



Republic of the Philippines

Department of Environment and Natural Resources

BIODIVERSITY MANAGEMENT BUREAU

Ninoy Aquino Parks and Wildlife Center

Quezon Avenue, Diliman, Quezon City

Tel. Nos.: (632) 924-6031 to 35 Fax: (632) 924-0109, (632) 920-4417

Website: <http://www.bmb.gov.ph> E-mail: bmb@bmb.gov.ph

JUL 03 2018

MEMORANDUM

FOR : The Undersecretary for Policy, Planning and International Affairs

ATTN : The Assistant Secretary for Policy and Planning Service

The OIC-Assistant Secretary for Staff Bureaus

The Director, Policy and Planning Service

The Chief, Program Monitoring and Evaluation Division

FROM : The OIC-Director

SUBJECT : **SUBMISSION OF ACCOMPLISHMENT REPORT FOR THE
SECOND QUARTER OF 2018**

We are pleased to submit the Quarterly Accomplishment Report of the Biodiversity Management Bureau from the month of April to June 2018.

For your information and record.


CRISANTA MARLENE P. RODRIGUEZ



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

**Accomplishment Report
2nd Quarter CY 2018**

A. INTRODUCTION

The Biodiversity Management Bureau (BMB), as the lead agency tasked to conserve biodiversity, is mandated to conserve and protect the country's biological diversity, and sustainably manage and conserve the important resources and ecosystem services they provide. The Bureau is tasked to formulate and recommend policies and programs which will strengthen the implementation of the National Integrated Protected Areas System (NIPAS) and other effective area-based conservation measures; and mainstreaming of biodiversity across local, sectoral and national development plans and programs.

B. ACCOMPLISHMENTS

Based on the approved BMB Work and Financial Plan for CY 2018, the Bureau was able to accomplish the following major activities for the months of April to June 2018:

I. Formulation/Preparation/Review of Policies and Guidelines

A. Policies/Guidelines approved:

- Presidential Proclamation No. 489 Declaring a portion of the Philippine Rise situated within the Exclusive Economic Zone of the Philippine Sea, North Eastern Coast of Luzon Island as Marine Resource Reserve pursuant to Republic Act (RA) No. 7586, or the National Integrated Protected Areas System (NIPAS) Act of 1992, to be known as the Philippine Rise Marine Resource Reserve
- approved by the President of the Philippines last May 15, 2018
- DENR Administrative Order No. 2018-05 re: Addendum to DENR Administrative Order No. 2007-17 on the Rules and Regulations Governing Special Uses within Protected Areas
- approved by the DENR Secretary last March 15, 2018
- DENR Memorandum Circular No. 2018-02 re: Additional List of Classified Caves and Erratum of certain portion of Section 3 of DMC 2016-05
- approved by the DENR Secretary last March 1, 2018
- DENR Memorandum Circular No. 2018-04 re: Adopting the Protocol on the Loan of Philippine Eagle
- approved by the DENR Secretary last May 4, 2018
- BMB Technical Bulletin No. 2018-01 re: Clarifying the Procedures in the Identification, Designation and Delineation of Management zones of Protected Areas under the NIPAS

- approved by the Director last April 06, 2018

- BMB Technical Bulletin No. 2018-02 re: Procedures in the Conduct of Assessment of Urban Biodiversity
- approved by the Director last April 11, 2018

B. Endorsed the following policies/guidelines:

- Proposed House Bill for the Amendment of Republic Act No. 9147 "Wildlife Resources Conservation and Protection"
- endorsed to the House of Representative through the Committee on Natural Resources last March 28, 2018. The said House Bill was also forwarded to the Assistant Secretary for Legal and Legislative Affairs of the DENR.

C. Drafted the following policies/guidelines:

- Draft Technical Bulletin on the Establishment of Marine Protected Area Network
- Draft Technical Bulletin on Critical Habitats

D. Evaluated and provided comments and recommendations on the following policies/guidelines/proposals/Bills:

- Guidebook for the Development of a PAMB Manual of Operations by COSERAM Project
- Draft ASEAN Guidelines on Mainstreaming Biodiversity across Relevant Sectors through Biodiversity-based Value Chain;
- Draft DAO revising the Guidelines on the Issuance of Area Clearance for Reclamation Projects and Proclamation/Special Patents over Reclaimed Lands;
- Draft Executive Order regarding Inter-Agency Coordinating Committee of Marine Conventions (ICCIMC) Technical Working Group;
- Omnibus Implementing Rules and Regulations (IRR) for Visiting Forces
- Proposed MOA between the DENR and the Provincial Government of Cavite re Proposed Co-Management of the Mts. Palay-Palay Mataas na Gulod PL
- Proposal entitled "Developing Biodiversity Conservation Strategies in Globally Important Areas: Panglima Sugala, Tawi Tawi, Philippines"
- Proposal of PRA to modify the Proclamation of LPPCHEA;
- Provincial Resolution No. 13572, S. 2018 requesting the DENR and LGUs to undertake measures to limit entries of tourists in El Nido;

- Provincial Resolution No. 13591, S. 2018 supporting the initiative of the DENR to monitor the strict compliance to environmental laws and standards by tourism establishments in El Nido;
- Resolution No. 03-72-2017 of Central Luzon Regional Development Council endorsing the inclusion of Dipaculao WFR in the NIPAS;
- House Bill Nos. 7229, 7183, 7352, 7198, 7209, 4927, 842, 2145, 2877, 3247, 4808, 5512, 6884, 6885, 7022, 6772, and 5108; and, Senate Bill Nos. 1717 (Bangsamoro Basic Law) and 1444.

II. Establishing and Managing Protected Areas

- Provided clarification to Congressman Cesar regarding the establishment of Catanduanes Natural Park through letter dated April 25, 2018;
- Evaluated the PA Suitability Assessment (PASA) from the following:
 - PASA Report of Magapit Protected Landscape (MPL)
 - PASA report of Sibuyan MSFR
- Reviewed the following PAMB appointments and endorsed to the Secretary:

<ul style="list-style-type: none"> ○ Casecnan PL ○ Dupax WFR ○ Palaui Island PLS ○ Baua and Wangag WFR ○ Salinas NM ○ Tumauini WFR ○ Peñablanca PLS ○ Northern Sierra Madre NP ○ Basilan NBA ○ Abasig-Matogdon ○ Mananap NBA ○ Bicol NP ○ Bulusan Volcano BP ○ Catanduanes WFR ○ Juban Magalanes WFR ○ Lagonoy NBA ○ Chocolate Hills NM 	<ul style="list-style-type: none"> ○ Libmanan Caves NP ○ Alibijaban WFR ○ Hinulugang Taktak PLK ○ Maulawin Spring NP ○ Mt. Banahaw-San Cristobal NP ○ Mts. Palay-Palay ○ Mataas na Gulod PL ○ PP 1636 ○ Quezon PL ○ Upper Marikina River Basin PL ○ Alabat WFR ○ Binahaan River WFR ○ Buenavista PL ○ Kaliwa WFR 	<ul style="list-style-type: none"> ○ Mulanay WFR ○ Pamitinan Caves PL ○ Taal Volcano PL ○ Northern Negros NP ○ Paoay Lake NP ○ Sta. Lucia PL ○ Lidlidda PL ○ Guiuan NRPLS ○ Cuatro Islas PLS ○ Camotes Island MSFR ○ Tañon Strait PS ○ Bantayan WA ○ Lake Danao NP ○ Liangan-Larapan River MSFR ○ Infanta Real WFR ○ Rajah Sikatuna PI
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- PAMB appointments signed by the Secretary and endorsed to Regions:
 - Tañon Strait PS
 - Guadalupe Mabugnao Mainit Hot Spring NP
 - Apo island PLS
 - Balinsasayao Twin Lakes NP
 - Cuatro Islas PLS
 - Upper Agno River Basin RR
 - Lower Agno WFR

- Reviewed the following PAMB Resolutions:
 - Mt. Hamiguitan Range WS Management Board Resolution No. 2017-12 (Guidelines for Trekking, Mountaineering and other Activities in MHRWS)
 - Jose Rizal Memorial PL PAMB Resolution No. 2017-007
 - Jose Rizal Memorial PL PAMB Resolution No. 2017-008
 - Jose Rizal Memorial PL PAMB Resolution No. 2017-009
- Reviewed the PAMB Minutes of Meeting of the following Protected Areas:
 - 2nd Regular PAMB Meeting in Quezon PL
 - 2nd Regular Meeting of Maulawin Spring PL Management Board
 - PAMB Meeting in Banagn Hill NP
- Endorsed/reviewed the Special Budget Request (SBR) of the following Protected Areas:

○ Tañon Strait PS	○ Mt. Pulag NP
○ BMB request for Central IPAF	○ Mt. calavite WS
○ Mt. Kanlaon NP	○ Mt. Apo Natural Park
- Reviewed the IPAF Collection reports of the following Protected Areas:

○ Mainit Hotspring PL	○ Siargao Island PLS
○ Mabini PLS	○ Baliangao PLS
○ Sarangani Bay PS	○ Mt. Malindang Range NP
○ Catanduanes WFR	
- Reviewed the SEAMS/SRPAO report of the following Protected Area:
 - Calsanag WFR
 - Quirino PL
 - Mt. Mantalingahan PL
 - Northern Sierra Madre NP-Divilican Watershed
 - Agoo-Damortis PLS
 - Mt. Mantalingahan PL
 - Marinduque WS
 - Naujan Lake NP
- Reviewed/Acted on the following MOA/SAPA:
 - Application for SAPA / MOA of Barcelona Port Services Corporation within Tañon Strait Protected Seascape;
 - Inquiry on the status of the Special Use Agreement within Protected Areas (SAPA) by DENR Region 11;
 - Cauayan Island Resort Phil. Inc. SAPA/MOA application
 - Draft MOA between DENR and Phil. Gold Processing & Refining Corporation
- Reviewed and provided comments on the PACBRMA Application of Tanap-Agaga Protected Area Burgos Developers Association (TAPABURDA) within Tanap WFR
- Evaluated the Ecotourism Development report of the following Protected Areas:
 - Biak-na-Bato NP
 - Caramoan NP
 - Aliwagwag PL

- Mt. HAmiguitan Range WS
- Pujada Bay PLs
- Mati PL
- Monitored the NIPAS implementation of the following Protected Areas:
 - Mt. Matutum PL
 - Sarangani Bay PS
 - Upper Agno River Basin RR
 - Mt. Pulag NP
- Conducted the following Learning Events/Trainings:
 - 3rd Batch of the Trainer's Training on SEAMS last April 3-5, 2018;
 - 3rd Batch of Learning Event on Management and Investment Planning in Protected Areas last April 17-19, 2018;
 - 1st Batch of the Learning Event on PA Policies last April 23-28, 2018;
 - 2nd Batch of the Learning Event on PA Policies last May 7-12, 2018;
 - 3rd Batch of the Learning Event on PA Policies last June 4-9, 2018.
- The ENIPAS Act was approved during the Bicameral Conference last March 14, 2018 and is currently with the Office of the President for approval. The Act aims to amend, thereby strengthening, Republic Act No. 7586, otherwise known as the NIPAS Act of 1992. This will hasten conservation efforts with the legislation of 94 protected areas covering 3M hectares in various parts of the country, conserve the biodiversity thriving in these areas, and serve also as 'carbon sink' which is critically important in the global efforts to mitigate climate change.

III. Cave Management and Conservation Program

- Monitored caves within Region 4A such as Kaping Cave and Lawige Cave both of which are classified as Class 1 located at Tayabas, Quezon. Another in Region 6 located within the Island of Boracay namely Darkside of Paradise was monitored;
- The Bureau conducted the Learning Event on Basic Caving, Survey and Mapping and Cave Photography (Caving 101) for Luzon Cluster held on April 23-27, 2018 in Tayabas, Quezon.



The consultation-workshop was participated in by 53 participants from the DENR Regional and Field Offices, members of the National Cave Committee (NCC) and BMB personnel.

- The Bureau, in partnership with the Philippine Speleological Society Inc., the Provincial Government of Albay (PGA), and the Municipal Government of Jovellar, successfully concluded the 18th National Cave Congress with the theme, "Synergy: Harmonizing Efforts towards Sustainable Cave, Karst and Risk Management" held at the Legazpi City Convention Center from May 1 to 5, 2018. Basic caving, cave mapping, cave management, single rope technique and cave rescue were discussed in the Congress and practical applications were conducted in the caves of Jovellar, Albay.

