	19	19	19	19	19	19		
6.1.2.2 Animal Caretaker		7	7	7	7	7	7	7	7		
6.1.2.3 Biologist/Veterinarian		2	2	2	2						
6.1.2.4 Aircon Maintenance and Repair		1	1	1	1	1	1	1	1		
Technician											
6.1.2.3 Automotive Mechanic		1	1	1	1	1	1	1	1		
6.2 Park Maintenance Supplies	supplies procured										
6.3 Nursery Supplies	supplies procured										
6.4 Planting Materials for Pocket Landscape	materials procured										
6.5 Repair/Maintenance/Upgrading of Equipment	no. of equipment maintained										
6.5.1 Vehicles		4	4	4	4	4	4	4	4		
6.5.2 Chainsaw & Other Park Maintenance Equipment		5	5	5	5	5	5	5	5		
6.5.3 Office Equipment (A/C units)		78	78	78	78	78	78	78	78		
6.6. Hiring of COS	no. of staff hired				1	1			1		
6.7. Repair/Maintenance of Buildings/Structures	no. of buildings/structures maintained	9	9	9	9	9	9	9	9		
6.8. Meetings/Workshops/Seminars	no. of meetings attended/ conducted		1		1		1				

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
OPERATIONS											
NATURAL RESOURCES SUSTAINABLY MANAGED											
NATURAL RESOURCES CONSERVATION & DEVELOPMENT PROGRAM											
Protection and Conservation of Wildlife											
I. Conservation of Threatened Species											
A. In-situ Conservation											
1. Monitoring of conservation activities/programs for priority threatened species: Philippine eagle, Tamaraw, Crocodile, Phil. Cockatoo, Flying foxes, Warden's Hornbill, Cebu flowerpecker, Dinagat-tailed cloud rat, Negros fruit dove, Negros bleeding-heart pigeon, Mindoro bleeding-heart pigeon, Tarsier, Sulu hornbill, Marine turtles, Dugong	Regional reports evaluated	15	15	15	15	15	23	6	44		
	Field monitoring reports submitted			3	3	2		3	4	3	
	Status report on population/sightings/distribution of threatened species				1						
2. Updating of information/data on the status of wildlife resources and their conservation	PPCC review meetings/workshops conducted	1	1	1	1	1	1	1	2		
	PRLC review meetings/workshops	1	1	1	1	1	2		2		
	Wildlife species database/data holding updated and made available at the BMB website				1				1		
3. Asian Waterbird Census (AWC)	Regional bird count report reviewed	8	10			8	10				
	National AWC report submitted to Wetland International		1				1				
	AWC coordinators meeting/workshop conducted				1				1		
4. Establishment and management of Critical Habitats											
4.1. Review of CH proposals submitted by the Regions	proposals reviewed and evaluated evaluation results transmitted to the concerned Regions			1	1	1			3	10	
					1				3	10	
4.2. Review of CH Management Plans submitted by the Regions	management plans reviewed			1					1		

Department: ENVIRONMENT AND NATURAL RESOURCES
Agency: OFFICE OF THE SECRETARY (OSEC)
Operating Unit: BIODIVERSITY MANAGEMENT BUREAU
Program/Project/Activity: Protection and Conservation of Wildlife

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
4.3. Monitoring of CHMP implementation - <i>Rafflesia schadenbergiana</i> CH - Cabusao Wetland CH - Malasi Tree Park and Wildlife Sanctuary - Carmen CH - Magsaysay critical Habitat - Adams Wildlife CH	CH status reports submitted		2		3						
5. Biodiversity Monitoring System (BMS)											
5.1. Review and evaluation of Regional BMS reports particularly on wildlife species monitored	evaluation results transmitted to NPD	3	3	3	3	3		6	6		
B. Ex-situ Conservation 1. National Wildlife Rescue and Research Center (NWRRC)											
	1.1. Technical assistance in the maintenance and care of confiscated, donated and rescued wild animals	1100	1100	1100	1100	1771	1394	1192	1147		
1.2. Management of rehabilitated animals in pursuit of DAO 97-17											
1.2.1. Organization of the BMB Wildlife Disposition Committee	no. of meetings organized	1	1	1	1				1		
	no. of meeting minutes prepared	1	1		1				1		
1.2.2. Disposition of rehabilitated animals											
1.2.2.1. Assessment of proposed release site	no. of release sites assessed	1	1	1	1		1	1	1		
	no. of reports submitted	1	1	1	1		1		1		
1.2.2.2. Release of rehabilitated animals to the natural habitat	no. of animals released		60	30	30		1	49	105		
	no. of reports submitted	1	1	1	1			3	58		
1.2.2.3. Post release monitoring	no. of reports submitted	1	1	1	1				1		
	loan/donation instrument approved										
	no. of animals disposed through loan/donation										
1.3. Turn-over of animals to accredited wildlife facilities through loan or donation loan or donation	no. of animals disposed through loan/donation										
1.4. Monitoring of DENR-accredited wildlife facilities holding wildlife from WRC either thru loan or donation	no. of monitoring reports submitted	1	2	2	3	1		2	2		
2. Monitoring of Regional and Designated WRCs	No. of regional and designated WRCs monitored with reports submitted		3	4	3		3	5	1		

