



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



JAN 31 2022

MEMORANDUM

FOR : The Undersecretary for Policy, Planning and International Affairs

ATTN : The Assistant Secretary for Policy, Planning and Foreign Assisted and Special Projects

The OIC - Director, Policy and Planning Service

The OIC - Chief, Program Monitoring and Evaluation Division

FROM : The OIC Director

SUBJECT : **SUBMISSION OF CY 2021 ANNUAL REPORT**

We are pleased to submit the Annual Report of the Biodiversity Management Bureau for CY 2021.

For your information and record.

NATIVIDAD Y. BERNARDINO



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



BMB202200325



Department of Environment and Natural Resources
BIODIVERSITY MANAGEMENT BUREAU



2021 ANNUAL REPORT

TABLE OF CONTENTS

I.	Executive Summary	1
II.	Operating and Financial Highlights of Accomplishments.....	3
1.	General Administration and Support Services	3
1.1.	General Management Supervision	3
1.2.	Human Resource Development	3
2.	Support to Operations	3
2.1.	Data Management including Systems Development and Maintenance	3
2.2.	Legal Services including operations against unlawful titling of Public Land	6
2.3.	Production and Dissemination of Technical and Popular Materials in the Conservation and Development of Natural Resources and Environmental Education.....	6
2.3.1.	Celebration of Special Events	6
2.3.1.1.	World Wetlands Day	6
2.3.1.2.	World Wildlife Day	7
2.3.1.3.	International Day for Biological Diversity	7
2.3.1.4.	Philippine Eagle Week	8
2.3.1.5.	Month of the Ocean	8
2.3.1.6.	World Ocean’s Day	9
2.3.1.7.	Coral Triangle Day	10
2.3.1.8.	International Coastal Clean Up	11
2.3.1.9.	Maritime and Archipelagic Nation Awareness Month.....	11
2.3.1.10.	Tamaraw Month	12
2.3.1.11.	World Migratory Bird Day.....	13
2.3.1.12.	International Year of Caves and Karst.....	13
2.3.2.	Production of Biodiversity-related materials	14
2.3.2.1.	PA Talk	14
2.3.2.2.	Our Fragile Earth: Protected Areas of the Philippines..	14
2.3.2.3.	Dalaw-Turo.....	15
2.3.2.4.	Biodiversity Sentinel	16
2.3.2.5.	BMB eLibrary.....	16
2.4.	Formulation and Monitoring of ENR Sector, Policies, Plans, Programs and Projects	17
2.4.1.	Policy Formulation	17
2.4.2.	Policy Review	21
2.4.3.	Preparation of Plans.....	22
2.4.4.	Monitoring of Plans/Programs/Projects on Biodiversity Conservation.....	22
2.4.5.	Capacity Building.....	23
2.5.	Natural Resources Management Arrangement/Agreement and Permit Issuances.....	25
2.5.1.	NIPAS Management.....	25
2.5.2.	Wildlife Resources Management.....	25
2.5.2.1	Wildlife Trade Regulation.....	25
2.5.2.1	Wildlife Law Enforcement.....	26
3.	Operations	27
3.1.	Enhanced Biodiversity Conservation	27

3.1.1.	Protected Area Management	27
3.1.1.1.	Implementation of NIPAS Act, as amended	28
3.1.1.2.	Managing Ninoy Aquino Parks and Wildlife Center.....	30
3.1.2.	Cave Management Program	32
3.1.3.	Wetlands Management Program	32
3.1.4.	Urban Biodiversity Conservation and Management Program.....	33
3.2.	Wildlife Resources Conservation Program	34
3.2.1.	Conservation of Threatened Species	34
3.2.1.1.	In Situ Conservation	34
3.2.1.2.	Ex Situ Conservation	35
3.2.1.2.1.	National Wildlife Rescue and Research Operations.....	35
3.2.2.	Wildlife Disease Surveillance.....	37
3.2.3.	Capacity Building on Wildlife Conservation.....	38
3.3.	Scaling up of Coastal and Marine Ecosystems Management Program (CMEMP)	39
3.3.1.	Coastal and Marine Direct Implementation of CMEMP	39
3.3.1.1.	Marine Protected Area Network (MPAN) Establishment and Strengthening	39
3.3.1.2.	West Philippine Sea (WPS).....	40
3.3.1.3.	Philippine Rise.....	40
3.3.1.4.	Biodiversity Friendly Enterprise (BDFE).....	41
3.3.1.5.	Capacity Building.....	42
3.3.1.6.	Technical Assistance.....	44
3.3.1.7.	Knowledge Management.....	45
3.3.2.	Partnership, Convergence, Technical Assistance and Support to other Coastal and Marine Related Concerns.....	45
3.3.2.1.	Manila Bay.....	45
3.3.2.2.	BMB-BFAR Convergence.....	46
3.3.3.	Monitoring and Evaluation.....	47
3.4.	International Commitments	48
3.4.1.	World Database on Protected Areas/World Database on Other Effective Area-Based Conservation Measures.....	48
3.4.2.	UNESCO World Heritage Site.....	48
3.4.3.	ASEAN Heritage Parks.....	49
3.4.4.	Association of Southeast Asian Nations (ASEAN) Working Group	49
3.4.4.1.	ASEAN Task Force on Peatlands (ATFP)	49
3.4.4.2.	ASEAN Working Group on Conservation and Biodiversity (AWGNCB)	49
3.4.4.3.	ASEAN Working Group on CITES and Wildlife Enforcement (AWGCWE).....	50
3.4.5.	Convention on Biological Diversity	50
3.4.6.	Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)	50
3.4.7.	Ramsar Convention	50
3.4.8.	Global Biodiversity Information Facility.....	50
3.4.9.	Coral Triangle Initiative.....	50
3.4.10.	30x30 Target for the Post Global Biodiversity Framework.....	50
3.4.11.	Biodiversity Beyond National Jurisdiction (BBNJ).....	52

3.4.12.	Intergovernmental Oceanographic Commission (IOC-UNESCO)...	52
3.5.	Foreign-Assisted Projects	52
3.5.1.	Pipeline Projects	52
3.5.1.1.	Seventh Operational Phase of the GEF Small Grants Programme in the Philippines.....	52
3.5.1.2.	Protecting Priority Coastal and Marine Ecosystems to Conserve Globally Significant Endangered, Threatened, and Protected (ETP) Marine Wildlife in South-Eastern Mindanao, Philippines.....	53
3.5.1.3.	Philippine Rise Integrated Conservation for Enduring Legacies through Ecosystem Support Services (PRICELESS)	53
3.5.1.4.	Focusing Strategic Actions on Sustainable Management of Natural Resources towards Rehabilitation and Preservation of the Key Biodiversity Area along Bataan Province to Manila Bay	53
3.5.1.5.	Coral Reef Rescue: Resilient Coral Reefs, Resilient Communities	53
3.5.1.6.	Effectively Managing an Ecological Network of Marine Protected Areas in the Large Marine Ecosystems in the ASEAN Region (ASEAN ENMAPS) – ACB-PEMSEA Joint Proposal.....	54
3.5.1.7.	Implementation of the Sulu-Celebes LME Regional and National Strategic Action Programs.....	54
3.5.1.8.	Strengthening Management Effectiveness of the National Protected Area System.....	54
3.5.1.9.	Preparation of the 7th National Report to the Convention on Biological Diversity under the enabling activity.....	54
3.5.1.10.	Enhancing Ecosystems Resilience in Protected Areas through Climate Risk Assessment, Adaptation and Mitigation.....	54
3.5.1.11.	Building a Biodiversity-Friendly Urban Development..	54
3.5.1.12.	Technical and Sustainable Finance Interventions Toward Strengthening Climate Resiliency of Communities and Marine Ecosystems.....	55
3.5.1.13.	Implementing Measures Towards the Effective Management of Invasive Alien Species (IAS) within Protected Areas in the Philippines.....	55
3.5.1.14.	Fostering Sustainability and Resilience of Production Landscapes for Food, Nutrition and Livelihoods Security by Unlocking the Benefits of Biodiversity and Genetic Resources in the Philippines.....	55
3.5.2.	Project Implementation	55
3.5.2.1.	Integrated Approach in Management of Major Biodiversity Corridors in the Philippines (BD Corridor Project).....	57
3.5.2.2.	Biodiversity Finance Initiatives (BIOFIN) Project	59

3.5.2.3.	Illegal Wildlife trade: Combatting Environmental Organized Crime in the Philippines (IWT) Project	63
3.5.2.4.	Implementing the National Framework on Access and Benefit Sharing of Genetic Resources and Associated Traditional Knowledge in the Philippines (ABS).....	64
3.5.2.5.	Sustainable Interventions on Biodiversity, Oceans and Landscapes (SIBOL) Project.....	65
3.5.2.6.	Biodiversity Conservation and Management of Protected Areas (BCAMP) Project.....	66
3.5.2.7.	GEF-7 Natural Capital Accounting and Assessment Project.....	66
3.5.2.8.	Ensuring Sustainable Benefits from Peatland through Protection and Wise Use (EsBenePeat).....	66
3.6.	Gender and Development (GAD)	66
3.7.1.	Women’s Month	66
3.7.2.	18-day Campaign Webinar to End Violence Against Women	68
4.	Policy Implementation Issues and Actions Taken	68
5.	Prospect for CY 2022	68

ANNEX

A. Physical and Financial Performance as of 31 December 2021

I. EXECUTIVE SUMMARY

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

Republic Act No. 11518, otherwise known as the General Appropriations Act of 2021, Section 41, provides for protection of biodiversity which states that: "All government agencies, offices and local government units shall ensure that protection of biological diversity is integrated and mainstreamed into their development programs and projects".

Several policies and specific activities supporting the protection and conservation of Protected Areas, critical habitats, wildlife, caves, wetlands, and coastal and marine areas were developed and accomplished. For CY 2021, the Bureau was able to prepare/draft a total of 21 targeted policies, of these, two (2) targeted policies were approved and 19 targeted policies were endorsed for approval. Aside from these targeted policies, the Bureau was also able to prepare/ draft 17 additional policies which were not originally targeted for 2021. Ten (10) were approved and seven (7) are awaiting approval.

On Protected Area Management, several consultations were conducted to strengthen the capacity of the regional and field office in the implementation of National Integrated Protected Areas System (NIPAS) Act, as amended.

On Cave Management Program, out of 3,197 caves identified (254 of these are within PAs), 1,230 caves were assessed, 769 were caves classified according to their beneficial use/s (Class I – 126; Class II – 516; and Class III – 127). Two hundred thirty-three (233) caves have cave management plans. On Wetland Conservation and Management, out of 461 inventoried inland wetlands, 344 are identified as inland wetlands of which 104 are found within PAs. Moreover, about 90 wetlands were assessed/profiled. 42 have wetlands management plans, of which 20 are within PAs.

Pursuant to RA 9147 otherwise known as the Wildlife Act, the Bureau implements the program on the conservation and protection of wildlife species that focuses on the protection of threatened species such as Philippine Eagle (*Pithecophaga jefferyi*), marine turtles, Philippine Cockatoo (*Cacatua haematuropygia*) and tamaraw (*Bubalus mindorensis*). On Wildlife Law Enforcement, the Bureau through Philippine Operations Group on Ivory and Illegal Wildlife Trade (POGI) accomplished 43 out of 20 case building operations. These operations were mainly composed of online investigations and surveillances including the intelligence reports received. Due to the pandemic, the actual law enforcement operations has decreased but the POGI still conducted 5 operations.

Coastal and Marine Ecosystems Management aims to comprehensively manage, address and effectively reduce the drivers and threats of degradation of the coastal and marine

ecosystems in order to achieve and promote sustainability of ecosystems services, food security and climate change resiliency for the benefit of the present and future generation. The Bureau, together with DENR Regional Offices, maintains and protects 75 NIPAS MPAs, two (2) priority areas (Verde Island Passage and West Philippines Sea, and the LGU-managed MPAs through technical assistance. The Bureau also provided support to Philippine Rise Marine Resource Reserve, Snake Island, Sulu Sulawesi Seascape, and Turtle Islands Heritage Protected Area.

The Bureau extended technical and financial assistance to eligible people's organizations in coastal communities with biodiversity-friendly social enterprises amounting to a total of Php47.8 million in 2021. Technical assistance were provided to 371 LGUs in crafting their ICM plans, which will be mainstreamed in the LGUs' comprehensive land use plans. This ensures that ICM strategies, programs, and important elements on sustainable development will be integrated in the local government planning processes, consistent with EO 533.

Despite the restriction brought about by COVID 19 Pandemic, the Bureau was able to accomplish targeted activities through conduct of regular management meetings and/or discussions to monitor the Bureau's performance; continuous communication with DENR Field Offices and other stakeholders; and, capacitation of BMB personnel in order to enhance and/or gain new knowledge and skills.

For CY 2021, the Biodiversity Management Bureau was able to achieve a Budget Utilization Rate (BUR) 96% for Obligations and 84% for Disbursements.

II. OPERATING AND FINANCIAL HIGHLIGHTS OF ACCOMPLISHMENTS

A. OFFICE PERFORMANCE

1. GENERAL ADMINISTRATION AND SUPPORT SERVICES (GASS)

1.1. General Management and Supervision

The Bureau submitted one (1) budget proposal, prepared one (1) budgetary document required by the Senate and Congress, conducted four (4) Full-Time Delivery Unit meetings, and submitted 51 various financial reports. Additionally, the Bureau processed 2,410 claims, 90 SAA and NTA, and prepared 44 financial reports, 7 Special Budget Requests for Fund 401 and 151.

The Bureau also prepared 7,214 indexes of employees' monthly contributions, premiums, loans among others. Forty-seven remittances to other government agencies and 204 remittances to BIR were also processed.

The Bureau handled 346 purchased orders/job orders/contracts and 313 vouchers necessary for the payment of all procurement. The Bureau also prepared and submitted the necessary procurement reports such as Monthly Report of Supplies and Materials Issued (RSMI), Quarterly Procurement Update, Report on the Physical Count of Inventories, Annual Procurement Program, Annual Inventory of Buildings and Structures and Annual Inventory of Equipment.

The Bureau was able to accomplish the approval of 696 LDDAP-ADA and 204 checks delivered/deposited to the Land Bank of the Philippines.

The Bureau maintains 19 motor vehicles, 10 Office Buildings and three (3) lots of air conditioning, electrical and water systems.

1.2. Human Resource Development

As part of the Learning and Development enhancement of the Human Resources Development Unit, the following activities were conducted: (1) GSIS Pre-Retirement Seminar on 28 April; (2) Orientation on Prime HRM on 7 May; (3) COVID 19 Tracing Orientation on 12 May; (4) Coaching and Mentoring on 21-22 July; (5) Gender Diversity and Social Inclusions on 16-26 August; and (6) Orientation on SOGIE on 9-10 November.

2. SUPPORT TO OPERATIONS

2.1. Data Management including Systems Development and Maintenance

The Bureau continues to populate the BMB and Clearing House Mechanism (CHM) Websites with the latest information and data related to biodiversity protection and conservation.

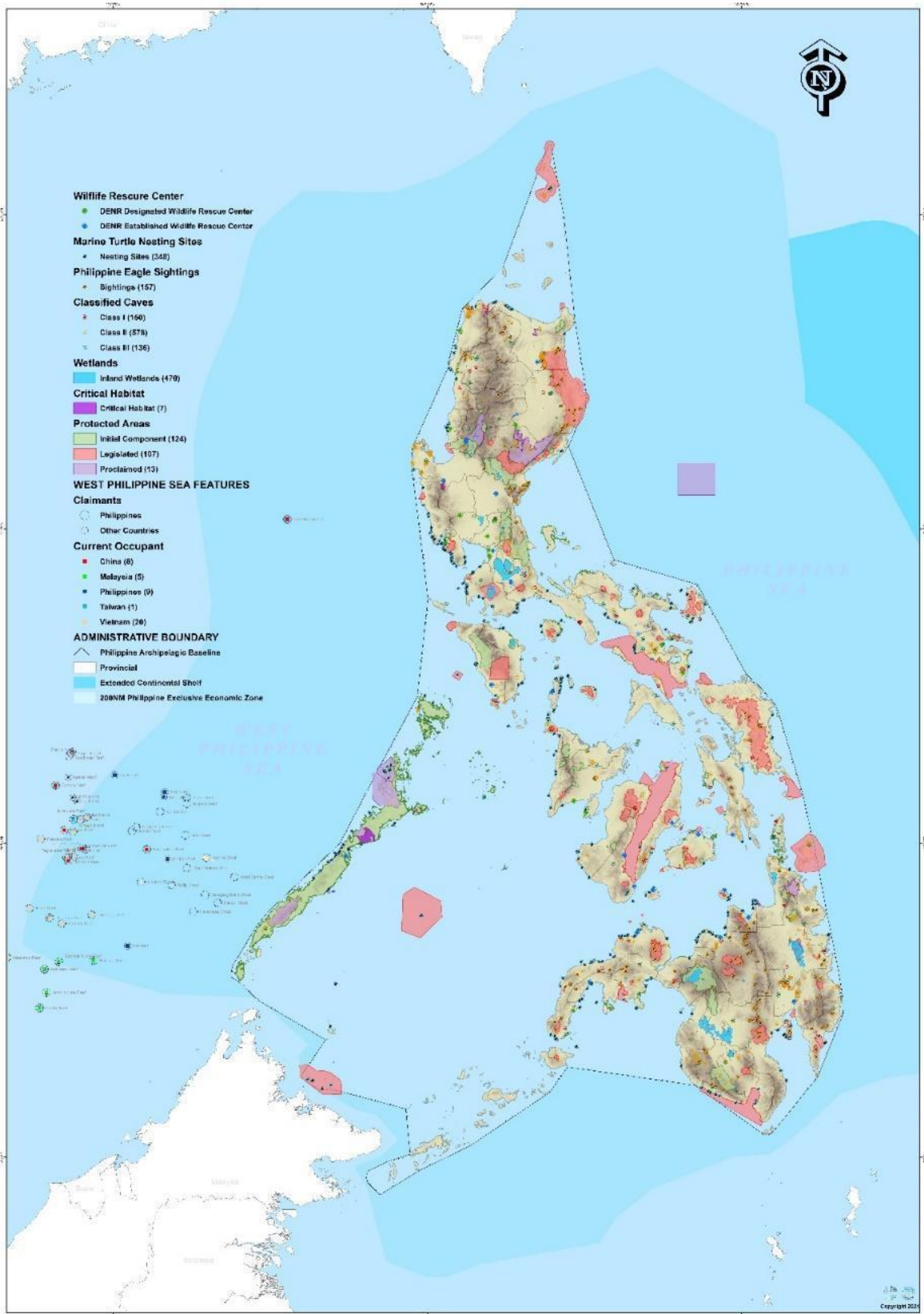


Figure 1. BMB Integrated Map 2021

In line with the development of the Protected Area Information System (PAIS), the Bureau conducted two (2) pilot testing on 20-21 April with Region 1, and on 22-23 April with Region 5. Additionally, three (3) User-acceptance testing were conducted on 1-2 June with NCR and Region 3, 3-4 June with CALABARZON, and 8-9 June with Regions 1 and 5. Development and further enhancement of the PAIS is still on-going based on the inputs gathered during the pilot and user acceptance testing. The Bureau plans to draft a User Manual for the information system.

The Bureau updated and maintained 1,022 spatial datasets of PAs, Critical Habitats, caves and wetlands. Moreover, 301 data were digitized from analog to spatial data. Figure 1 shows the integrated map of biodiversity areas in the Philippines.

BMB received 56 statistical reports from the 16 Regions and provided substantial comments and inputs to improve the reporting. Furthermore, the Bureau was able to compile and consolidate the 2020 reports and produce a PA and Wildlife Statistical Yearbook for 2020. This can be accessed at the BMB website through the following link: <https://bmb.gov.ph/index.php/resources/statistics>.

The Bureau participated in the celebration of 32nd National Statistics Month in October 2021 with the theme “NSM@32: Revving up for Economic and Social Recovery Through Evidence-Based Policies”

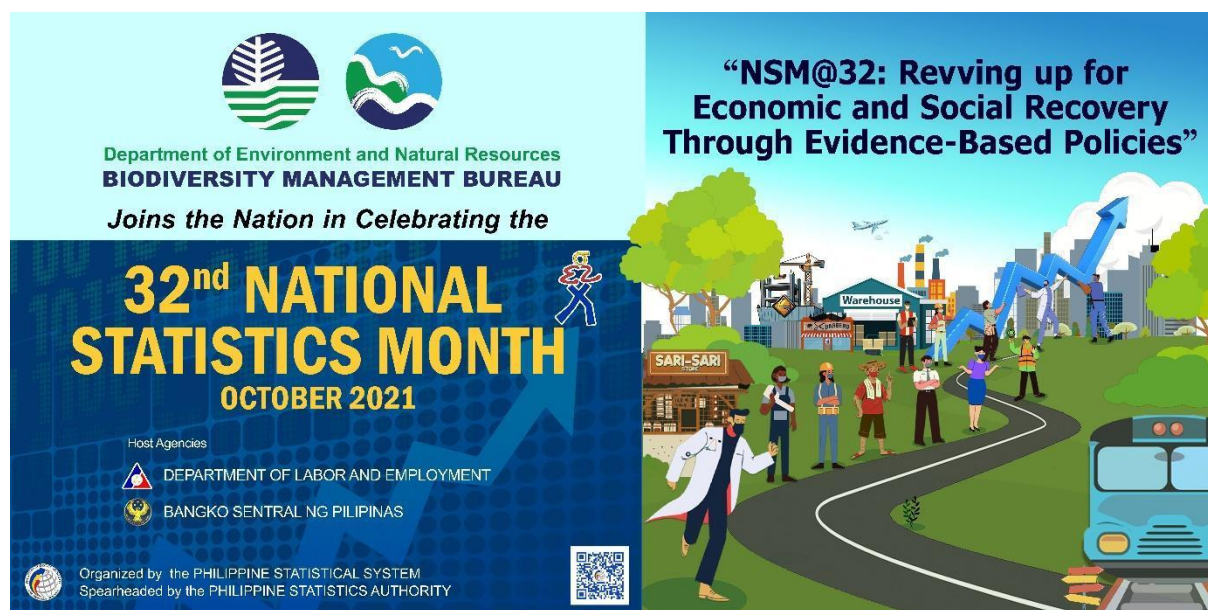


Figure 2. Streamer for the Celebration of the 32nd National Statistics Month

The Bureau conducted several capacity building for its employees to enhance their knowledge on data management. It conducted Basic Training on the use of Adobe Creative Cloud applications on 27-30 April; Training on the use of VMix, a live video streaming software on 4-6 May, and Basic Training on Geographic Information System using ArcGIS Software on 17-21 May.

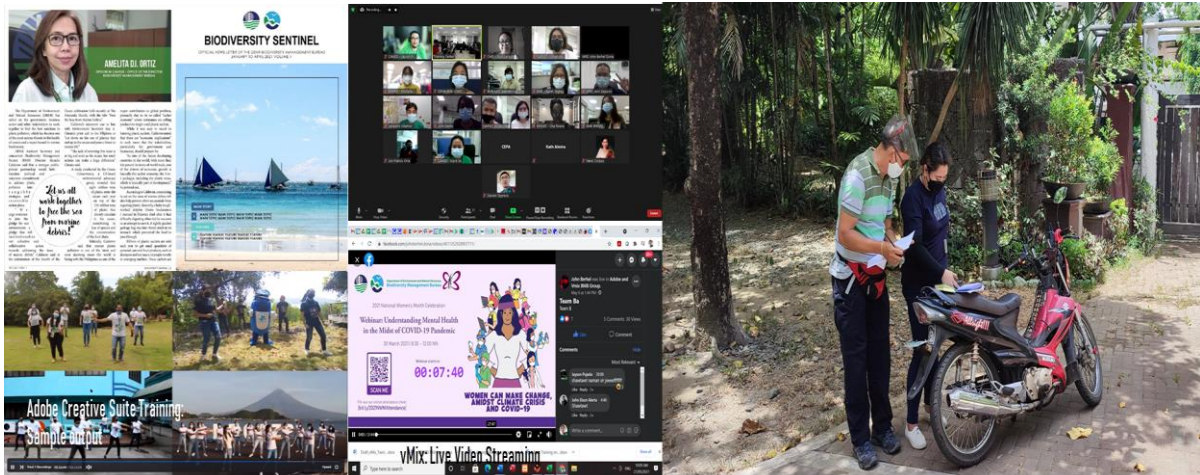


Figure 3. *Left to Right.* (1) Sample outputs of the participants during the training on Adobe Creative Cloud applications; (2) Sample outputs of the participants during the VMix Training, and (3) Participants used the GPS to map the NAPWC as one of the activities of the Basic Training on GIS.

2.2. Legal Services including Operations against unlawful Titling of Public Land

The Bureau evaluated 31 reports/investigation/evaluation of cases/contract related to PAs, wildlife, coastal and marine and admin matters. BMB also reviewed 751 MOA/MOU and contracts and attended 15 hearings, and prepared 27 reports on PA- related Bills, Budget hearings and other proposed bills.

2.3. Production and Dissemination of Technical and Popular Materials in the Conservation and Development of Natural Resources and Environmental Education

2.3.1. Celebration of Special Events

2.3.1.1. World Wetlands Day

With the Theme: Wetlands and Biodiversity, a Virtual celebration was held last February 2, 2021 in view of the country's commitment in the conservation of wetlands, caves and karst ecosystems. The event was participated in by 111 participants from DENR Regional Offices, invited partner organizations, private sector, NGOs, academe and other government agencies.

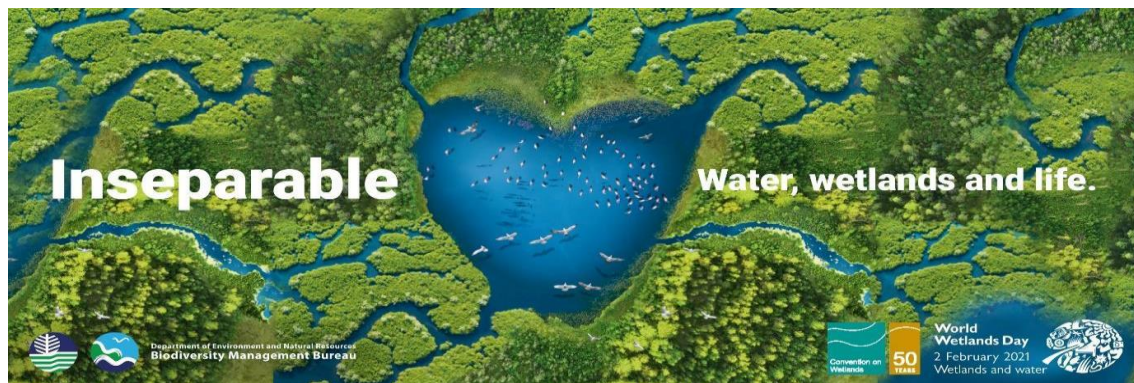


Figure 4. Banner for the Celebration of the World Wetlands Day

The Bureau celebrated the 50th anniversary of the signing of the Ramsar Convention, through various activities: provision of technical assistance in the inauguration of the Sasmuan Pampanga Coastal Wetland Ramsar Site, leading the turn-over ceremonies of equipment for a peatland project with PLDT-Smart in Agusan Marsh, and posting of knowledge materials on wetlands via the BMB Facebook page and website throughout the year.