IV. Wetland Conservation and Management Program

The Bureau participated in the meeting regarding the finalization of the Ramsar Resolution on promoting the conservation and wise use of intertidal wetlands and ecologically associated habitats last April 17, 2018.

V. Urban Biodiversity Conservation and Management Program

A Roundtable Discussion on Mainstreaming Biodiversity in Urban Setting was conducted by the Biodiversity Management Bureau on May 29, 2018, at the Microtel by Wyndham, UP Technohub, Quezon City. It aimed to (1) raise awareness on the City Biodiversity Index and its importance in assessing biodiversity in urban setting; (2) provide a venue for sharing expert opinions on biodiversity in urban areas and efforts at mainstreaming into development planning and practice; and (3) initiate discussion towards a more comprehensive program on urban biodiversity.



Key points that were emphasized included the importance of engaging academic and research institutions in the floral and faunal assessment, the consideration of the idea of clustering of settlements in urban areas or metropolitanization, the call

to LGUs to craft their own biodiversity action plan that mirrors the Philippine Biodiversity Strategy and Action Plan (PBSAP), and the establishment of connectivity through corridors among fragmented plots.

Some of the challenges raised were the integration, and mainstreaming of biodiversity in the plans and programs of LGUs and other institutions, the transformation of streetscapes and walkways to support pedestrian activities like cycling was also viewed as an emerging challenge for the LGUs.

Among the suggested resolutions include the creation of Urban Biodiversity Network, development of protocol for urban biodiversity assessment, and baselining for biodiversity in urban areas.

VI. Conservation of Threatened Wildlife

The Bureau was able to continuously monitor and provide guidance to Regional Offices in the conservation and management of threatened species, i.e. marine turtle, dugong, Philippine raptors. The Bureau also provided assistance in addressing the technical and administrating concerns of the Palawan Wildlife Rescue and Conservation Center (PWRCC) – Crocodile Farming Project, and the National Wildlife Rescue and Rehabilitation Center (NWRRC).

A. Wildlife Regulation and Enforcement

- **Animal Care and Maintenance**
 - The Wildlife Rescue Center (WRC) serves as a temporary refuge and rehabilitation facility for confiscated, turned-over, donated and/or abandoned wildlife. For the months of April to June 2018, WRC received a total of 417 different animals, to wit: 14 mammals (5 retrieved), 345 birds (1 retrieved, 335 confiscated), 57 reptiles (2 retrieved), and 1 arthropod.

Health assessment was done on the following animals:

Date conducted	Animals	No. of heads	Activities undertaken
April 11, 2018	Black palm cockatoo	16	Collection of choanal and cloacal swabs for fungal and bacterial isolation; oropharyngeal swab for AI test
April 12, 2018	Emu (Cassowary)	1	Collection of choanal and cloacal swabs for fungal and bacterial isolation
April 14, 2018	Rainbow lory	4	Given vit. B-complex; deworming
	Black capped lory	11	
April 18, 2018	Crested serpent eagle	9	Collection of choanal and cloacal swabs for fungal and bacterial isolation; oropharyngeal swab for AI test; given vit. B-complex; deworming
April 24, 2018	Crested serpent eagle	10	Collection of choanal and cloacal swabs for fungal and bacterial isolation; oropharyngeal swab for AI test; given vit. B-complex; deworming; delousing
April 25, 2018	Crested serpent eagle	5	Collection of choanal and cloacal swabs for fungal and bacterial isolation; oropharyngeal swab for AI test; given vit. B-complex; deworming; delousing
April 30, 2018	Reticulated python	2	Given vit. B-complex; deworming; marking (microchip): D-2018-136 B: 985140000521746
May 3, 2018	Crested serpent eagle	4	

Date conducted	Animals	No. of heads	Activities undertaken
	Changeable hawk eagle	1	Given vit. B-complex; deworming; Collection of choanal and cloacal swabs for fungal and bacterial isolation; oropharyngeal swab for AI test
	Ring neck pheasant	1	
May 5, 2018	Palm civet	1	Given vit. B-complex; anti-rabies vaccine; leptospirosis vaccine; deworming; marking (microchip): D-2018-093/985140000522182
May 7, 2018	Umbrella cockatoo	1	Given vit. B-complex; deworming; deloused; Collection of choanal and cloacal swabs for fungal and bacterial isolation; oropharyngeal swab for AI test
	Blue-backed parrot	1	
	Blue-naped parrot	2	
	Brahminy kite	9	
	Philippine hawk eagle	1	
May 16, 2018	Brahminy kite	12	Given vit. B-complex; deworming; Collection of choanal and cloacal swabs for fungal and bacterial isolation; oropharyngeal swab for AI test
	Monitor lizard	1	Given vit. B-complex; deworming; marking (microchip): D-2018-144/985140000449025
	Reticulated python	2	Given vit. B-complex; deworming; marking (microchip): D-2018-143/985140000398015
May 19, 2018	Reticulated python	2	Given vit. B-complex; deworming
May 30, 2018	Brahminy kite	11	Given vit. B-complex; deworming; deloused; Collection of choanal and cloacal swabs for fungal and bacterial isolation; oropharyngeal swab for AI test
May 31, 2018	Brahminy kite	2	Given vit. B-complex; deworming; deloused; Collection of choanal and cloacal swabs for fungal and bacterial isolation; oropharyngeal swab for AI test
	Tarctic hornbill	1	
	Ring necked dove	2	
	Philippine eagle owl	1	
	Cassowary	3	Given vit. B-complex; deworming; Collection of choanal and cloacal swabs for fungal and bacterial isolation; oropharyngeal swab for AI test
June 19, 2018	Brahminy kite	3	Given vit. B-complex; deworming; collection of choanal and cloacal swabs for fungal and bacterial isolation; oropharyngeal swab for AI test
	White bellied sea eagle	6	Collection of choanal and cloacal swabs for fungal and bacterial isolation

Specimen samples were collected for DNA analysis/barcoding on the following animals:

Date conducted	Animals	No. of heads	Activities undertaken
April 11, 2018	Black palm cockatoo (C-2018-087)	16	Blood sample collected from wing vein
April 12, 2018	Osprey (D-2018-123)	1	Blood sample collected from wing vein
April 18, 2018	Crested serpent eagle	9	Blood sample collected from wing vein
May 22, 2018	Eurasian tree sparrow	4	Feather samples were taken
	Pacific swallow	1	Feather samples were taken
	White-collared kingfisher	2	Feather samples were taken
	Common rousette (<i>Rousettus amplexicaudatus</i>)	14	Wing membrane samples were taken (biopunch)
	<i>Cynopterus sp.</i>	3	
	Greater musky fruit bat (<i>Ptenochirus jagori</i>)	6	
May 23, 2018	Eurasian tree sparrow	3	Feather samples were taken
	Yellow-vented bulbul	1	Feather samples were taken
May 24, 2018	White-collared kingfisher	1	Feather samples were taken
	Yellow-vented bulbul	1	Feather samples were taken
	Eurasian tree sparrow	2	Feather samples were taken
	Common rousette (<i>Rousettus amplexicaudatus</i>)	5	Wing membrane samples were taken (biopunch)
	Lesser short-nosed fruit bat (<i>Cynopterus brachyotis</i>)	13	
	Greater musky fruit bat (<i>Ptenochirus jagori</i>)	3	
	<i>Myotis horsfieldii</i>	1	
NOTE: The above said animals were caught during the Urban Biodiversity Assessment/ Program			

- **Animal Inventory**

- For the second quarter of 2018, WRC recorded 242 animal mortalities, to wit: 30 mammals, 83 birds (1 new stocks), and 129 reptiles (1 new stocks)
- As of March 31, 2018, WRC houses a total of 1,453 different animals, broken down as follows: 24 arthropods, 230 mammals, 713 birds and 486 reptiles.

- **Support to Academic Enhancement Program**

The BMB-WRC sustained its support to various academic institutions especially in enhancing the knowledge and skills of their students in veterinary care and captive wildlife management. For the report period, the BMB-WRC accommodated the following practicum students, as follows:

University/School	No. of students	Covered Period
NEU	1 Biology student (cont.)	April 6, 9-10, 13, 14-15, 2018
HEDCen	2 Grade 12 students (cont.)	April 2, 4, 2018
NVSU	2 Vet Med students (cont.)	April 1-6, 2018
	1 Vet Med students	April 9-13, 15-20, 2018
CSU	4 Vet Med students (cont.)	April 1-6, 2018
	3 Vet Med students	April 9-13, 16-21, 2018
	4 Vet Med students	April 23-30, 2018
UPLB	5 Vet Med students	April 3-7, 2018
	5 Vet Med students	April 10-14, 2018
	5 Vet Med students	April 17-21, 2018
	4 Vet Med students	April 24-28, 2018
CSU	4 Vet Med students (cont.)	May 1-3, 2018
UPLB	6 Vet Med students	May 2-5, 8-12, 2018
	1 Vet Med student	May 14, 2018
	1 Vet Med student	May 16, 2018
	6 Vet Med students	May 19, 2018
PUP	3 Biology students	May 1-4, 7-16, 2018
	1 Biology student	May 3-5, 7-15, 2018
	6 Biology students	May 15-19, 21-24, 26, 28, 2018
RTU	1 Biology student	May 15-19, 21-23, 26, 28, 2018
PUP	6 Biology students (continuation)	June 4-9, 11, 13, 2018
PLM	5 Biology students	June 4-8, 10, 12-13, 15-21, 23-25, 2018
BulSU	3 Biology students	June 18-22, 25, 2018
FEU	6 Biology students	June 18, 20, 22-25, 2018

B. Wildlife Research Partnership Programs/Projects

- Approved the 4th renewal of the MOA between DENR-BMB and the Philippine Eagle Foundation for the "Conservation of Philippine Eagle" project on April 25, 2018;
- Drafted the MOA between DENR-BMB and LAMAVE-MWWP for the Project Proposal entitled, *Collaborative Project to Enhance Marine Turtle Knowledge and Conservation in the Philippines*.

C. Wildlife Disposition

- Animal keeper, Mr. Glenn Morales, conducted a post-release monitoring on the Philippine eagle released on October 4, 2017 in Aurora Memorial National Park and

assist in the replacement of the battery pack of the tracking devices attached to the said eagle on April 9-13, 2018;

- Released a total of seventy-nine (79) different species of birds in Angat Watershed, Norzagaray, Bulacan on June 19, 2018.

D. Wildlife Regulation and Enforcement

- For the second quarter of 2018, the Bureau processed a total of 187 CITES permits (export=136; re-export=19; import=32) generating a total income of ₱418,566.80;

- Gratuitous Permits (GP)

a) Wildlife GP No. 275 approved on 20 February 2018

Title of Research: "Biodiversity Research, Education Outreach, and Conservation Genetic of Philippine Amphibians, Reptiles and Invertebrates; "Cultivation of Rafflesia for Ex-situ Conservation"

Holder: Dr. Jeanmaire Molina

Assistant Professor

Long Island University, Brooklyn, New York

b) Wildlife GP No. 276 approved on 23 April 2018

Title of Research: To collect fallen senescent leaves of mangrove species

Holder: Regina Belen P. Callanta

MS Student

UST Graduate School

c) Wildlife GP No. 277

Title of Research: "Alien amphibians, a threat to Philippine Biosecurity horizon scanning of potential invasive amphibians and ecological niche modeling of alien frogs"

Holder: Arman Pili

MS Biology

UST Graduate School

d) Wildlife GP No. 278

Title of Research: "Biodiversity Conservation and Monitoring Program (BCMP)"

Holder: Atty. Allan V. Barcena

Manager, Watershed Department

Energy Development Corporation (EDC), Taguig City

E. Other Accomplishments

- Conducted a facility inspection and monitoring of loaned animals at Manila Ocean Park (MOP) on April 17, 2018;

- Participated in the Annual Tamaraw Population Count in Mts. Iglit-Baco National Park, Occidental Mindoro on April 16-22, 2018;
- Assisted in the Avian Influenza (AI) surveillance at the LPPCHEA from April 19-26, 2018;
- Assisted in the conduct of assessment of the animals maintained at the Maasin Zoo and Adventure Park in Maasin Zoo on May 9-11, 2018
- Conducted the 20th Philippine Eagle Week Celebration at Manila Ocean Park (MOP) which also includes the signing of the renewal of Wildlife Loan Agreement (WLA) between BMB and MOP regarding the loaned Brahminy kites on June 9, 2018;
- Conducted enclosure/s inspection for the palm civets intended for loan to Ocean Adventure on June 18, 2018.