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
3. Hiring of COS	No. of staff hired			2	2			2	2		
4. Support to Wildlife Enforcement in Region 1 (for downloading it R1)					1			1			
II. Wildlife Diseases											
	1. Wildlife Diseases Surveillance	no. of sampling sites surveyed with reports submitted	1		1			1			
2. Mobilization of zoonosis Committee	minutes of meeting prepared		1	1	1		1	1		1	
III. Capacity Building											
	1. Conduct of capacity-building on wildlife conservation and law enforcement	No. of capacity building conducted with report submitted			1				1		
1.1. Training of trainers for Regional Training Pools (c/o WILDEAP)											
2. Wildlife Conservation and Management Species Identification and Management Techniques Sessions on Insects and Plants (c/o WILD EAP and d2)	Training conducted with report submitted				1	1	1				
3. Conduct of Training on Identification of Wildlife Products and Derivatives (Focusing on Reptile Skins) & Techniques on Monitoring of Breeding Facilities (c/o CEPNIS and WMF)	Training conducted with report submitted				1				1		
4. Stop Illegal Wildlife Campaign in airports and seaports	No. of airport/seaport campaigns conducted			4				3	1		
	Report submitted			3	1			3	1		
- Dalahican Seaport (c/o WMF)											
- Laoag Airport (c/o WMF)											
- Bohol Airport and Seaport (c/o WILD EAP)											
- Subic Airport and Seaport (c/o WMF)											
IV. National Wildlife Rescue and Research Center (NWTRC) Operation											
	1. Animal Food/Medicines/etc	supplies procured									
2. Laboratory/Animal Hospital Equipment	equipment procured	1				1					
V. Compliance with Regional and International Commitments/Agreements/Partnerships											
	1. Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)										
1.1. Annual inventory of government stockpile of Ivory	Inventory mobilized	1				1					
	Ivory inventory report submitted to the CITES Secretariat	1				1					

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
1.2. Submission of CITES-related reports	reports submitted to CITES										
1.2.1. Annual Trade Report											
1.2.2. Annual Illegal Trade Report					1						
1.3. Conduct of Meetings/Workshops for the development of Philippines' positions on agenda items/proposals to be discussed during the CITES COP18	No. of Meetings/Workshops conducted	1	2			1	2	1			
1.4. Participation to CITES COP18 and side events	meetings attended report submitted		1		1			1	1		
1.5. Review of proposals for species' listings under the CITES	No. of proposals reviewed	2	2					4			
2. Convention on Migratory Species (CMS)											
2.1. Participation to regional and International meetings/events	meetings attended report submitted				1						
2.2. Preparation for the CMS COP13	workshop conducted		1		1			1	1		
2.3. Updating/review of accomplishments/actions on CMS resolutions adopted during COP12 with agencies and partners	workshop conducted	1			1	1		1			
2.4. Coordination of the ASEAN Flyway Network Project	No. of potential flyway network sites endorsed to the EAAPP Secretariat			1	1						
	meeting conducted			1	1			1	1		
3. Attendance to Meetings related to wildlife law enforcement and trade in compliance with Regional & International Commitments	Meetings attended Report submitted			2	2	1	1	2	2		