2.3.1.2. World Wildlife Day

Every March each year, the Bureau celebrates World Wildlife Day (WWD). As part of the celebration, online contests nationwide namely Poster Making, Mobile Photography, and Jingle Making Contests were organized. Furthermore, the 8th Wildlife Law Enforcement Awarding Ceremony was held via Zoom.

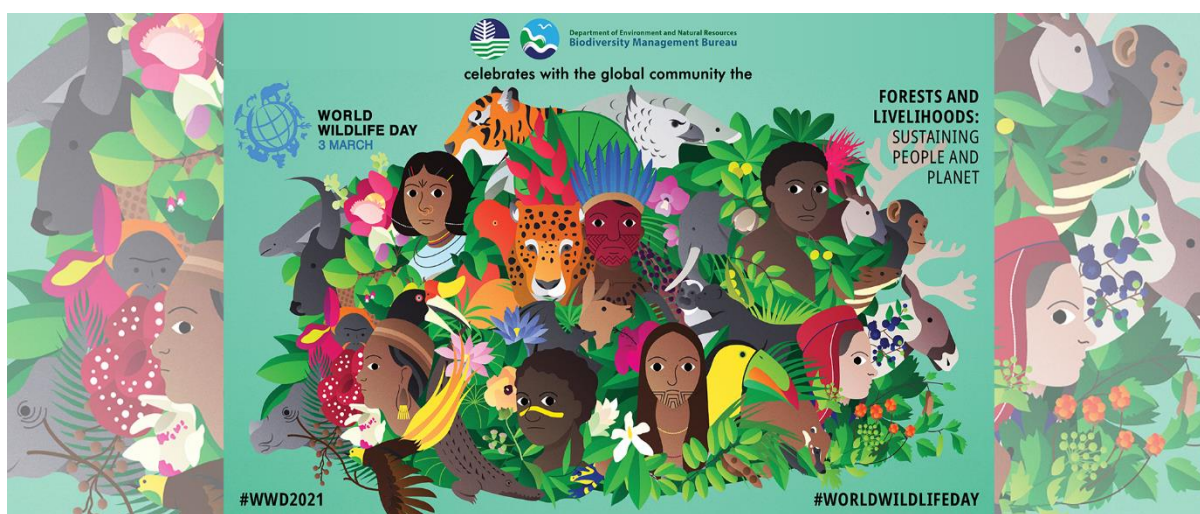


Figure 5. Banner for the Celebration of the World Wildlife Day

2.3.1.3. International Day for Biological Diversity

The Bureau participated in the celebration of the International Year of Biological Diversity (IDBD), an annual event held every 22nd of May. For 2021, the concept of Urban Biodiversity was promoted by tapping the talent and creativity of the general public through an open category Urban Biodiversity photo contest. The winners of the photo contest were announced via Zoom and Facebook Live on 21 May 2021. The virtual event ran for two (2) hours with 189 participants in Facebook Live and 50 participants in Zoom.



Figure 6. Banner for the Celebration of the International Day for Biological Diversity

2.3.1.4. Philippine Eagle Week

Philippine Eagle Week is celebrated every June 4-10 by virtue of Pres. Proclamation 79. The 23rd Philippine Eagle Week was celebrated through a webinar featuring the indigenous peoples as partners of the DENR in the protection and conservation of the Philippine eagle. It was attended by 241 participants from DENR and partner organizations.

Also featured during the week-long celebration is the Virtual Art Exhibit of Haring Ibon by the Philippine Fauna Art Society attended by 140 pax via Zoom.



Figure 7. Banner for the Celebration of the Philippine Eagle Week

2.3.1.5. Month of the Ocean

Every May of each year since 1999, the Month of the Ocean or MOO is celebrated as part of activities of the Department of Environment and Natural Resources. Partner agencies and organizations collaborate on the observance of MOO through the conduct of activities that highlight the conservation, protection, and sustainable management of Philippine coastal and ocean resources.

This year's Month of the Ocean theme, "The Science We Need for the Oceans We Want", is inspired by the United Nations Decade of Ocean Science for Sustainable Development (2021-2030).

This theme seeks to provide the stakeholders, especially the younger generation, a deeper appreciation and broader understanding of the importance and relevance of science in protecting and conserving the oceans, as well as encourages participation in this advocacy.



Figure 8. Banner for the Celebration of Month of the Ocean

2.3.1.6. World Oceans' Day

The United Nations has designated June 8 as the World Oceans Day (WOD) to raise awareness of the vital importance of our oceans and the role they play in sustaining a healthy planet. This year's theme, "Innovation for a Sustainable Ocean", is also relevant in the lead-up to the UN Decade of Ocean Science for Sustainable Development running from 2021-2030.

As the challenges to the ocean continue to grow, so is the need for novel solutions and the people driving them. Citizen science is among these innovative approaches. It provides first-hand data to researchers and scientists, and enhances the system for community mobilization, engagement, and participation.

The Bureau conducted a Webinar last June 8, 2021 for World Oceans Day featuring coral bleaching and set-up its current reporting and monitoring through citizen science.



Figure 9. Banner for the Celebration of World Ocean Day

2.3.1.7. Coral Triangle Day

The Coral Triangle Initiative on Coral Reefs, Fisheries, and Food Security (CTI-CFF) National Plan of Action (NPOA) aims to address the issues and the pressures that affect the present state of the country's resources and ecosystems.

The Philippines, is a member state of the Coral Triangle Initiative Coordinating Committee (NCCC). The NCCC is co-chaired by the DENR and DA by way of Executive Order No. 797 signed by former President Gloria Macapagal Arroyo in 2009.

Since 2012, the country has participated in the celebration of the Coral Triangle Day through various Communication, Education, and Public Awareness (CEPA) activities such as Science Camps, mangrove planting, coastal cleanups, and etc.

The Coral Triangle (CT) Day, which is celebrated every 9th of June, is an annual open-sourced event that brings together individuals, organizations, and establishments on one special day of the year to shed light on ocean conservation and the numerous ways to protect and conserve the Coral Triangle.

With this year's theme, "Driving Blue Recovery for Coral Triangle", the regions were invited to maximize the use of the social media platform to disseminate information on the country's participation in the Coral Triangle Day celebrations.

The theme recognizes the importance of promoting and supporting 'blue recovery' activities as a vital part of the CT6 member countries' recovery from the COVID-19 pandemic. The theme also resonates with World Oceans Day Theme - The Ocean: Life and Livelihoods.



Figure 10. Banner for the Celebration of Coral Triangle Day

2.3.1.8. International Coastal Cleanup

Under the Presidential Proclamation No. 470 issued in 2003, the third Saturday of September each year is declared as the International Coastal Cleanup Day in the Philippines. The observance of the 2021 International Coastal Cleanup (ICC) Day on September 18, 2021, and in to the adherence to the United Nations Decade of Ocean Science for Sustainable Development (2021 – 2030), the DENR adopted the UNESCO Ocean Decade Challenge 1 "Understand and Beat Marine Pollution" as the year's ICC theme. Adopting the Ocean Decade Challenge 1 will provide the people a broader understanding of the land and sea-based pollution and its potential impacts on human health and ocean ecosystems. The Regional Offices of the DENR were advised to conduct activities that limit mass gatherings to minimize exposure to COVID - 19 risks. The Bureau designed and provided collateral and publicity materials for the different DENR offices.



Figure 11. Banner for the Celebration of International Coastal Clean-up

2.3.1.9. Maritime and Archipelagic Nation Awareness Month

Recognizing the importance of the country's vast maritime domains and its potentials among Filipinos, President Rodrigo R. Duterte signed Proclamation No. 316 on September 14, 2017 declaring every September of each year as "Maritime and Archipelagic Nation Awareness Month" or MANA Mo. The presidential issuance mandates the protection of the nation's marine wealth in its archipelagic waters, territorial sea and exclusive economic zone, and reserves it exclusively to Filipino citizens. This policy encourages all agencies and instrumentalities of the National Government to implement programs and activities that seek to raise awareness and consciousness on maritime and archipelagic issues and concerns.

As such, BMB conducted a series of events as part of the MANA Mo celebration under the Philippine Priority Seascapes Week in the third week of September, highlighting the protection of marine biodiversity, and prevention of marine pollution. Among these is the Basic Maritime Law Orientation-Webinar attended by over 400 representatives from

different DENR Offices, including the Regional Offices, the Line and Staff Bureaus, and Attached Agencies.



Figure 12. Banner for the Celebration of MANAMO

2.3.1.10. Tamaraw Month

The DENR, through the Tamaraw Conservation Project (TCP) and the Provincial Governments of Oriental and Occidental Mindoro, in cooperation with partner organizations lined up several activities such Biodiversity Camp at Iglit Baco and screening of Suwag or Suko documentary to celebrate the Tamaraw Month. Held every October, this year's theme is "Tamaraw atin ito! Ipagmalaki mo bilang Pilipino".

The Celebration urges all government offices, agencies, and instrumentalities in the whole Island of Mindoro to implement activities geared toward the conservation of the Tamaraw and its habitats.



Figure 13. Banner for the Celebration of Tamaraw Month

2.3.1.11. World Migratory Bird Day

The Bureau participated in the celebration of World Migratory Bird Day 2021 on 9 October 2021, with the year’s theme “Sing, Fly, Soar – Like a Bird!”. The WMBD theme brings focus on the phenomena of “bird song” and “bird flight” as a way to inspire and connect people of all ages around the world in their collective desire and inherent responsibility to conserve and protect the migratory birds and the habitats they need in order to survive.



Figure 14. Banner for the Celebration of World Migratory Bird Day

2.3.1.12. International Year of Caves and Karst

The year-long campaign highlighted the children and youth through a week-long writing workshop for young aspiring writers from Luzon, Visayas and Mindanao on November 15-19, 2021. The Bureau conducted an Online Children’s Story Writing Workshop as the highlight of the celebration of the International Year of Caves and Karst (IYCK). This activity aimed to provide a meaningful opportunity for children and youth to understand, participate, and take action for wetlands, and cave and karst ecosystems.



Figure 15. Banner for the Celebration of the International Year of Caves and Karst

2.3.2. Production of Biodiversity-related Materials

2.3.2.1. PA Talk

PA Talk #ProtectedAreasForAProtectedFuture is an online webinar series that aims to promote public participation/involvement in the management and protection of protected areas by highlighting the features of protected areas and showcasing the various facets of PA management through the stories from the Protected Area Superintendents, Regional Executive Directors and other stakeholders. Two (2) episodes were streamed live via Facebook for CY 2021.

Episode 5: Aired on 26 January, the fifth episode revolved around the theme “Wetlands or wastelands, which way to go?”, in conjunction with World Wetlands Day. The episode featured Agusan Marsh Wildlife Sanctuary and Taal Volcano Protected Landscape. Moreover, the episode highlighted the importance of wetlands and the challenges they confront such as policy gaps and the various programs and activities to further the conservation and protection of wetlands.

Episode 6: In line with the celebration of World Oceans’ Day, the 6th episode featured the two marine protected areas: Tubbataha Reefs Natural Park in Cagayancillo, Palawan and Masinloc - Oyon Bay Protected Landscape and Seascape in Masinloc, Zambales. The episode discussed how these MPAs are being managed. Scientists and experts were invited to provide new strategies and approaches to better manage our MPAs. The episode aired on 25 May.



Figure 16. Social Media Cards for PA Talk 5 and 6

2.3.2.2. Our Fragile Earth: Protected Areas of the Philippines Season 3

The third season showcased eight (8) Protected Areas with Former Senator and now Deputy Speaker and Antique Representative Loren Legarda, and produced by the DENR-Biodiversity Management Bureau and Business Unusual Media Solutions, Inc.

Episode 1 – 22 August 2021– Pujada Bay Protected Landscape and Seascape and Sarangani Bay Protected Seascape

Episode 2 – 29 August 2021 – Amro River Protected Landscape and Talaytay Protected Landscape

Episode 3 – 5 September 2021 – Simbahan Talagas Protected Landscape and Dinadiawan River Protected Landscape

Episode 4 – 12 September 2021 – Quezon Protected Landscape and Masinloc and Oyon Bay Protected Landscape and Seascape

The episodes can be watched in ANC YouTube Page: <https://www.youtube.com/watch?v=644Pd5mx8TU&list=PLm34qRgqWBU5Z0z4uVEC aULW-uemzV2ND>

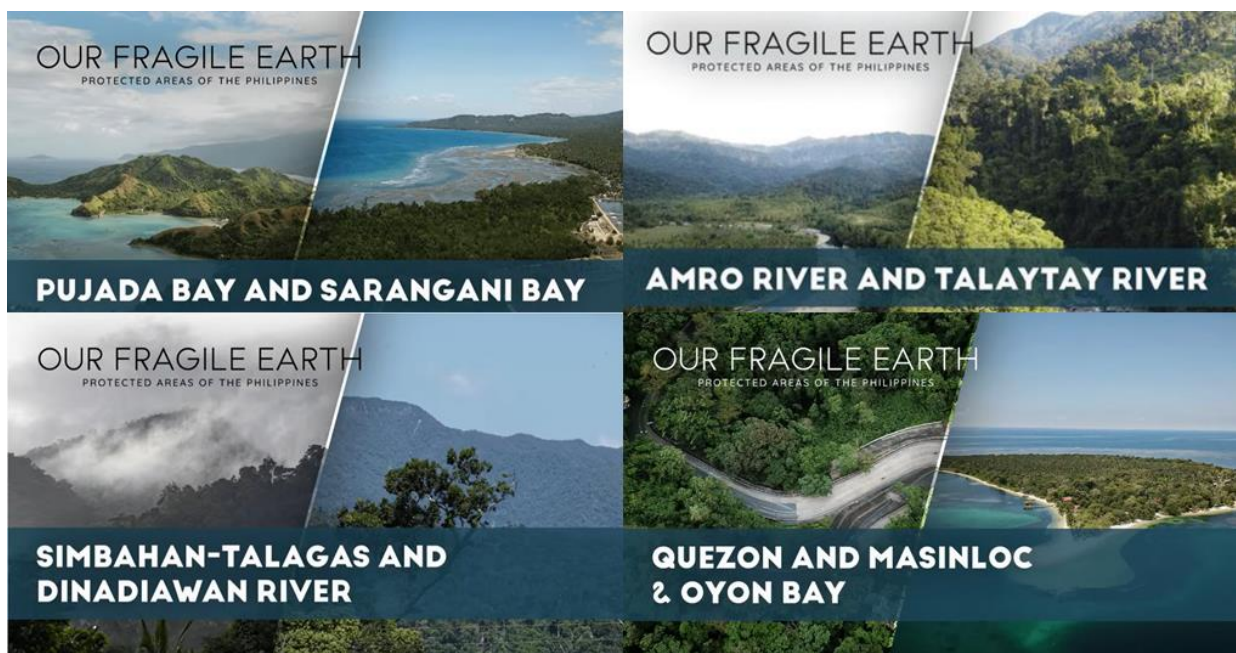


Figure 17. Featured Protected Area on Our Fragile Earth: Protected Areas of the Philippines Season 3

2.3.2.3. Dalaw-Turo

One CEPA strategy that effectively contributes to the protection and conservation of biodiversity is the Dalaw-Turo (DT). DT lectures for schools and communities teach the importance and status of our country’s biodiversity, promote conservation, and deepen understanding of pressing environmental issues.

To adapt to the pandemic situation, the Online Dalaw-Turo web series was produced and shown in DENR-BMB’s online platforms. The DT series featured engaging, relatable and playful content, especially targeted toward children and youth. “Samot-Sari” show which runs for 20-40 minutes features biodiversity hero, Super Sari, who helps the children know more about Philippine biodiversity and teaches ways on how to conserve it.

2.3.2.4. Biodiversity Sentinel

The Bureau produced the second and third issues of the Biodiversity Sentinel covering July to December 2020 and January to June 2021, respectively. The copies of the newsletter can be download through the following link:

<https://bmb.gov.ph/index.php/resources/downloadables/publications/newsletter>



Figure 19. BMB Official Newsletter “Biodiversity Sentinel” second and third issues (left to right)

2.3.2.5. BMB eLibrary

The Bureau formally launched its digital library last 17 November, as part of the International Year of Caves and Karst 2021 celebration. The eLibrary can be accessed by the public for DENR-BMB resources and those from other DENR offices. This is in compliance with the DENR Administrative Order No. 16, which states that, “The DENR, its attached bureaus, and regional offices should establish their own libraries to promote and improve sustainable development of natural resources and the environment.” A digital library or eLibrary augments existing information services from traditional librarianship reinforced by current Information Technology and Knowledge Management practices.

The library offers a comprehensive biodiversity collection that users can browse through the Online Public Access Catalog (OPAC). The OPAC is a web-based catalog of the library's holdings and allows remote 24/7 access for multiple concurrent users. This is to match the current fast paced living dynamics where information is needed on the go, anytime and anywhere.

The variety of the library collection includes print, digital, and audiovisual materials for the users' perusal. Relevant references from other DENR offices were selected for inclusion.

2.4. Formulation and Monitoring of ENR Sector, Policies, Plans, Programs and Projects

2.4.1. Policy Formulation

For CY 2021, the Bureau drafted a total of 21 targeted policies of these, two (2) targeted policies were approved and 19 targeted policies were endorsed for approval.

Specifically, the approved policies included in the targets for CY 2021 are:

- BMB Technical Bulletin
 1. BMB Technical Bulletin 2021-03 – Guidelines on the use of the Integrated Protected Area Fund (IPAF) Protected Area Retained Income Account (PA-RIA), Special Account in the General Fund (SAGF), and Protected Area Trust Receipts (PA-TR), and providing the criteria for the allocation of funds deposited under the IPAF-SAGF in the National Treasury
 - approved by the BMB Director on 4 August 2021
 2. BMB Technical Bulletin 2021-05 – Guide in the Formulation of Local Biodiversity Strategy and Action Plan
 - approved by the BMB Director on 14 October 2021

The endorsed policies awaiting approval, which are included in the CY 2021 targets are:

- DENR Administrative Order
 3. Enhancing Biodiversity Conservation and Protection on Large-scale Mining Operations
 - endorsed to the DENR-PTWG last 18 August 2021
 4. Revised JAO of the Implementing Rules and Regulation of RA 9147
 - endorsed to the DENR-PTWG last 24 November 2021
 5. Guidelines on the Immediate Eviction of Offenders from Protected Areas in Cases of Emergency and Delegation of Authority to Regional Executive Directors
 - endorsed to PTWG on 5 October 2021 and deliberated on 4 November 2021
 6. Policy recommendations on integrating biodiversity in infrastructure sector
 - endorsed to BMB TRC on 20 December 2021

7. Guidelines on the Management of Caves
 - reviewed during the BMB-TRC Meeting on 20 August and 29 September 2021
8. Guidelines on the Management of Inland Wetlands
 - endorsed to BMB TRC on 18 October and was deliberated on 10 November 2021
9. Establishing the Urban Biodiversity Program and its Implementing Guidelines
 - endorsed to BMB TRC on 22 September 2021
10. Guidelines to Define Large-Scale Agriculture and Aquaculture Project
 - endorsed to the BMB-TRC last 18 November 2021
11. Amendment of DAO 99-45 on Crocodile Farming
 - endorsed to NRDC on 7 December 2021
12. List of threatened species for commercial breeding
 - endorsed to the BMB-TRC on 7 December 2021
13. List of Other Wildlife Species (OWS)
 - endorsed to the BMB-TRC on 7 December 2021
- DENR Memorandum Circular
 14. Additional List of Classified Caves for 2021, Errata on DMC 2012-03 and 2015-09 and reclassification of Caves in Regions 4A and 5
 - endorsed to the DENR-PTWG on 18 August 2021
- BMB Technical Bulletins
 15. Guidelines on the designation and recognition of Wetlands of National Importance
 - endorsed to BMB TRC on 23 December 2021
 16. Guidelines prescribing the template of Memorandum of Agreements in PAs
 - endorsed to BMB TRC on 28 October 2021
 17. Guidelines in the preparation of State of PA Report
 - endorsed to BMB TRC on November 2021
 18. Guidelines on the Development of Response Action Plan for Marine Related Disaster Incidences Within the NIPAS Marine Protected Areas (NIPAS-MPA)
 - endorsed to BMB TRC on 29 December 2021

19. Ecological Considerations on Mariculture Establishment and Operations within NIPAS Marine Protected Area
 - endorsed to BMB TRC on 30 June and deliberated on 20 August and 5 October 2021
20. Guide in Mainstreaming the Integrated Coastal Management (ICM) Approach to the Local Government Units' Comprehensive Land Use Plan (CLUP)
 - endorsed to BMB TRC on 20 December 2021
21. Guidelines on the Implementation of the Social Marketing and Mobilization Component of the Coastal and Marine Ecosystems Management Program (CMEMP)
 - endorsed to BMB TRC on 20 December 2021

Aside from these targeted policies, the Bureau drafted 17 additional policies which were not originally targeted for 2021. Of these, ten (10) were approved and seven (7) are awaiting approval.

The approved policies which are not targeted for CY 2021 are:

- DENR Administrative Order
 1. DAO 2021-13 Guidelines for the Development and Recognition of Biodiversity-Friendly Enterprises (BDFEs) in Protected Areas under the National Integrated Protected Area System (NIPAS) and Conservation Areas, Providing for Incentives and Supporting Mechanisms
 - approved by the DENR Secretary on 21 May 2021
 2. DAO 2021 – 34 re: Guidelines for the Establishment and Implementation of the Cave Management, Protection and Conservation Program (CMPCP)
 - approved by the DENR Secretary on 8 November 2021
 3. DAO 2021-36 re: Declaring Sasmuan Bangkung Malapad Coastal Wetland situated at Bangkung Malapad Brgy. Batang 2nd, in the Municipality of Sasmuan, Province of Pampanga as Critical Habitat and Ecotourism Area
 - approved by the DENR Secretary on 23 November 2021
 4. DA-DENR JAO 2021-01 re: Mainstreaming Biodiversity Friendly Agricultural Practices (BDFAPs) In and Around Protected Areas and Promoting the Same in Wider Agricultural Landscapes
 - approved by the DENR and DA Secretaries on 6 October 2021
- DENR Memorandum Circular
 5. DMC 2021-05 re: Additional List of Classified Caves for 2020 and Errata on DMC 2014-03 and 2018-09
 - approved by the DENR Secretary on 6 May 2021

- BMB Technical Bulletin
 6. BMB TB 2021-01 re: Standards on the Production and Layout of Cave Maps
 - approved by the Director on 2 June 2021
 7. BMB TB 2021-02 re: Protocol on the Use of Caves as Practicum Sites for Cave-Related Trainings
 - approved by the Director on 18 June 2021
 8. BMB TB 2021-04 re: Guidelines on Urban Biodiversity Management Planning
 - approved by the Director on 6 April 2021
- BMB Memorandum Circular
 9. BMB MC 2021-01 re: BMB Compliance to Commission on Audit Circular 2009-01 as a Subject of Audit Observation Memorandum (AOM) 21-001 and Other Reminders from the Bids and Awards Committee
 - approved by the Director on 15 September 2021
 10. BMB MC 2021-02 re: Adoption of the BMB Procurement Guide as a Manual to Guide End-Users Through the Procurement Process of the Bureau
 - approved by the Director on 05 November 2021

Furthermore, the endorsed draft policies which are not targeted for CY 2021 are:

- DENR Administrative Order
 11. Draft DAO re: Guidelines on the Registration of Threatened and/or Economically Important Species of Wild Flora, including CITES listed and threatened exotic in the possession of individuals, establishments, or institution engaged in the propagation and trade thereof
 - endorsed to the PTWG on 15 January 2021
 12. Draft DAO re: Continuous Registration of Threatened Endemic and Exotic and Non-Threatened Wildlife Species
 - Endorsed to the PTWG on 15 January 2021
 13. Draft DAO re: Establishing Protocol for Managing Human-Crocodile Conflict in the Philippines
 - Endorsed to the PTWG on 23 June 2021
 14. Draft DAO re: Guidelines on the Implementation of Environmentally-Friendly Diving and Snorkeling (EDS) Practices in All National Integrated Protected Areas System – Marine Protected Areas (NIPAS-MPAs) and other Conservation Areas
 - Endorsed to the PTWG on 23 June 2021

- DENR Memorandum Circular

15. Draft DMC on Cave Re-classification

- endorsed to the PTWG on 15 December 2021

16. Draft DA-DENR-DILG-LGUs JMC re: Guidelines on the Establishment and Management of Marine Protected Area Networks

- endorsed to DENR PTWG on 8 June 2021

17. Draft DA-DENR-NCCA-NCIP JMC re: Rules and Regulations governing the Joint Confirmation and Recognition of Nationally Important Agricultural Heritage System (NIAHS) and Providing Appropriate Mechanisms for their Dynamic Conservation and Sustainable Use

- endorsed to the PTWG on 24 November 2021

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

1. MOA between DENR and National University of Singapore on “Investigating Species Limits of Endemic Birds of the Philippine Archipelago”

- approved by DENR Secretary in June 2021

2. MOA between DENR and AgResearch Limited on “Pacific Response to Coconut Rhinoceros Beetle: Biocontrol and Integrated Pest Management (2019-2024)”

- endorsed to the Office of the Secretary in July 2021

3. MOA between DENR and Tokyo University of Agriculture and Technology (TUAT) on “Whole Genome Sequencing of *Pichia kudriavzevii* and Transcriptional Characterization of Genes involved in Ethanol Fermentation”

- endorsed to the Office of Secretary on 16 August 2021

2.4.2. Policy Review

The Bureau conducted ten (10) Technical Review Committee Meetings and deliberated a total of 27 policies for approval of the BMB Director and/or endorsement to the DENR PTWG.

The Bureau reviewed documents related to protected areas: 71 draft guidelines, policies, regulations, resolutions, bills, MOAs; 154 House Bills and Senate Bills; and 59 proposals, and attended 27 meetings and hearings.

Forty-two guidelines, policies, regulations, bills, resolutions, and MOAs/MOUs were also reviewed, with BMB technical staff providing substantial inputs related to caves, wetlands and urban biodiversity.

The Bureau received documents related to wildlife protection and conservation, and from these, 13 position papers were prepared and 22 proposals were reviewed.

Moreover, two (2) species conservation and management plans were drafted on Hornbill and Flying fox after three (3) consultations. The Flying Fox Conservation and

Management Plan 2022-2032 was submitted to the TRC on 9 December, while the Hornbill Conservation and Action Plan was submitted on 29 December.

The Bureau also reviewed 33 House bills, 4 Substitute Bills, 9 guidelines and 5 other relevant policies related to coastal and marine resources management.

2.4.3. Preparation of Plans

The Bureau also submitted within the deadline, the 2022 BMB Work and Financial Plan, 2022-2021 Forward Estimate on the Biodiversity Sector, and the Office Performance Commitment and Accomplishments (one commitment and two accomplishments).