VII. Coastal and Marine Ecosystems Management Program

A. CMEMP Database

A meeting was conducted last April 20, 2018 at Computational Science Research Center in UP to present the functionality of PHILCOMARS and CORVA database and an agreement is going to be initiated to integrate all these database (CMEMP Database, Philcomars and Corva) whereas the front entry of data will be at CMEMP database and will be displayed to all other databases.

Phase 1 development of the CMEMP online database application is already at 100%. The database was presented and pilot tested in CARAGA region last May 2-4, 2018 before roll-out to all regions. DENR Regional Offices and LGUs participated in the conduct of assessment and monitoring on the field. The objective of the training was to: (1) Check the functionalities of the database; (2) find errors, bugs and fixes; (3) assess if there are needed to be adjust in the data flow of the system (Particularly in submitting result of assessment from LGU to REGIONAL to BMB Central Database System).

Furthermore, a series of coordination and consultations were done with the Central Office KISS Network Infrastructure Management Division to configure the host server to match the functionality and needs of the database, some of it is to change access links and increase upload_max_filesize, Post_Max_Size and other backend or server side parameters for the uploading of maps and photos to the database.

B. Coral Assessment for Rehabilitation Enhancement: Capability Development and Resiliency of Ecosystems (CARE-CaDRES)

The Project was able to conduct the following learning events:

Title of Training	Date of Learning Event	Venue
Training on Law Enforcement for Marine Protected Areas	April 8-12, 2018	UP Diliman
Science Communication Training	April 23-29, 2018	CEC, UP Los Baños

Title of Training	Date of Learning Event	Venue
Training on Sustainable Financing	May 2-5, 2018	UP Diliman
4th Formation and Organization Workshop : Drafting of MOA and Finalization of the BRING Strategic Plan	May 2-5, 2018	Dohera hotel, Cebu
Training on Strategic Planning for Marine Protected Areas	May 6-11 2018	Dohera hotel, Cebu
CoRVA Database Workshop	May 23-26, 2018	
Technical Writing Training	June 11-16, 2018	
5th Formation and Organization Workshop: Review of MOA	June 18-21, 2018	
Coral Reef Visualization and Assessment (CoRVA) Integration Workshop	June 21, 2018	Quezon City

The Project also conducted the following field assessment and monitoring:

Assessment conducted	Date of Learning Event	Venue
Coral Reef Assessment and Monitoring	April 4-9, 2018	Sta. Cruz, Palauig, and Masinloc, Zambales
ARMS Retrieval and Processing	April 10-13, 2018	Masinloc, Zambales
CoRVA - Mapping and Impact Research on the Resilience of Reefs (MIRROR) Reef Monitoring	April 18-21, 2018	Sagay City, Negros Occidental
Reef Fish Resiliency and Productivity -Reef Fish and Coral Reef Surveys	April 19-24, 2018	Albuquerque-Loay-Looc
CoRVA - Automated Rapid Reef Assessment Technologies (ARRAS) Activity	April 24-27, 2018	Panal Reef, Sagay
ARMS Retrieval and Processing	April 24-27, 2018	Mabini, Batangas
Seagrass and Mangrove Surveys and Ground Validations	April 23-30, 2018	Sta. Cruz, Candelaria and Masinloc, Zambales
Coastal Stability Assessment	May 2-6, 2018	Basco, Malakdang-Savidug, Ivana, and Uyugan, Basco Batanes
Coral Reef and Mangrove Remote Sensing	May 2-7, 2018	Cortes, Surigao del Sur
Seagrass and Mangrove Surveys and Ground Validations	May 2-9, 2018	Pujada Bay, Mati, Davao Oriental
CoRVA - Mapping and Impact Research on the Resilience of Reefs (MIRROR) Coral Reef Surveys	May 2-9, 2018	Aliguay Island, Dapitan, Zamboanga del Norte
CoRVA - Mapping and Impact Research on the Resilience of Reefs (MIRROR) Coral Reef Surveys	May 2-10, 2018	Tubbataha, Cagayancillo, Palawan
CoRVA - Automated Rapid Reef Assessment Technologies (ARRAS) Activity	May 4-7, 2018	Guiuan, Eastern Samar
CoRVA - Automated Rapid Reef	May 7-11, 2018	Apo Reef, Mindoro

Assessment conducted	Date of Learning Event	Venue
Assessment Technologies (ARRAS) Activity		
CoRVA - Automated Rapid Reef Assessment Technologies (ARRAS) Activity	May 14-18, 2018	Initao, Misamis Oriental
Coastal Stability Assessment	May 16-19, 2018	Odiongan, and Santa Fe, Tablas Island, Romblon
Coral Surveys in Selected Reef Sites	May 17-25, 2018	El Nido and Taytay, Palawan
CoRVA - Automated Rapid Reef Assessment Technologies (ARRAS) Activity	May 21-25, 2018	Palauí, Santa Ana
Coastal Stability Assessment	June 19-23, 2018	

C. Manila Bay

- Conducted Capacity Building on Soil Conservation Technology Demonstration and Watershed Management for Small Water Impounding Projects (SWIPs) and other Upland Areas last April 10, 2018 at Floridablanca, Pampanga which aims to encourage participants to take part in the rehabilitation of Manila Bay by using sustainable farming technologies;
- A seminar-workshop on Nature-Based Tourism was conducted on 21-23 May 2018 at the Sulo Hotel in Quezon City. Some of the major recommendations were to include the Action Plan to their corresponding forward estimates and Work Plans; to ensure the zoning of the area and identify other ecotourism sites in the vicinity to address the carrying capacity; repositioning of the ecotourism output in the logframe from outcome 4 on soil loss reduction to outcome 5 on biodiversity areas in Manila Bay conserved and protected;
- A consultation meeting was conducted last 6-8 June 2018 in Dinalupihan, Bataan. The consultation includes initial update on the Pilot Study on the enhancing of floral diversity and interventions in Manila Bay Region and status update on the partnership of BMB and Bantay Pawikan.

Pilot Study on Enhancing Floral Diversity and Interventions in Manila Bay Region.

Upon the approval of the LGU and barangay, creation of implementation instruments was the next step. Either a MOA shall be forged between the PO in the site or BMB shall purchase the needed materials for the establishment of demo site. Also, field work was needed to establish rapport with the community especially the Linak Peoples organization who shall be the recipient of the project. Study on water and soil analysis were recommended to understand the impact of establishment of demo site on soil erosion control.

Updates on the Partnership between BMB and Bantay Pawikan Inc. Bantay Pawikan Inc. (BPI) represented by Mr. Manolo Ibias, chairman, discussed about the importance of community based versus project based approach. He said that even after the

completion of contract they shall still continue to sustain the marine turtle conservation because they have seen as a community the importance of their endeavors.

D. Integrated Coastal Management (ICM)

- An ICM Workshop for the Mindanao Cluster was conducted last April 2-6, 2018 in Davao City. Aim of the workshop was to provide knowledge to the different LGUs of the ICM and share the accomplishments and best management practices, as well as learnings of sites where ICM practices are considered successful and prioritize ICM approach in planning.
- A write-shop for the ICM draft House Bill No. 5672 was conducted last May 17 and 18, 2018 at Royce Hotel, Clark Pampanga. It was agreed that a small group discussion will be conducted in order to finalize the draft HB for approval of the Technical Working Group and subsequent endorsement of the Special Committee on Climate Change.

E. Coral Triangle Initiative (CTI)

- The 3rd NCCC Meeting and Workshop on the review of the National Plan of Action was conducted on May 15 to 16, 2018 at Dolce Latte, Quezon Avenue, Quezon City. Said activity was attended by Philippine National CTI Coordinating Committee (PH-NCCC) Members.
- A separate meeting was conducted to review the Proposed Amendment to the CTI-CFF Staff Regulations. Such draft was part of the previously conducted Finance, Staff and Budget Meeting in Jakarta wherein the Philippine delegation was not able to attend due to delay on the issuance of Travel Authority. Relative thereto, the Philippines was tasked to submit its comments separately coming from the output of the CT5.
- The CTI-CFF Roll-out Events for Visayas and Mindanao Cluster were conducted in order to align our local efforts to the international commitments because it would help us in monitoring the impacts of our activities. This event also aimed to enhance awareness and capacitate field officers in promoting activities which contribute to the goals enshrined in the CTI-CFF NPOA and RPOA. Outputs of the event are guide for the regions for making their Work and Financial Plan for 2019 and a draft accomplishment country report to be reported during the 14th SOM and MM in November 2018.
- The Regional Offices were informed through a Memorandum of the Coral Triangle Day which is celebrated annually every 9th day of June. The Bureau through the CMD is tasked to collect documentation and reports of each Regional Office.

F. West Philippine Sea (WPS)

Through the project entitled "Coastal Assessment for Rehabilitation Enhancement: Capability Development and Resiliency of EcoSystems (CARE-CaDRES)", under the CMEMP Program of the Bureau, a research expedition to the Kalayaan Island Group reefs was conducted to revisit most of the sites during the Kalayaan Research Program to assess

present conditions and to be able to compare with the assessments almost 2 decades ago. The research expedition sites include Pagasa Island, Sabina Shoal, Lawak Island, Patag Island, and North East Investigator from April 28 to May 19, 2017 using the BRP Gregorio Velasquez (AGR 702) as platform. The cruise was participated by representatives from the following: UP Diliman (25), UP Los Baños (1), DENR (1), NAVMETOC (14), NAVSOG (3), and AGR 702 (39).

The specific objectives of the cruise were to:

- Conduct coral reef assessment and fisheries potential in selected sites in the Kalayaan Islands Group (KIG);
- Investigate the physico-chemical properties of the waters around the sampling sites; and,
- Document marine biodiversity resources through photo-documentation and sample collections for genetic analysis.

The initial findings of the cruise revealed that in general, the high species richness, high biomass and presence of juveniles seem to indicate that the reefs surveyed in the KIG supports a stable, productive and resilient fish population despite the fact that no fisheries management programs are in place. However, the poor coral cover in the KIG reefs is an indication that without any significant intervention and with continued unregulated fishing, the high fisheries potential of the area may not be sustained. The reefs in the KIG have been unmanaged for far too long and expecting it to continue to provide the same amount of fishery resources at the same levels as before without any proper management is wishful thinking. Specifically:

- There is high reef fish species richness (species richness: number of different fish species) for all sites in KIG and are dominated by wrasses (Family Labridae, local name: labayan, mameng);
- Northeast Investigator Shoal had high fish abundance or density (abundance: number of individuals per species) while all the other sites had moderate. Damselfishes (Pomacentridae, a popular example is clownfish) had the highest density. Surgeon fishes (Acanthuridae) and wrasses (Labridae) were also considerable;
- Northeast Investigator Shoal showed high biomass (biomass: mass of living biological organisms in a given area or ecosystem at a given time) which can be attributed to the numerous schools of jacks or talakitok (Carangidae) and emperors or katambak (Lethrinidae). These values are higher than the average biomass value in the fringing reefs (reef that lies close to the shore) of the islands of Luzon, Visayas and Mindanao (Nanola et al. 2011);
- A total of 751 juveniles from 11 families were recorded in 14 transects in KIG. The number of juveniles observed in the transects was substantial, which may imply "good" recruitment before the sampling period;

- A total of 20 reef fish species belonging to 7 families were caught using hook-and-line while spearfishing caught 22 species (6 families). Manual spearfishing yielded higher catch and was more efficient than hook-and-line;
- Highest hard coral cover was observed in the Northeast Investigator (more than 30%) and can be categorized under fair category (of reef health status) (Gomez et al. 1994). In contrast, hard coral cover in Pagasa, Lawak and Sabina were in poor category with only 20%, 8%, and 2%, respectively;
- The most dominant benthic (bottom) cover in the reefs of Pagasa is dead coral with algae which was also observed in the Northeast Investigator Reef. Lawak Island was predominated by algae encompassing almost 50% of the reef structure. Finally, Sabina Shoal was predominantly comprised of dead coral with algae and abiotic components (sand, silt) and a hard coral cover of the site with only less than 5%;
- The most dominant corals found in Pagasa belong to the Family Poritidae, followed by the faviids and then Acropora. In Sabina Shoal and Lawak Reef, almost 40% of the surveyed sites were dominated by Acropora. However, in Lawak Reef, sturdy and massive Porites thrive and compete with the more fragile Acropora species. Lastly, other corals such as Oxypora, Pectinia, Tubipora musica, etc. predominated reefs in Northeast Investigator.