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
OPERATIONS											
NATURAL RESOURCES SUSTAINABLY MANAGED											
NATURAL RESOURCES CONSERVATION & DEVELOPMENT PROGRAM											
Management of Coastal and Marine Resources											
1. Coastal and Marine Ecosystems Management											
1. Plans, Policies and Standards Developed, Promoted, Monitored and Evaluated											
1.1. Technical Bulletins											
1.1.1. Drafting of Coastal and Marine Environment Damage Assessment, Response and Restoration/Rehabilitation Policy	TB developed/drafted			1						1	
1.1.2. Drafting of Coral Bleaching Response Guidelines as part of the Citizen Science Compendium	TB developed/drafted			1						1	
1.1.3. Drafting of Guidelines on PAMB Composition for Offshore MPAs	TB developed/drafted	1								1	
1.1.4. Revision/Updating of drafted policies											
1.1.4.1. Guidelines on the Establishment of Marine Protected Area Networks (MPANs)	TBs endorsed to for approval	3							2	1	
1.1.4.2. Guidelines on Coral Reef Rehabilitation in accordance to DAO 2016-26											
1.1.4.3. Clarificatory Guidelines on TB 2017-05 on the Assessment of Coastal and Marine Ecosystems											
1.2. Popularization and roll-out of policies/ guidelines developed	Learning event conducted		1	2					8		
2.2. Hands-on ARMS Outreach Program	Activity conducted (no)		3				2	2			
3. Support to Philippine RiseWest Philippine Sea Initiatives											
3.1. Philippine Rise Marine Resource Reserve - Protected Area Management Board Meetings (PRMRR-PAMBs)	No. of PAMB meetings conducted		1		1			1			
Meetings											
3.2. Management planning and consultation workshops/ Technical Working Group meetings for PRMRR	No. of management planning and consultation workshops/	1	1	1	1	5	3	2	1		

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
	TWG meetings conducted										
3.3. WPS Survey	No. of Survey conducted		1				1				
3.4. Communication, Education and Public Awareness											
Activities for WPS											
3.4.1. Fora/Symposiums/ Side Events (PAMS, MOO, MANAMO celebration) including exhibits as necessary	No. events conducted		1	1	1	1	1				1
3.4.2. Hiring of support staff for WPS (EWS and Communication Office)	No. of staff hired	2	2	2	2	2	2	2	2		2
3.5. Grande Island Reconnaissance Survey as part of PH Rise	No. of activities conducted				1						1
4. Snake Island as National Coastal and Marine Center for Research											
4.1. Operationalization of the Snake Island as Coastal and Marine Center for Research (SAA to PENRO Palawan)	Site supported	1				1					
5. Operationalization of BMB-BFAR Convergence											
5.1. Conduct of meetings/orientation/trainings related to the operationalization of the BMB-BFAR Convergence	no. of technical assistance provided		1		1	1	1	1	2		
5.2. Revision/Finalization of the Operational Plan	Operational plan finalized				1					1	
6. Coastal and Marine Related Projects											
6.1. Technical Assistance to the implementation of related projects supported by CMD (SMARTSeas PH, Maritime Archipelagic and Nation Awareness Month (MANA Mo), Marine wildlife interaction, Inter-agency TWGs on MSFR, etc)	no. of technical assistance provided	1	1	1	1	7	8	3	1		
6.2. Support to IAMB/BlueCECAM Program											
6.2.1. Sponsorship to 15th Philippine Association of Marine Science Symposium (Support to Blue Carbon Session during the PAMS '15)				1				1			
6.2.2. Conduct of Blue Carbon Citizen Science Orientation and Pilot-testing + Workshop (Scoping Exercise on the Capacity of DENR on Blue Carbon)					1				1		
6.2.3. Support Activities for the Blue Carbon Core and Network		1	2		1	2	3	3			

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
System (e.g. Training on Economic Valuation, Protocols for Below Ground Carbon Stock Estimates/Blue Carbon Determination and Policy Drafting)											
6.2.4. Conduct of Consultation Workshop on Blue Carbon Strategy			1	1						2	
6.2.5. Printing and distribution of IEC Materials			1	1	1						
6.3. Support to the implementation of BWM/AFS Convention											
6.3.1. Capacity building on the conduct of port biological survey			1	1	1			1	1		
6.3.2. Meetings/ Orientation								1	2		
7. Database Management											
7.1. Posting of CMD Updates, reports/news stories to the BMB Website	no. of articles posted to BMB Website		1	1	1	1	1	1	1		
6.2. Technical assistance on the set up of the database per region (upon request)	no. of technical assistance conducted		1	1	1	3	3		1		
6.3. Maintenance support to Database (supplies, software, parts, etc)	no. of softwares, supplies, parts maintained		2			1	1		1		
6.4. Monitoring and evaluation of database (meetings, field validation, review of reports, etc)	dbase maintained		1	1	1		1	1	1		
II. Integrated Coastal and Marine Partnerships											
1. Plans, Policies and Standards Developed, Promoted, Monitored and Evaluated											
1.1. Vulnerability Assessment	Draft policy submitted to BMB-TRC	1					1				
1.2. General Biodiversity Consideration on Area Clearance for Reclamation	Draft TB submitted to BMB-TRC				1						
1.3. Citizen Science General Policy	Draft policy submitted to TRC BMB-TRC			1							
1.4. Foreshore Policy	Draft policy submitted to TRC BMB-TRC	1				1					