2.4.4. Monitoring of Plans/Programs/Projects on Biodiversity Conservation

The Bureau prepared and submitted reports on the following accomplishments: 12 monthly reports, 4 quarterly report and one (1) Annual Report

The Bureau produced and disseminated 50 copies of the 2020 BMB Annual Report. The soft copy may be downloaded through the following link: <https://bmb.gov.ph/index.php/resources/downloadables/publications/reports?download=435:bmb-annual-report-2020>

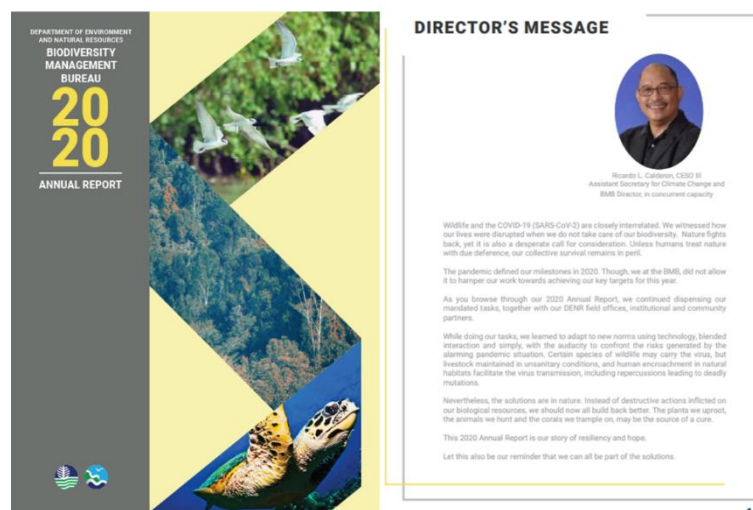


Figure 20. BMB 2020 Annual Report

The Bureau conducted desk validation of the Regional Accomplishments on Biodiversity Conservation and Scaling-up Coastal and Marine Ecosystems of the following regions: Region 3, 4A, 6 and 9. Their submitted accomplishment reports were reviewed based on their presentation during the National Planning Workshop, PA Consultation Hour, and CMEMP Feedbacking and Assessments.

The Bureau also monitors and reviews its accomplishments, milestones, issues and concerns through the conduct of senior staff meetings and bureau level assessment workshops. For CY 2021, the Bureau conducted eight (8) senior staff meetings, a strategic planning workshop on 8 October, a mid-year assessment on 22-23 June and a Year-end Assessment on 10 December 2021.

2.4.5. Capacity Building

Foreign –Assisted Projects (FAPs) Orientation

The BMB-FAPs orientation aimed to orient and level-off on the existing and in-the-pipeline foreign-assisted projects, to identify complementation activities and/or possible areas of complementation that will contribute to the formulation of policies/guidelines on BD, knowledge management, capacity building, etc., and to share lessons and best practices as bases in ensuring effective and efficient implementation of FAPs. At total of 51 participants from BMB, DENR FASPS and BMB Projects participated in the orientation.

The activity highlighted FAPs role in supporting projects consistent with BMB’s mission of conserving and sustainably managing the country's biodiversity. The key to ensuring sustainability of outcomes and outputs of these projects is through alignment and integration of the activities and components of FAPs with the existing programs on biodiversity conservation.

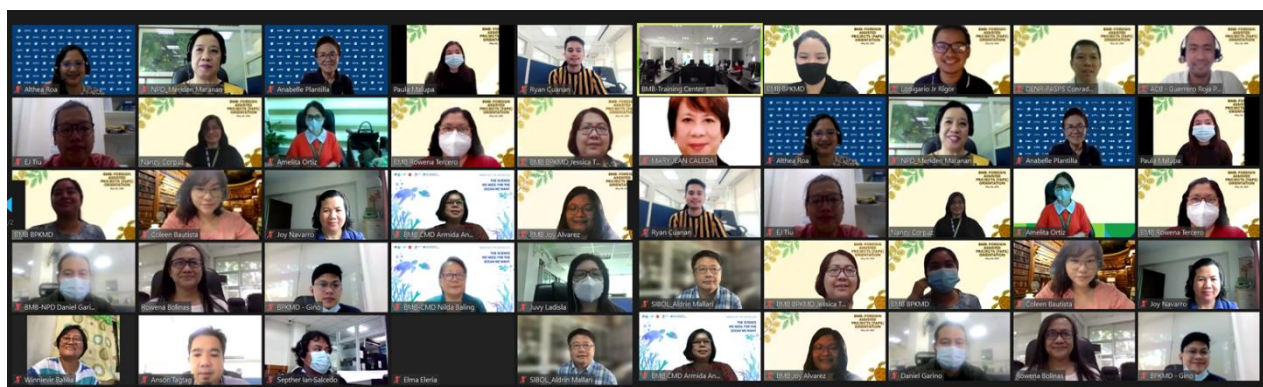


Figure 21. Participants of FAPS Orientation

Quality Management Audit Training

The Training aimed to develop the participants’ knowledge and understanding of the concepts, principles, techniques and practices of performing an effective internal audit in accordance with ISO 19011:2018. It specifically aimed to enhance participants’ knowledge and skills in performing QMS Audit from planning to execution and reporting of audit findings; and review/enhance the QMS Documents such as Audit Plan/Program, Audit Itinerary, Audit Checklist, Audit Findings report, Audit forms and Internal Quality Audit (IQA) Forms, and Corrective Action Request (CAR)/Request for Action (RFA) from the conducted simulation audit.

The training was participated in by 31 BMB Staff, focusing on studying three (3) modules: (1) Audit Principles and Terminologies, (2) Understanding the requirements; and (3) Managing the Audit Program.

The Training helped the Bureau in conducting IQA of BMB Divisions and Units in September 2021 and Management Review on 5 November 2021.

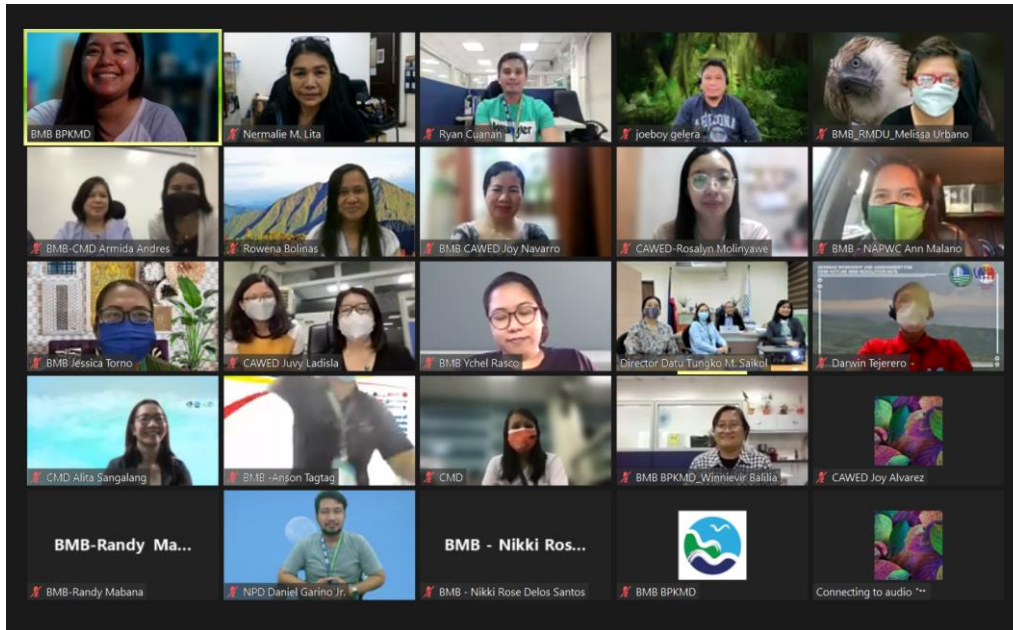


Figure 22. BMB Management Review on 5 November 2021

Learning Event on Environmental Impact Assessment 102

The learning event aimed to advance the capacity of BMB staff in undertaking the EIA review process; to revisit the EIA biodiversity checklists submitted to EMB; to simulate the actual conduct of the EIA Technical Scoping using the biodiversity checklists; and to generate an EIA report focusing on the proposed project's effects on biodiversity. The three-day event was participated by 36 BMB Staff.

The learning event conducted site visits in Las-Piñas-Parañaque Wetland Park (LPPWP), Manila Baywalk Dolomite Beach, and in the Navotas/ Tanza Marine Tree Park.

The learning event identified important considerations to improve inclusion of biodiversity in the issuance of ECC/EIS namely:

- 1) Proposed revision or updating of the criteria on the classification or categorization of ECP and ECA (to include other ecosystems such as caves, critical wetlands, and other effective area-based conservation measures (OECM));
- 2) Strengthen penalties and fines in Section 9 of PD 1586 to reflect percentages of net profit or other more apt valuation instead of fixed numerical value of Php50,000;
- 3) Participation of biodiversity sector in other EIA processes/ steps (i.e. preparation of ECC (Approval) or non ECC (Denial); and
- 4) Membership of DENR (e.g BMB, CDD/ PASU/ PAMB) representative in MMT.

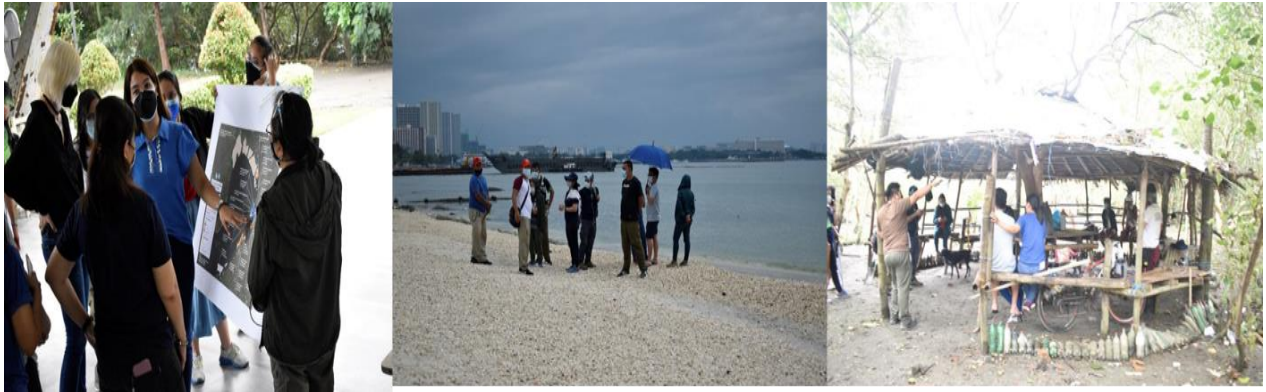


Figure 23. Learning Event on EIA. Site Visit. Left to right. Las-Piñas-Parañaque Wetland Park (LPPWP), Manila Baywalk Dolomite Beach, Navotas Marine Tree Park

2.5. Natural Resources Management Arrangement/Agreement and Permit Issuances

2.5.1. NIPAS Management

The Bureau reviewed/acted on/ endorsed to the Secretary the following Tenure Instruments within PAs the following: four (4) PACBRMA Applications, six (6) reports related to PACBRMA and 33 SAPA proposals.

2.5.2. Wildlife Resources Management

2.5.2.1. Wildlife Trade Regulation

For CY 2021, the Bureau processed and issued a total of 701 CITES Permits (export=458; re-export=64, import=701) generating a total income of Php 1,914,929.38. Furthermore, the Bureau also processed four (4) gratuitous permits.

The Bureau monitored eleven (11) farms/facilities that maintain CITES-listed species. These farms/facilities were Del Mundo trading in Mindoro, Majestic Balls and Reptiles in Cagayan, EDA Aviary, Arman Laxa Aviary, Lady Let Orchids and Greens, A.S Twano Farm, Global Zoo and Alliance Theme Park, ATM Bird Collection, Jay-C Nunez Farm, Goldwing Birds International, and Coral-agriventure Farms in Region 3. Recommendations/observations were provided to the concerned DENR Regional for guidance.



Figure 24. Monitoring of farms facilities maintaining CITES-listed species. Left to right: ATM Bird Collect, EDA Aviary, and Jay-C Nunez Farm

On the review of risk assessment of GM Crops, the Bureau evaluated five (5) biosafety applications.

The databases on CWR, WFP, Importation Report, CITES Permits issued and Regional WRC were updated based on the 64 reports received from the Regional Offices and CITES Permits issued by the Bureau.

The eCITES PH was already pilot-tested with DENR NCR personnel and eight (8) permittees. The Electronic Payment Portal (ePP) facility for the payment of CITES permits was established through a Memorandum of Agreement (MOA) between the BMB and the Land Bank of the Philippines (LBP). The eCITES PH was introduced in several trainings and webinars such as the webinar on wildlife permitting and wildlife regulation for DENR Regions CAR, 3 and 5.

2.5.2.2. Wildlife Law Enforcement

The Philippine Operations Group on Ivory and Illegal Wildlife Trade (POGI) accomplished 43 out of 20 case building operations. These operations were mainly composed of online investigations and surveillance including the intelligence reports received. Due to the pandemic, the actual law enforcement operations had decreased but the POGI still accomplished 5 operations. The recent operation was on December 3, 2021 and the group confiscated Tegu and Bearded Dragon. The POGI also attended 9 court hearings both online and face-to-face.



Figure 25. Some of the confiscated animals during the actual wildlife law enforcement

In addition, the WildALERT system for fauna, a component of the USAID Protect Wildlife project, was turned-over to the Bureau early this year. The Bureau in partnership with the IWT ADB-GEF Project developed an upgraded WildALERT to include flora. The system is an application that can be downloaded to cellular phones and tablets. Its features are species identification and reporting of illegal wildlife trade. The system can also capture geotagged photos and submit reports even without internet connection (offline mode). The target users of this system are the DENR field personnel including the Wildlife Traffic Monitoring Units (WTMUs). The roll-out of the WildALERT system was conducted last 9-10 December with DENR NCR and Region 3.

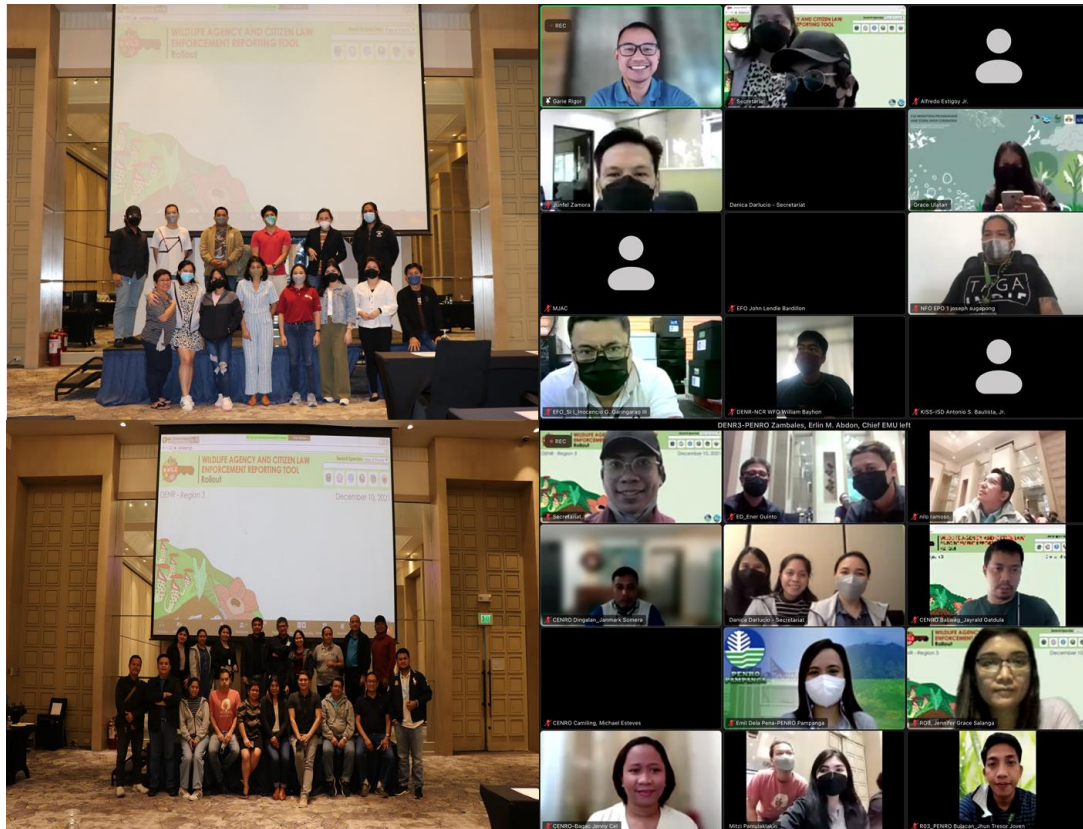


Figure 26. Wildlife Alert Roll-outs conducted in 2021 in blended mode: face-to-face and online platform. Top. Participants from the National Capital Region. Bottom. Participants from Region 3

3. OPERATIONS

3.1. Enhanced Biodiversity Conservation

3.1.1. Protected Area Management

3.1.1.1. Implementation of NIPAS Act, as amended

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

The Bureau reviewed 49 relevant documents for PA establishment and conducted five (5) National NIPAS Review committee meetings.

In connection with NIPAS Management, the Bureau reviewed 2,264 PAMB resolutions and 1,029 Minutes of the Meeting. The Bureau also reviewed/endorsed 207 PAMB appointments to the Secretary.

On IPAF Establishment and Operation, the Bureau reviewed 186 collection and utilization reports and 30 Special Budget Requests.

Thirty (30) PA Management Plans, including the management zone delineation reports were reviewed for the preparation or updating of PA Management Plans.

Under Survey and Registration of Protected Area Occupants (SRPAO) and/or Socio-Economic Assessment Monitoring (SEAMS), the Bureau was able to evaluate 25 reports. 291 Biodiversity Monitoring System (BMS) reports submitted by the Regional Offices were reviewed. Furthermore, 9 Biodiversity Assessment and Monitoring Systems were evaluated. The Bureau provided comments and inputs to 78 CEPA Plans of the PAs

Our protected areas provide the natural resource base for ecotourism in the country. As of 2021, 104 PAs have been developed for ecotourism which are regularly maintained. As an outcome of promoting ecotourism in the country, an increase in the number of visitors in protected areas were observed, which resulted in the increase in generated income utilized for the improvement of our protected areas. Under Ecotourism Development, the Bureau participated in five (5) Ecotourism TWG and reviewed 196 reports related to ecotourism management.

The Bureau works with the field offices for the establishment of PA Management Office pursuant to ENIPAS. Eight (8) meetings were conducted in 2021.

The Bureau conducted various capacity buildings which were participated by the representatives from the Regional and Field/PA Management Offices as follows:

PA Academy Training of Trainers for PASus and PA Rangers which was participated in by 53 participants for the PASu Module and 40 participants for the PA Ranger Module.

PA Boundary Demarcation Assessment Workshop on 9-11 November 2021; and

Online Assessment Workshop on the Impacts of the COVID-19 Pandemic in Ecotourism Development Program in Protected Areas on 23-25 November 2021.

Moreover, selected staff of the Bureau participated in the Pilot Testing of Ecotourism Statistical Framework Survey in Protected Areas spearheaded by the Department of Tourism (DOT), and conducted on December 9-13, 2021. The pilot protected areas were Apo Island PLS and Balinsasayao Twin Lakes NP in Region 7, and Siargao Island PLS in CARAGA.



Figure 26. Pilot-testing of Ecotourism Statistical Framework Survey in Protected Areas. (Left to right, top to bottom). a. Conduct of assisted survey in Balisayao Twin Lakes NP; b. Conduct of assisted survey in Apo Island PLS; c. Briefing and registration for the Apo Island PLS; and d. Visitors filling-up the Form 1B in the information center.

The Bureau Division conducted the Regional Consultation Hour on Protected Areas Policies and Programs which was participated by the DENR Regional/Field/PA Management Offices and some offices/units in the Central Office. The consultations started in February and concluded in August 2021. The Consultation Hour sessions promoted awareness and common understanding on the new and enhanced policies on protected areas establishment and management and served as an avenue to assess and monitor the implementation of the ENIPAS Act, amidst the limitation of going physically to protected areas because of the pandemic. It also facilitated leveling off on PA policies, plans and programs, and the discussions on the issues and concerns encountered in the implementation of the protected area plans, programs and activities based on the provisions of the ENIPAS Act and its IRR.

Among the issues and concerns that discussed include insufficient personnel/manpower to conduct the day to day operations of protected areas, limited budget allocated for the conservation and management of PAs, overlapping tenurial instruments issued within the park, and impacts of the development activities like road constructions and infrastructure establishment.

In relation to the manpower requirements of PAs, the Division shared that it has been closely coordinating with the Department of Budget and Management (DBM) for the creation of plantilla positions for the PA Management Offices.

Leveling off on the following policies were also undertaken particularly on the following PA boundary delineation and demarcation; Biodiversity Monitoring System (BMS); the Special Use Agreement in Protected Areas (SAPA) which regulates the use of resources and development in PAs; the PA Community-Based and Resources Management Agreement (PACBRMA) which engage PA occupants/tenured migrants in the conservation and management of the PAs; impact monitoring on various ecotourism activities; and the socio-economic and biodiversity monitoring and assessment tools to assess/evaluates the socio-economic and biodiversity conditions of PA.

Additionally, the Bureau is conducting a special project “Socio-Cultural Mapping and Documentation of ASEAN Heritage Parks” that started in the last quarter of CY 2021. The Project aims to strengthen the conservation and protection of biodiversity in ASEAN Heritage Parks through the documentation, mapping and promotion of appropriate cultural practices of the indigenous peoples on conservation and sustainable resource use.

The Project has seven (7) sites which are both declared as protected areas under the NIPAS and as ASEAN Heritage Parks. These are the Mts. Iglit-Baco Natural Park located in MIMAROPA Region; Mt. Kitanglad Range Natural Park, Mts. Malindang Range Natural Park and Mts. Timpoong-Hibok-hibok Natural Monument in Region 10; Mt. Apo Natural Park in Region 11 and 12; and Agusan Marsh Wildlife Sanctuary in CARAGA.

The accomplished activities of the Project for this year include engagement of Consultant, preparation and approval of WFP for the conduct of Socio-cultural Mapping and Documentation in AHPs and 1st part capacity building on Community Profiling under the Socio-cultural mapping and documentation of AHP which was conducted on 7 December 2021. The full implementation of the Project will happen in CY 2022.

3.1.2. Managing Ninoy Aquino Parks and Wildlife Center

The Bureau manages the 23.85-hectare Ninoy Aquino Parks and Wildlife Center .. For CY 2021, the park from its operations managed to earn income amounting to Php1,905,543.26 wherein Php866,275.00 came from the entrance fees of 30,222 visitors (male=14,164; female=16,058), Php 183,585.00 from parking fees, Php 426,300.00 from facilities rented and Php 429,383.26 from other activities in the park.

Precautionary measures were established by the park in line with IATF guidelines such as temperature checks at the gates; signages informing park employees and visitors to observe social distancing and wearing of masks; No Mask No Entry signages, etc.



Figure 27. Installation of acrylic barrier in NAPWC Office to avoid transmission of COVID 19 between NAPWC employees and its clients

The PAMB meetings were suspended due to an issue related to the Chairmanship. A meeting between NCR and BMB was conducted on 10 December to clarify and resolve the issue. The Park undertook major renovations for the REDs' and Upland Cottages', and minor renovations on the facilities such as the picnic huts, collections booths. The 21 hired contract of service are doing their best to maintain and beautify the park.

The Park continues to develop the Arboretum. "Payabong", a series of enrichment planting, were conducted in April, June, September and November. The enrichment plantings are carried out to increase the density of desired native tree species, thereby ensuring an established "forested" area or an arboretum within a shorter period. It will also provide opportunity for saplings and seedlings which are pre-conditioned at the nursery to be out planted. Additionally, the Park also identified and put proper labels to the trees in the Arboretum. Moreover, the Park also upcycled the trees that fell due to typhoons/strong winds by turning them into tables used in the BMB Training Center.



Figure 28. *Top to bottom.* DENR Official conducting the Enrichment Planting for the arboretum. *Top right.* Identification and proper labelling of Trees. *Bottom right.* Felled trees were upcycled as tables and used in the BMB Training Center.

3.1.3. Cave Management Program

Pursuant to RA 9072 or the National Caves and Cave Resources Management Act, and RA 9147 or the Wildlife Resources Conservation and Protection Act, the country's caves were managed and protected. To date, out of 3,197 caves identified (254 are within PAs), 1,230 caves were assessed, 769 caves were classified according to their beneficial use/s (Class I – 126; Class II – 516; and Class III – 127), and 233 caves are with cave management plans. The Bureau reviewed a total of 83 cave assessment reports, 15 management plans and 41 other cave reports from the DENR Regional Offices.

The Bureau also conducted five (5) site validation for CY 2021 on Pinagrealan Cave (Urgent Rapid Assessment) and Biak-na-bato in Region III: Badoy Cave, Simbahang Bato Cave and Pamitinan Cave in CALABARZON

Furthermore, the Bureau provided technical assistance to the following activities related to the Cave Management Program: (1) assistance to Region III on the conduct of Rapid Assessment of Pinagrealan Cave, with the Bureau downloading funds to PENRO Bulacan amounting to PHP250,000.00. Close coordination with the Region and other concerned agencies were done regarding the complaint on the alleged destruction due to mining activities; (2) assistance to Region XIII on the requested NM for the archaeological study of Escalon Cave; (3) assistance to Region V regarding concerns on Bat-Ongan Cave; (4) ongoing coordination with Gaia Exploration Club (GEC) on the mapping of Phil. Caves; and (5) coordination/provided info to MGB on the request for available data on caves for the PhilKARST Program.

The Bureau serves as the secretariat of the National Cave Committee and conducted the following meetings: 34th NCC Meeting on 30 March; Special/TWG Meeting on 30 April; 35th NCC Meeting on 24 August; and 36th NCC Meeting on 13 December.

The Bureau also conducted two (2) learning events/training to strengthen the capacity of its staff as well as the regional and field offices in the implementation of the cave management program.

A Learning Event on the assessment of different cave values was conducted on 23-25 June via zoom with participation of 178 participants from Regional and Field Offices and BMB. Topics covered were assessment on geological, hydrological, archaeological and historical values which can help in providing enhanced data/information in completing the cave assessment form.

The **Training on basic scuba diving** (Foundational underwater cave diving Course) was held through an online session on 8-9 November 8-9, 2021. An Open Water Refresher course in diving was also conducted in Anilao, Batangas on 13-14 November.

3.1.4. Wetlands Management Program

Pursuant to the Updated National Wetlands Action Plan for the Philippines, and the RA 9147 or the Wildlife Resources Conservation and Protection Act, the country's wetlands are protected and managed.

The Bureau reviewed a total of 16 wetland assessment reports, 12 management plans and 23 other wetland reports from the DENR Regional Offices. With these, out of 461 inventoried inland wetlands, 344 are identified as inland wetlands, with the 104 found within PAs. Moreover, about 90 wetlands were assessed/profiled, and 42 have wetlands management plans, of which 20 are within PAs.

The Bureau conducted field validation of 7 wetlands namely: Sasmuan, Boracay wetlands, Capiz and Iloilo, Taklong Island Marine Natural Reserve Lalaguna Marsh and Lopez (Kalantasan) Marshland; wetlands within Maulawin Spring Protected Landscape and Quezon Protected Landscape.

The Bureau pilot tested the Rapid Assessment of Wetland Ecosystem Services (RAWES) tool in Lalaguna Marsh, Lopez, Quezon on 21-24 July.

Moreover, the Bureau also conducted two (2) meetings on 30 June and on 22 December to operationalize the National Wetlands Committee and the Inland Wetland Technical Working Group.

In connection with the DENR-PLDT three-year partnership to conserve the Caimpugan Peatland and other peatlands within the AMWS, a turnover of digital tools and vests donated by PLDT-SMART to DENR CARAGA for the use of Bantay Danao volunteers was held at the Agusan Marsh Wildlife Sanctuary (AMWS) on January 29 and October 25, 2021.