G. Philippine Rise

The Bureau participated in a 17-day all-Filipino marine scientific research expedition to Benham Bank and the Bicol Shelf last May 10-27, 2018, involving about 50 scientists and personnel from DENE, University of the Philippines, Philippine Navy, and the National Coast Watch Center.

The main objectives of the expedition are to:

- Assess the state of the coral reef communities off the eastern coast of Luzon, specifically along the Isabela Coast, the Bicol Shelf reefs and the Benham Bank;
- Estimate the degree of reef connectivity horizontally along the eastern coast of Luzon as influenced by persistent western boundary currents, such as the Kuroshio flowing off the Bicol Shelf break and the Isabela Coast;
- Understand vertical connectivity across depths contours between the shallow and deeper mesophotic reefs which is likely to be common along the reefs facing the Pacific; and,
- Gain insights on adaptation of corals and select associated organisms to oligotrophic conditions, warmer temperatures and deeper environments of the mesophotic reefs in the Benham Rise area.

Parallel to this, the President has declared the Philippine Rise as Marine Resource Reserve through Proclamation 489 s. 2018 on May 15, 2018. The Philippine Rise Marine Resource Reserve is as an extensive and relatively isolated and uninhabited area covering 352,390 hectares, designated as such to protect natural resources of the area for future use and prevent or contain development activities that could affect the resource pending the

establishment of objectives which are based upon appropriate knowledge and planning. It is subdivided into two zones, a Strict Protection Zone (SPZ) (approximately 49,684 hectares), which will be closed to all human activities except for scientific studies and/or ceremonial or religious use by the ICCs/IPs and a Special Fisheries Management Area (SFMA) (approximately 302,706 hectares), to allow sustained and regulated fishing.

H. Asia-Pacific Coral Reef Symposium (APCRS)

Over 600 participants from more than 30 countries attended the 4th Asia-Pacific Coral Reef Symposium (APCRS) which was held on 4-8 June 2018 in Cebu City. APCRS seeks to provide a platform for scientists, educators, managers, and environmentalists to share their knowledge and experience in the fields of coral reef biology, ecology, management and conservation. The APCRS is held every four years, the first in Hong Kong, the second in Thailand, and the third in Taiwan.

The five-day symposium is hosted by the University of the Philippines Marine Science Institute and the Bureau. It highlights the importance of science and technology in conservation and good governance.

VIII. Communication, Education, and Public Awareness (CEPA) Program

- Regular showcasing of various animals at viewing areas to park visitors;
- To contribute in raising public awareness and appreciation on wildlife protection and conservation, the Bureau accommodated the following:
 - Tour of the WRC facility by Dr. Maria Sofiea Ty to NSMNP-PAMB members, representatives from indigenous committees, members of the DENR Palanan and Region 2 participants of the UPLB research program entitled "From Genes to Ecosystems: Understanding Fruit Bat Species and Genetic Diversity and Its Ecological Interactions with Plants in Tropical Lowland Forests, Palanan, Isabela, Philippines" on April 5, 2018;
 - Tour of the WRC facilities by Dr. Ty and Dr. Marie Pauline Leoncio to the contestants of Miss Earth Philippines on April 23, 2018
 - Interview with Mr. Edgardo Flores by ABS-CBN re: snake handling/management on April 27, 2018
 - Shooting at GMA 7 Network and interview with Dr. Glenn Maguad by GMA 7 on May 18, 2018 for airing over "Ang Pinaka: Sikat na Animal Newsmakers 2018"
 - Ten (10) B.S. Biology students of Pampanga State Agricultural University re: observation on the necropsy of wild animals at WRC on June 8, 2018
 - Request of Mr. Jose Miguel Capdevilla, Ambassador, Embassy of Chile to visit the embassy re: presence of snake in the area on June 21, 2018

- Interview with Dr. Maria Sofiea Ty by two FEU B.S. Information Technology students re: proposed 3D Animation tour of the WRC for their thesis project on June 23, 2018
- **Special Events and Celebrations**
 - **2018 Philippine Eagle Week**

The country celebrates the ecological importance and social significance of the Philippine eagle through the Philippine Eagle Week (PEW) every June 4-10 of each calendar year. This year celebrates the 20th year after Presidential Proclamation No. 79 was signed into law declaring the observance of the PEW, with the theme, “Ipagdiwang ang Pagkakaisa para sa Malayang Agila”.



BMB Director Crisanta Marlene P. Rodriguez emphasized how continuing researches unlocked opportunities for experimental releases on captive-bred eagles with the aid of telemetry devices. The data obtained revealed how these birds used their habitats and their vulnerability in the wild. Protocols for rescue, retrieval and releases were refined, adopted, and employed to avoid imprinting and dependency towards humans, especially among captive-bred eagles. Such was the case of a female Philippine eagle, “Kalabugao” which, after rehabilitation at the Philippine Eagle Center (PEC) for three (3) months, was successfully released on 30 March 2015 and later discovered to have laid an egg in March 2018. The DENR and UPD-IB partnership on genetic profiling/DNA study on Philippine eagles has also yielded significant results. Analyses of samples (tissue, blood, feathers) taken from dead, rescued Philippine eagles from Luzon, Samar, and Mindanao showed that said eagles were genetically homogenous. The UPD-IB has also conducted microsatellite assays to determine the eagles’ parentage, with resulting data to be used as scientific basis in the possible reintroduction of captive-bred eagles in other islands.

Each time we celebrate the PEW, let it be a reminder for us that we must not forget the crucial role that Philippine eagles play in our fragile ecosystems. With each celebration of the PEW, this critically endangered bird of prey upholds the ecological balance in the forests where, as natural predators, regulate the population of other animals such as snakes that can pose danger to humans. As the Crown Jewel of Philippine Biodiversity, the Philippine eagle also serves as an ecological barometer. Its commanding presence

speaks of a healthy and sustainable ecosystem, one that is able to sustain life and provide for our needs.

○ **World Migratory Bird Day**

The year 2018 marks a new start for World Migratory Bird Day as it now unifies the planet's major migratory bird corridors, or flyways, namely the African-Eurasian, the East Asian-Australasian, and the



Americas flyways. Furthermore, to make celebrations even more successful and relevant to bird supporters all over the world, WMBD will now have two peak celebration days in the year - the second Saturdays of May and October - and can in addition still also be celebrated all around the year, whenever migratory birds are present in a given locality.

In the Philippines, the highlight activities in observance of the WMBD shall culminate in October to coincide with the start of the annual bird migration. Bringing together even more people in the country, WMBD aims to reach out to a broader audience and amplify its message for bird conservation. As a new platform that unifies the country's efforts, WMBD will be reinforcing education and awareness-raising about the need to protect migratory birds and their habitats - at all different levels and in partnership with all concerned stakeholders.

IX. Managing the Ninoy Aquino Parks and Wildlife Center

The Bureau continuously managed the 22.7 hectare Ninoy Aquino Parks and Wildlife Center (NAPWC). For the second quarter of 2018, a total of 62,498 visitors (male=29,009; female=33,489) were recorded generating a total income of ₱1,906,186.00 from the entrance, parking and rental fees of the park.

X. Foreign Assisted Projects

A. Preparation of the Sixth National Report (6NR) to the Convention on Biological Diversity

Conducted three Regional/Cluster Consultations for the Preparation of the 6NR to the CBD and the Localization of the Philippine Biodiversity Strategy and Action Plan, as follows: (i) Regions 6 and 7 Cluster conducted last April 23-27, 2018 at Montebello Villa Hotel, Cebu City; (ii) Region 8 Consultation conducted last May 15-19, 2018 at The Oriental Leyte; and, (iii) Luzon Cluster (Regions 1, 2, 3, NCR and CAR) last June 25-28, 2018 at Ramada Hotel, Manila.

B. Small-Grant Project SGP 5

The Project is now consolidating its accomplishments as the project is marching towards the last remaining months. The SGP5 has supported 49 biodiversity conservation projects servicing 160 barangays, 37 municipalities, 1 city, belonging to 10 provinces across Luzon and Visayas regions. A total of 138 POs/Community-based Organizations of farmers (66), fishers (37), IP Organizations (27), and women (7) sectors mobilized with 10,117 individual members benefitting from the projects. Most of them have BDFEs that provide income derived from food processing, agro-forestry, organic farming, non-timber forest products, handicrafts making, and community-based sustainable tourism activities, among others.

C. Biodiversity Finance Initiative (BIOFIN)

- A workshop with the Project Board to vet finance mechanisms and targets was completed and results will be incorporated into the finance plan. The localized finance plan (pending approval by the local government unit [LGU]) for the municipality of Sablayan, Occidental Mindoro was well-received by its Asst. Municipal Environment and Natural Resources Officer and resulted in the interest of the municipality of Victoria, Oriental Mindoro and San Jose, Occidental Mindoro to have a similar plan as well. In relation to this, a draft localized BIOFIN module has been prepared which will be integrated into the Comprehensive Development Programs of local government units (LGU) through the Department of the Interior and Local Government (DILG).
- The following activities on the finance mechanisms are on-going:
 - a) BIOFIN continues to provide technical assistance to Sablayan and Victoria LGUs in project development to access the Peoples Survival Fund which is an earmarked fund for climate change adaptation projects;
 - b) BIOFIN has met with the Development Bank of the Philippines (DBP) to explore its corporate social responsibility programs (for the Ninoy Aquino Parks and Wildlife Nature Center which is a protected area and UNDP Small Grants Programme [SGP] eligible beneficiaries) and the feasibility of the bank implementing impact investment programs (for the UNDP SGP beneficiaries) and enterprise challenge funds;
 - c) BIOFIN continues to engage its private sector partners (TeaM Energy Foundation, Inc. and Smart Communications, Inc.) for CSR programs for protected areas;
 - d) BIOFIN coordinates with the Public-Private Partnership (PPP) Center and the BMB vis-a-vis PPP projects in 3 selected protected areas;
 - e) BIOFIN provides technical support to the formulation of local biodiversity strategy and action plans of the provinces of Negros Oriental, Negros Occidental and Cebu with the objective of mobilizing resources for these; and
 - f) BIOFIN will develop biodiversity indicators/parameters that can be used for fiscal transfers to LGUs as advised by DILG.
- On the policy component, BIOFIN continues to provide technical support to: (i) the proposed Executive Order (EO) on Strengthening the National Policy on Access and Fair and Equitable Benefit-Sharing and Wealth Generation from the Utilization of Philippine Genetic Resources, Creating the Inter-Agency Committee on Genetic Resources and associated Traditional Knowledge, and for Other Purposes for approval by the Philippine

President; (ii) Expanded National Integrated Protected Areas System (E-NIPAS) Bill which has been passed by both Congress and Senate; and (iii) formulation of a proposed DENR Administrative Order on integrating biodiversity into mining projects.

D. Protect Wildlife

Over the course of Quarter 3, the Protect Wildlife team designed activities to continue progress within individual Strategic Area Theories of Change Results Chains and meet contract deliverables and outputs; the team also seized opportunities, such as DENR requests to support wildlife crime-related training programs, which directly and indirectly facilitated and accelerated activity implementation. The following bullets represent significant advances achieved this quarter that we wish to highlight. Highlights are presented within their Strategic Approach:

1. **Strategic Approach 1: Behavior Change Communication.** Developed national and site-level BCC campaigns in collaboration with the other SA teams. For behaviors that contribute to demand reduction in wildlife trafficking, the team designed a communications campaign with the Wildlife Resources Division of DENR-BMB through which knowledge about illegal wildlife trade and resource use will be disseminated at key airports and seaports. A complementary advocacy campaign will target couriers and the transport industry. Working with staff trained on Campaigning for Conservation (C4C), two BCC campaigns were implemented in Palawan this quarter that initially reached 1,581 individuals. The campaigns focused on:
 - Changing onboard behavior of dive operators, dive masters and tourists/divers in Tubbataha Reefs Natural Park towards conservation, and
 - Generating support for the protection and management of the Tigaplan watershed, the major source of water in Brooke's Point, Palawan.
2. **Strategic Approach 2: Conservation Financing.** Assisted LGUs in southern Palawan and in Zamboanga City in developing and operationalizing PES governance schemes such as ring-fencing, business planning and re-investment planning. As activity-supported PES frameworks mature further, PES schemes will expand and revenue collection, which is now about US\$11,073, will accelerate. The team also continued discussions with potential sources of private financing (including Foundation for a Sustainable Society, Cargill Philippines and Abraham Holdings), institutional buyers, and government resource institutions such as the Philippine Rootcrops Research and Training Center, to generate support to initiatives in livelihoods and community enterprises, research and conservation education.
3. **Strategic Approach 3: Conservation and Governance.** Continued mentoring the landscape and LGU-level technical working groups (TWGs) on data analysis, spatial analysis and field validation, and management and investment planning to complete the updated protected area management plans and forest land use plans (FLUPs) of target landscapes and seascapes and LGUs in southern Palawan and Zamboanga City. The team expanded its training activities on protected area management planning and FLUP to the activity expansion sites, specifically Puerto Princesa City and Mount Matutum and Allah Valley protected landscapes in region 12. The scale-up of the activity's improved protected area management and investment planning process has

been initiated with the training of three batches of DENR staff, protected area supervisors (PASUs) and select protected area management board (PAMB) members from 29 protected areas outside the target sites of Protect Wildlife. The latter training initiative was in response to a request by the DENR-BMB National Parks Division.