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
2. CMEMP Regional Implementation											
2.1. Integrated Coastal Management	No. of meetings attended			1	1		1				
2.1.1. Coordination Meetings											
2.2. GreenFins											
2.2.1. Mainstreaming of GreenFins with other NGOs	Minutes of the meeting		1		1						
2.2.2. GreenFins Conference	Proceedings of Conference				1				1		
2.2.3. Monitoring of GF implementation in pilot sites	Monitoring report	1	1	1	1		1	2			
2.2.4. MOA with RWF for 6 years of implementation	Signed MOA	1				1					
2.2.5. Production of IEC Materials (GF Packs)	No. of packs produced	1									
2.3. Biodiversity-Friendly Enterprises											
2.4.1. Assessment and Evaluation of implementation of BDFE (Monitoring)	Activity/validation report		1	1	1		3	5			
2.4.2. BDFE Financial Assistance	Approved business proposal and progress report			1							
2.4.4. Capacity Building trainings at the BMB level and site level	No. of trainings conducted				1				3		
2.4.5. Hiring of Resource Person/Facilitator, Documenter	No. of staff hired				1				1		
3. Sulu Sulawesi Seascape											
3.1. Monitoring of the implementation of activities indicated in the MTPAN MOA (habitat survey, CEPA and validation)	Report submitted		1	1			1			1	
3.2. Establishment of a programmatic information exchange	Information exchange system	1		1						2	

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
between and among agencies (TWG including SSS Communication Strategy/ies and conduct of Management Effectiveness Assessment)	established										
3.3. Enforcement Communication and Coordination Protocol	Protocol developed			1						1	
4. Turtle Islands Heritage Protected Area (TIHPA)											
4.1. Review of documents needed for the proposed TIHPA as AHP	Report submitted		1	1	1					3	
4.2. Preparatory Meeting with Sabah Parks	Meetings conducted			1		1				1	
4.3. Participation to the TIWS PAMB Meeting - 2 persons to participate in the PAMB Meeting	Report submitted		2				1		1		
4.4. Orientation/Seminar (Preparatory transfer of TIWS to Bangsamoro and CMEIP Orientation)	Orientation/seminar conducted		1	1					1	1	
5. CEPA Activities											
5.1. Month of the Ocean	CEPA activities conducted		1				1				
5.2. Development and Printing of IEC materials			1				1				
5.3. Marine Litter											
5.3.1. Conduct of regular coastal cleanups (Including Manila Bay)		3	3	3	3	3	3	1	1	3	
5.3.2. Conduct of meetings	Meetings conducted	1	1	1	1	1	2		4		
5.3.3. Support to Manila Bay Implementation/TUTI Rehabilitation		1	1	1	1	1	1	1	1	4	
5.3.4. Support to activities for the Development of Marine Litter NPoA					1						
5.4. Support to Mangrove Summit				1					1		
6. Capacity Building											
6.1. Coastal and Marine Ecosystems Managers Capability Training and Scaling-up of the Mentorship Program	Training conducted	1			1	2					
6.1.1. Conduct of meetings for each cluster	Meetings conducted		1	1	1	1					
6.2. Printing of training modules on Coastal and Marine Managers Capability Training	Training modules printed		1								
6.3. Internal Capacity Strengthening ex. Facilitation, Participatory Management and Planning, GAD Mainstreaming, Spatial and Management Planning, M and E and Learning Training, Policy	Training conducted	1		2	2	1		2			

Department: ENVIRONMENT AND NATURAL RESOURCES
Agency: OFFICE OF THE SECRETARY (OSEC)
Operating Unit: BIODIVERSITY MANAGEMENT BUREAU
Program/Project/Activity: Management of Coastal and Marine Resources