Aside from reviewing the reports submitted by the Regions, the Bureau provides technical assistance related to the Regions' implementation of the wetlands management program. These are the following: (1) Acted as resource person on the conduct of Workshop on filling up the offline RIS for the Ramsar Nomination/Designation of SIPLAS and Implementation of the Project " Protection, Conservation and Sustainable Use of Peatland in Agusan Marsh Wildlife Sanctuary' in CARAGA; (2) Provided assistance on the proposed establishment of Critical Habitat in the Coastal Municipalities of Bulacan province in Region III; (3) Coordination with CALABARZON on mapping and assessment of Lalaguna Marsh for critical habitat establishment, and acted as resource person to Webinar Training on Wetlands Ecology, Assessment & Management of R4A; (4) Undertook Reconnaissance Survey and attended coordination meeting for the NRCP-Funded project in Cagayan and Isabela on 14-21 November in Region II; and (5) Continuous assistance to Boracay initiatives such as preparation of proposals submitted in March 2021 and drafting of Boracay Activity Plan for 2021. The Bureau also facilitated the approval of the Contract and Request for endorsement of Nagao Wetland-funded Sibugay Wetlands Project for the issuance of SPA, and the endorsement of Living Lakes project proposals to RRC-EA Wetland Fund.

3.1.5. Urban Biodiversity Conservation and Management Program

The Bureau conducted a learning event on Urban Biodiversity Assessment on 2 July. The activity was attended by the representatives from DENR Regions 1-13, NCR and CAR and selected LGUs. The LE discussed the fundamentals of Urban Biodiversity, City Biodiversity Index, the conduct of profiling and assessment of green spaces and parks and how to properly prepare the Urban Biodiversity Management Plan.

In line with the establishment of partnership on urban biodiversity, a MOA signing was held on 28 January between PIEP, PALA and FFP. There is also an ongoing collaboration with Quezon City LGU regarding the proposed partnership on Biodiversity Friendly Urban Development through Adopt a City/Urban Park Project with funding assistance from the Metro Pacific Investment Corporation (MPIC).

The Bureau spearheads the pilot testing of Urban Forest Bathing. BMB SO No. 2021-09 was issued for the Creation of TWG for the implementation of Urban Forest Bathing in Selected PAs. The project proposal on the Development of Guidelines and Standards for Urban Forest Bathing in the Philippines was resubmitted on 30 November based on the requested additional information by the Forest Foundation of the Philippines (FFP).

The Bureau conducted monitoring of the five (5) largest cities through online meetings as follows: Quezon City, Caloocan and Manila on 8 September, Davao City on 10 September, and Cebu City on 15 September.

The Bureau provided technical assistance to the following activities related to Urban Biodiversity Conservation and Management Program: (1) New Clark City in Tarlac; (2) proposed project on Urban Biodiversity in the Era of Pandemic with ACB and Dr. Gonzales; (3) served as RP to learning events/webinars e.g Seminar-Writeshop on Emerging Issues on Urban and Biodiversity; (4) Provided inputs to Region 11 2022 WFP on 15 November; (5) provided proposal on the CIFOR-ICRAF on Tree Planting on 12 August; (6) discussed with ACB on the project proposal on Urban Biodiversity Program; and (7) participated in the meetings with Maynilad and Fil-Invest Corp. for possible partnership.

3.2. Wildlife Resources Conservation Program

3.2.1. Conservation of Threatened Species

3.2.1.1. In Situ Conservation

The Bureau implements and monitors programs that focus on the conservation of threatened wildlife species such as the Philippine Eagle, Marine Turtles, Flying Foxes, Tamaraw and waterbirds, among others.

The Bureau received and reviewed 117 monitoring reports on Philippine Raptors, 278 reports on marine turtles and 37 reports on flying foxes.

The Bureau conducted four (4) field monitoring activities on the priority threatened species: Flying fox in Boracay Island on 8-10 March; Philippine Eagle in Maitum, Sarangani on 13-16 October; Marine turtles in Carmen, Agusan del Norte on 15 November; and waterbirds in Cabusao wetlands, Camarines Sur on 18-20 November.

Moreover, the Bureau produced the data on wildlife resources such as: (1) List of Philippine Vertebrates Fauna (Philippine Amphibians 2020, Philippine Birds 2020, Philippine Mammals 2020, Philippine Reptiles 2020); (2) National List of Threatened

Flora; (3) List of Threatened Endemic Flora; (4) List of Philippine Flora; (5) DENR Wildlife Rescue Centers; and, 6) Declared Critical Habitats.

The Bureau actively participated in the conduct of meetings to mobilize several wildlife committees. Committee meetings were conducted as follows: Philippine Eagle Working Group meeting on 14 April 14; Committee on Animal Welfare Technical Working Group on Marine Mammals Meeting on 28 May; NCCC Meeting on 8 June; PPCC meeting 29 June and 27 July; PRLC-Herpetofauna Group on 21-23 September; PPCC Meeting on 8,10, & 12 November; PLRC Meeting on 25-26 November.

For the establishment and management of Critical Habitats (CH), the Bureau reviewed ten (10) proposals of the following CH for establishment: (1) 1. Dakeol Forest CH for the Philippine eagle and other wildlife species under review; (2) Pagadian Forest and Midsalip, Zamboanga del Sur Proposed CH for the Philippine eagle under review/evaluation; (3) Critical Habitat for *Rafflesia mixta* (received revised updated assessment report and Mylar Map); (4) Talisoy-Magnesia Del Sur CH for marine turtles; (5) Mercedes CH for Philippine duck; (6) Mt. Binaratan-Maducayan CH in Mt. Province; (7) Mt. Binaratan-Dakalan CH in Mt. Province; (8) Mt. Kapayas CH (Cebu);(9) Buenavista Critical Habitat for marine turtles and other wildlife species in Buenavista, Agusan Del Norte; and (10) Barangay Dahican, Mati, Davao Oriental for marine wildlife.

The Bureau endorsed three (3) draft DAOs for the Establishment of CH to the DENR PTWG as follows: Sasmuan Bangkung Malapad CH and Ecotourism Area (SBMCHEA) on 9 February, Mt. Kapayas CH on 23 December, and Cantugas CH on 28 December.

The Bureau monitored the CH implementation of the following sites: Malasi CH on 4 August; Adams Wildlife CH on 19-22 October; Cabusao Wetland CH on 17 November, and Carmen CH on 15-17 November.

3.2.1.2. Ex situ Conservation

3.2.1.2.1. National Wildlife Rescue and Research Center Operations

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

For CY 2021, the NWRRC received 678 different animals such as 59 mammals (4 confiscated; 1 retrieved), 76 birds (1 retrieved; 1 confiscated), 261 reptiles (1 dead on arrival, 60 confiscated) and 156 arthropods (11 dead on arrival).

The BMB Wildlife Disposition Committee held two (2) meetings on 29 October and 17 December. Hence, the NWRCC was able to dispose animals through release (84) and loan (49 animals), these are:

Animal	No.	Method of disposition	Recipient	Date of turn-over/release
Brahminy kite (<i>Haliastur indus</i>)	5	Release	Mts. Banahaw-San Cristobal	June 7-11, 2021

Animal	No.	Method of disposition	Recipient	Date of turn-over/release
Philippine serpent eagle (<i>Spilornis holospilus</i>)	5		Protected Landscape	
Pied imperial pigeon (<i>Ducula bicolor</i>)	10			
Asian box turtle (<i>Cuora amboinensis</i>)	8			
Reticulated python (<i>Python reticulatus</i>)	5			
Southern Luzon cloud rat (<i>Phloemys cumingi</i>)	1			
Hawksbill turtle	1	Release	Morong, Bataan	July 27, 2021
Giant softshell turtle	1	Release	Addalam River, Cabarroguis, Quirino	August 3, 2021
Philippine pangolin	1	Release c/o PCSDS	Palawan	August 21, 2021
Olive ridley turtle	3	Release	Morong, Bataan	October 1, 2021
Brahminy kite (<i>Haliastur indus</i>)	10	Release to the wild	Pantabangan-Carranglan Watershed Forest Reserve (PCWFR), Nueva Ecija	November 10-11, 2021
Philippine serpent eagle (<i>Spilornis holospilus</i>)	10			
Philippine hawk eagle (<i>Nisaetus philippensis</i>)	2			
Reticulated python (<i>Malayopython reticulatus</i>)	20			
Philippine pangolin (<i>Manis culionensis</i>)	1	Release	Palawan	December 5, 2021
Philippine pangolin (<i>Manis culionensis</i>)	1	Release	Palawan	December 24, 2021
African lovebird (<i>Agapornis sp.</i>)	26	Loan	Manila Ocean Park	December 28, 2021
Budgerigar (<i>Melopsittacus undulatus</i>)	5	Loan	Manila Ocean Park	December 28, 2021
Brahminy kite (<i>Haliastur indus</i>)	2	Loan	Manila Ocean Park	December 28, 2021
Burmese python, albino (<i>Python bivittatus</i>)	2	Loan	Manila Ocean Park	December 28, 2021

Animal	No.	Method of disposition	Recipient	Date of turn-over/release
Philippine eagle-owl (<i>Bubo philippensis</i>)	2	Loan	Manila Ocean Park	December 28, 2021
Rufous hornbill (<i>Buceros semigaleatus</i>)	2	Loan	Manila Ocean Park	December 28, 2021
Brazilian salmon pink bird-eating tarantula (<i>Lasiadora parahybana</i>)	3	Loan	Manila Ocean Park	December 28, 2021
Chaco golden knee tarantula (<i>Gammotola aureostriata</i>)	2	Loan	Manila Ocean Park	December 28, 2021
Indian ornamental tarantula (<i>Poecilotheria regalis</i>)	1	Loan	Manila Ocean Park	December 28, 2021
Mexican fire leg tarantula (<i>Brachypelma boehmei</i>)	1	Loan	Manila Ocean Park	December 28, 2021
Mexican red knee (<i>Brachypelma smithi</i>)	2	Loan	Manila Ocean Park	December 28, 2021
Thick-tailed scorpion (<i>Parabuthus transvaalicus</i>)	1	Loan	Manila Ocean Park	December 28, 2021
TOTAL	133			

From January to December, NWRCC recorded a total of 602 animal mortalities due to poor handling prior to confiscation, poor health, and other causes of death. As of December 28, NWRCC houses a total of 1009 various wildlife animals, broken down as follows: 86 arthropods, 149 mammals, 256 birds and 518 reptiles.

The Bureau conducted monitoring of six (6) DENR-accredited wildlife facilities holding wildlife from NWRCC either through loan or donation: Manila Ocean Park, Katala Foundation Inc., First Orient International Ventures Corp. (FOIVC), Ocean Adventure, Avilon Zoo and Bangui Bird Park and Botanical Garden.

Furthermore, the Bureau received and reviewed 219 field monitoring reports of regional and designated WRCs around the country.

3.2.2. Wildlife Disease Surveillance

The Bureau is one of the core agencies of the Philippine Inter-Agency Committee on Zoonosis (PhilCZ) created by virtue of Malacañang AO No. 10 dated 11 April 2011. The PhilCZ is the functional body coordinating the One Health mechanism that aims to strengthen coordination between the animal-human health and environment sectors for the prevention, control and elimination of zoonoses (diseases transmissible from animals to humans). The Committee addresses the threats of zoonotic diseases such as Avian Influenza, Leptospirosis, Rabies and Nipah virus. The Department of Agriculture (DA),

Department of Health (DOH), and Department of Environment and Natural Resources (DENR) work together as the core agencies in this collaboration to represent principally the human health-animal health-environment interfaces for “One Health.” The WCS convened two (2) meetings of the Committee, and conducted two (2) field sampling in Regions 5 and 9.

3.2.3. Capacity Building on Wildlife Conservation and Law Enforcement

The Bureau conducted several trainings to strengthen the capacity of Wildlife Law Enforcers in the field. But due to the restrictions brought about by the COVID-19 Pandemic, workshops and trainings were held online.

The Third Wildlife Law Enforcement summit was conducted last 16-18 November attended by 646 participants from the DENR Regional offices, Bureau of Customs, Philippine National Police and other partner agencies involved in combating illegal wildlife trade. The highlight of the summit was the different experiences on wildlife enforcement efforts shared by the partner enforcement officers, prosecutors and city veterinarians.

For the retooling on wildlife permit issuances, a webinar was conducted via Zoom in three (3) DENR Regional Offices-Region 2 on 13-14 April, Region 5 on 27-28 September and CAR on 7-8 October.

A webinar on Wildlife Conservation and Regulation for 3-half days was also held in March. The event focused on policies pertaining to wildlife conservation and regulations, including wildlife monitoring techniques. It was participated in by 308 representatives from DENR Regional and Field offices.



Figure 28. Capacity Building on Wildlife Conservation and Law Enforcement. Top. retooling on wildlife permit issuances with participants from Region II (right) and Region V (Left). Bottom. Third Wildlife Law Enforcement Summit.

3.3. Scaling up of Coastal and Marine Ecosystems Management Program (CMEMP)

3.3.1. Coastal and Marine Direct Implementation of CMEMP

3.3.1.1. Marine Protected Area Network (MPAN) Establishment and Strengthening

The MPAN Consultation and Levelling Off Workshop was conducted on 26-27 October with the following objectives: to discuss the importance and ecological basis of marine protected area networking; to provide the participants with a better understanding of the different types of a network as well as the various considerations and steps involved in networking; and to validate and update the MPAN indicators, roadmap, and inventory.

Participants from the workshop agreed that is essential and ideal for both the management body of LMMPAs and PAMB of NIPAS MPAs to be in consensus in entering into partnerships either in any form of legal instruments (MOA, City/Municipal Ordinance, PAMP) in overseeing and managing the PA. This is to avoid duplication of efforts and to efficiently allocate resources as both management bodies can also contribute to the financial suitability of the MPA.

BFAR, LGUs, as well as other stakeholders such as DENR, FARMCs likewise agreed to continue to exercise their jurisdiction and be responsible for their mandates while adhering to the reference points (RPs) established and with the harvest control rules (HCRs) adopted for the FMA, as well as implementing the corresponding harvest control measures, as may be applicable. Further, it is also important for these agencies to be complementary and participative (PAMB chairperson shall form part of the FMA management board) to avoid duplication of efforts, to ensure coordination and cooperation, for the efficient allocation of resources, and to mutually agree in NIPAS-MPAs considered as sub-FMAs.

Moreover, the Bureau conducted an exploratory meeting with National Mapping and Resource Information Authority (NAMRIA) on 20 August. This meeting explored the possible areas of assistance that NAMRIA can provide in the demarcation of NIPAS- MPAs, such as provision of relevant data and assistance, specifically on the current speed, wave action, and tide observation.

Following are the highlights of the meeting:

- 1) BMB and NAMRIA to formalize the partnership regarding the collection of data relevant to NIPAS-MPA demarcation through Memorandum of Agreement;
- 2) BMB to provide NAMRIA the list and shapefiles of NIPAS-MPAs to overlay it with existing and updated bathymetry in order to determine the available data from their end (e.g. tidal range, current, etc);
- 3) BMB to provide the list of DENR Regional Offices with physical targets on MPA demarcation for CY 2021 for prioritization of areas to be assessed and surveyed within the year;

- 4) NAMRIA to provide BMB the cost estimates for the conduct of ground assessment and survey; and
- 5) NAMRIA to provide BMB a sample copy of Memorandum of Agreement for easy reference.

3.3.1.2. West Philippine Sea (WPS)

A second Biodiversity and Habitat Survey Expedition to the Kalayaan Island Group was conducted in May 2021, in partnership with the University of the Philippines Diliman (through the Marine Science Institute), in coordination with Area Task Force - West, and the Palawan Council for Sustainable Development, through the Memorandum of Agreement for the Project titled Predicting Responses between Ocean Transport and Ecological Connectivity in Threatened Ecosystems in the West Philippine Sea, or PROTECT-WPS 2.0 Project.

The Bureau conducted a Coastal Resource Assessment (CRA) of Grande and Chiquita Islands, Subic Bay, Zambales on 18-26 October 2021 in line with the directive of the National Task Force for the West Philippine Sea for the DENR to establish a Marine Scientific Research Station in Grande Island, Subic Bay, Zambales.

Data obtained from the CRA shall be processed and analyzed by the respective assessment teams. A Coastal Vulnerability Assessment (CVA) of Grande and Chiquita Islands will also be conducted. The results and processed information obtained from the CRA and CVA of Grande and Chiquita Islands shall be presented to the DENR Composite Team and to the representatives of Subic Bay Metropolitan Authority upon completion of analyses.



Figure 29. Conduct of Coastal Resource Assessment in Grande and Chiquita Islands, Subic Bay, Zambales.

3.3.1.3. Philippine Rise

The PRMRR which covers a total of 352, 390 hectares located at the country's Exclusive Economic Zone (EEZ) was declared a Marine Protected Area (MPA) through Presidential Proclamation No. 489 of 2018. As one of the country's MPA, under the National Integrated Protected Area System (NIPAS) of Republic Act No. 7586 as amended by RA 11038, the Protected Area Management Board (PAMB) is expected to convene meetings to discuss matters pertaining to the rules, regulations, programs, and projects in the PRMRR.

In this regard, a PAMB meeting was held on 23-24 November 2021 via Blended Workshop at Park Inn by Radisson Hotel, Quezon City. The PAMB members were updated on the following agenda (as agreed upon during the last PRMRR-PAMB meeting held last December 04, 2020):

- 1) PAMB Secretariat to revise PAMP and reconvene the TWG as necessary for re-submission by 1st Quarter 2022 and subsequent adoption (along with its respective PAMB Resolution) ad referendum;
- 2) PAMB Secretariat to modify PAMB Resolutions, to be circulated ad referendum;
- 3) PAMB Secretariat to follow up on Official (or updated) Letters of Concurrence from Heads of Agencies/Secretaries of Member Agencies, allowing the designation of their Representatives; and
- 4) Inter-agency TWG to convene on an agreeable date for the coordination and planning of 2022 Activities (expeditions, surveys, commemoration event, etc.).

3.3.1.4. Biodiversity Friendly Enterprise (BDFE)

On BDFE Financial Assistance, a maximum of one million pesos (P 1,000,000) may be granted by the DENR as financial assistance (FA) to eligible People's Organization (PO). Financial assistance is used to finance operational activities. Wages and salaries of the members of the PO shall not be charged from the financial assistance granted to them. For CY 2021, proposals from eighteen (18) POs were approved for BDFE Financial Assistance. Eight (8) POs submitted complete requirements granting them the FA with a total budget of Php 5,256,136. Nine (9) POs with incomplete requirements and two (2) POs declined the FA.

A BDFE Orientation regarding DAO 2021-13 and Appraisal Tool on 27-29 July via Zoom Online Platform was conducted. The aim of the activity is to provide orientation to the BDFE Facilitators of the provisions of the recently signed DAO 2021-13 and its pertinent attachments.

The Bureau also conducted Business Development Services (BDS) Learning Event – Product development and marketing for CY 2021.

The Bureau organized a Business Planning Training held every Tuesdays and Thursdays from 19 January to 18 February, and online coaching sessions till 2 March, for BDFE Facilitators. The Training enhanced capacities of relevant staff of DENR to undertake Social Preparation for POs in Business Development and to develop Business Plans for their POs respective enterprises.

Moreover, the capacity development is intended to a) Enhance existing learning modules on Social Preparation and Business Plan development for an on-line platform implementation; b) Facilitate capacity development activities on Social Preparation and Business Planning using blended learning approach for the BDFE Facilitators coming from the PENRO, CENRO, Regional Office and BMB staff; c) One-on-one support with the BDFE Facilitators for the roll-out of Social Preparation and Business Planning for their respective People's Organizations and d) Evaluate current capacity of BDFE Facilitators in identifying activities that will enhance their respective POs and enterprise.

Furthermore, the Bureau organized a Product Development & Marketing Training for BDFE Facilitators on 2, 7, 9, 13-14 December via Zoom Online Platform. The facilitators learned the basic product development concepts and skills to assist BDFEs, specifically Product Development Basics, Marketing Basics, Product Development and Marketing for Food and Non-Food, and Marketing for Services.

3.3.1.5. Capacity Building

The Bureau conducted a total of five (5) training and learning events to strengthen the capacity of its staff and regional and field offices to implement CMEMP. The activities are as follows:

Open Water, Advanced Open Water, and Refresher Diving Training

The conduct of SCUBA diving training was designed to capacitate and certify new divers, enhance the skills of the certified open water divers to advance level, and refresh the skills of the certified divers in order to properly conduct coastal and marine-related activities (i.e. technical assistance, field validation, etc). The participants of this training were the staff from technical divisions of the Bureau such as the CMD and Caves, Wetlands, and Other Ecosystems Division (CaWeD).

The five-day program of the Open Water diving training was divided into two parts wherein the first two days were dedicated to lecture sessions on knowledge review and development, while the remaining three days were devoted to pool and open water practical sessions. On the other hand, the Advanced Open Water diving training was conducted within three days – one day for lecture sessions and two days for check-out dives. The students were joined by the BMB certified divers during their check-out dives to refresh and enhance their diving skills.

The lecture sessions were facilitated in the BMB Training Center and via Zoom (hybrid), while the check-out dives were conducted in Anilao, Mabini, Batangas on the following dates - 14-18 July, 30 July to 1 August, and 4-5 and 8-10 October.

Diving Refresher Course with Covid-19 Safety Diving Protocols

This course was held on 18-20, 25-27 June, and 2-4 July at Mabini, Batangas to ensure field validation and monitoring is in accordance with the Green Fins Environmentally Friendly Diving and Snorkeling Guidelines and Health and Safety Guidelines governing the Operations of Dive Establishment Under Community Quarantine and in the New Normal issued by Philippine Commission on Sports Scuba Diving (PCSSD). Dive instructors reiterated the need to observe proper health protocols before, during and after dive to prevent the spread of COVID-19.

Orientation on the conduct and implementation of Water Quality Monitoring within NIPAS - MPAs

The orientation training served as an avenue for the participants to be familiarized with the technical knowledge in monitoring the water quality of their respective NIPAS-MPAs. It was held on 6-7 October via Zoom Online Platform.

Participants agreed that Water Quality Guidelines (WQG) is not enforceable. This is just a reference placed in order to meet certain management objectives and for purposes of

maintaining the quality of a water body intended for its beneficial use. It is the General Effluent Standards (GES) which is enforceable and is applicable to all industry categories where numerical limits are set by the type of the receiving body of water following DAO 2016-08.

In terms of analysis, results are only as good as how the samples were collected and transferred to the laboratory's custody. Procedures for sampling and analysis influence each other and plans for sampling and analysis are codependent. Hence, all sampling activities must be coordinated with the laboratory.

Basic rules to follow to have a successful assessment program include clearly defining the objectives, understanding the nature of the water body to be monitored, choosing the appropriate parameters, setting the type and frequency of sampling, and having the right analytical equipment and laboratory facilities.

EMB highly recommends adopting the existing water quality guidelines in classifying the NIPAS MPAs. For classification purposes, the frequency of water quality monitoring should be conducted monthly (minimum of 10 months for a year).

Learning Event on Citizen Science Approach on Monitoring of the Coastal and Marine Environment for All Bmb Staff where Majority is Women with Participating Members of the LGBTQIA+

As part of the commitment of the CMEMP to Gender and Development for 2021, a learning event on coastal and marine monitoring through the citizen science approach was organized to orient the BMB staff comprising men, women, and the members of the LGBTQ+ on how they can contribute to coastal and marine management through monitoring, even as a non-expert in this field. The goal of the GAD strategic plan for 2020-2025 is to improve the participation of women in ENR consultation processes, community organization, and decision-making bodies towards the sustainable management of the country's environment and natural resources.

Citizen Science refers to public participation and collaboration in scientific research. People share and contribute to data monitoring and collection programs through citizen science. Some examples of citizen science are Coral bleaching monitoring through the Philippine Coral Bleaching Watch report forms, Reef Check, and Coastal Clean-up data collection, which the BMB conducts every 3rd Saturday of September in celebration of the International Coastal Cleanup.

The Bureau conducted a 2-day online lecture orientation on Citizen Science last 04-05 November via Zoom. This was followed by field demonstrations from November 21-23, 26-28, and December 3-5, 2021 in Batangas.

The field demonstration activities were attended by 63 attendees composed of participants, resource speakers, diver masters, and CMD support Staff with an average of 56% women participation.

NIMCAP Program - Enhancement Trainings on NIPAS MPA Capacity Building Program Indicator under Capacity Building Component of CMEMP

NIPAS MPA Capacity Building Program is one of the initiatives of CMEMP that started in 2017.

During the implementation of the NIMCAP Program this year, a guidance to achieve the "Attendance to Enhancement Trainings on NIPAS MPA Capacity Building Program" indicator was issued to realign targets of the regions and one of the options provided was to conduct a regional training instead of clusters, via blended set-up. National mentors agreed to translate the existing training modules into a virtual setup module so that the regions who decided to conduct the program can be assisted. As a result, four (4) regions conducted the training on the modules on Marine Ecosystems and Oceans Processes and the Fundamentals of MPA Management.

3.3.1.6. Technical Assistance

The Bureau conducted a series of consultations with the DENR Regions to support and clarify some guidelines on the implementation of CMEMP.

Regional Consultation on the Preparatory Processes Towards ICM Mainstreaming

The online consultation was held on 27 April via Zoom Online Platform and was participated by PASUs, PENROs, CENROs, PA Technical Chiefs and Staff, Extension Officers, RPAO, Planning Officers. Representatives from the DENR- PPS, and DENR-BMB were invited as resource speakers.

Highlights of the activity and next steps were as follows:

- 1) The DENR has been applying the ICM approach and principles for almost two decades either directly supported by the DENR or Special Projects as in the past. There were lessons learned and there are additional considerations on mainstreaming to CLUPs and CDPs;
- 2) There are plans developed such as the FLUP, IWMP within the DENR, and complementation of all of these is essential. The Regional and Field Offices are enjoined to coordinate and ensure the elements of ICM are considered;
- 3) Mainstreaming to the LGUs' CLUP and CDP is a practical approach in ensuring their involvement in the process as well as their adherence to said plans for sustainability;
- 4) Preparatory stage activities should be accomplished (Mapping of the river system which is draining, influencing, and entering to a NIPAS MPAs, status of the ICM, CLUP, and CDP) while waiting for the mainstreaming guidelines to be provided in coordination with the concerned DENR Offices and other agencies such as DHSUD, DILG, and NEDA;
- 5) For the identified LGUs presented by CAWED, an inventory of existing management intervention (i.e. Watershed Characterization, Vulnerability Assessment, WQMA, CLUP, FLUP, etc.) is necessary. It is important to have an inventory of these plans for prioritization and planning purposes;
- 6) Review the extent to which PA Management plan addresses the land-based activities/ threats that impact our NIPAS MPAs; and

- 7) The BMB shall continuously provide capacity-building activities to provide guidance to the Regional and Field Offices. Hence, attendance of concerned Regional and Field offices staff are hereby requested to the capacity building activities.

Workshop/Writeshop with Key and Relevant Agencies and Development Partners in the Formulation of the DENR- BMB Technical Bulletin in Mainstreaming the ICM Approach to CLUP

Series of consultation workshops and dialogues with key and relevant agencies and development partners were undertaken by the DENR-BMB on 15 October 2021, 3-5 November 2021, and 6-8 December 2021 in its pursuit of mainstreaming the ICM Approach into the City and Municipality's Comprehensive Land Use Plan (CLUP).