4. **Strategic Approach 4: Conservation Research.** Continued to advance research, development and extension partnerships with universities, and develop detailed agreements for curriculum development assistance. Significant activities this quarter are:
 - Commenced Western Philippines University's participation of its field research on sea cucumber growth and survival with the release of hatchery-produced juveniles into ocean nursery systems;
 - Launched a population study on the Palawan pangolin (*Manis culionensis* de Elera) in southern Palawan with the PCSDS as lead. Other partners in this study are DENR-BMB, Palawan State University, Katala Foundation and Conservation International;
 - Reviewed research concepts and evaluation of university research proposals for implementation; and,
 - Developed a syllabus for environmental law and protection that universities may integrate into their Bachelor of Science in Criminology programs and that the Commission on Higher Education (CHED) may endorse for adoption by other colleges and universities.
5. **Strategic Approach 5: Wildlife Law Enforcement.** Continued to strengthen the enabling environment for wildlife and environmental crime enforcement—through training initiatives, and strengthened laws and policies—and to observe enforcement results in practice, through monitoring of confiscations, seizures and arrests. This quarter, the activity team:
 - Trained an additional 71 government staff in combating wildlife and environmental crime. Through these efforts, the team has exceeded Year 2 targets for the number of trained individuals by 25 percent. Quarter 3 trainings were comprised of a Wildlife Forensics and Crime Scene Investigation course done in partnership with USAID Partnership for Biodiversity Phase III (PBC3) and NALECC-SCENR (41 trainees), and a DENR-sponsored Palawan Forestry and Wildlife Law Enforcement Training-Batch 1 (33 trainees).
 - Facilitated advancement of two national and three local policy initiatives related to wildlife and environmental crime prevention. Activity efforts contributed to stakeholders' success in officially proposing the enactment of amendments to the Wildlife Act, the Environmental Code of Zamboanga City and Municipal Fisheries Ordinance for Bataraza, Palawan, and the approval of the WildLEAP and the PCSDS enforcement protocols by decision-making authorities.

E. Strengthening the Marine Protected Areas to Conserve Marine Key Biodiversity Areas in the Philippines (SMARTSeas)

In Lanuza Bay, proper documentation of activities has been a backlog on most of the marine protected area management bodies. This is also one of the requirements for the annual reporting to the Department of Labor and Employment (DOLE) for the updating of their

registration. If they do not submit annual reports, they will not be eligible for support from DOLE and other national government agency. This will be one of the focal areas where the project will reinforce in order to sustain interventions. This was supported by a memo from the mayor to participate and shadow the project activities to increase their capacity. This was also identified as a sustainability strategy with plans to expand this to the other local governments with marine protected areas in Lanuza Bay.

The local governments of Madrid and Carmen have presented their tourism master plan with the project. The project assisted both Carmen and Madrid in the creation of a municipal technical working group and an inventory of potential tourism sites that could be developed. Both local governments initially identified separately a portion of their mangrove area for a mangrove walk and part of it established as a marine protected area, also assisted by the project. This may be an opportunity for linking of structures developed by Conservation International Philippines in the Verde Island Passage that can be used across the project with similar activities. The identified sites for possible tourism destinations has been incorporated in the individual tourism master plans.

The VIP MPA Network and Law Enforcement Network is one of its kind in the country in terms of partnerships between local governments and national government agencies. As such, financial sustainability systems borrowed from existing MPA networks which are mostly inter-LGU but within provinces only are not directly applicable. This presents a challenge in adhering to the project indicators but, on the other hand, opens the field for innovation. CIPFI is presently exploring other avenues of sustainability and one is for the VIP to take the form of a government-owned and controlled corporation. The main consideration is for the local governments to retain control over the VIP.

F. Sulu-Sulawesi Seascape

The onset of 2018 marks the final year of implementation of the Project. With this, the project is closely monitoring the termination of on-going consultancies where each output will feed towards project outputs and indicators. Meanwhile, the project still aims to commence on-site activity in Balabac through the assistance of a local-based NGO. Overall, the project is close to achieving all the targets that it has envisioned.

XI. Other Major Accomplishments

- **Boracay Biodiversity Rehabilitation Program**

With the President's pronouncement last February, that the Boracay Island was a "cesspool", the Bureau was given marching orders to join the DENR workforce in the rehabilitation of the island. The team sent last February 28 to March 2, 2018 to determine the current condition of the biodiversity in the forests, wetlands and marine environment of Boracay Island found out that the biodiversity and ecosystems of the Island had been significantly affected by the tourism development:

- 1) The three (3) types of forests in the island namely, mangrove/nipa swamp forest, beach forest and forest over limestone, exist as patches and are highly fragmented already.

- 2) Of the nine (9) “priority wetlands” of the island, which are originally mangrove and freshwater swamps scattered all over the island, had been transformed into ponds, lagoons and marshlands while others remain with small patches of the original forested vegetation. Most of these wetlands are already partially reclaimed, degraded or entirely converted to other land uses.
- 3) The flying foxes of the Boracay Island, which are critical in the maintenance and natural regeneration of the forests and watersheds of the island and the Panay mainland, are also heavily threatened. In a period of 15 years, the flying fox population in Boracay has declined by 86% from the earlier estimate of 15,000 in 1988 to about 2997 in 2016.

The Island’s wildlife resources and their habitats largely contribute to the overall ecological and economic sustainability of the island. Significant biodiversity still remains and should be accorded protection, as follows:

- 1) Earlier biodiversity surveys revealed that the island supports a diverse species of flora and fauna. Seventy-five (75) species of plants species were recorded (Haribon, 2006), including rare and threatened plant species such as: Bantigi, *Pemphis acidula* (Endangered), Molave, *Vitex parviflora* (endangered), Pitogong dagat (*Cycas edentate*) (endangered). The fauna includes 36 birds, long-tailed macaques and monitor lizards (Paguntalan, et.al 2014);
- 2) The only known colony of flying foxes in Boracay roosts in the forests of Yapak, which represents the largest remaining beach forest in a limestone in Boracay. Flying fox colony comprise of three spp.: Golden-crowned flying fox (*Acerodon jubatus*) (critically endangered), Large flying fox (*Pteropus vampyrus*), Common island flying fox (*Pteropus hypomelanus*);
- 3) The Puka shell beach of Yapak is home to green sea turtles. Four (4) out of the five (5) endangered marine turtles in the country are found in the waters of Boracay. These are: Olive Ridley *Lepidochelys olivacea* (endangered), Leatherback *Dermochelys coriacea* (endangered), Green sea turtle *Chelonia mydas* (endangered), and the Hawksbill turtle *Erythmochelys imbricata* (critically endangered);
- 4) Of the 142 cave openings on record, three (3) caves are already classified and with management plan. These are: Darkside of Paradise Cave (Class I); Bat Cave (Class II); and Crystal Cave (Class III) [as per DENR MC 2012-03]. A new species of karst-dwelling crab *Karstarma philippinarum* (Husana et al., 2010) was found in Bat Cave. The Darkside of Paradise Cave adjoins Wetland No. 2 and contributes to its water regulation and filtering functions;
- 5) The remaining wetlands could be enhanced to restore their natural capacity to filter out contaminants of the water seeping into the ground and flowing into the seas, among many other benefits that these wetlands provide.

The BMB is now in the process of completing the final requirements for the declaration of Boracay island as a critical habitat for the flying foxes and marine mammals. The remaining large tract of forest and the Puka Beach in Barangay Yapak is proposed for the establishment of the Boracay Island Critical Habitat pursuant to Republic Act 9147. The proposed critical habitat, covering an approximate area of seven hundred fifty-one (751) hectares, encompass the remaining biodiversity-rich sites of the Island that serve as habitat for threatened species (i.e. Golden-crowned flying fox and other threatened plants) including coral reef areas. The establishment of a Critical Habitat will provide a platform for multi-sectoral cooperation to save the remaining biodiversity rich areas of Boracay Island. The area had been assessed and delineated, and stakeholder consultations had been on-going, pending the resolution from the local government approving such establishment.

Wetland clean-ups were also initiated with DSWD and DOLE, through their Cash-for-Work (CFW) and Emergency Employment Program (EEP) also known as Tulong Panghanapbuhay sa ating Disadvantaged/Displaced Workers (TUPAD) Programs, respectively, for the displaced local workers. Through this collaboration, 1,187 sacks of non-biodegradable solid wastes were collected from Wetlands 2, 6, 7 and 9 from May 29 to June 15 (Data from the National Boracay Inter-agency Task Force).

Rehabilitation efforts, through partnerships with the private sector, are also underway, with the main objectives including the restoration of these important ecosystem services. Currently, there are on-going negotiations with San Miguel Corporation, Aboitiz Equity Ventures Inc., JG Summit Holdings Inc., and Energy Development Corporation to take on the responsibility through the DENR's Adopt-a-Wetland program.

The efforts of the Bureau are very important in bringing back Boracay's former beauty and capacity to sustain biodiversity and livelihood in the island. The Bureau is also continuously undertaking biodiversity assessments and mapping of other ecosystems and species in order to provide us an evidenced-based information of what we need to further protect and sustainably manage.

- **1st BMB Partners' Meeting**

The Bureau conducted the 1st Partners' Meeting last June 5, 2018 at the NAPWC. The meeting was a venue for BMB Partners to meet the newly appointed Bureau Director and to present their priority programs/projects, as well as to identify gaps and areas of complementation. The following agencies/organizations/projects participated in the meeting: Foundation for Philippine Environment (FPE), Center for Conservation Innovations (CCI), Haribon Foundation, Conservation International (CI) – Philippines, Sulu-Sulawesi Seascape Projects, Protect Wildlife Project, and Forest Foundation Philippines (FFP).