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
development											
7. Coral Triangle Initiative											
7.1. CTI-CFF National Plan of Action (NPOA) (dissemination/ implementation/ oversee)	NPOA disseminated			1							
7.2. CTI-CFF Regional Plan of Action Implementation (ex. Working Groups on Seascapes, Threatened Species, EAFM, etc.)	No. of participants attended the SOM and report submitted				2						
7.3. Attendance to 15th SOM	No. of participants attended				12						
7.4. Attendance/hosting CTI CFF SOM/Working Group/TWG Regional Exchanges/Meetings	No. of participants attended the SOM and report submitted										
7.4.1. Seascope Working Group Regional Exchange and Meeting			2		2						
7.4.2. Threatened Species Working Group Regional Exchange and Meeting			2								
7.4.3. EAFM Working Group Regional Exchange and Meeting			2								
7.4.4. MPA Working Group Regional Exchange and Meeting			2		2						
7.5. Operations of National CTI Coordinating Committee	Minutes of NCC and TWG meetings prepared and submitted	2	3	3	2	4	2				
7.6. CTI Awareness Campaign (CTI Day)	Special events organized		1				2				
7.7. Hosting of Climate Change Adaptation meeting	Proceedings, reports (with analysis) submitted			1							
7.8. Women's Leadership Forum	Proceedings, reports (with analysis) submitted			2							
7.9. National Convergence Initiative											
7.9.1. Attendance to Meetings, consultations, Workshops etc	Reports (with analysis) submitted		1		1	2	1				
7.9.2. Hosting of Meetings, consultations, Workshops etc	submitted			1			1				
III. Direct CMEMP Activities/Regular Operations											
1. Support to the Regional CMEMP Activities (CEO additional up to 20%, TA, etc.)	Selected habitat assessments activity contracted		1	1	1						
2. Learning Event on the Identification, Survey and Counting Techniques for Waterbird	No. of Learning Event conducted				1				1		

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET								ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter						
3. Ramsar Site Manager's Meeting cum Workshop	No. of meeting cum workshop conducted														
4. Support to additional NIPAS MPAs legislated under E-NIPAS (Ticao-Burias Pass PS)	No. of E-NIPAS sites operations supported		1							3					
5. Support to Carrying Capacity Activities within NIPAS MPAs															
5.1. Support to Carrying Capacity study in El Nido (Funding for assessment, CEO provision, Regional support)	No. of accomplishment reports submitted		1									1			
5.2. Attendance to the mentoring training, meetings, consultations, and monitoring on CarCap Activities	No. of reports submitted		1	1				2							
6. Attendance to the IPAF Coaching	No. of Workshops attended			3	3			2			2	2			
7. Development of Dugong and Marine Turtle Conservation Plan	No. of Conservation Plan developed				1								1		
8. Conduct of Legislator's Forum	Forum conducted			1								1			
9. Support to NIPAS BAMS Implementation (consultant hiring)	BAMS activity supported			3	3										
9.1. Implementation of NIPAS BAMS					1										
10. Strengthening of National Social Marketing Strategies of CMEEMP (Communication, Advocacy and Partnership Building) (Outsource, meetings, consultations)	Signed CMEEMP Communication Plan and draft MCAs/MOUs with partners		2	1											
11. Preparatory activities for the State of the Coastal and Marine Biodiversity of the Philippines publication (consultations, writeshops, verification workshops, etc.)	Preparatory activities conducted with process documentation		1		1										
12. Support to the 5th Cycle of the PM TMEM Scholarship (Complete Scholarship package including attendance of DENR Staff and other related activities such as meetings, etc.)	No. of scholars enrolled	6						5							
13. Support to the 4th Cycle of PM TMEM Scholars - Special Problem (6 Scholars)	Support provided	1						1							
14. Payment for the PM TMEM Scholarship 4th Cycle's Last Tranche	Payment provided	1						1							
15. Support to the Verde Island Passage Framework Implementation	Support provided	1	1	1	1	1	1	2	1						