Several guidebooks and supplemental guidelines have been issued by the HLURB to provide guidance to the Cities and Municipalities in the development of their CLUP. During the leveling-off meetings, it was highlighted that key elements of ICM have been embedded in these guidelines. Also, some development partners shared their experiences and results of studies conducted in line with the ICM mainstreaming with some of the LGUs they are working with.

BMB crafted the Technical Bulletin anchored on the existing guidelines. The Technical Bulletin made by the DENR-BMB is for the use solely of the DENR Regional and Field Offices in providing technical assistance to the LGUs under CMEMP.

3.3.1.7. Knowledge Management

The Bureau attended and supported the MPA Support Network Database meetings on 16 June and 27 July. - It may be recalled that DENR through BMB in partnership with UPMSI and DA BFAR created a Philippine Marine Protected Areas (locally managed and NIPAS MPA) database that can provide access to basic PA Profile such as MPA size, location, and management effectiveness, as well as current and historical monitoring data for the country's increasing MPAs. The MPA Support Network facilitates the sharing of lessons and good practices in MPA Management. The database further aims to sustain adaptive management through progressive reviews and updates of the MPA Database and information systems, and to provide support to local MPA initiatives.

3.3.2. Partnership, Convergence, Technical Assistance and Support to other Coastal and Marine Related Concerns

3.3.2.1. Manila Bay

In the interest of the service and in accordance with the DENR's mandate to protect and conserve the remaining coastal and marine resources in Manila Bay alongside the development of the Coastal and Marine Spatial Plan pursuant the Manila Bay Sustainable Development Master Plan (MBSDMP), the Bureau conducted a blended-approach on-line and on-site training workshop on Coastal and Marine Spatial Planning (CMSP) on 8-12 November 2021 in Clark City, Pampanga.

The main objectives of the activity are to introduce CMSP to the participants from the Regional Offices and PASus, and to develop a draft CMSP Framework for Manila Bay.

Agreements during the workshop are as follows: Update the draft Executive Order creating the CMSP TWG, and circulate to relevant offices for their review and comments; Conduct CMSP workshop with the identified stakeholders to supplement the gaps and missing information in formulating CMSP; and formalize partnership with NAST in the implementation of CMSP.



Figure 30. Coastal and Marine Spatial Planning Workshop. *Left.* Participants. *Right.* Resource Speaker: Ms. Vanessa Vargas-Nguyen of UMCES

3.3.2.2. BMB-BFAR Convergence

The Bureau conducted the National Orientation for the Roll-out of the Philippine Illegal, Unreported and Unregulated (IUU) Fishing Index and Threat Assessment Tool (I-FIT) on 27 July.

The IUU fishing assessment using the I-FIT Tool seeks to provide an in-depth understanding of the vulnerability, prevalence, and current responses to IUU fishing in specific sites, for consolidation in a national database that may be used by all concerned government agencies and private institutions. Together with the Bureau of Fisheries and Aquatic Resources (BFAR) and USAID FishRight Project, BMB targets the implementation of long-term solutions to threats to biodiversity and the coastal and marine environment.

The Workshop was able to provide DENR Regional participants with the overview and scope of the I-FIT, including the way forward on the activities to be supported by the Regions. The attendees provided an initial list of NIPAS MPAs and a tentative list of local government units where I-FIT can be implemented.

Moreover, a Round Table Discussion (RTD) was conducted on the proposed Inter-Agency Technical Working Group (IATWG) on Abandoned, Undeveloped, Underutilized (AUU) Fishpond Lease Agreements (FLAs) reversion, and other mangrove- rehabilitation processes in support to the National Convergence Initiative - Sustainable Rural Development (NCI-SRD) Joint Resolution No. 6 Series of 2020. The RTD was organized by Deutsche Gesellschaft for Internationale Zusammenarbeit (GIZ) GmbH, the Zoological Society of London and the Biodiversity Management Bureau (8MB) on 21 January 2021. The outline of the set- up, structure, and roles of the IATWG was discussed including the

ways forward for the IATWG, plus the policy actions towards the improvement in the administrative and technical reversion of AUU ponds.

As an update, the NCI-SRD Secretariat reported to the Convergence National Steering Committee the highlights of the RTD on 27 January 27. The NSC duly acknowledged the recommendations of the RTD. The only comment received from the NSC was the inclusion of the representative of the Department of Agrarian Reform in the composition of the IATWG.

The Bureau also submitted a draft DENR Special Order for the creation of a National and Regional TWG for the DENR which includes all DENR offices and operating units that can contribute to the fast-tracking of DENR concerns for the effective and efficient AUU reversion process.

3.3.3. Monitoring and Evaluation

In line with the monitoring and evaluation of the CMEMP, the Bureau conducted three webinar series to level off on the status of CMEMP implementation in the regional and field offices, and discuss the issues and concerns including next steps in accomplishing 2021 CMEMP targets on the following dates via Zoom Online Platform: National Program Orientation on 10-12 March; Mid-Year updating and feed backing workshop on 13-15 July; and Year-End Assessments, feed backing and strategic workshop on 16-18 November.

General agreements based on the discussions in the CMEMP webinar series are:

- 1) Technical Bulletins, policies, and/or guidelines for the Water Quality, Carrying Capacity, and other guidelines should be transmitted to regions for proper implementation of CMEMP;
- 2) BMB to facilitate the leveling-off with EMB for the conduct and training of water quality monitoring; It is important that regional offices, before submitting CMEMP implementation results to BMB, strictly follow the reporting template provided to them so as to avoid submission of unnecessary information;
- 3) It is also essential that the logical framework and the report template be circulated among the regions for them to follow and standardize the data collected and submitted to BMB; and
- 4) It is also recommended that DENR top management reiterate to strengthen communication and coordination between regional Planning and Management Division (PMD) and Conservation and Development Division (CDD).

Furthermore, site validation on the Mangrove Site Management Conflict between the New Balarang Mangrove Association (New BAMA) and several claimants was conducted on 17 March.

In addition, the Bureau conducted the Snake Island Coastal Resource Assessment cum Workshop Planning on 20 May to discuss the coastal resource assessment in Snake Island, Palawan, which includes a 2-day coastal resource assessment and 1-day face-to-face workshop. The meeting was attended by the DENR-TWG/representatives from DENR MIMAROPA Region, BMB, ERDB, PENRO and CENRO Palawan.

The Snake Island – NCMCR Operational Plan 2023-2027 is a continuing initiative of the Department of Environment and Natural Resources (DENR) through strong partnerships with other agencies and local communities. The preceding Operational Plan delivered notable accomplishments that designated Snake Island as a research center for the sustainable management of coastal and marine resources.

To help realize the identified objectives of the Snake Island NCMCR, a five-year medium-term operational plan has been formulated by the DENR Biodiversity Management Bureau (DENR-BMB) in coordination with a Technical Working Group composed of the Palawan Council for Sustainable Development (PCSD), Ecosystems Research and Development Bureau (DENR-ERDB), DENR MIMAROPA Regional Office, and DENR Provincial Environment and Natural Resources Office (DENR PENRO Palawan).

This Operational Plan covering 2023-2027 will highlight the significance of Snake Island NCMCR as national research center and as an in-situ training center for both government and private partners. It will implement plans and programs for research and development, partnership programs, and promote coastal and marine conservation, management and sustainable development.

The PENRO Palawan through the MIMAROPA Regional Executive Director submitted the 1st draft of the Operational Plan of the Snake Island NCMCR last August 17, 2021, and was reviewed and discussed in the workshop on the drafting of the Operational Plan on 9 December 2021.

3.4. International Commitments

3.4.1. World Database on Protected Areas/World Database on Other Effective Area-Based Conservation Measures

The Bureau participated in the Webinar Series on Exploring Potential Other Effective Area-based Conservation Measures and Data Curation of Protected Areas in the ASEAN Region on 22 and 28 April 2021. The Bureau provided the statistics of Philippine OECMs, which were added to the WD-OECM in May 2021.

3.4.2. UNESCO World Heritage Site

The Bureau participated in various UNESCO WHS related-activities, these include: National Online Workshops for the Country's participation to the Third Cycle of Periodic Reporting; Meetings with the UNESCO Site Management of Tubbataha Reef NP, Mt. Hamiguitan Range WS, Puerto Princesa Subterranean River NP; Meeting with DENR-MIMAROPA, CI-Philippines and UNACOM regarding MMPL Nomination as World Heritage Site; Meetings on the finalization of Philippines inputs to the 3rd WH Periodic Reporting ; UNACOM Meeting re Updates on recent works and engagements with WH and Tentative List; and Review of Proposals for International Assistance for UNESCO; and Meeting with UNACOM on the updating of the UNESCO WHS Tentative List.

3.4.3. ASEAN Heritage Parks

The Bureau participated in 12 workshops/meetings and capacity building activities: Online Consultation for Regional Stocktaking Study on Mainstreaming BD in the National Education Curricula of AMS (AWGNCB survey); Training Workshop on Monitoring Management Effectiveness of AHPs; PA Effectiveness Series Programme Discussion; 1st Meeting of the Philippines-European Union (PH-EU) Sub-Committee on Development Cooperation; ASEAN Webinar on the IUCN Green List of Protected and Conserved Areas; 8th AHP Committee Meeting; 31st Meeting of the AWGNCB on 8-9 Jul 2021; 2021 Virtual Series on Monitoring Effectiveness of AHPs and Protected Areas in ASEAN; 4th Meeting of the Project Steering Committee (PSC) for the Biodiversity Conservation and Management of Protected Areas in ASEAN (BCAMP) Project; Meeting with Rep. Abdullah D. Dimaporo and ACB on the Nomination of Mt. Inayawan Range NP as AHP; ASEAN Workshop on Protected Area Effectiveness: Using SMART and METT for Conservation Outcomes; and Sustainable Financing for ASEAN Heritage Parks Session 5.

The Bureau also reviewed and acted on 34 AHP and BCAMP related documents. Selected staff from the Bureau also joined with the ACB the Field Evaluation Mission to Pasonanca NP and Mt. Inayawan Range NP on 9-15 December.

3.4.4. Association of Southeast Asian Nations (ASEAN) Working Group

3.4.1.1. ASEAN Task Force on Peatlands (ATFP)

The DENR chaired and hosted the 6th Meeting of the ASEAN Task Force on Peatlands (ATFP), held back-to-back with the 3rd Regional Program Steering Committee Meetings of the ASEAN Peatland Programmes on 28-30 June. The meetings were attended by ASEAN Member States to discuss peatland management issues and updates on the implementation of regional peatland programmes. On 30 September, BMB also chaired the Special Meeting of the Programme Steering Committee of the Sustainable Use of Peatlands and Haze Mitigation in the ASEAN (SUPA).

3.4.1.2. ASEAN Working Group on Conservation and Biodiversity (AWGNCB)

The Bureau spearheaded and chaired the conduct of the 31st Meeting of the AWGNCB on 8-9 July 2021. * Request from Gino more inputs, particularly on the interventions made by the Philippines



Figure 31. 31st Meeting of the AWGNCB. *Left.* Undersecretary Edilberto DC Leonardo as chair. *Right.* BMB Delegates

3.4.1.3. ASEAN Working Group on CITES and Wildlife Enforcement (AWGCWE)

The Bureau attended the ASEAN Technical Meeting on Development of ASEAN Handbook on Legal Cooperation to Combat IWT on April 28, 2021. The Bureau also participated in the 16th ASEAN working group on CITES and Wildlife Enforcement on May 27, 2021, and in ASEAN Meeting to discuss the ASEAN Handbook on Legal Cooperation to Combat IWT on 26 May.

3.4.5. Convention on Biological Diversity

The Bureau participated in the following online meetings: Informal Sessions for Subsidiary Body on Scientific, Technical and Technological Advice (SBSTTA) 24 on 17-19 & 24-26 February 2021; Informal Meeting on Subsidiary Body on Implementation (CBD-SBI) on 11 March; and Meeting with CBD and ASEAN representative to discuss the Financial Mechanism for CBD and its protocols for GEF 8 Replenishment on 11 August.

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

One of the commitments of the Philippines to the CITES is the annual inventory report on the government stockpile of ivory. Every January of the year, the inventory of confiscated ivory and rhino horns was conducted. The inventory will form part of the annual report submitted to the CITES Secretariat.

Further, CITES-related reports like Annual Trade and Annual Illegal Trade Report were submitted to the CITES Secretariat on 25 October. The Implementation Report G1431 was submitted to the CITES Secretariat in December 2021.

3.4.7. Ramsar Convention

The Bureau submitted the National Report Form on the Implementation of the Ramsar Convention on Wetlands in the Philippines to the 14th Meeting of the Conference of Contracting Parties last 27 January.

The Bureau is a member of the Philippine Delegation that participated in night-time virtual meetings on the Convention on Wetlands (Ramsar) such as the Ramsar Asia Regional Meeting on 27 September, Closed Session Meeting of the Ramsar Standing Committee on 13 September, and the 3rd ExtraOrdinary Meeting of the Conference of the Contracting Parties (COP) to the Ramsar Convention on 25-29 October and 4 November. These meetings threshed out issues related to the pandemic and in preparation for the postponed COP14 to be held in November 2022 in Wuhan, China.

3.4.8. Global Biodiversity Information Facility

Attended the GBIF virtual Global Nodes Meeting 2021 on 28-30 June and 1-2 July 2021.

3.4.9. Coral Triangle Initiative

CTI is a multilateral partnership of six countries – Indonesia, Malaysia, Papua New Guinea, Philippines, Solomon Islands and Timor-Leste. The Executive Order 797:

Adopting the Philippines' National Plan of Action (NPOA). The 16th Senior Officials' Meeting (SOM-16) of the Coral Triangle Initiative on Coral Reefs, Fisheries and Food Security (CTI-CFF) was conducted via Zoom online platform on 13-16 December 2021.

3.4.10. 30x30 Target for the Post Global Biodiversity Framework

The Bureau conducted a workshop on 30x30 Target for the Post Global Biodiversity Framework Consultation on 26 August 2021 in preparation for the fifteenth meeting of the Conference of the Parties (COP15) to the Convention on Biological Diversity (CBD) which was set to adopt a Post-2020 Global Biodiversity Framework (GBF) on October 2021 in Kunming, China. This new framework builds on the achievements of the 2011-2020 Strategic Plan for Biodiversity and the 20 global biodiversity targets (Aichi Targets) that will continue to cater to the convention's 2050 vision of "living in harmony with nature". There is an ongoing comprehensive and participatory process of developing this new framework among parties. Along with this intersessional work, a campaign called the 30x30 ambition has emerged, enjoining parties to participate in the call and commit to its achievement.

The High Ambition Coalition (HAC) for Nature and People is composed of 60 countries (co-chaired by Costa Rica and France) espousing the protection of at least 30% of the world's land and ocean by 2030 – coined as the 30x30 target. This seeks to halt accelerated biodiversity loss and protect vital ecosystems that underpin economic security. This global ambition specifically requires increased spatial targets to protect or effectively conserve at least 30% of the planet (land and sea), effective management of protected and conserved areas, increased public and private financing to ensure long-term management and local governance, and clear implementation mechanisms to put nature on a path to recovery by 2030. Meanwhile, the UK is the Ocean co-chair of the HAC with its lead role in the Global Ocean Alliance initiative, championing specifically for the protection of 30% of the global ocean in Marine Protected Areas and Other Effective area-based Conservation Measures (OECMs) by 2030, along with 30 other countries. The alliance seeks to protect the world's ocean generally from the effects of climate change and plastic pollution.

The 30x30 target is based on scientific evidence enclosed in reports and scientific studies and researches, most notably, the IPBES Global Assessment Report on Biodiversity and Ecosystem Services, 5th Edition of Global Biodiversity Outlook Draft Summary for Policymakers, Living Planet Report, and a comprehensive report on the costs, benefits and economic implications of protecting 30% of the planet that was prepared by over a hundred economists and scientists. The embassies of France and the UK in the Philippines, have presented the 30x30 global ambition and made several online correspondences, including virtual meetings with the DENR Biodiversity Management Bureau (BMB) to seek the country's participation in the coalition.

The BMB held an initial consultation with partners in the Marine Protected Area Support Network (MSN) where government, non-government agencies, and academic institutions are represented. As a result of this meeting, a workshop was conducted discussing in detail the experience of making a commitment to the said global target.

3.4.11. Biodiversity Beyond National Jurisdiction (BBNJ)

The BBNJ working group aims to facilitate science-policy engagement in the development of the BBNJ agreement. The working group has 79 members. Key objectives include: synthesize scientific knowledge relating to the conservation and sustainable use of BBNJ and identify key issues for the development of the BBNJ instrument; publish open-access academic papers, policy briefs, and educational materials on key issues for BBNJ and provide input to the BBNJ negotiation process through submissions, side-events, workshops and engagement; and provide a focal point for deep-sea scientific expertise and network engagement on BBNJ relevant issues and a platform for collaboration between scientists and other stakeholders.

The Philippines attended the 2021 Informal Intersessional BBNJ High Seas Treaty Dialogues last 10-12 February.

The BBNJ Agreement Dialogue Series for ASEAN Member States last 14 April 2021, organized by the Centre for International Law (CIL) of the National University of Singapore (NUS), together with Hanoi Law University, and with support from The High Seas Alliance was attended by the Philippine delegation with participants from the BMB-Coastal and Marine Division.

3.4.12. Intergovernmental Oceanographic Commission (IOC-UNESCO)

The Intergovernmental Oceanographic Commission of UNESCO (IOC) is the United Nations body responsible for supporting global ocean science and services. The IOC enables its 150 Member States to work together to protect the health of our shared ocean by coordinating programmes in areas such as ocean observations, tsunami warnings and marine spatial planning. The Philippines is a member of the IOC Executive Council for the period of 2019-2021. This is the Philippines' third consecutive term as one of the 40 members of the Executive Council. The Philippine delegation attended the 53rd Session of the Intergovernmental Oceanographic Commission (IOC) co-headed by Deputy Permanent Delegate Aileen Mendiola-Rau and Director John Francis Herrera (center photo, center row) held virtually from 01 to 09 February 2021 with participants from the BMB-Coastal and Marine Division.

3.5. Foreign-Assisted Projects

3.5.1. Pipeline Projects

3.5.1.1. Seventh Operational Phase of the GEF Small Grants Programme in the Philippines

The project under PPG Stage and with GEF grant amounting to USD 5,000,000 which aims to build socio-ecological and economic resilience in four (4) selected landscapes and seascapes on the Eastern Seaboard of the Philippines - (1) Catubig Watershed Samar Island, (2) Aurora Province in the Sierra Madre, (3) Siargao Island Protected Landscape/Seascape - and along the West Philippine Sea - (4) Calamian Islands in Northern Palawan - through community-based activities for global environmental benefits and sustainable development.

3.5.1.2. Protecting Priority Coastal and Marine Ecosystems to Conserve Globally Significant Endangered, Threatened, and Protected (ETP) Marine Wildlife in South-Eastern Mindanao, Philippines

The project formerly known as “Conservation of Critically Endangered Dugong in its Habitats in the eastern seaboard of Mindanao, Philippines is under PPG Stage with GEF Grant amounting to USD 3,000,000. It aims to strengthen management effectiveness and address underrepresentation of Marine Conservation Areas designed to conserve ETP marine wildlife and sustain ecosystem services for human well-being.

3.5.1.3. Philippine Rise Integrated Conservation for Enduring Legacies through Ecosystem Support Services (PRICELESS)

The project under PPG Stage and with GEF grant amounting to USD 4,156,000. The objectives of the project are:

- 1) By 2025, Philippine Rise Marine Resource Reserve is elevated to a Republic Act with an effective management body and information system for the stricter protection and improved management of the unique biodiversity of the Benham Bank (49,684 hectares) and its buffer zone (352,390 hectares) established;
- 2) Livelihoods dependent on the Benham Bank are improved through better fisheries efficiencies and enhanced social justice as well as new enterprise opportunities for a number of fisheries-dependent communities; and
- 3) The entire tuna fishery and its associated marine habitat is managed sustainably through an EAFM plan (50,534,500 hectares).

3.5.1.4. Focusing Strategic Actions on Sustainable Management of Natural Resources towards Rehabilitation and Preservation of the Key Biodiversity Area along Bataan Province to Manila Bay

The project is under PPG Stage, formerly entitled as “Sustainable Management of Natural Resources along Bataan to Manila Bay” with GEF Grant amounting to 3,100,000. The Project aims to ensure the conservation of biodiversity and natural resources and arrest ongoing land degradation through appropriate soil and water conservation measures and biodiversity-friendly agricultural practices within Bataan Province to Manila Bay.

3.5.1.5. Coral Reef Rescue: Resilient Coral Reefs, Resilient Communities

The project is under the PPG Stage with GEF Grant amounting to 7,848,000. The Project aims to build capacity and solutions for safeguarding globally significant climate resilient coral reefs to ensure long term survival of coral reef ecosystems and maintenance of associated blue economies and the resilience of communities who are dependent on these reefs.

3.5.1.6. Effectively Managing an Ecological Network of Marine Protected Areas in the Large Marine Ecosystems in the ASEAN Region (ASEAN ENMAPS) – ACB-PEMSEA Joint Proposal

The project is under PPG Stage. It aims to improve governance and management of ecological networks of marine protected areas and their components MPA networks and other effective area-based conservation measures (OECMs) in the Bay of Bengal, South China Sea, the Sulu-Celebes Seas, and the Indonesian Sea to increase their coverage and support sustainable fisheries and other ecosystem goods and services in these Large Marine Ecosystems. The Project sites are in MIMAROPA Region: Palawan: Taytay, El Nido), Western Visayas; Negros Occidental: Cauayan, Sipalay, Hinoba-an.

3.5.1.7. Implementation of the Sulu-Celebes LME Regional and National Strategic Action Programs

The project is under PPG Stage. It aims to catalyze actions and investments at the regional, national and local levels to rehabilitate and sustain fisheries and coastal and marine ecosystem services in the Sulu Celebes LME in support of regional and national commitments.

3.5.1.8. Strengthening Management Effectiveness of the National Protected Area System

The project under PPG Stage with expected GEF grant amounting to USD 7,255,000. The main expected output of the Project is to have at least thirty (30) protected areas forest formation identified and forest cover baselines mapped with spatial data.

3.5.1.9. Preparation of the 7th National Report to the Convention on Biological Diversity under the enabling activity

The project under PPG Stage and with expected GEF grant amounting to USD 500,000. It aims to create a national report to the CBD on the progress of implementation of the PBSAP.

3.5.1.10. Enhancing Ecosystems Resilience in Protected Areas through Climate Risk Assessment, Adaptation and Mitigation

The project under PPG Stage and with expected GEF grant amounting to USD 6,648,103. It aims to increase resilience of protected areas against impacts of climate change; to develop nature-based solutions or Ecosystem-based adaptation measures in Protected Areas; and to rehabilitate degraded inland wetlands.

3.5.1.11. Building a Biodiversity-Friendly Urban Development

The project under PPG Stage and with expected GEF grant amounting to USD 900,000. It aims to develop a biodiversity-friendly city to increase access of urban dwellers to

green spaces across boundaries; to maintain functional urban green spaces to regain ecosystem services, develop resiliency, increase aesthetics of urban areas and quality environment; and to bring people close to nature to improve human well-being.

3.5.1.12. Technical and Sustainable Finance Interventions Toward Strengthening Climate Resiliency of Communities and Marine Ecosystems

The project under PPG Stage and with expected GEF grant amounting to USD 5,000,000.

3.5.1.13. Implementing Measures Towards the Effective Management of Invasive Alien Species (IAS) within Protected Areas in the Philippines

The project under PPG Stage and with expected GEF grant amounting to USD 5,000,000.

3.5.1.14. Fostering Sustainability and Resilience of Production Landscapes for Food, Nutrition and Livelihoods Security by Unlocking the Benefits of Biodiversity and Genetic Resources in the Philippines

The project under PPG Stage and with expected GEF grant amounting to USD 5,000,000. The Project aims to: To conserve and sustainably use biodiversity and genetic resources of global significance; enhance benefit sharing from conservation and sustainable utilization in compliance with the applicable ABS regime; and create a market and wealth opportunities in selected priority conservation areas of the Philippines.

3.5.2. Project Implementation

3.5.2.1. Integrated Approach in Management of Major Biodiversity Corridors in the Philippines (BD Corridor Project)

Review, Updating, and Preparation of the Project Results Framework, Multi-Year Work Plan 2022-2027, and the CY 2021- and 2022 Annual Work Plans.

The National Project Management Unit (NPMU) consulted with the Department of Environment and Natural Resources (DENR)- Biodiversity Management Bureau (BMB), Foreign Assisted and Special Projects Office (FASPS), and United National Development Programme (UNDP) on the Project Results Framework (PRF), particularly on the baselines, mid-term targets and baseline information and data gathering processes.

he NPMU held small meetings with the BMB, UNDP, and FASPS in September and October to finalize the Multi-Year Work Plan (MYWP) to be proposed for discussion in the National Inception Workshop. Some activities were proposed to be advanced, while other activities will be delayed due to certain conditions on the ground and in consideration of the 2022 national elections. Some activities which may involve consultations and participation of Local Government Executives (LCE) were proposed to be deferred until after the election and the LCE's assumption to office.

For the Annual Work Plans (AWP), rigorous and extensive meetings and discussions before the activities were identified and finalized in consultation with the different agencies like the Department of Agriculture (DA)- Bureau of Soils and Water Management

(BSWM), Department of Trade and Industry (DTI), Department of Tourism (DOT), and the DENR-FASPS and Bureaus like the BMB and the Forest Management Bureau (FMB).

Conduct of the Pre-Inception Workshop and National Inception Workshop

A Pre-Inception Workshop was conducted on 24 November 2021 via face to face and Zoom platform with the goals of building commitment and momentum for the project and clarifying the roles, support services, and responsibilities of the Executing Agency and UNDP Implementing Partner (DENR) and the UNDP Country Office. Also discussed were the roles, functions, and responsibilities of the project's decision-making structures, including reporting and communication lines, and conflict resolution mechanisms. 49 participants attended from the following offices: 39 from DENR [Policy and Planning Service (PPS), BMB, FASPS, FMB, DENR-MIMAROPA, DENR- Caraga, and DENR- Region 11)]; three from UNDP with two representatives from UNDP- Bangkok; and, and six staff of the NPMU.

The National Inception Workshop was conducted on 2-3 December 2021 via face-to-face and Zoom platform with the objectives of: a) familiarizing key stakeholders with the project components, outcomes and outputs, implementation and governance structures; b) introducing the UNDP Environment and Social Standards, Social & Environmental Screening Procedure, Project Risk Log, Gender Action Plan, Stakeholder Engagement Action Plan, and Indigenous Peoples Planning Framework; c) reviewing and validating the Project Results Framework; d) reviewing and finalizing the Multi-year Work Plan; and, e) reviewing and finalizing the Annual Work Plan (AWP) for 2022.

Based on registered participants, around 165 attended representing the DENR bureaus, regional and provincial offices, 15 national government agencies such as the National Economic and Development Authority (NEDA), National Commission on Indigenous Peoples (NCIP), DA, DTI, DOT, Department of Interior and Local Government (DILG), Department of Human Settlement and Urban Development (DHSUD), Philippine Commission on Women (PCW), and civil society organizations such as the Haribon Foundation, Institute for Social Entrepreneurship in Asia (ISEA), Philippine Association for Intercultural Development (PAFID) and RARE Philippines.