PHYSICAL ACCOMPLISHMENT REPORT
2ND QUARTER 2018

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

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
PROGRAMS													
SUPPORT TO OPERATIONS													
FORMULATION AND MONITORING OF ENR SECTOR, POLICIES, PLANS, PROGRAMS AND PROJECTS													
1. Policy Review and Formulation													
A. Caves, Wetlands and Other Ecosystems Program													
1. DMC List of Classified Caves (2018)	Draft DMC endorsed to OSEC			1		1							Draft list of assessed caves (62) to be submitted to DENR-PTWG for further review and evaluation as recommended for classification by regions, namely: R1 (2), CAR (5), R4B (8), R5 (11), R7 (3), R9 (13), R11 (1), R12 (6), R13 (13)
2. Establishment of Cave Management, Protection and Conservation Program (CMPCP)	Draft amended policy (DAO 2003-29) reviewed by NCC/BMB-TRC				1	1							Preparation on some of the provisions/section of the DAO 2003-29 is being prepared/drafted for presentation on the
	Consultant hired		1	1	1	1							prepared/drafted for presentation on the
	No. of meetings/consultations conducted		1	1	2	4		1			1	100	scheduled consultation and NCC meeting set on July 3, 2018
3. Cave Rescue Protocol	Policy endorsed to Director				1	1							Draft DAO for finalization and
	no. of meeting/consultation conducted		1	1		2	1				1	100	endorsement to BMB-TWG
4. Procedural Guidelines on Urban Biodiversity Inventory and Assessment	Policy endorsed to Director				1	1							Draft policy for endorsement to the
	no. of meetings/workshops conducted		1	1		2		1			1	100	Director incorporating comments as provided by the BMB-TRC
4.a. Development of Manual of Tools for the Assessment of Urban Areas	manual of tools drafted			1		1							Draft Manual of tools for final comments.
	no. of meetings/workshops conducted		1	1		2		1			1	100	On-going pilot testing on the use of proposed manual/tools for urban

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
													assessment, only at NAPWC accomplished. Two sites still subject for the implementation.
5. Wetland Conservation Plan	Wetland Conservation Plan endorsed to PTWG				1	1							BMB Director for final comments to the DENR Secretary
	no. of meetings/workshops conducted	1		1		2	1				1	100	
6. Issuance of Supplemental Technical Bulletin on BMB Technical Bulletin No. 2016-10, Outline of Cave/ Wetland Management Plan	Technical bulletin drafted				1	1							On-going preparation on the additional inputs/criteria/parameters to be included in the supplemental guidelines
	no. of meetings/workshops conducted	1		1		2						-	
B. Protected Area Management													
1. Preparation of guidelines & regulations on protected area management	no. of guidelines prepared/ finalized												
a. Annotated CRMP Outline				1		1							
b. Guidelines on Management Effectiveness			1			1							
Assessment of Protected Areas													
c. PA Management Zoning (TB: Clarifying the DAO 2007-17)		1				1		1			1	100	Technical Bulletin 2018-01 re Clarifying the Procedures in the Identification, Designation and Delineation of Management Zones of PAs under the NIPAS
													- approved by the Director last April 6, '18
d. Technical Bulletin on GAD/HGDG for PA Management Plans (Supplemental to TB on PAMP Outline)			1			1							
e. DAO adopting IPAF Handbook		1				1	1				1	100	Draft DAO Adopting the Manual on the Administration and Management of the IPAF
f. Joint NCIP-DENR Policy on ICCA Recognition					1	1							- endorsed to the Secretary last Feb 13
g. Guidelines Integrating ICCA in ADSDPP					1	1							
h. Guidelines Integrating ICCA in CLUP					1	1							
i. Guidelines for ICCA and PA Overlaps					1	1							
j. Guidelines for Establishment of ICCA Registry					1	1							
k. Ancestral Waters													
k.1. Presentation of Desk Review Results			1			1							

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
k.2. Presentation of Initial Results and Consensus Building			1			1							
k.3. National Stakeholders' Conference				1		1							
l. ICCA Bill					1	1							
2. Review of guidelines, policies, regulations, resolutions, bills, etc. referred to the Division	No. of guidelines, Policies/bills Regulations/Resolutions reviewed	8	8	8	8	32	27	17			44	275	
3. Review of PA Bills/ENIPAS Act	No. of PA Bills reviewed No. of meetings/hearings attended	1	1	1	1	4	14	14			28	1400	The ENIPAS Act was approved during the Bicameral Conference last March 14, 2018 and is currently with the Office of the President for approval.
C. Wildlife Conservation and Management Program													
1. Establishing certain areas as Critical Habitat	Draft DAO endorsed to OSEC				2	2							
2. List of Economically Important Species of Wild Fauna under the Jurisdiction of DENR	consultation meeting/workshop conducted Draft DAO endorsed to OSEC	1	1	1	1	3						-	
3. Amendment of Republic Act No. 9147 "Wildlife Resources Conservation and Protection"	Consultation workshop/meeting conducted	1	1			2	2				2	100	Participated in consultation/meeting with PCSD at Palawan last Jan 2018 and conducted consultation workshop on Mar 6 and 26-27 in La Breza and Icon Hotel, respectively.
	Draft amendment endorsed to OSEC				1	1							Proposed House Bill re Revised Wildlife Resources Conservation and Protection Act was submitted to the House of Representative through the Committee on Natural Resources last March 28, 2018.
													Said House Bill was also forwarded to the Assistant Secretary for Legal and Legislative Affairs of the DENR.
4. National List of Invasive Alien Species	consultation meeting reports Draft DAO endorsed to OSEC	1			1	1						-	Workshops conducted last Feb 21 -24, 2018 and April 4-5, 2018

Operating Unit: **BIODIVERSITY MANAGEMENT BUREAU**

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

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
D. Coastal and Marine													
1. Six (6) policies on CMEMP/Management of Coastal and Marine Resources	No. of Policies drafted and submitted				6	6							
2. 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												
3. Programs/Projects Development, Implementation and Review													
3.1. Review of research/project proposals submitted by various entities/institutions	proposals reviewed PGP prepared	1	1	1	1	4	3	1			3	1	150 100
3.2. Preparation of partnership agreements	MOAs/MOUs prepared		1	1	1	3	3	2			5	500	
3.3. Drafting of conservation and management plans for threatened species (dugong, marine turtle, flying fox)	meetings/workshops conducted Management Plan endorsed to OSEC for adoption	1	2	2	2	7	2	2			-		
3.4. Review of the ENR policies, programs/projects, MOAs and bills referred to the Division (CAWED)		1	1	1	1	4	1	1			2	100	
3.5. Review of proposals referred to the Division (NPD)	No. of proposals reviewed	1	1	1	1	4	2	2			4	200	
3.6. Supervision of and Technical Assistance to:													
3.6.1 ICCA Project	No. of reports/documents reviewed No. of meetings/activities attended	3 3	3 3	3 3	3 3	12 12	3 35	4 21			7 56	117 933	
a. Project Board Meetings (4th, 5th, & 6th)		1	1	1	1	3	1				1	50	
b. Monitoring Visits (10 sites)		2	6	2		10					-		
c. Assessment Workshops (Mid-Year & Year-End)			1		1	2							
d. Capacity Building Workshops						2							

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
3.7. Assistance in the implementation of relevant Programs and Projects	No. of reports reviewed	2	2	2	2	8	3	3			6	150	
	No. of meetings/activities attended	2	2	2	2	8	3	2			5	125	
3.8. Conduct of meetings to discuss programs and projects related to coastal and marine	No. of meetings conducted	moving target					3				3	100	
	No. of policies reviewed	moving target											
3.9. Attendance to meetings related to review, monitoring and evaluation of policies (e.g. Congress Committee Hearings, PTWG, and Inter-agency meetings, etc.)	No. of pax attended the meetings	moving target					3				3	100	
4. Technical assistance (TA)													
4.1. Attendance to Meetings/Workshops/Fora/Symposia	No. of meetings/workshops/fora/symposia attended	4	5	5	4	18	4	5			9	100	
	No. of reports submitted		1	1	1	3		1			1	100	
4.2. Presenters/Resource Persons													
4.3. Participation in Inter-agency/ BMB Committees													
4.4. Attendance/participation in the drafting/formulation of support policies/guidelines to biodiversity-related concerns	Meeting/workshops attended/participated	1	1	1		3	1	1			2	100	
4.4.1. Guidelines on the Recognition of Biodiversity-Friendly Enterprises	technical assistance provided				1	1							Drafting in process and consultation on-going
4.4.2. Biodiversity-Friendly Agricultural Practices (BDFAP)	technical assistance provided				1	1							
4.4.3. Enhancement of Biodiversity Conservation and Protection in Mining Operations	technical assistance provided				1	1	1						Draft policy to undergo further review and consultation.
4.5. 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	1	1	1	4	1	1			2	100	
4.6 Provision of technical assistance to BMB and Regional	Activities undertaken	as needed											

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

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
Offices in the planning/programming of BMB Programs/ Projects	Documents prepared Regions visited												
5. Capability Building													
5.1. Attendance to training/workshops/ seminars	No. of training/workshops/ seminars seminars attended		3	3	3	9	73	59			132	4400	
5.2. In-House Workshop/Writeshop on proposals (Activity Design, TOR, PR) for various NPD activities	No. of In-house Workshop/ Writeshop conducted	1				1	1				1	100	
5.3. Assessment and Planning Workshop	Workshop conducted		1		1	2							
5.4. LE on PA Policies (for Regional, PENROs & CENROs Planning Officers, Technical Staff) and Cascading of National PA System Master Plan	No. of Learning Events facilitated/ organized		3			3		3			3	100	Learning Event on PA Policies Batch 1 - April 23-28, 2018 Batch 2 - May 7-12, 2018 Batch 3 - June 4-9, 2018
5.5. Trainor's Training on Biodiversity Assessment and Monitoring System (BAMS)	No. of Trainor's Training organized Consultant procured		2	1		3						-	Sent Memorandum to all RDs re Conduct of ToT on BAMS for Terrestrial PA in 3 Batches
5.6. Training on Socio-Economic Assessment and Monitoring System (SEAMS)	No. of trainings organized	2				2	2	1			3	150	Conducted the ff. ToT on SEAMS: Batch 1 - Feb 26 - Mar 2, 2018 Batch 2 - Mar 12-16, 2018 Batch 3 - April 3-5, 2018
5.7. Learning Exchange on Ecosystems Valuation	No. of Learning Exchange organized			1		1							
5.8. Workshop on Management and Investment Planning in Protected Areas	No. of Workshops conducted	3	1			4	3	1			4	100	LE on Management & Investment Planning conducted, as follows: In house - Jan 29-31 Batch 1 - Feb 19-23 Batch 2 - Mar 5-9 Batch 3 - April 17-19, 2018

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

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
5.9. Learning Event on Cave Management and Protection (Cave Biodiversity Assessment, Visayas and Mindanao Cluster)	no of participants/report submitted/ events conducted		1	1		2							Coordination conducted/accomplished. Scheduled on the 3rd qtr of 2018 for Vis-Min Cluster (July 22-27, 2018)
5.10. Roll-Out of CAWED-approach policies	no. of male and female trained participants/report submitted/ events conducted		1	1		2							
5.11. Orientation on the Implementation of CMCSAP (Vis-Min Cluster)	no. of participants/report submitted /events conducted		1			1	1				1		100 Consultation/orientation conducted at Ramada Hotel, Manila last Mar 21, 2018
5.12. LE on Vulnerability Assessment of Inland Wetland Ecosystems and Mainstreaming Disaster Risk Reduction in Wetlands Conservation and Management with Orientation on wetland concepts and updating of Ramsar sites (Vis-Min cluster) cum Modified Stream Visual Assessment Protocol as Rapid Assessment Tool	no. of participants/report submitted /events conducted			1		1							Initial coordination conducted
5.13. Learning event on Basic Caving Skills cum Cave Photography	no. of event conducted		1			1		1			1		100 Completed/accomplished last Apr 23-27 in Tayabas, Quezon
5.14. Focus Group Discussion on the PBSAP pursuant to DAO 2016-12 with DENR Bureaus and selected agencies	No. of agencies participated in FGD		2	2	2	6	1	1			2		100 Conducted FGD on Mainstreaming Biodiversity in Urban Setting and meetings with MGB on enhancing BD protection and conservation in mining operations
5.15. Policy Development and Advanced M&E Learning Event	No. of trainings/LE conducted			1		1							
6. Formulation/Review of plans/programs/ policies/proposals on biodiversity conservation and protected area management	2018 BMB Work and Financial Plan prepared and submitted to DENR/DBM				1	1							
	Proposal/cases/policies/ MOA reviewed/prepared	2	3	3	3	11	2	3			5		100

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

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
7. Conduct of regular conference/meetings/workshops	Conference/Meetings conducted	3	3	3	3	12	3	3			6	100	
- Mid year/Annual Assessment Workshops	Minutes/Proceedings/ Documents prepared/ submitted												
- Senior Staff Meetings													
- Technical Review Committee Meetings													
- FDU Meetings/workshops													
- PBSAP Donors Meeting													
8. Implementation/Monitoring of Plans/Programs/Projects on biodiversity conservation													
- Review and consolidation of accomplishment reports	Monthly/Quarterly reports submitted	3/1	3/1	3/1	3/1	12/4	3/1	3/1			3/1	100	
	Annual Report submitted				1	1							
- Monitoring/assessment of programs and projects on biodiversity conservation	Regions/sites visited			8	8	16							
	Field reports prepared and submitted			8	8	16							
9. Implementation/Coordination of Foreign Assisted Projects													
9.1. Biodiversity Finance Initiative (BIOFIN)	Meetings/Workshops attended	2	2	2	2	8	2	2			4	100	
	conducted												
9.2. 5th Operational Phase of the GEF Small Grants Programme (SGP5)	Monitoring of approved SGP		2	2	1	5		2			2	100	
	Documents prepared/acted upon	2	2	2	2	8	2	2			4	100	
9.3. BD Corridor													
9.4. 6th National Report to the CBD	Cluster Consultations/Experts		4	4	3	11		4			4	100	Conducted Regional Consultation for the Preparation for the 6NR to the CBD and PBSAP Localization, as follows:
	Group Meetings conducted												1. Negros Island - April 3-6 at Negros Occ.
													2. Region 6 & 7 - April 23-27 at Cebu
													3. Region 8 - May 15-19 at Leyte
													4. Regions 1, 2, 3, CAR & NCR - June 25-28, 2018 at Manila