PROGRAM/ACTIVITY/PROJECT (ex. Valuation)	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
16. Conduct of, support to and attendance to national preparatory workshops, trainings, conferences, learning events, TWG Meetings, Re-echoing Workshop (e.g. DFA-related concerns, ASEAN, Ramsar, SSS, CBD, CMS, ICRI, APEC, AHP, EBSA, BBNJ, PROCOAST, South China Sea-SAP BMB-BFAR Convergence, CMEMP Assessment, BMB Assessment, DENR Assessment, PAMS, Manila Bay Rehabilitation, etc)	No. of events organized/ attended with corresponding reports (with analysis)	1	1	2	1	2		2	1		
17. Conduct of, support to and attendance to international and regional meetings, workshops, conferences, conventions, learning events, and preparation of national reports for MEAs (e.g. CTI Working Group, TWG and TAG Regional Meetings, PH JMC-TIHPA, BIMP-EAGA Cluster Meeting, TIWS PAMB Meeting, AWGCAE, South China Sea-SAP, World Ocean, CBD, ASEAN, Ramsar, SSS, CBD, CMS, ICRI, APEC, BBNJ, UN, IYOR, etc.)	No. of events organized/ attended with corresponding reports (with analysis)					5	1	0	0		
18. Harmonization Workshop with NPD and CAVED	Workshop conducted	1				1					
19. Diving refresher course	Training conducted			2	1			2	3		
IV. Monitoring and Evaluation											
1. Regular Monitoring of Implementation of CMEMP in 2019	Monitoring conducted	1	1	20							
2. National CMEMP Implementation Assessment Workshops	Assessment workshop conducted				1						
3. Support to wetlands activities, NAP operations and Office of the Director	Activities undertaken		2	2							
V. Program Support											
5.1. Hiring of Staff											
5.1.1. Database Management Specialist	Staff hired	1	1	1	1	1	1	1	1		
5.1.2. Assistant Program/Project Coordinator	Staff hired	1	1	1	1	1	1	1	1		
5.1.3. GIS Specialist	Staff hired	1	1	1	1	1	1	1	1		
5.1.4. IEC Officer	Staff hired	1	1	1	1	1	1	1	1		
5.1.5. Monitoring Officer	Staff hired	2	2	2	2	2	2	2	2		
5.1.6. Environmental Management Specialist	Staff hired	4	4	5	5	4	4	4	5		
5.1.7. Project Operations Control Officer	Staff hired	1	1	1	1	1	1	1	1		
5.1.8. Financial Management Officer	Staff hired	1	1	1	1	1	1	1	1		
5.1.9. Budgeting Assistant	Staff hired	1	1	1	1	1	1	1	1		
5.1.10. Project Support Officer	Staff hired	1	1	1	1	1	1	1	1		
5.1.11. Hiring of Librarian	Staff hired		1	1	1			1	1		

Program/Project/Activity: Management of Coastal and Marine Resources

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
5.1.12. Communication Specialist	Staff hired	1	1	1	1	1	1	1	1		
5.1.13. Administrative Assistant	Staff hired	1	1	1	1	1	1	1	1		
5.1.14. Data Encoder	Staff hired	1	1	1	1	1	1	1	1		
5.1.15. Record Management Assistant	Staff hired	1	1	1	1	1	1	1	1		
5.1.16. Diver	Staff hired	1	1	1	1	1	1	1	1		
5.1.17. Driver	Staff hired	1	1	1	1	1	1	1	1		
5.1.18. Contract of Service for Wildlife and Ninoy Aquino Parks and Wildlife Center	Staff hired			3	3			3	3		
5.2. Repair, Maintenance, Upgrading/Updating of Equipment	No. of equipment repaired, maintained and upgraded and softwares purchased		1				1				

Department: ENVIRONMENT AND NATURAL RESOURCES
 Agency: OFFICE OF THE SECRETARY (OSEC)
 Operating Unit: BIODIVERSITY MANAGEMENT BUREAU
 Program/Project/Activity: Natural Resources Assessment

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	TARGET				ACCOM				Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
OPERATIONS											
ADAPTIVE CAPACITIES OF HUMAN COMMUNITIES AND NATURAL SYSTEMS IMPROVED											
ENVIRONMENTAL AND NATURAL RESOURCES RESILIENCY PROGRAM											
NATURAL RESOURCES ASSESSMENT											
Forest Cover Change Analysis and Mapping											
1. Support to the Mapping of Forest Formations in selected Priority Protected Areas	No. of PAs supported, assessed and mapped with forest formations identified		2		2		2				
2. Capacity Building											
2.1. Training on Species Distribution Modeling	Training conducted	1				1					
2.2. Training on Remote Sensing For Detecting and Classifying Forest Formation Types	Training conducted	1				1					
2.3. Training on Ground Truthing through Flora and Aerial Surveys for Forest Formation	Training conducted		1				1				
2.4. BMS and LAWIN Integration Workshop	Workshop conducted				1						

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