The PRF was reviewed by the multi-sector participants during the Inception Workshop. The major recommendations on the PRF were the following: (a) the need to update the baselines in year 1 with new developments and policies in place (e.g. Biodiversity-friendly agriculture partnership, Biodiversity-friendly enterprise, among others), and (b) the need to re-assess the mid-term targets and internally agree to exceed them so as not to cram in the remaining three years.

On the Multi-Year Work Plan, the general observations were the following: (a) since the project is ambitious, there was a proposal for a coordination plan to be prepared per component /sub-activity for the implementing partners and DENR bureaus to have a more synchronous schedule with the project; (2) since activities are not necessarily sequential, there can be certain adjustments in activities based on the status on the ground. On the 2022 Annual Work Plan, the different sub-groups generally agreed on the proposed activities to be undertaken for the year.



Figure 32. BD Corridor Project National Inception Workshop on 2-3 December 2021

Conduct of the 1st Inter-Agency Technical Working Group (TWG) Meeting

The 1st Inter-Agency TWG meeting was held on December 10, 2021, via face-to-face and Zoom platform as a preparatory activity for the National Project Board (NPB) set on 06 January 2021. The Meeting was called to present, review and validate the results of the National Inception Workshop on the following documents: (a) Project Results Framework (PRF); (b) Multi-Year Work Plan (MYWP), and (c) Annual Work Plan (AWP) 2022. There were 20 registered participants with almost all of the member agencies represented, except for the DOST-FPRDI (Forest Products Research and Development Institute).

The TWG approved for endorsement to the National Project Board the PRF, MYWP, and AWP 2022, subject to minor comments on the sequence of activities and schedule. It also agreed that TWG members assign permanent alternates to ensure continuity in discussions and to expand the TWG membership to include representatives from the Department of Agrarian Reform, PCW, DENR-Knowledge, and Information Systems Services (KISS), and the FAO/GEF Project on Forest Certification System. It also referred to the NCIP the selection of an IP Federation representative following the IP process of selection and to the GEF-CSO Network the selection of a CSO representative.

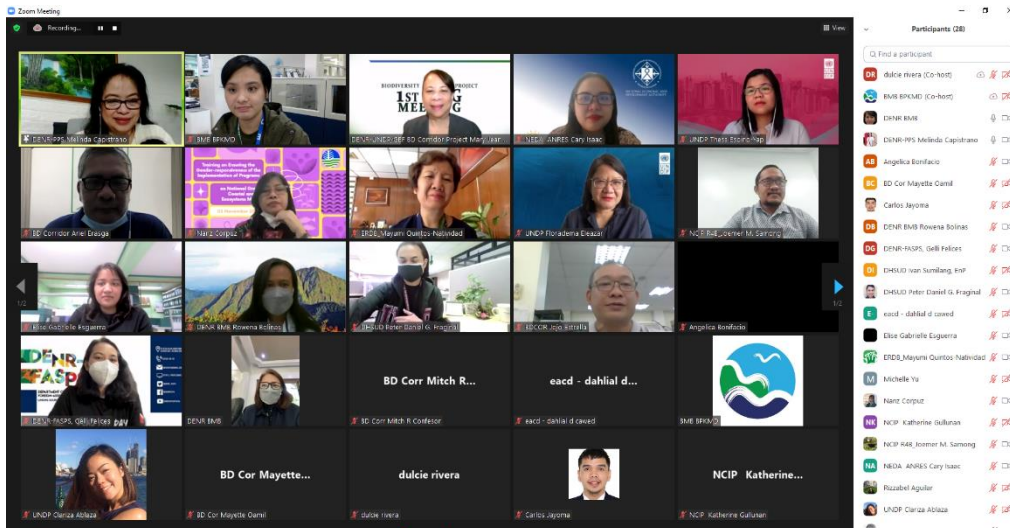


Figure 33. Participants of the BD Corridor 1st Interagency TWG Meeting on 10 December 2021

The Project Document was signed by the DENR (June 04, 2021), UNDP (May 12, 2021) and NEDA (July 19, 2021) after issuance of the Special Presidential Authority on April 27, 2021. Preparatory to and after signing, the following were conducted:

Hiring of National Project Management Unit (NPMU) Staff

The DENR-BMB convened a Personnel Selection Board through Special Order (SO) 2020-87 dated June 04, 2020, to spearhead the selection, screening, and eventual hiring of the NPMU staff. The vacancy positions for seven NPMU positions (National Project Manager, Natural Resources Management Officer, Planning/Monitoring and Evaluation Officer, Communications Officer, Operations Officer, Assistant Finance Officer, Procurement Officer) were posted on the BMB website in December 2020. Screening of applicants was conducted in early January 2021 until February 2021. Notices of engagement were issued in March 2021, except for the National Project Manager who was engaged on December 1, 2021.

Establishment of Office and Project Staff Orientation

The DENR- BMB provided office space, office furniture, and necessary office equipment to jump-start operations. The BMB with UNDP also conducted Project Orientation Meeting for the in-coming staff on 24 August 2021.

Opening of Project Account, Coordination with UNDP and FASPs Finance on Finance Matters and Enhancement of the Finance and Admin of Operations Manual.

Approval for the opening of a Project current account at the Land Bank of the Philippines (LBP) was secured by the DENR-FASPS from the Department of Finance (DOF) on 15 September 2021. Thereafter, the DENR- BMB wrote a follow-up letter to DOF requesting for the opening of an account at the BMB where the NPMU is housed. Due to COVID-19 quarantines at the LBP branch, the reservation of an account under the BD Corridor Project was provided only on 3 November 2021. Consequently, the DENR-BMB issued a Memorandum to the Regional Executive Directors of Region IV-B (MIMAROPA) and Region XIII (CARAGA) requesting them to open their separate current accounts in their LBP branches: (1) DENR MIMAROPA thru the Provincial Environment and Natural Resources Office (PENRO) Occidental Mindoro), and (2) DENR Region XIII (CARAGA).

The BMB and NPMU Staff were oriented on the UNDP Harmonization Approach to Cash Transfer (HACT) where the UNDP policies, procedures on cash transfer modality, audit, assurance, corporate reports, and monitoring and evaluation were discussed and shared, during a three half-day training on September 21, 22, and 24, 2021.

Parallel to the opening of accounts, the UNDP informed the DENR on 30 September 2021 that the Project's implementation expenses for CY 2021 are being made available by UNDP upon request for direct cash transfer to DENR. These expenses will cover: a) hiring of the National and Corridor Project Management Unit Staff, (b) conduct of the National and Site-Level Inception Workshops; and c) procurement of IT equipment.

Preparation of Project Operations Manual

A draft Project Operations Manual prepared by the DENR was reviewed and revised by the NPMU, BMB and UNDP, with particular focus on the financial arrangements under the DENR National Implementation Modality (NIM). Under the NIM, the DENR directly assumes the responsibility for the outputs and carries out all activities towards the achievement of these outputs. Government regulations, rules and procedures shall apply to project implementation to the extent that they do not contravene the principles of the Financial regulations and Rules of UNDP and GEF. The draft Operations Manual was presented and discussed with the UNDP, DENR- BMB and FASPS and is currently being enhanced. It will be presented to the DENR- Region 4B (MIMAROPA), DENR- Regions XI and XIII (CARAGA) once the CPMU staff are engaged in 2022.

Coordination Meetings with DENR Regional Offices and National Government Agencies (NGAs)

Several coordination meetings were conducted face-to-face or virtually to orient partner agencies on the Project, discuss implementation arrangements and roles of partner agencies, among others. These include: Project Re-Orientation with the DENR Regional Executive Directors (REDs) and Regional Officers and staff on 15 October 2021, to provide updates and familiarize new staff on the objective and targets of the project; Meeting with the National Commission on Indigenous Peoples (NCIP) on 27 October 2021, to discuss implementation arrangements at the central and field offices, the drafting of the Memorandum of Agreement (MOA) between the DENR and NCIP, and the preparation of the NCIP capacity building plan; Meeting with the Department of Agriculture (DA)- Bureau of Soils and Water Management (BSWM) on 09 November 2021, to discuss the objectives and proposed activities under Component 3.2 and the implementation of sustainable land management (SLM), including implications of the recently signed Joint Administrative Order 2021-01 re: SLM; Meeting with the Department of Human Settlement and Urban Development (DHSUD) on 11 November 2021, to discuss the development of the Manual on the incorporation of biodiversity concerns in the preparation of the Comprehensive Land Use Plans (CLUPs) being finalized between the DENR and DHSUD; Meeting with the Department of Tourism (DOT) on 17 November 2021, to discuss the implementation and ongoing arrangements between the DENR and DOT on ecotourism initiatives; and Meeting with the Department of Trade and Industry (DTI) on 19 November 2021, to discuss the identification and prioritization of biodiversity-friendly enterprises (BDFEs) in the corridors.

3.5.2.2. Biodiversity Finance Initiatives (BIOFIN)

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

Capacity Building

A total of 181 individuals (M-69, F-112) from Protected Area Management Offices (PAMO), Protected Area Management Boards (PAMB), local government units (LGUs),

and DENR regional offices benefitted from 3 capacity building activities namely: 1) Mentoring and Coaching Workshop on PA Finance Plan Preparation, 2) Private Sector Resource Mobilization for Protected Areas, and 3) Local Biodiversity Finance Plan Preparation. These capacity-building activities sought to increase knowledge and skills on resource mobilization anchored on an effective biodiversity conservation strategy.

Three (3) protected areas were able to secure support from the private sector arising from the resource mobilization training on private sector engagement conducted in June. One-year free subscription to Akubo, a locally-developed software for online marketing and data management which can handle email marketing, contact organization, analytics and event management was secured for the participants valued at Php 24,000.

The 3-day training (2 hours/day) on the use of the Akubo software for 2 protected areas (Tubbataha Reefs Marine Natural Park and Balinsasayao Twin Lakes) was conducted from July 21-23.

BIOFIN provided advice to Tubbataha Reefs Natural Marine Park for their potential partnership with Jimenez Group of Companies which is involved in various businesses such as: media (GMA Network, RX93, Philippine Star); property and construction (Menarco Tower, Nuvo City, M2 Panels); food and retail (Coffee Bean and Tea Leaf, Nonos Restaurant) and services (Lifeline Emergency Ambulance, Bridge Solutions). They were able to secure Php500,000 from the Jimenez Group of Companies.

The introduction of Apo Reef Natural Park to the Meloy Fund enabled the donation of a year's supply of sunscreen to the protected area's rangers estimated at Php200,000.



Figure 34. Panel of resource persons for the Conservation on Biodiversity – a talkshow hosted by Jing Castaneda where private sector representatives shared with BIOFIN's LGU and PAMO partners their existing biodiversity-related partnership activities

Moreover, as a result of its participation in BIOFIN's finance planning workshop in 2017, the municipality of Sablayan, Occidental Mindoro implemented one of its five finance solutions which is accessing support from national government agencies. The local government unit (LGU) prepared several proposals on the following areas:

Project	Funding Agency	Project Cost	Project Status
Port development to improve access to ecotourism sites	Department of Transportation (DOTr)	PHP48,480,047.33	Completed
Restoration of Lumang Simbahan	National Historical Commission (NHC)	PHP10,000,000.00	Completed
Access road projects	Department of Social Welfare and Development (DSWD) - National Community-Driven Development Program (NCDDP) Department of the Interior and Local Government (DILG) - Local Government Support Fund-Assistance to the Municipalities (LGSF-AM) Program Provincial Governor's Office (PGO) -Conditional Augmentation Fund for Municipal Initiated Projects (CAFMIIP)	PHP55,669,000.00	Completed
Spider lily-based handicraft production for Marabong Community Resource Management Association (MACORMA)	Department of Trade and Industry (DTI) Department of Science and Technology (DOST)	PHP1,102,281.00	Completed
Indigenous People Community Based Eco Tourism (IPCBEET) Project	LGU Sablayan/ Gender and Development (GAD)	PHP1,550,000.00	Ongoing
SALINTUBIG projects (3 units)	DILG	PHP12,028,000.00	Ongoing
Classroom building with laboratory	DILG - Performance Challenge Fund (PCF)	PHP2,250,000.00	Completed
Emergency transport vehicle	Department of Health (DOH) and Department of Budget and Management (DBM) - Local Government Support Fund (LGSF)	PHP2,500,000.00	Completed

Mainstreaming biodiversity in LGUs

Based on priorities in its Negros Island Biodiversity Strategy and Action Plan, the province of Negros Occidental allotted P20M from 2020-2022 for the Southwestern Negros Key Biodiversity Area (KBA). This KBA with an area of 1,000 hectares, covers the city of Sipalay and the municipalities of Cauayan, Hinoba-an and Candoni. It hosts threatened species like the critically-endangered Visayan Bare-backed Fruit Bat, Negros Bleeding-heart, and Visayan Warty Pig. Although not officially protected, the local governments have declared the areas within their jurisdiction as local conservation areas and a wildlife sanctuary.

The provincial government has also allotted PhP10M from its Development Fund for livelihood, water impounding projects (PhP5M), and reforestation (PhP5M) of 150 hectares in Hinobaan. This is in partnership with the Philippines Biodiversity Conservation Foundation, Inc., Sitio Bugtong Lubi Indigenous Farmers Association, LGU of Hinobaan, NCIP, and the DENR.

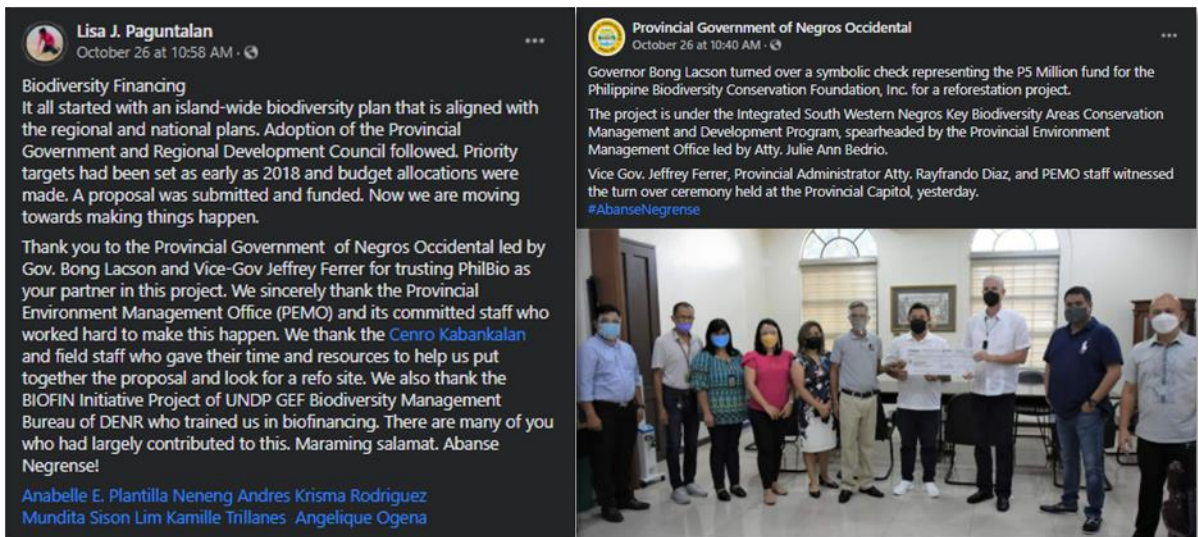


Figure 35. Negros Occidental provincial government awarded Php 5M to the Philippine Biodiversity Conservation Foundation, Inc. in support of the Negros Island Biodiversity Strategy and Action Plan formulation, which BIOFIN Philippines supported as part of its localization of the BIOFIN methodology to LGUs.

Partnership between the Biodiversity Management Bureau (BMB) and Public-Private Partnership (PPP) Center

PPP Center Executive Director Ferdinand Pecson and BMB Director Usecretary Edilberto Leonardo signed the MOA in August. This MOA aims to provide a framework for cooperation and coordination between the Parties to achieve the following: (1) developing a robust pipeline of PPP projects in selected protected areas; (2) policy enhancements and capacity building for DENR, Protected Area Management Boards (PAMBs) and Local Implementing Agencies (LGUs included), as well as community organizations, on how PPPs in protected areas can be structured and designed sustainably and responsibly.

A joint workplan for 2022 was drafted covering the development of PPP guidelines in protected areas (PA), capacity building activities on PPP 101 and a pipeline of eligible projects. A draft DAO on PPP guidelines for PAs under the National Integrated Protected Areas System (NIPAS), has been shared with BMB and PPPC for comment and reference.

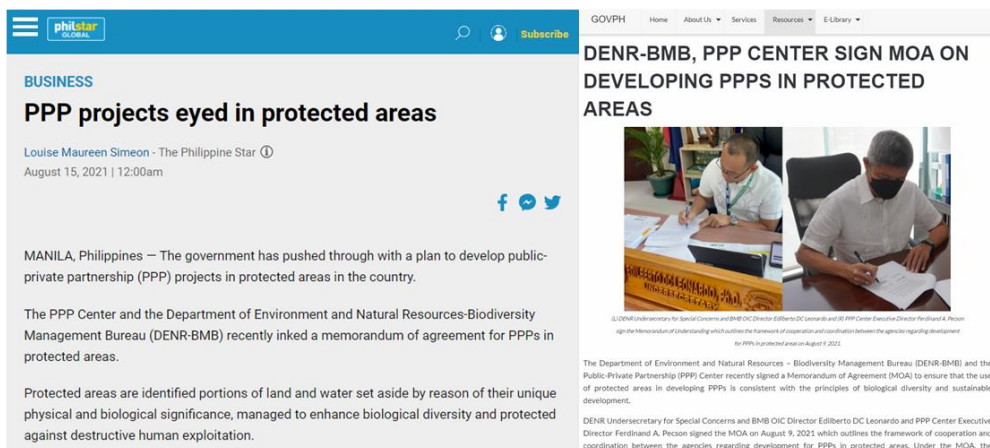


Figure 36. MOA Signing between DENR-BMB and PPP Center on Developing PPPs in Protected Areas.

3.5.2.3. Illegal Wildlife trade: Combatting Environmental Organized Crime in the Philippines (IWT) Project

The project aims to combat environment-organized crime in the Philippines through legal and institutional reform, capacity building in the law enforcement chain and demand reduction measures. The Project ended 31 December 2021.

Component 1: Policy and Information Exchange.

Amendatory Bill and IRR

The Project supported the filing of a Senate bill on the Amendment of Wildlife Act on 2 March 2021. The first reading was held on 3 March, the joint Public Hearing was conducted on 30 June, and the Senate internal TWG was held on 28 October and 24 November to reconcile with HB 9833. The Senate Committee Report and substitute bill was discussed in Plenary on 14 December. Moreover, the draft amendments to the IRR of RA 9147 were re-endorsed to the DENR-PTWG

Local Ordinance and Resolution

The Project provided three (3) templates of Local Ordinances: Safeguarding the Health and Welfare of the Inhabitants from Zoonotic Disease through the Protection of Wildlife, Regulation of Possession, Transport and Trade; Providing for the Establishment, Funding and Maintenance of Provincial Wildlife Rescue Center; and Regulation, Control, Containment, Removal, and Eradication of Invasive Alien Species (IAS). Moreover, the Project also drafted the template for the Statement of Support for Senate Bills 2078 and 2079 and was able to collect 48 signatories for 30 provincial, city, municipal LGUs and DULG Regional Offices.

Joint Resolution against wildlife crime

A Resolution against wildlife crime was formally adopted by NALECC-SCENR members and signed during the National Environmental Law Enforcement Summit in July 2021.

Component 2: Capacity Building.

The Project developed a self-paced eTraining Course that can be accessed through the following link: eLearn.adb.com. It contains 7 topics and 18 modules. Four modules and 10 topics are suggested to be taken by the Public while the full course shall be studied by DENR/WEOs.

Component 3: Demand Reduction and CEPA.

The Project completed the sustainable livelihood study of Cabadbaran-Santiago Watershed and Forest Reserve (CSWFR) in Brgy. Puting-bato and Brgy. Mahaba. The two (2) papers were submitted to international scientific journals.

The Project completed its report on Post-Campaign Consumers that covers Metro Manila, Cebu and CARAGA.

The Project developed several CEPA materials and knowledge products such as the RA 9147 Video, IWT Calendar, Short Video on IWT Social Media Cards (10 Social Media Cards on the Senate Bills, short videos on Repatriation of Wildlife, eTraining Course, eCITES PH, WildALERT, Machine Learning, and associated Users and Admin Manuals, 5 IWT Posters in Filipino and Bisaya, Knowledge Series, Everyone Has a Role: The @StopIWT Documentary). The videos are available in the Bureau’s official YouTube page.

Component 4: Project Management.

For CY 2021, the Project conducted Assessment and Planning Workshop, Sustainability Planning Workshop, 4th and 5th PSC Meetings, and 5th TWG Meeting.

Lastly, the Project attended the Global Wildlife Programme (GWP) Annual Conference on 30 November – 2 December 2021 and won as the 2021 Knowledge Market Most Useful Project Resources.



Figure 37. Global Wildlife Program (GWP) awarded the IWT Project as the 2021 Knowledge Market Most Useful Project Resources

3.5.2.4. Implementing the National Framework on Access and Benefit Sharing of Genetic Resources and Associated Traditional Knowledge in the Philippines (ABS)

In August 2021, the full-blown project entitled “Implementing the National Framework on Access and Benefit Sharing of Genetic Resources and Associated Traditional Knowledge in the Philippines” with a Project budget of USD4,384,000.00 has been approved by Global Environment Facility (GEF). The project aims for the effective implementation of the Nagoya Protocol in the Philippines, by strengthening the national Access and Benefit Sharing (ABS) framework, building national and local capacities, and developing critical experience in ABS agreements.

The project seeks to increase economic opportunity and biodiversity conservation for local communities and indigenous peoples in the Philippines stemming from fair and equitable sharing of biodiversity benefits through three main components: (1) Strengthening the national framework for implementing ABS in accordance with the

Nagoya Protocol; (2) Awareness raising and capacity building for implementation of the national ABS framework; and, (3) Demonstrating benefit-sharing agreements.

The project will develop at least 2 bio-products from local genetic resources of Pili tree (*Canarium ovatum* and *Canarium luzonicum*) in Region 5 and Banaba (*Lagerstroemia speciosa*) in Region 3.

3.5.2.5. Sustainable Interventions on Biodiversity, Oceans and Landscapes (SIBOL) Project

SIBOL is a five-year project with the Philippine government to achieve its goals of improving natural resource governance, stimulating public and private sector investments, and reducing environmental crime, leading to greater ecosystem stability and inclusive green growth. SIBOL envisions a resilient Philippines wherein communities, the private sector, and government collaboratively protect the Philippines' rich natural resources in terrestrial and marine landscapes from exploitation, over-use, natural disasters, and climate change.

The National Parks Division works closely with the SIBOL Team for the implementation of PA-related targets of the Project and conducted the following in 2021:

SEAMS

The Project conducted the Orientation of Electronic Socio-Economic Assessment and Monitoring System (E-SEAMS) for BMB employees and Pilot Testing of the Enhanced SEAMS was conducted in the following areas: are Mt. Mantalingahan PL, Puerto Princesa Subterranean River NP, and Cleopatra's Needle Forest Reserve in MIMAROPA Region; Masinloc Oyon Bay Protected Landscape & Seascape in Region 3 and Siargao Island Protected Landscape and Seascape in CARAGA Region.

Capacity Building on Ecosystem Services Valuation

The DENR-BMB and SIBOL spearheaded the "Ecosystem Services (ES) Valuation Workshop| Counting What Counts: Valuing, Assessing and Accounting Ecosystem Services for Policy and Decision-Making". The Workshop aimed to: 1) Introduce the concepts of ecosystem services, ecosystem services assessment, and ecosystem services valuation in the context of PA management; and 2). Demonstrate the major uses of economic values of ES in PA management: a. Decision-making for trade-offs; b. Economic instruments; and c. Natural Capital Accounting (NCA). The capacity building workshops were held on 2 June to 15 July 2021 for the Coastal and Marine Ecosystem Services Batch, and on 21 July to 17 September 2021 for the Terrestrial Ecosystem Services Batch. The Workshops were participated in by personnel from the different DENR Offices and attached agencies, DA-BFAR, and LGUs.

The SIBOL Project and NPD spearheaded the conduct of the Workshop on the Standardization of Data Requirements, Information Needs, and Methods of the Different Monitoring Systems of Biodiversity Management Bureau to address the need for the development of a more comprehensive system for data capture, databasing and analysis. This was the outcome of a

A series of meetings were held with the SIBOL Project for the integration of the Biodiversity Monitoring System implemented under Protected Area Development and Management Program and the Lawin Forest and Biodiversity Monitoring implemented under Forestry program. The Workshop was participated in by staff from the different Divisions of the BMB as well as staff from selected Protected Area Management Offices.

2022 Strategic Planning

The NPD and SIBOL Project held the 2022 Strategic Planning Workshop in December 2021. The parties identified areas for collaboration aimed at improving the management of protected areas.

3.5.2.6. Biodiversity Conservation and Management of Protected Areas (BCAMP) Project

The Project conducted policy forums on mainstreaming biodiversity in infrastructure; Regional Stocktaking Study in Mainstreaming Biodiversity in the National Education Curricula of AMS and Evaluation of Pasonanca Natural Park and Mt. Inayawan Range Natural Park as part of their nomination as ASEAN Heritage Parks

3.5.2.7. GEF-7 Natural Capital Accounting and Assessment Project

The Bureau attended and participated in the following meetings and activities such as Palawan Stakeholders Engagement Meeting on January 14-15, 2021; Discussion of the proposed Implementation Arrangement for the proposed NCA Project on Apr 6, 2021; Meeting with DOT regarding the Project on 23 April 2021; GEF-7 Natural Capital Accounting and Assessment Project National Results Validation Workshop on 24 May 2021; Discussion on GEF 7 NCA Project Budget Proposal and NCA Budget Proposal Realignment on 1 and 3 June 2021, respectively; NCA Project Core Team on Project Players Engagement on August 11, 2021; and meeting with Philippine Statistics Authority for GEF-7 NCA Project on August 12, 2021.

3.5.2.8. Ensuring Sustainable Benefits from Peatland through Protection and Wise Use (EsBenePeat)

The Bureau conducted preparatory activities for the implementation of the Project under the Work Area 2 of the Sustainable Use of Peatland and Haze Mitigation in ASEAN (SUPA) Component 1. The project is expected to be implemented in 2022, in coordination with the Bureau of Fire Protection (DILG-BFP) and other DENR Offices.

3.6. Gender and Development (GAD)

3.6.1. Women's Month

The Bureau through its Gender Focal Point System conducted an online Webinar on Understanding Mental Health in the Midst of COVID-19 Pandemic on 30 March 2021. This is in line with the year's celebration of Women's Month with the theme "Juana, Laban sa Pandemya:Kaya!". Undersecretary and Chair of the DENR Gender Focal Point System

Analiza R. Teh welcomed the guests and participants to the Webinar. It was attended by a total of 177 participants with 128 females and 49 males.