Agency: OFFICE OF THE SECRETARY (OSEC)

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

[illegible]

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

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
14.1 Repair and maintenance of office equipment	Office equipment repaired and maintained		1	1	1	3		1			1	100	
14.2 Administrative Assistant		2	2	2	2	2	2				2	50	
14.3 Driver	No. of driver hired	1	1	1	1	1	1				1	50	

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	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
6.1. Printing of Compilation of PA Policies	No. of compilation of PA Policies printed	500				500					-		
6.2. Printing of NIPAS Act/NIPAS Act & Master Plan	No. of NIPAS Act printed	500	500			1000					-		
6.3. Printing of Documentation on PA Best Practices	Book printed		1			1						Initial draft submitted; Requested concerned Regional Offices to provide comments and recommendations on the said draft	
	No. of digital copy (customized ESB) distributed		150			150							
6.4. Printing of PA Guidebook Vol. 2	PA Guidebook Vol. 2 printed		1									On-going review of draft PA Guidebook	
6.5. Printing of IPAF Handbook	IPAF Handbook printed	500				500					-		
6.6. Assistance to Researchers			moving targets				4	1			5	100	
7. Development, Production and Distribution of IEC Materials on Wildlife													
7.1 Wildlife priority species poster/brochures/guides/tarps	IEC materials distributed			5		5	5				5	100	Five (5) tarps for the World Wildlife Day 2018 Celebration

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
PROGRAMS													
SUPPORT TO OPERATIONS													
DATA MANAGEMENT INCLUDING SYSTEMS DEVELOPMENT AND MAINTENANCE													
I. DATA MANAGEMENT													
1. Maintenance and enhancement of Website including data population	Website enhanced and updated	2	2	2	2	2	2	2			4	100	
- BMB Website	Meetings conducted	1	1	1	1	4	1	1			2	100	
- CHM Website	Information/Data uploaded	5	5	5	5	20	5	5			10	100	
- webmail account management and maintenance	webmail account managed and maintained	6	6	6	6	6	6	6			12	100	
- CITES E-permitting set-up, implementation, and maintenance	CITES E-Permitting set-up, implemented and maintained	1	1	1	1	1	1	1			2	100	
2. Maintenance of server/server room	Servers maintained	4	4	4	4	4	4	4			8	100	
	Server room maintained	1	1	1	1	1	1	1			2	100	
3. Database Maintenance and updating	Database updated	2	2	2	2	2	2	2			4	100	
	- PA Database												
	- Wildlife Database												
4. Maintenance of Internet Access Points including IP Telephony	Internet Access Points (WAP) maintained	21	21	21	21	21	21	21			42	100	
5. Maintenance of Internet Connectivity	Internet Connections maintained	2	2	2	2	2	2	2			4	100	
6. Maintenance of Local Area Network (LAN)	LAN monitored and maintained	1	1	1	1	1	1	1			2	100	
7. Repair and maintenance of	computers and IT	25	25	25	25	100	25	25			50	100	

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
BMB computers and other	equipment maintained/												
IT equipment	repaired												
8. Capacity building on Database and Application Development	trainings attended/conducted	as the need arises											
9. Attendance to trainings/seminars/ workshops/meetings and other activities related to data management	trainings/seminars/ workshops/meetings attended	as the need arises											
II. GEOGRAPHIC INFORMATION SYSTEM													
1. Update and production of integrated maps	maps produced												
a. Protected Areas													
- Regional		4	4	4	4	16	4	4			8	100	
- National		1	1	1	1	4	1	1			2	100	
b. Critical Habitat		1	1	1	1	4	1	1			2	100	
c. Ecotourism Sites		1	1	1	1	4	1	1			2	100	
d. Peatland Areas		1	1	1	1	4	1	1			2	100	
e. Wetland Areas		1	1	1	1	4	1	1			2	100	
f. Caves		1	1	1	1	4	1	1			2	100	
2. Attendance to trainings/seminars/ workshops/meetings and other activities related to GIS	trainings/seminars/ workshops/meetings attended	as the need arises											
III. STATISTICAL SERVICES													
1. Compilation/consolidation and review of statistical reports on protected areas	Reports reviewed and complied	16	16	16	16	64	16	16			32	100	

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	2018 PHYSICAL PERFORMANCE TARGETS						2018 PHYSICAL ACCOMPLISHMENTS				VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
and wildlife resources	Reports prepared/submitted to DENR CO	1	1	1	1	4	1	1			2	100	
3. Attendance to trainings/seminars/ workshops/meetings and other activities related to statistics	trainings/seminars/ workshops/meetings attended	as the need arises											
4. Regional coordination/validation of Statistical Reports including NAP	Regions visited Reports validated Reports submitted		5 6 6	5 6 6	6 5 5	16 17 17							
5. Assistance to National Statistical Month celebration	Assistance extended/ provided	as the need arises											
6. Technical assistance to student and other clientele	Assistance extended	as the need arises											
7. Preparation of monthly Summary Statistics on Wildlife Export based on the issuance of CITES permits	Reports prepared	3	3	3	3	12	3	3			6	100	
IV. Conduct of Learning and Development Activities	Trainings conducted	4	2	3	3	12	4	4			8	133	
V. Updating/populate database on caves, wetlands and BD-friendly (CaWED)	database maintained/updated												
1. Caves		1	1	1	1	1	1	1			2	100	
2. Wetlands		1	1	1	1	1	1	1			2	100	
3. BD-friendly		1	1	1	1	1	1	1			2	100	

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

[illegible]

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

[illegible]

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	2018 PHYSICAL PERFORMANCE TARGETS						2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
OPERATIONS			Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL			
NATURAL RESOURCES SUSTAINABLY MANAGED															
NATURAL RESOURCES CONSERVATION & DEVELOPMENT PROGRAM															
Protected Areas Development and Management															
1. Implementation of NIPAS															
1.1. NIPAS Establishment/ Declaration/ Disestablishment			No. of relevant documents for PA establishment/ disestablishment reviewed (dependent on submission from Regions)				2	2							
1.2. NIPAS Management															
a. PAMB Organization			No. of PAMBs appointments reviewed/processed	5	5	5	15	18	51			69	1380		
b. PAMB Operationalization			No. of Resolutions reviewed	8	8	8	8	32	31	4		35	219		
			No. of Minutes of Meeting review	15	15	15	15	60	9	3		12	40		
c. IPAF Establishment/ Operation			No. of SBR reviewed/ endorsed (dependent on the submission of Regions)	5	5	5		15	19	6		25	250		
			No. of collection and utilization reports reviewed	15	15	15	15	60	10	7		17	57		
d. PA Management Plans preparation/updating			No. of PAMPs reviewed		1	2	2	5							
e. PA Restoration			No. of reports reviewed			15	15	30							
f. SRPAO/SEAMS			No. of reports reviewed	3	3	3	3	12	3	8		11	183		
g. Biodiversity Monitoring System			No. of reports reviewed	15	15	15	15	60	2			2	7		
h. Special Use Agreements within PAS/MOA			No. of SAPA/MOA reviewed		1	1	1	3	1	4		5			

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
i. PA Law Enforcement	No. of reports reviewed	5	5	5	5	20	3				3	30	
j. Other PA Management Activities	No. of reports reviewed	15	15	15	15	60	62	66			128	427	
1.3. Ecotourism Development Program	No. of reports reviewed	5	5	5	5	20	1	6			7	70	
a. Site monitoring	No. of sites monitored			2	2	4							
b. Attendance to ETWG and NESC meetings	No. of meetings attended/facilitated			1	1	2							
1.4. Monitoring of NIPAS implementation	No. of sites monitored		5	5	5	15		4					
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	2	2	2	8		4			4	100	Monitored caves within R4A such as Kapiging Cave and Lawige Cave both classified as Class 1 located in Tayabas, Quezon. Another in R6 located within the island of Boracay namely Darkside of Paradise
2.2. Review and evaluation of Cave Assessment Reports/Mgt. Plans	no. of cave mgt. plan evaluated/validated	2	3	2	2	9	11				11	220	Six (6) Cave Assessment Reports reviewed: Guinbuditahan, Canbilo, Danao, Himokilan, Limno, and Lobo (R8)
2.3. National Cave Committee Operations	report/meetings conducted	1	1	1	1	4	1				1	50	Conducted last Feb 20, 2018 at DOT, Makati. Next meeting will be hosted by National Museum on July 3, 2018
2.4. Cave Management, Protection, and Conservation Strategy and Action Plan (CMPCSAP 2017-2028)	consultation/meeting conducted CSAP endorsed to OSEC/PTWG			1	1	2	2				2	100	Held a meeting last Feb 20, 2018 where draft SAP was presented to the NCC/RCC and concerned regional reps. Consultation was then conducted last Mar 21, 2018
2.5. Conduct of Cave Congress	meetings conducted/facilitated	1				1		1			1	100	18th Cave Congress conducted/

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	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
	co-hosting												accomplished at Jovellar, Albay
2.6. Procurement of Cave Equipment including supplies and materials for distribution to Region	Equipment, supplies and materials distributed to Regions	1				1						-	last May 1-5, 2018
3. Wetlands Conservation and Management Program													
3.1. Incentive scheme for Philippine Wetland Conservation Award	enhanced incentive scheme launched				1	1							For final presentation to TWG (ad hoc) based on the result of meeting
	no. of meetings conducted	1				1	1				1	100	last Feb 27, 2018
3.2. Monitoring/evaluation of wetland priority/ Ramsar/ecotourism site	no. of site monitored/evaluated	1	1	1	1	4	1				1	50	Conducted monitoring and site visit to Lake Manguao in Palawan last Jan 2018
3.3. Attendance/Participation to Ramsar Invitation meetings or other related international events	no. of meetings conducted/ attended		1			1		1			1	100	Attended meeting last Apr 17, 2018 re finalization and submission of Ramsar Resolution on promoting the conservation and wise use of intertidal wetlands and ecologically associated habitats
3.4. Review and evaluation of Wetland Assessment Reports (WIS)/Mgt. Plans	no. of wetland assessment report reviewed / mgt. plan evaluated /validated	1	1	1	1	4	25				25	1250	Reviewed and evaluated a total of 18 Wetland Assessment Reports and seven (7) Wetland Management Plans
3.5. AD-HOC Technical Working Group	report/meetins conducted		1		1	2	1				1	100	Conducted meeting last Feb 27, 2018
4. Urban Biodiversity Conservation and Management Program													
4.1. Assessment of selected pilot urbanized area/ region using the proposed guidelines on Urban Biodiversity	assessment of selected pilot area/region No. of meetings/workshops conducted		1	1		2					2	200	Coordination and meeting conducted last Mar 7, 2018 with Quezon City (LGU) as one pf the pilot sites. RTD on Urban BD conducted last May 2018.
5. Agrobiodiversity Conservation Program													
5.1. Profilling of existing enterprise/practices as potential biodiversity-friendly enterprises and agricultural practices within protected areas and/or other conservation areas	list of potential biodiversity-friendly enterprises and agricultural practices		1	1		2							
5.2. Assessment using the criteria for BD-friendly enterprises/practices within protected areas and/or other conservation areas	no. of enterprises within protected areas and other conservation areas			1	1	2							

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	2018 PHYSICAL PERFORMANCE TARGETS						2018 PHYSICAL ACCOMPLISHMENTS						VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL		Q1	Q2	Q3	Q4	TOTAL			
5.3. Building support of stakeholders in biodiversity conservation	no. of partner institutions/sectors engaged in biodiversity conservation: no. of BD-projects undertaken by partners	1	1	1	1	4			1				1	50	Collaboration was conducted last May 2018 with Phil. Junior Marketing Association (PUMA) during the celebration of the 2018 IDBD
6. Participation to meetings/consultation /workshops (local/international) in the implementation of Peatlands related activities/projects															
6.1. Monitoring of priority peatland site (Leyte Sab-a Basin)	Sites monitored		1			1		1					1	100	Monitored and accomplished last Mar 2
6.2. Assessment of identified peatland site	Peatland site assessed		1			1									
6.3. Attendance to meetings/consultation / workshops (local/international)					1	1			1						Attended consultation in Region sponsored by IRRi
7. Management and Administration of the Ninoy Aquino Parks and Wildlife Center (NAPWC)															
7.1 Outsourcing of Services															
7.1.1 Security Services (25 guards)	Security Agency Hired	1	1	1	1	1		1	1				1	100	
7.1.2 Park Maintenance and other Allied Services	No. of Job Orders (contracts)														
7.1.2.1 Park Grounds Utility Workers		25	25	25	25	25		25	25				25	100	
7.1.2.2 Driver/Messengerial Services		1	1	1	1	1		1	1				1	100	
7.1.2.3 Automotive Mechanic		1	1	1	1	1		1	1				1	100	
7.1.3 National Wildlife Rescue and Research Center (NWRRC) operation	No. of Job Orders (contracts)														
7.1.3.1 Animal Caretaker		5	5	5	5	5		5	5				5	100	
7.1.3.2 Biologist		2	2	2	2	2		2	2				2	100	
7.2 Park Maintenance Supplies	supplies procured	moving target													
7.3 Nursery Supplies	supplies procured	moving target													
7.4 Planting Materials for Pocket Landscape	materials procured	moving target													
7.5 Repair/Maintenance/Upgrading of Equipment	no. of equipment maintained	moving target													

Agency: OFFICE OF THE SECRETARY (OSEC)

Program/Project/Activity: Protected Areas Development and Management

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
7.5.1 Vehicles		4	4	4	4	4	4	4			4	100	
7.5.2 Chainsaw & Other Park Maintenance Equipment		5	5	5	5	5	5	5			5	100	
7.5.3 Office Equipment		moving target											
7.6 Repair/Maintenance of Buildings/Structures	no. of buildings/structures maintained	moving targets											
7.7 Fuel, Oil, Lubricants, etc	supplies procured	moving targets											
7.8 Office Supplies	office supplies procured	moving targets											
7.9 Meetings/Workshops/Seminars	no. of meetings attended/ conducted		1		1	2		1			1	100	
7.10 Production of Information Materials for Visitors	Information materials produced	1				1	1				1	100	
7.11 Contingency (i.e damages due to typhoons)		moving targets											

Operating Unit: **BIODIVERSITY MANAGEMENT BUREAU**

Program/Project/Activity: Protection and Conservation of Wildlife

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
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 threatened species conservation and management programs (Philippine Raptors, Tamaraw, Crocodiles, Marine Turtles, Dugong, Philippine cockatoo, Philippine tarsier, flying foxes)		regional reports evaluated Annual status reports submitted to the Director field monitoring reports	15	15	15	15	60	10	59		69	230	Philippine Raptors Conservation Program (PRCP) - Region 1 (1 report) - Region 9 (3 reports) - Region 10 (1 report) - Region 11 (2 reports) - Region 12 (2 reports) - Region 13 (1 report)
													Marine Turtle Conservation - Released Hawksbill turtle from Manila Ocean Park to Morong, Bataan on Mar 14-15, 2018 - Conducted nesting beach assessment, orientation on hatchery management and CEPA in Divilacan and Maconacon, Isabela on Mar 18-25, 2018 - Provided technical assistance to DENR R11 on the assessment and surgical removal of foreign object on a hawksbill turtle in Davao City
													Marine Turtles and Dugong encounter reports: - Region 3 (3 reports) - Region 4B (1 report) - Region 5 (5 reports) - Region 6 (6 reports) - Region 7 (33 reports) - Region 9 (4 reports) - Region 11 (3 reports) - Region 13 (2 reports)
</													

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS						2018 PHYSICAL ACCOMPLISHMENTS						VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL				
2. Asian Waterbird Census (AWC)	Regional bird count report reviewed	8	10			18	2				2	11	AWC Bird Count reports from Bani and Bolinao, Pangasinan and Sasman, Pampanga		
	AWC record updated		1			1									
	National AWC report submitted to Wetland International		1			1									
	AWC coordinators meeting/workshop conducted					1	1								
3. Establishment and management of Critical Habitats															
a. Review of CH proposals submitted by the Regions	proposals reviewed and evaluated	1	1	1	1	4	1				1	50	Re-endorsement of the revised draft DAO declaring portions of the Apayao Lowland Dipterocarp Forest as "Nagan-Maton Wildlife Critical Habitat"		
	evaluation results transmitted to the concerned Regions	1	1	1	1	4						-			
b. Review of CH Management Plans submitted by the Regions	management plans reviewed		moving target												
c. Monitoring of CHMP implementation	CH status reports submitted		2	3	1	6									
	- <i>Rafflesia schadenbergiana</i> CH														
	- Cabusao Wetland CH														
	- Malasi Tree Park and Wildlife Sanctuary														
	- Carmen CH														
	- LPCHEA														
	- Magsaysay critical Habitat														
	- Adams Wildlife CH														
4. Biodiversity Monitoring System (BMS)															
a. Review and evaluation of Regional BMS reports particularly on wildlife species monitored	evaluation results transmitted to NPD	3	3	3	3	12						-			
5. Purchase of technical and scientific equipment	equipment procured			1		1									
B. Ex-situ Conservation															
1. National Wildlife Rescue and Research Center (NWRRC)															
a. Technical assistance in the maintenance and care of confiscated, donated and rescued wild animals	No. of animals maintained	1050	1050	1050	1050	1050	1361	1578			1578	100			
b. Management of rehabilitated animals in pursuit of DAO 97-17															
b.1 Organization of the BMB Wildlife Disposition Committee	no. of meetings organized	1		1		2						-			
	no. of meeting minutes prepared		1		1	2									
b.2. Disposition of rehabilitated animals															

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
1.2. consultation meetings	report submitted		1	1		2							
2. Convention on Migratory Species (CMS)													
2.1. Participation to regional and international meetings/events	meetings attended report submitted				1 1	1 1							
2.2. Organization of National Sea Bird Working Group	meetings attended Working Group organized		1			1 1							
2.3. Inter-agency meeting on CMS COP12	meetings attended report submitted	1	1			1 1	1	1			1 1	100 100	Inter-Agency delegates post CMS COP12 meeting held at Sulo Riviera Hotel last Feb 13, 2018
3. Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)													
3.1. Participation in regional and international meetings/events													
3.1.1. ASEAN Experts' Group on CITES and Wildlife Enforcement	report submitted			1		1							

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
OPERATIONS													
NATURAL RESOURCES SUSTAINABLY MANAGED													
NATURAL RESOURCES CONSERVATION & DEVELOPMENT PROGRAM													
Management of Coastal and Marine Resources													
I. Program/Project Implementation													
A. CMEMP "Agos ng Buhay" Implementation													
1. Conduct of workshops, trainings and other forms of learning events related to:	No. of events conducted (trainings, workshops, and other forms of learning events)		Moving target				3	1			4	100	
- Technical and scientific aspects of CMEMP													
- Socio-economic and cross-cutting aspects of CMEMP													
- Conduct of consultations, workshops, orientations, LE													
2. BDFE Recognition and M&E - hiring of consultant and conduct of workshop	Consultant hired and workshop conducted		Moving target										
3. Financial Assistance for BDFEs (SAA to ROs)	BDFEs assisted thru the DENR field offices			1		1							
4. Conduct of cluster trainings on the CMEMP Database	No. of cluster trainings conducted	1	2			3		1			1	33	
5. CMEMP support and promotional materials development and production (e.g. coffee table book, AVP, and other CMEMP knowledge products)	Support materials developed, produced/purchased		Moving target										
6. Baseline study on Sedimentation and Pollution Load (for contracting)	Baseline study conducted at the end of 4th Qtr				1	1							

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

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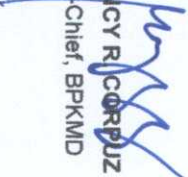
PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
1. Attendance to international trainings, conferences, fora and other learning events	Attendance to international events, reports submitted		Moving target										
2. Support to formal training on tropical marine ecosystems management	No. of DENR staff trained		Moving target										
3. Training on Damage Assessment, Response, Restoration and Monitoring of Natural Resources (DENR-USAID-NOAA)	Training conducted		1				1						
4. DENR BMB-NOAA Partnership Summit	Event (summit) conducted		1				1						
II. Program/ Project Monitoring and Evaluation													
1. Conduct of CMEMP Consultation-Assessment Workshops (including the updating of the logical framework and development of M&E Plan, among others)	No. of Consultation-Assessment Workshops conducted	1	1			1	3	1			1	50	
2. Monitoring and field validation of CMEMP implementation, including review of accomplishment reports submitted by ROs and other validation, coordination activities for related programs/projects on coastal and marine	No. of Monitoring activities conducted, No. of reports reviewed		Moving target										
III. Compliance to National and International/ Regional Commitment													
A. National and International/Regional Commitments													
1. Conduct of and attendance to national preparatory workshops, trainings, conferences, TWG Meetings, Re-echoing Workshop (e.g. DFA-related concerns, ASEAN, Ramsar, SSME, SSS, CBD, CMS, ICRI, APEC, AHP, EBSA, BBNJ, etc.)	No. of events organized/ attended		Moving target				5	1			6	100	

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	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
2. Attendance to International and Regional meetings, workshops, conferences, conventions 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)	No. of workshops attended		Moving target										
3. Habitat Survey and IEC/CEPA activities in Palawan (Taytay and Cuyo Island), Marinduque and Cebu (Ponson Island)	No. of habitat surveys and CEPA/IEC activities conducted	4				4							
4. Hosting of the 13th JMC-TIHPA Meeting (including pre-meetings, actual and post-meetings)	No. of Meetings conducted		Moving target										
5. Regular Operations of the National CTI Coordinating Committee (including maintenance of CT Atlas) - Planning Workshop on the results of the Review of the CTI National Plan of Action and Updating of the NPOA	No. of events conducted	3	3	3	2	11		1			1	17	
6. 14th CTI-CFF Senior Officials Meeting (SOM 14) and 7th Ministerial Meeting (MM7) - including preparatory and post meetings including CTI-CFF writeshop	SOM14 and MM17 conducted				1	1							
IV. Social Mobilization and Development/ Implementation													
1. Conduct of Month of the Ocean/YOR celebration activities	Activities conducted		1			1	2	3			5	500	
2. Conduct of CT Day activities (Nature-based tourism theme)	Activities conducted		1			1		2			2	200	
3. Conduct of ICC (with Marine Debris-related activities)	Activities conducted			1		1							

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2018 PHYSICAL PERFORMANCE TARGETS					2018 PHYSICAL ACCOMPLISHMENTS					VARIANCE	REMARKS
		Q1	Q2	Q3	Q4	TOTAL	Q1	Q2	Q3	Q4	TOTAL		
4. Production of Support Materials for the celebration of Month of the Ocean, CT Day, ICC, and for TIHPA popularization (marine turtles and dugongs)	Materials produced and disseminated	Moving target											
V. Program Management Support													
A. Hiring of Staff													
1. Database Management Specialist/Officer	Staff hired	1	1	1	1	1	1	1			1	100	
2. Assistant Project Coordinator	Staff hired	1	1	1	1	1	1	1			1	100	
3. GIS Specialist	Staff hired	1	1	1	1	1	1	1			1	100	
4. IEC Officer	Staff hired	1	1	1	1	1	1	1			1	100	
5. Monitoring Officer	Staff hired	1	1	2	2	2	1	1			2	100	
6. Environment Management Specialist	Staff hired	2	2	2	2	2	2	2			2	100	
7. Project Operations Control Officer	Staff hired	1	1	1	1	1	1	1			1	100	
8. Financial Management Officer - assigned at Accounting	Staff hired	1	1	1	1	1	1	1			1	100	
9. Budget Data Management Assistant - assigned at Budget	Staff hired	1	1	1	1	1					-		
10. Procurement Officer - assigned at Property/BAC Office	Staff hired	1	1	1	1	1	1	1			1	100	
11. Administrative Assistant	Staff hired	2	2	2	2	2	2	2			2	100	
12. Diver	Staff hired	1	1	1	1	1	1	1			1	100	
13. Driver/Messenger		2	2	2	2	2	2	2			2	100	

Prepared by:


NANCY R. CORPUZ
OIC-Chief, BPKMD

Approved by:


CRISANTA MARLENE P. RODRIGUEZ
OIC-Director