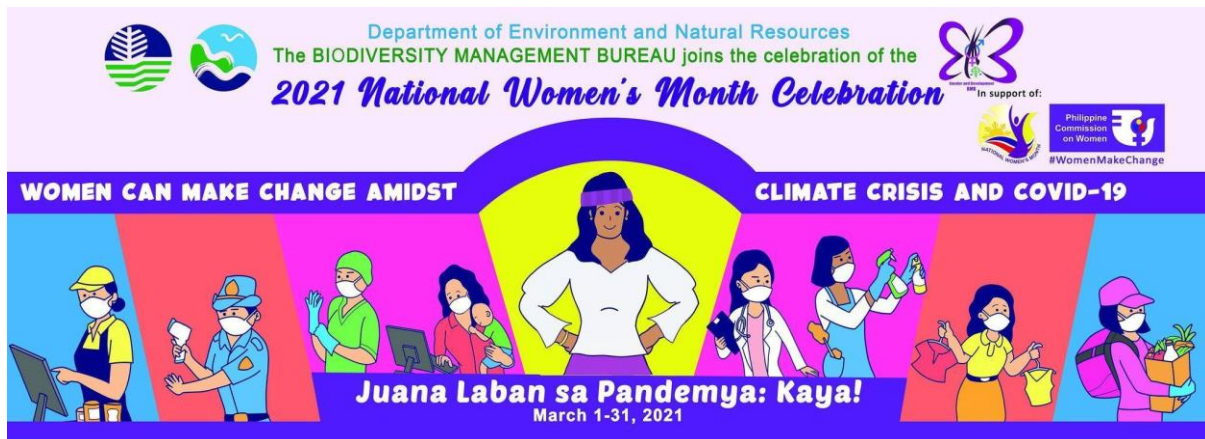


Figure 38. Banner for the Women's Month Celebration

The Webinar highlighted the mental health issues being experienced by most BMB employees brought about by the prolonged lockdown due to the Covid 19 pandemic. The Resource Speaker, Ms. Cinderella Arellano-Sta. Cruz, a Psychometrician and Psychologist, provided excellent tips and important reminders on what, why, when and how mental health issues can be addressed as people continue to perform daily official and personal duties to achieve a sense of well-being and balance.



Figure 39. Social media card used during the Women's Month Celebration

3.6.2. 18-day Campaign Webinar to End Violence Against Women

The Bureau participated in the 18-day Campaign to End Violence Against Women through the conduct of Webinar on November 29, 2021 via zoom and face-to-face. The event recorded 317 participants (153 females and 164 males) from various agencies and sectors.



Figure 40. Participants of the Campaign Webinar to End Violence Against Women

4. Policy Implementation Issues and Actions Taken

Due to physical limitations and travel restrictions brought by the COVID-19 pandemic, several capacity building activities were postponed such as the Learning Event on Single Rope Technique (Level 2), National Management Effectiveness Assessment of Protected Areas, Stop Illegal Wildlife Campaign in airports and seaports, training on wildlife handling and restraints and refresher training on wildlife care management among others. These activities will be conducted in 2022 once the COVID 19 restrictions are eased.

5. Prospect for CY 2021

For CY 2021, the Bureau will continue to establish and manage the protected areas, caves, wetlands and other biodiversity ecosystems, conserve and protect wildlife and manage coastal and marine ecosystems.

In order to strengthen and fully implement its mandates, sufficient funding of the targeted activities is necessary. The budget will be used to capacitate regional counterparts'/field implementers for the effective and efficient management of Protected Areas, other ecosystems, wildlife resources and coastal and marine resources. The Bureau will utilize the online platforms to conduct consultations and coordination between and among the field offices, BMB and the Department of Environment and Natural Resources. The Bureau will continue to formulate sound policies, and amend policies, as the need arises, for the implementation of programs on biodiversity

conservation. Moreover, the Bureau will enjoin Foreign Assisted Projects to sustain their best practices and efforts, and highlight their accomplishments on the conservation and protection of biodiversity. The Bureau will also strengthen its partnership with other national agencies, CSOs/NGOs, Academe, POs and other stakeholders involved in biodiversity conservation.

Specifically, the Bureau will focus more on the establishment of protected areas under the NIPAS. This will prioritize the remaining initial components of the NIPAS and anticipated legislations of additional PAs. This will also include the operationalization of the National NIPAS Review Committee; operationalization of PA Management Offices, subject to the creation of plantilla positions by the Department of Budget and Management; monitoring of Protected Area activities such as SRPAO, boundary Demarcation and on-site NIPAS Act Implementation (subject to COVID-19 Alert Level status); socio-cultural mapping and Documentation in AHPs; conduct of Management Effectiveness Assessment with assistance from SIBOL Project; and operationalization of PA Academy with assistance from FAPs.

The Bureau will fast track the amendment of the RA 9147 and its IRR to strengthen wildlife law enforcement. The Bureau will continue its job to protect the wildlife resources against illegal trade and other activities.

Moreover, the Bureau will continue the consultations for the enhancement of the handbook of the Blue and Green Infrastructure in the Philippines which are expected to be conducted on the Q1 and Q2 of CY 2022. The Bureau will also facilitate the implementation of the Adopt-a-City/Urban Park Project in Quezon City, a three (3)-year project in partnership with DENR-NCR, QC-LGU and Metro Pacific Investment Corporation as part of the implementation of the Urban Biodiversity Program. The Bureau will develop Guidelines and Standards for Urban Forest Bathing in the Philippines in partnership with Forest Foundation of the Philippines, Philippine Association of Landscape Architects and Philippine Institute of Environmental Planners.

Additionally, the Bureau will strengthen the contributions of CMEMP to the Philippine Development Plan Targets (e.g., Habitat Assessment, MPAN, BDFE); implement standardized assessment methods to come up with comparable and cumulative results, and the trends over the years (e.g., Habitat Assessment, Water Quality, Management Effectiveness); conduct continuous validation and updating of submitted data (e.g., Water Quality, MPAN, ICM); Focus on progressing on the Roadmap of CMEMP component implementation (e.g., MPAN, BDFE, Social Marketing, ICM); identify research potential on emerging issues related to coastal resource management (e.g., climate change, potential nature-based solutions, green-grey technology, pollution mitigation); and strengthen the involvement of various stakeholders in CRM activities (e.g., rehabilitation, ICM).

ANNEX A.

**PHYSICAL AND FINANCIAL
PERFORMANCE AS OF 31
DECEMBER 2021**

ANNEX A. Physical and Financial Performance as of 31 December 2021

Department: **ENVIRONMENT AND NATURAL RESOURCES**

Agency: **OFFICE OF THE SECRETARY (OSEC)**

Operating Unit: **BIODIVERSITY MANAGEMENT BUREAU**

Program/Project/Activity: **General Administration and Support**

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INICATOR	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT					
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	OBLIGATION (0)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
										%O/A	%D/O	%D/A
GENERAL MANAGEMENT AND SUPERVISION						PS	7,456,000.00	7,456,000.00	7,450,175.66	100%	100%	100%
						RLIP	656,000.00	609,526.41	609,526.41	93%	100%	93%
1. Budget Unit						MOOE	23,538,000.00	23,447,012.93	22,561,993.85	100%	96%	96%
1.1. Preparation of BP forms for FY 2022 Budget Proposals in coordination with Planning and other units of the Bureau	Budget Proposal Submitted	1	1	100		Total	31,650,000.00	31,512,539.34	30,621,695.92	100%	97%	97%
1.2. Preparation of Budgetary documents required by Senate and Congress	Budget requirements submitted	1	1	100								
1.3. Full-Time Delivery Unit	no. of meetings conducted	7	4	57								
1.4. Preparation of Work and Financial Plan	no. of meetings conducted	2	2	100								
1.5. Preparation, processing, numbering & recording of Claims for Obligations:	No. of Claims prepares, processes, numbered and recorded	2,200	2,410	110								
1.5.1. Purchase Order/Job Order												
1.5.2. Payrolls												
1.5.3. Contracts (i.e janitorial, security, etc)												
1.5.4. Mandatories (utilities, communication, rentals, etc.)												
1.5.5. Insurance/registration of vehicles/bldg												
1.5.6. Remittances												
1.5.7. Other claims (i.e. Tev)												
1.6. Preparation of SAA & NTA	No. of SAA & NTA prepares & issued	6	90	1,500								
1.7. Preparation of financial reports												
1.7.1. Work & Financial Plan (BED No. 1) and Monthly Disbursement Program (BED No. 2)	Financial reports submitted on prescribed period to oversight agencies	44	44	100								
1.7.2. Status of Allotment, Obligations and Balances (SAOB)		12	12	100								
1.7.3. Registry of Allotment and Obligations for PS, MOOE, CO and FE		12	12	100								
1.7.4. Financial Accountability Reports (BFARs): FAR No. 1, FAR No. 1A, FAR No. 1B		4	4	100								
1.7.5. Financial Monitoring Report (FMR)		12	12	100								
1.7.6. Other related budget and financial reports		4	2	50								
1.8. Prepares communication and reviews Special Budget Request (SBR) for Fund 401 and 151	no of SBR prepares, reviewed and submitted	7	7	100								
1.9. Implementation of Good Governance Conditions - Transparency Seal	No. of Financial Reports posted to BMB Website	45	45	100								
1.10. Provides Technical Assistance to other Divisions	No. of technical assistance provided	4	4	100								
1.11. Seminars/Training/Workshop attended related to Budgeting	No. of training/seminars/workshop attended	4	2	50								

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: General Administration and Support

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INICATOR	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	OBLIGATION (0)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)			
										%O/A	%D/O	%D/A	
1.12. Monitoring of downloaded allotment/funds to Regions including IPAF & WMF	No. of Regions monitored	4	13	325									
1.13. Attendance to Budget Hearings (Congress and Senate)	no. of budget hearings attended	3	4	133									
1.14. Support to Budget Unit Operations	Support services hired	4	4	100									
2. Accounting Unit													
2.2. Remittance of GSIS Electronic Module (ERM) of permanent and casual employees, certification (GSIS), Philhealth, Pag-ibig, HOPE, MOWEL, etc.	ERM/Centrification prepared	120	-	-									
2.3. Indexing of monthly individual contributions, premiums, loans, etc. of permanent and casual employees	No. of indexes prepared	1,600	7,214	451									
2.4. Preparation of monthly remittances (GSIS, HDMF, Philhealth, HOPE, FOSLA, PAWBEU, etc.) of permanent and casual employees	No. of remittances prepared/remitted	158	47	30									
2.5. Preparation of monthly remittances to BIR (Fund 101 and Trust Fund) and daily certificate of taxes withheld	No. of remittances prepared/remitted	204	204	100									
2.6. Preparation/submission of the following:	No. of forms prepared												
2.6.1. Annually													
2.6.1.1. BIR Form 1604 - CF		1	1	100									
2.6.1.2. BIR Form 2316		205	156	76									
2.6.2. Monthly													
2.6.2.1. BIR Form 1600		36	29	81									
2.6.2.2. BIR Form 0619-E		36	29	81									
2.6.2.3. BIR Form 1601-CF		12	12	100									
2.6.2.4. BIR Form 2306 & 2307		510	555	109									
2.6.2.5. Monthly Alphalist of Payees		3	12	400									
2.7. Preparation of the following reports:													
2.7.1. Monthly Reports (Fund 101, 151, 401 and 171)													
2.7.1.1. General Journal		12	12	100									
2.7.1.2. Trial Balance		48	48	100									
2.7.1.3. Journal Entry Boucher (JEV)		3,400	3,766	111									
2.7.2. Quarterly and Annual Reports (Fund 101, 151, 401 and 171)													
2.7.2.1. Statement of Financial Position (Condensed and Detailed)		8	8	100									
2.7.2.2. Statement of Financial Performance (Condensed and Detailed)													
2.7.2.3. Statement of Cash Flows (Condensed and Detailed)		12	12	100									
2.7.2.4. Statement of Changes in Net Assets/Equity		4	4	100									

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: General Administration and Support

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INICATOR	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	OBLIGATION (0)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)			
										%O/A	%D/O	%D/A	
2.7.2.5. Notes to Financial Statements		1	1	100									
2.7.2.6. Statement of Comparison of Budget and Amount (SCBAA)		1	1	100									
2.7.2.7. Breakdown of Subsidy Income from National Government		4	4	100									
2.7.2.8. Schedule of Receivables		16	16	100									
2.7.2.9. Schedule of Payables/Other Payables		12	12	100									
2.7.2.10. Schedule of Guarantry Deposits		12	12	100									
2.7.2.11. Consolidated Report Income Collected and Income Deposited		4	4	100									
2.7.2.12. Report of Income (NG Books)		4	4	100									
2.7.2.13. Schedule of Accumulated Depreciation		4	4	100									
2.7.2.14. Financial Working Paper		1	1	100									
2.7.2.15. Tax Remittance Advice		1	1	100									
2.7.2.16. Breakdown of Foreign Travel		1	1	100									
2.7.2.17. Breakdown of other Maintenance and Operating Expenses		1	1	100									
2.7.2.18. Breakdown of Extra Ordinary and Miscellanuouos Expenses		1	1	100									
2.7.2.19. Notice of Cash Allocations Utilized		3	3	100									
2.7.2.20. Notice of Transfer of Cash Allocations from Central Office		1	1	100									
2.7.2.21. Notice of Cash Allocations to Regional Offices		1	1	100									
2.7.2.22. Schedule of PPE with accumulated depreciation		1	1	100									
2.7.3. Financial Accountability Reports (Fund 101, 151, 401 and 171)													
2.7.3.1. Ageing of Due and Dmeandable Obligations (FAR 3)		1	1										
2.7.3.2. Monthly Reports of Disbursements (FAR 4)		12	36	300									
2.7.3.3. Quarterly Reports of Revenue and Other Receipts (FAR 5)		4	8	200									
2.7.3.4. Statement of Approved Budget , Utilizations, Disbursements and Balances for Trust Receipts (FAR 6)		8	8	100									
2.7.3.5. Statement of Obligations, Disbursements, Liquidations and Balances for Inter-Agency Fund Transfers (FAR 1-C)		16	16	100									
2.7.3.6. Report of Aging of Cash Advances (RACA)		8	8	100									
2.7.3.7. Status of Unliquidated Balances		8	8	100									
2.7.3.8. Reconciliation of Property Plant and Equipment		1	1	100									
2.8. Uploading/Posting of financial Accountability Reports to the website for Transparency Seal compliance	No. of reports posted	48	50	104									
2.9. Maintainance/preparation/posting of monthly ledgers and subsidiary ledgers of the following:	No. of ledgers maintained/prepared/posted	630	742	118									
2.9.1. General Ledger (Fund 101, 102, and 171)													
2.9.2. Subsidiary Ledger													
2.10. Monitoring of fund releases to LGUs, NGAs and Regions	No. of field visit report prepared	6	3	50									
2.11. Attendance to conferences/workshops/traninings/meetings, etc.	No. of conferences/workshops/trainings/meetings attended	5	1	20									

Department: **ENVIRONMENT AND NATURAL RESOURCES**
 Agency: **OFFICE OF THE SECRETARY (OSEC)**
 Operating Unit: **BIODIVERSITY MANAGEMENT BUREAU**
 Program/Project/Activity: **General Administration and Support**

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INICATOR	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	OBLIGATION (0)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)			
										%O/A	%D/O	%D/A	
2.12. Support to Accounting Unit Operations	Support services hired	6	8	133									
3. Procurement Management Unit													
3.1. Maintenance of stock cards for supplies and materials	updated stock cards	600	600	100									
3.2. Preparation of all documents needed for disposal of unserviceable properties and equipment	All documents prepared for review of the Disposal Team	1	1	100									
3.3. Updating of individual accountabilities	No. of updated individual accountabilities	160	1,850	1,156									
3.4. Preparation of Purchase Orders/Job Orders/Contracts (van rental, catering, etc.)	No. of Purchase Orders/ Job Orders/ Contracts approved	300	346	115									
3.5. Preparation of all documents necessary for payment of all procurement	No. of vouchers with all the necessary attachments to be released to Action Officer, Admin & Finance, Office of the Director	300	313	104									
3.6. Preparation of Monthly Report of Supplies and Material Issued (RSMI)	Report submitted every 25th day of the following month	12	12	100									
3.7. Preparation of Quarterly Procurement Update	Procurement Update uploaded in BMB website every end of the following month of the quarter	4	4	100									
3.8. Preparation of Report on the Physical Count of Inventories	Report submitted every 31st of July and 31st of January of the following year	2	2	100									
3.9. Implementation of Good Governance Conditions - Preparation of the Annual Procurement Program	2022 Annual Procurement Program for posting and submission to the DBM at the end of November 2021	1	1	100									
3.10. Preparation of the Annual Inventory of Buildings and Structures	Report submitted every 31st of January	1	2	200									
3.11. Preparation of the Annual Inventory of Equipment Report (both serviceable and non serviceable)	Report submitted every 31st of January	1	1	100									
3.12. Attendance to trainings/ seminars/ conferences released to Procurement	No of trainings/seminars/conferences attended	4	7	175									
3.13. Support to Procurement Unit Operations	Support services hired	4	5	125									
3.14. Meetings (BAC,TWG, Inventory/Disposable Committee)	No of meetings attended	4	42	1,050									
3.15. Preparation of documents for Publication in Newspaper for Public Bidding	No. of Invitation to Bid published as the need arises												

Department: **ENVIRONMENT AND NATURAL RESOURCES**
 Agency: **OFFICE OF THE SECRETARY (OSEC)**
 Operating Unit: **BIODIVERSITY MANAGEMENT BUREAU**
 Program/Project/Activity: **General Administration and Support**

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INICATOR	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT					
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	OBLIGATION (0)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
										%O/A	%D/O	%D/A
4. Cashier Unit												
4.1. Preparation of daily LDDAP-ADA and delivered to bank	Number of approved & signed LDDAP	643	696	108								
4.2. Preparation of daily Checks and delivered to bank	Number of approved & signed checks	220	204	93								
4.3. Weekly Report of LDDAP-ADA (under fund 101, 401 & 151)	4 Reports weekly per Fund (12 per Month)	52	43	83								
4.4. Weekly Report of RCI (under fund 101,401 and 151, TF, PA-RIA, TEEB, IAS & MDS-A/P)	32 Reports (4 Report per Fund)	57	37	65								
4.5. Daily recording/encoding in Bank Cash Book	Number of claims	2,749	2,495	91								
4.6. Preparation of payroll register for permanent & contractual and payroll for bonus,other benefits, airtime & monetization	Semi-monthly payroll prepared	69	95	138								
4.8. Issuance of daily official receipt	Number of ORs issued	725	845	117								
4.9. Preparation of daily list of collection and deposits	Daily deposit slip & LCD	1,190	1,091	92								
4.10. Daily Report of Collection and Deposit (CITES, GATE 1 & 2, NAPWC,TF,MISC.)	100 Reports per month (5 Reports per day per account number)	951	-	-								
4.11. Monthly Report of Accountability of Collection	12 Reports per account number	12	11	92								
4.12. Monthly Report of Accountability of Checks	12 Reports per account number	12	11	92								
4.13. Report of Issued Slip of accountable forms with money value (Tickets)	Issuance of tickets to 5 Gate Collectors	70	30	43								
4.14. Monthly Report of Supplies & Material Issued (RSMI)	RIS PER Gate Collectors	12	6	50								
4.15. Cash advance/Liquidation Report	P.R. Invoices/Ors, and other supporting documents	10	9	90								
4.16. Attendance to conferences/workshop/trainings/meetings	Number of trainings	4	22	550								
4.17. Support to Cashier Unit Operations	Support services hired	2	2	100								
5. Human Resources Development Unit												
5.1. Submission of SALN	100% SALN of personnel submitted to CSC within the prescribed period	1	1	100								
5.2. Preparation and submission of reports	Administrative reports submitted to CSC/GSIS/DENR Central Office on prescribed period	12	12	100								
5.3. Management of existing Personnel Data files	100% of personnel files maintained	286	286	100								
5.4. Preparation of Plantilla	Plantilla prepared (No.)	12	12	100								
5.5. Preparation of general payroll	Payrolls prepared (No.)	32	32	100								
5.6. Celebration of CSC Month	No. of activities undertaken	2	2	100								
5.7. Printing of BMB notebook/ID	No. of notebook/ID printed	300	300	100								
6. Administrative and Finance Staff												
6.1. Conduct of Special Events (BMB Day, DENR Day, BMB	Special events conducted (no.)	1	1	100								

Department: ENVIRONMENT AND NATURAL RESOURCES
 Agency: OFFICE OF THE SECRETARY (OSEC)
 Operating Unit: BIODIVERSITY MANAGEMENT BUREAU
 Program/Project/Activity: General Administration and Support

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INICATOR	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	OBLIGATION (0)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)			
										%O/A	%D/O	%D/A	
Christmas Party, Sports Fest)													
6.2. Conduct of Planning and Assessment	minutes/reports submitted	2	-	-									
6.3. Conduct of General assembly	minutes/reports submitted	1	1										
6.4. Annual Physical Exam	Physical Exam conducted	1	-	-									
6.5. Attendance to seminars/workshops/conference/meetings	no. of seminars/workshop/conference/ meetings attended				as the need arises								
6.6. Conduct of 18-day campaign to End VAW	support activities conducted	1	1	100									
6.7. Repair and maintenance of Office Equipment	Office equipment repaired and maintained	20	20	100									
6.8. BMB Library Maintenance	regular reports submitted	4	4	100									
	supplies and materials purchased	1	1	100									
6.9. Support to Admin and Finance Operations	Support services hired	4	6	150									
7. General Services Unit													
7.1. Repair and Maintenance of Motor Vehicles	Sixteen (16) Motor vehicles repaired & maintained	16	19	119									
7.2. Maintenance of Office Buildings	Seven (7) Office buildings maintained	7	10	143									
7.3. Maintenance of Air Conditioning System, Electrical and Water System	Three (3) lots maintained	3	2	67									
7.4. Preparation of Contracts with Gasoline Station	approved contract	1	-	-									
7.5. Preparation of Cost Estimates for Janitorial Services	No. of contract awarded	1	-	-									
7.6. Preparation of GSIS Insurances and LTO Registrations													
7.6.1. Buildings	no. of buildings insured	1	1	100									
7.6.2. Vehicles	no. of vehicles registered												
7.7. Preparation of payments for MERALCO, Water, PLDT, UBIX, JRS, Gasoline billing	no. of payment billings prepared	228	261	114									
7.8. Preparation of Trip Tickets	no. of trip tickets prepared	864	970	112									
7.9. Preparation of Withdrawal Slips of Gasoline	no. of withdrawal slips prepared	960	1,125	117									
7.10. Attendance to conferences/workshops/trainings	no. of trainings/workshops attended	4	-	-									
7.11. Pest Control Services	contract prepared/signed	1	-	-									
7.12. Support to Knowledge Management													
7.12.1. Procurement of Internet Connectivity	internet service procured	2	-	-									
7.12.2. Maintenance of Local Area Network (LAN)	Local Area Network maintained	1	-	-									
7.12. Support to General Service Operations	Support services hired	9	14	156									
8. Records Management & Documentation Unit													
8.1. Records Management													
8.1.1. Inventory of Record Holdings	Record Holdings and Inventory submitted	1	-	-									
8.1.2. Records Disposition Schedule	Records Disposition Schedule submitted	1	-	-									
8.1.3. Inventory of Records for Disposal	Inventory Report submitted	1	-	-									
8.1.4. E-Filing of Records	% of Records e-filed	100%	100%	100									
8.2. Capacity Building													

Department: ENVIRONMENT AND NATURAL RESOURCES
 Agency: OFFICE OF THE SECRETARY (OSEC)
 Operating Unit: BIODIVERSITY MANAGEMENT BUREAU
 Program/Project/Activity: General Administration and Support

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INICATOR	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT					
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
										%O/A	%D/O	%D/A
8.2.1. Attendance to Trainings/ Seminars/Workshops	Trainings/Seminars/Workshops attended	4	4	100								
8.2.2. Conduct of learning event regarding records management	No. of learning event conducted	1	1	100								
8.3. Provision of Services												
8.3.1. Receiving/Releasing of Documents	No. of documents received/released	200	17,430	8,715								
8.3.2. Messengerial Services	No. of messengerial services made to other agencies and stakeholders	1	-									
8.4. Support to Record Unit Operations	Support services hired	3	3	100								
9. Administration of Personnel Benefits												
9.1. Terminal Benefits of BMB Permanent Employees	No. of personnel	3										
10. Gender and Development												
10.1. Posting of GAD Activities and other related concerns in the GAD Corner and BMB Website	All relevant reports and GAD Activities posted in the GAD Corner	2	2	100								
10.2. Conduct of Activities during the Women's Month Celebration	100% of BMB men and women participated in the Women's Month Celebration	1	1	100								
10.3. Conduct of Assessment Workshop for FY 2021 and Planning Workshop for FY 2022	Assessment/Planning Workshops conducted	1	1	100								
10.4. Conduct of Programming of FY 2021 GPB	Programming of FY 2021 GPB conducted	1	1	100								
10.5. Conduct of Workshop on Gender Audit through GMEF	GMEF audit score leveled up from the 2020 score	1	1	100								
10.6. Support to GAD Operations	Support service hired	1										
10.7. Participation to and holding of activities for the 18-Day Campaign to End Violence Against Women	100% of BMB employees participated in the 18-Day Campaign to End Violence Against Women	1	1	100								

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: General Administration and Support

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATORS	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT					
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	OBLIGATION (0)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
										%O/A	%D/O	%D/A
HUMAN RESOURCES DEVELOPMENT						PS	605,000.00	605,000.00	605,000.00	100%	100%	100%
						RLIP	53,000.00	53,000.00	53,000.00	100%	100%	100%
1. Conduct of Learning and development for BMB personnel	minutes/reports submitted/certificates					MOOE	1,628,000.00	1,611,836.62	1,522,776.62	99%	94%	94%
1.1. Orientation on Office Protocol and Personnel Etiquette	issued	1	3	300		Total	2,286,000.00	2,269,836.62	2,180,776.62	99%	96%	95%
1.2. Leadership/supervisory training		1	1	100								
1.3. Integrated Management Program		1	2	200								
1.4. Gender and Development Training		1	2	200								
2. Implementation of Rewards and Recognition	no. of rewards/recognition implemented	moving target	2									
3. Recruitment, Selection and Placement	no. of recruitment/selection/placement processed	moving target	13									
4. Conduct of Committee Meetings/Workshops (i.e. Scholarship, SBP, PMT, PRAISE)	no. of committee meetings conducted	moving target	3									
5. Support to HR Operations	Support services hired	4	4	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

P/A/P	PERFORMANCE INDICATOR	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT					
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	OBLIGATION (0)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
										%O/JAA	%D/O	%D/JAA
DATA MANAGEMENT INCLUDING SYSTEMS DEVELOPMENT AND MAINTENANCE						PS	5,784,000.00	5,784,000.00	5,783,209.72	100%	100%	100%
						RLIP	545,000.00	501,563.04	501,563.04	92%	100%	92%
1. DATA MANAGEMENT						MOOE	800,000.00	763,558.04	733,880.00	95%	96%	92%
1.1. Information System Maintenance and Updating						CO	1,450,000.00	1,430,655.00		99%	0%	0%
1.1.1. PA Information System (PA Database)						Total	8,579,000.00	8,479,776.08	7,018,652.76	99%	83%	82%
1.1.1.1. Implementation of the PA Information System		PA Information System Server procured	1									
		PA Information System Domain Registered	1									
1.1.1.2. Attendance and conduct of meetings and workshops related to PA Database Implementation		meetings and workshops related to PA database conducted with report submitted	4	9	225							
1.1.2. Support in the Administration and Management of WildALERT CRM and WildBase Information System		Information System managed and monitored	1	1	100							
1.1.3. Information System												
1.1.3.1. Cave and Wetlands Database		Meetings/Consultations conducted	as needed	2								
		TOR prepared and Approved	1	1	100							
		Consultant/Developer hired/procured	1	1	100							
1.1.3.2. Species Database		Database maintained and updated	1	1	100							
1.1.3.3. BMB FAPs Database		Database developed and maintained	1	1	100							
1.1.3.4. BDFE Database		Database developed and maintained	1	1	100							
1.1.4. BMS-LAWIN Integration		Meetings conducted with report submitted	2	3	150							
		BMS-LAWIN integrated System Manual developed	dependent on the availability of the BMS Integrated on the LAWIN system (c/o FMB)									
1.2. Maintenance of IT Infrastructure												
1.2.1. Maintenance of Internet Connectivity		80% uptime of internet connection maintained	85%	99%	116							
		Net Monitor Reports submitted to DENR-KISS	12	11	92							
		internet service procured	2	2	100							
		antivirus license procured										
1.2.2. Maintenance of Local Area Network (LAN)		Local Area Network maintained	1	1	100							
		Network Management Software procured	1	1	100							
1.2.3. Maintenance of Internet Access Points		Internet Access Points managed and maintained	15	15	100							
1.2.4. Maintance of In-house CCTV system		CCTV System Data Backup maintained	1	1	100							
1.2.5. Repair and maintenance of BMB computers and other IT Equipment		computers and IT equipment maintained/ repaired	720	1432	199							
1.2.6. BMB Webmail account management and maintenance		BMB webmail account managed and maintained	100	100	100							
1.2.7. Maintenance of Servers		Servers maintained	4	4	100							
1.2.8. Maintenance of Network Access Storage		Network Access Storage maintained	4	4	100							
1.3. Procurement of computers/ IT equipment		computers and IT equipment procured	1		100							

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

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

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT					
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	OBLIGATION (0)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
										%O/A	%D/O	%D/A
PRODUCTION AND DISSEMINATION OF TECHNICAL AND POPULAR MATERIALS IN THE CONSERVATION AND DEVELOPMENT OF NATURAL RESOURCES AND ENVIROMENTAL EDUCATION						MOOE	4,193,000.00	3,799,076.29	2,089,069.29	91%	55%	50%
						Total	4,193,000.00	3,799,076.29	2,089,069.29	91%	55%	50%
1. Celebration of special events												
1.1. World Wetlands Day (February 2)	Activity conducted with report submitted	1	1	100								
1.2. International Day of Biological Diversity (May 22)	Activity conducted with report submitted	1	1	100								
1.3. World Wildlife Day (March 3)	Activity conducted with report submitted	1	1	100								
2. BMB CEPA Core Group Operations												
	No. of meetings conducted with report submitted	2	3	150								
	No. of Facebook Posts	24	140	583								
3. Production of other biodiversity-related materials (information and popular) e.g. Biodiveristy Sentinel (BMB Official newsletter), planner/calendar, etc												
	types of collaterals/knowledge products printed/produced/distributed	2	3	150								
4. BAMS Manual on Caves and Wetlands												
	No. of copies printed/produced	600			consultant engaged							
5. AVP (Batch 4) for protected areas												
	Meetings conducted/TA provided with report submitted	2	10	500								
	AVP for identified PAs produced	9	9	100								
6. Printing of PA Guidebook												
	No. of copies produced	2,500										
7. PA Talk												
	No. of episodes conducted	2	2	100								
8. Support to other CEPA/IEC Operations												
	Support provided		as needed									
10. BMB Library Maintenance												
	regular reports submitted	4	4	100								
	supplies and materials purchased											
11. Support to BMB Operations												
11.1. Librarian and Administrative Assistant for Library	Support service/staff hired	2	2	100								
11.2. Technical Assistant		1	1	100								

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

Program/Project/Activity: Legal Services including Operations Against Unlawful Titling of Public Land

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2021 PHYSICAL TARGETS				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT					
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
										%O/A	%D/O	%D/A
LEGAL SERVICES INCLUDING OPERATIONS AGAINST UNLAWFUL TITLING OF PUBLIC LAND						PS	1,144,000.00	1,144,000.00	1,141,000.00	100%	100%	100%
						RLIP	112,000.00	103,292.28	103,292.28	92%	100%	92%
1. Preparation of Reports/Investigation/evaluation of cases/ complaints related to PAs, wildlife, coastal and marine, caves, wetlands and other ecosystems	No. of reports prepared and evaluated	12	31			MOOE	295,000.00	229,613.00	224,013.00	78%	98%	76%
	No. of cases reviewed	10	21			Total	1,551,000.00	1,476,905.28	1,468,305.28	95%	99%	95%
	No. of clarificatory meetings or hearings with the parties conducted	10	10	100								
2. MOA/MOU/contracts reviewed and endorsed	No. of MOA/MOU/contracts reviewed/ signed and endorsed	230	751									
3. Attendance to hearings on PA bills, budget hearing, and other proposed bills	Hearings attended	12	15	125								
	Documents prepared	18	27	150								
3. Attendance and participation as spokesperson in training/ seminar/workshops/local travels/ocular inspection	Reports submitted	20	29	145								
3.1. Mandatory Continuing Legal Education	Report submitted	1	1	100								
3.2. Foreign commitments (International travels)	Report submitted	2			waiting for the advisories re: lifting of restrictions imposed on international travels due to the pandemic							

Department: ENVIRONMENT AND NATURAL RESOURCES

Agency: OFFICE OF THE SECRETARY (OSEC)

Operating Unit: BIODIVERSITY MANAGEMENT BUREAU

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

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT					
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
										%O/A	%D/O	%D/A
NATURAL RESOURCES MANAGEMENT ARRANGEMENT/AGREEMENT & PERMIT ISSUANCE						MOOE	1,400,000.00	1,029,517.23	989,271.03	74%	96%	71%
						Total	1,400,000.00	1,029,517.23	989,271.03	74%	96%	71%
I. NIPAS Management												
1. PACBRMA/CRMP	No. of PACBRMA application reviewed/endorsed	4	4	100								
	No. of reports related to PACBRMA reviewed/acted upon	10	6	60								
2. Special Use Agreements within PAs	No. of SAPA reviewed/acted	15	33	220								
II. Wildlife Trade Regulation												
1. Review of Risk Assessment of GM Crops	No. of biosafety applications reviewed	10	5	50								
2. Processing/Issuance of CITES permits	No. of permits issued	800	805	101								
3. Monitoring of wildlife farms propagating CITES-listed species for international trade/wildlife facilities holding important wildlife	No. of farms monitored	10	11	110								
	No. of monitoring reports submitted	4	4	100								
4. Updating of database on wildlife crimes, list of CWRs/WFP holders per region, production and trade reports of wildlife breeders	No. of regional monitoring reports evaluated	64	64	100								
	Database maintained & updated	3	3	100								
III. Wildlife Law Enforcement												
1. Mobilization of the Philippine Operations Group on Ivory and Illegal Wildlife Trade (POGI)												
1.1. Case-building (intelligence-gathering, investigation, surveillance) operations	Intelligence report submitted	20	422	2110								
1.2. Actual law enforcement operations and filing of criminal complaints/cases against suspected law violators	Enforcement report submitted	8	5	63								
	Quarterly enforcement reports prepared and submitted	4	4	100								
1.3. Attendance to hearing in courts and office of the prosecutor	Hearings attended with reports submitted	8	10	125								

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	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
											%O/AA	%D/O	%D/AA
FORMULATION AND MONITORING OF ENR SECTOR, POLICIES, PLANS, PROGRAMS AND PROJECTS						PS	47,902,000.00	47,902,000.00	47,901,519.57	46,759,786.74	100%	98%	98%
						RLIP	4,488,000.00	4,488,000.00	3,813,195.05	3,813,195.05	85%	100%	85%
						MOOE	9,961,000.00	9,161,000.00	8,297,657.97	6,218,006.53	91%	75%	68%
						Total	62,351,000.00	61,551,000.00	60,012,372.59	56,790,988.32	98%	95%	92%
1. Policy Formulation													
1.1. Caves, Wetlands and Other Ecosystems													
1.1.1. Annual List of Classified Caves	Draft DMC endorsed to DENR-PTWG	1	1	100									
	Meetings conducted		1	100									
1.1.2. Guidelines on the Management of Caves	Draft DAO endorsed to DENR-PTWG	1	1	100									
	Meetings conducted	2	2	100									
1.1.3. Guidelines on the designation and recognition of Wetlands of National Importance	Draft DAO endorsed to DENR-PTWG	1	1	100									
	Meetings conducted												
1.1.4. Guidelines on the Management of Inland Wetlands	Draft DAO endorsed to DENR-PTWG	1			endorsed to BMB TRC on 22 December 2021								
	Meetings conducted	1	1	100									
1.1.5. Policy Recommendations on Integrating Biodiversity in Infrastructure Sector	Draft DAO endorsed to BMB-TRC	1	1	100									
	Meetings conducted	1	1	100									
1.1.6. Enhancing Biodiversity Conservation and Protection in Mining Operations	Draft DAO endorsed to DENR-PTWG	1	1	100									
	Meetings conducted	1	1	100									
1.1.7. Review of the Implementing Rules and Regulations of RA 9072 (Cave Act)	Draft DAO prepared	1	1	100									
	Assisting professional engaged	1	1	100									
1.1.8. Guidelines in the implementation of Urban Biodiversity Program	Draft DAO submitted to BMB-TRC	1	1	100									
	Meetings conducted	1	1	100									
1.1.9. Lobbying for the Wetland/Peatland Bills	No. of progress reports submitted	4	5	125									
1.1.10. Updating of National Action Plan on Peatlands	No. of progress reports submitted	1	1	100									
1.2. Protected Area Management													
1.2.1. Guidelines on the allocation criteria for 25% and menu of activities to be funded from the IPAF	Draft TB prepared and endorsed to BMB-TRC	1	1	100									
1.2.2. Guidelines prescribing the template of Memorandum of Agreements in PAs	Draft TB prepared and endorsed to BMB-TRC	1	1	100									
1.2.3. Guidelines in the preparation of State of PA Report	Draft TB prepared and endorsed to BMB-TRC	1	1	100									
1.2.4. Guidelines in the Issuance of Titles in A&D Lands within Protected Areas	Draft TB prepared and endorsed to BMB-TRC	1	1	100									
1.2.5. Guidelines to define large scale agriculture and aquaculture projects	Draft guidelines prepared and endorsed to BMB-TRC	1	1	100									

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	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
											%O/AA	%D/O	%D/AA
1.2.6. Guidelines, methods, and framework for the harmonization of the PAMP with the LGU development and other plans. (Rule 22.7; In coordination with the HLURB, and other relevant government agencies and instrumentalities)	Draft TB prepared and endorsed to BMB-TRC	1				To be incorporated in the Draft DENR-DHSUD JAO on Mainstreaming BD in CLUP							
1.3. Wildlife Conservation and Management													
1.3.1. Procedural guidelines on the establishment of zoological and botanical garden	Draft DAO endorsed to DENR PTWG no. of consultations/meetings conducted	1 2	2	100									
1.3.2. Amendment of DAO 99-45 (crocodile farming)	Draft DAO endorsed to NRDC no. of consultations/meetings conducted	1 2	1 2	100 100									
1.3.3. List of threatened species for commercial breeding and propagation	DAO drafted no. of consultations/meetings conducted	1 2	1 2	100 100									
1.3.4. List of Other Wildlife Species (OWS)	DAO drafted no. of consultations/meetings conducted	1 2	1 2	100 100									
1.3.5. Updating of National List of Threatened Plants of the Philippines (DAO 2017-11)	DAO drafted no. of consultations/meetings conducted	1 3	3	100									
1.3.6. Procedures on the disposition of confiscated plants	DAO drafted no. of consultations/meetings conducted	1 2	1 3	100 150									
1.3.7. Revised Joint Administrative Order re Implementing Rules and Regulations of RA 9147	Final JAO endorsed to DENR CO	1	1	100									
1.4. Other Biodiveristy-related policies													
1.4.1. Technical Bulletin on the Adoption of the PBSAP Manual (Localization, Financing, Monitoring Tool)	Draft TB approved by the BMB Director Meetings conducted	1 2	1 2	100 100									
1.4.2. Manual on Adoption of Protected Area Information System	Manual drafted Meetings conducted	1 2	2	100	With draft adopting policy; finalization of the manual moved to next year								
2. Programs/Plan/Project Review, Development and Implementation													
2.1. Review of guidelines, policies, regulations, resolutions, bills, MOA etc. related to Protected Areas	no of guidelines, policies/regulations/ Resolutions/ MOA reviewed	45	71	158									
2.2. Review of PA Bills/Congressional Resolutions	no. of PA Bills reviewed no. of meetings/hearings attended	30 10	154 27	513 270									
2.3. Review of proposals regarding Protected Areas	no. of proposals reviewed	30	59	197									
2.4. Assistance in the implementation of relevant Programs and Projects on Proptected Areas i.e. PA Academy, Harmonization of National Parks and Production & Protection Forests, Integration on Geospatial Technologies in ENR Panning, AHPs, BCAMP, etc.	No. of reports reviewed no. of meetings/activities attended No. of YOPA TWG Meeting conducted	80 52 2	568 156 3	710 300 150									
2.5. Review of guidelines, policies, resolutions, bills, MOA, proposals regarding caves, wetlands, urban biodiversity	No. of guidelines, policies/ regulations/ Bills/Resolutions/ MOA reviewed	35	42	120									

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	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT							
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)			
											%O/AA	%D/O	%D/AA	
2.6. Review of draft policies related to wildlife conservation	Position papers/comments prepared	12	13	108										
2.7. Review of research/project proposals submitted by various entities/institutions	Proposals reviewed/evaluated	12	22	183										
2.8. Drafting of conservation and management plans for threatened species (Hornbill and Flying Fox)	Meetings/workshops conducted	3	3	100										
	Species Conservation and Management Plans drafted	2	2	100										
2.8. Updating of the Framework for the Philippine Plant Conservation Strategy and Action Plan	Meetings/workshops conducted	3	3	100										
	Framework drafted	1												
2.9. BAMS manual on caves and wetlands	Services of editor and/or lay-out artist engaged	2	2	100										
	Draft prepared	2												
2.10. 2022 BMB Work and Financial Plan	2022 BMB Work and Financial Plan prepared and submitted to DENR-CO	1	1	100										
2.11. 2022-2021 Forward Estimate on the Biodiversity Sector	2022-2023 Forward Estimated prepared and submitted to DENR-CO	1	1	100										
2.12. Preparation and submission of OPCR commitments and accomplishments	OPCR commitment prepared and submitted to DENR-CO	1	1	100										
	OPCR accomplishments prepared and submitted to DENR-CO	2	2	100										
3. Monitoring of Plans/Programs/Projects on Biodiversity Conservation														
3.1. Review and consolidation of BMB accomplishment reports														
3.1.1. Monthly accomplishment reports	Monthly reports submitted to DENR-CO	12	12	100										
3.1.2. Quarterly accomplishment reports	Quarterly reports submitted to DENR-CO	4	4	100										
3.1.3. Annual accomplishment report	2020 Annual Report submitted to DENR-CO	1	1	100										
3.2. Desk/Field Validation of Programs and Projects on Biodiversity Conservation	Regions validated with report submitted to OD	4	4	100										
	Meetings conducted	2	3	150										
4. Implementation/Coordination of Foreign-Assisted Projects														
4.1. Implementation of Biodiversity Corridor Project	Meetings/Workshops attended/conducted	12	65	542										
	Documents reviewed/acted upon	as needed	25											
	Hiring of PMU staff/consultants	as needed	7											
4.2. ADB -GEF Project "International Wildlife Trade: Combatting Environmental Organized Crime in the Philippines"	No. of meetings organized	4	18	450										
	Approved minutes of meeting	4	14	350										
	No. of Project reports submitted	4	8	200										
4.3. Access and Benefit Sharing (ABS) Project	No. of meetings organized	2	4	200										
	Approved minutes of meeting	2	4	200										
4.4. Attendance to BMB-FAPS and DENR-FASPS - related meetings, workshops, etc.	No. of meetings, workshops attended	as needed	95											

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	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT							
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)			
											%O/AA	%D/O	%D/AA	
5. Capability Building														
5.1. On-site Simulation of EIA process using the EIA checklists	Workshop conducted with report submitted	1	1	100										
5.2. Quality Management System (QMS) 102	Workshop conducted with report submitted	1	1	100										
5.3. Orientation on BMB FAPS	Workshop conducted with report submitted	1	1	100										
5.4. Training on Wildlife Handling and Restraint	Training conducted	1			postponed due to COVID Restrictions									
	Report submitted	1												
5.5. Refresher Training on Wildlife Care Management	Training conducted	1			postponed due to COVID Restrictions									
	Report submitted	1												
5.6. Wildlife Conservation and Regulation Seminar	Online seminar conducted	1	1	100										
	Report submitted	1	1	100										
6. Conduct of Regular Conference/Meetings/Workshops														
6.1. BPKMD Planning / Annual assessment Workshops	Meetings/workshops/ad referendum conducted	4	5	125										
6.2. Senior Staff Meetings/FDU Meetings	with report submitted to OD	8	8	100										
6.3. Technical Review Committee Meetings		8	9	113										
6.4. BMB Strategic Planning Workshops		1	1	100										
6.5. BMB/National Mid-Year Program Assessment		2	2	100										
7. Participation/Attendance to Other Committees/Fora														
7.1. PTWG	Meetings/for a attended	4	15	375										
7.2. TWG on the ENR Codification		as needed												
7.3. National Convergence Initiative (Components: Knowledge Management, Policy Advocacy and Capacity Building)		4	13	325										
7.4. DENR Budget Hearings		2	5	250										
7.5. DBM/Senate/Congress Budget Hearings		4	8	200										
7.6. DENR Planning, Reprogramming & Assessment Workshops		3	8	267										
7.7. Others (BAC, GAD, UNDP, PDP, PSB, DRR-EBA, SPMS, QMS, IAS, etc)		as needed	179											
7.8. Partner-related Meetings		as needed												
8. Technical assistance (TA)														
8.1. Presenters/Resource Persons	No. of meetings/activities participated	20	32	160										
8.2. Participation in Inter-agency/BMB Committees	No. of meetings/activities participated	4	56	1400										
8.3. Assistance to Researchers	No. of researchers assisted	20	56	280										
8.4. Provide technical assistance to other BMB Divisions, ROs, LGUs, OGAs, GOs and other stakeholders on:	Meetings/activities conducted/ participated/ TA provided with reports submitted													
8.4.1. Caves		4	8	200										
8.4.2. Wetlands		4	13	325										
8.4.3. Urban Biodiversity		4	3	75										
8.5. National Cave Committee (NCC) Operations	No. of meetings.activities conducted with report submitted	4	3	75										
8.6. National Wetlands Committee/Inland Wetland Technical Working Group operations	No. of meetings/consultations with reports submitted	2	3	150										

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	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT								
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)				
											%O/AA	%D/O	%D/AA		
8.7. Provision of technical assistance and support to the implementation of BMB-FAPS, spatial planning, program planning and assessment, localization of PBSAP, EIA Review Committee, QMS, etc.	Technical Assistance and support provided	as needed	24												
9. Support to International Commitments (ASEAN Working Groups, CBD, ACB, GEF, etc)	No. of local/international meetings attended with reports submitted	6	22	367											
	Documents/reports reviewed/acted upon	20	22	110											
9.1. Convention on Migratory Species (CMS)															
9.1.1. Preparation of National Action Plan for Sea Birds	Workshop conducted	1	1	100											
	Action plan drafted and endorsed to TRC	1	1	100											
9.1.2. Attendance to TIHPA	Meetings/Workshop attended	1			postponed due to restrictions imposed on international travels due to the pandemic										
9.2. Convention on Biological Diversity and its Protocol															
9.2.1. Participation to the following meetings:															
9.2.1.1. SBSTTA24	Philippine positions developed	1	4	400											
9.2.1.2. Subsidiary Body on Implementation	Meetings attended with report	1	2	200											
9.2.1.3. COP15 and MOP4	Meetings attended with report	1	1	100											
9.3. World Intellectual Property Office (WIPO) Intergovernmental Committee on Intellectual Property and Genetic Resources, Traditional Knowledge and Folklore					postponed due to restrictions imposed on international travels due to the pandemic										
9.3.1. Development of Philippine position relative to a text-based negotiation with the objective of reaching agreement on a text/s of an international legal instrument, which will ensure the effective protection of genetic resources, traditional knowledge and traditional cultural expressions	TWG meeting attended with report	3													
9.3.2. Participation to the IGC in 2021	Meeting attended with report	2													
10. Support to Knowledge Management															
10.1. Maintenance and enhancement of Website including data population															
10.1.1. Maintenance, updating and enhancement of BMB and CHM Websites	websites maintained/ updated/enhanced	2	2	100											
10.1.2. Conduct of meetings related to maintenance and enhancement of website	meetings conducted with reports submitted	4	4	100											
10.1.3. Attendance to DICT website enhancement trainings	trainings attended	as needed													
10.2. Information System Maintenance and Updating															
10.2.1. PA Information System (PA Database)															
10.2.1.1. Conduct of additional Pilot Testing and User Acceptance Testing (UAT)	Additional PA Database Pilot Testing conducted with report submitted to OD	2	4	200											
	Writeshop for the preparation of Policy for the adoption and Manual of the PA Information System conducted	1				moved next year									

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	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
											%O/AA	%D/O	%D/AA
10.3. Maintenance of IT Infrastructure	Antivirus License procured	1	1	100									
10.4. Software Subscriptions													
10.4.1. Adobe Creative Cloud (2 users)	software subscribed	2	2	100									
10.4.2. Canva (6 users)		6	6	100									
11. Support Services													
11.3. Support to BMB Operations	Support service/staff hired												
11.3.1. Project Support Officer		2	2	100									
11.3.2. Driver		1	1	100									
11.3.3. Database Management Officer		1	1	100									

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
											%O/AA	%D/O	%D/AA
PROTECTED AREA DEVELOPMENT AND MANAGEMENT						PS	11,088,000.00	11,088,000.00	11,088,000.00	11,087,347.45	100%	100%	100%
						RLIP	948,000.00	948,000.00	948,000.00	948,000.00	100%	100%	100%
1. Protected Area Development and Management						MOOE	28,623,000.00	25,610,760.00	25,516,920.77	22,568,445.13	100%	88%	88%
1.1. Implementation of NIPAS Act, as amended						CO	3,300,000.00	3,300,000.00	3,112,781.18	2,133,601.58	94%	69%	65%
1.1.1. NIPAS Establishment	No. of relevant documents for PA establishment/ reviewed	40	49	123		Total	43,959,000.00	40,946,760.00	40,665,701.95	36,737,394.16	99%	90%	90%
	No. of National NIPAS Review Committee meetings conducted	1	5	500	Dependent on the submission of Regional Offices								
1.1.2. NIPAS Management													
1.1.2.1. PAMB Organization	No. of PAMB appointments reviewed/ endorsed to the Secretary	14	207	1479	Dependent on the submission of Regional Offices								
1.1.2.2. PAMB Operationalization	No. of Resolutions reviewed	270	2264	839	Dependent on the submission of Regional Offices								
	No. of Minutes of Meeting reviewed	270	1029	381	Dependent on the submission of Regional Offices								
1.1.2.3. IPAF Establishment/ Operation	No. of SBR reviewed and/or endorsed	6	30	500	Dependent on the submission of Regional Offices								
	No. of collection and utilization reports reviewed	82	186	227	Dependent on the submission of Regional Offices								
1.1.2.4. PA Management Plans Preparation/Updating	No. of PAMPs reviewed	19	30	158	Dependent on the submission of Regional Offices								
1.1.2.5. SRPAO	No. of SRPAO reports reviewed	25	25	100									
1.1.2.6. Biodiversity Monitoring System	No. of BMS reports reviewed/ acted	123	291	237	Dependent on the submission of Regional Offices								
1.1.2.7. Biodiveristy Assessment and Monitoring System	No. of BAMS reports reviewed/acted	8	9	113									
1.1.2.8. Communication, Education and Public Awareness	No. of CEPA Communication Plan/ reports reviewed	30	78	260	Dependent on the submission of Regional Offices								
1.1.2.9. Other PA Management Activities	No. of other PA management-related reports reviewed	192	414	216	Dependent on the submission of Regional Offices								
1.1.3. Ecotourism Management	No. of reports on ecotourism management reviewed	48	196	408	Dependent on the submission of Regional Offices								
1.1.3.1. Attendance/organization of ETWG/NESC meetings	No. of ETWG/NESC meetings attended/organized	3	5	167	Dependent on the submission of Regional Offices								
1.2. PAMO Establishment	No. of meetings/workshop conducted and/or attended	8	8	100									
1.4. Support to the documentation and mapping of cultural background of AHPs	No. of consultant engaged	1	1	100									
	No. of meetings attended	2	2	100									
1.5. Capacity Building													
1.5.1. Attendance to meetings/trainings/workshops/seminars	No. of meetings attended	50	159	318									
	No. of trainings/workshops/seminar/ fora/symposia attended	80	105	131									
1.5.2. In-house Workshop/Writeshop on proposals (Activity Design, TOR, PR) for various activities	No. of In-house workshop/writeshop conducted	1	1	100									
1.5.3. NPD Assessment and Planning Workshop	No. of assessment workshop orgnaized/conducted	2	2	100									
1.5.4. Workshop on Ecotourism Program Assessment	No. of workshop conducted	1	1	100									

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
											%O/AA	%D/O	%D/AA
1.5.5. Consultation Hour on PA Policies and Guidelines	No. of Regions covered	16	16	100									
1.5.6. Online PA Webinar Series	No. of learning event conducted	3	3	100									
1.6. CEPA													
1.6.1. Printing of ENIPAS Act IRR	No. of copies produced	7500			Awarded to the Qualified Bidder, for printing								
1.6.2. Printing of Aruga	No. of copies produced	1000			Awarded to the Qualified Bidder, for printing								
1.7. Support to PA Management	No. of PAs provided support	4	4	100									
2. Cave Management and Conservation													
2.1. Evaluation of cave reports (assessment, committee, etc)	No. of cave of reports evaluated	70	131	187									
2.2. Review of cave management plans	No. of management plans reviewed	20	15	75									
2.3. Field validation of priority caves	No. of caves validated with reports submitted	6	5	83									
2.5. International Year of Caves and Karst	Activity conducted with report submitted	1	1	100									
2.6. Capacity Building													
2.6.1. LE on the Assessment of different Cave Values	Activity conducted with report submitted	1	1	100									
3. Wetlands Conservation and Management													
3.1. Evaluation of wetland reports	No. of wetland of reports evaluated	25	28	112									
3.2. Review of wetland management plans	No. of management plans reviewed	9	11	122									
3.3. Field validation of priority wetlands	No. of wetlands validated with reports submitted	4	7	175									
3.5. Ramsar National Report	Final report submitted	1	1	100									
	No. of meetings/workshops conducted with report submitted	1	2	200									
4. Urban Biodiversity Conservation and Management Program													
4.1. Partnership establishment on urban biodiversity	Progress reports/draft MOA submitted	1	1	100									
4.2. Monitoring of urban biodiversity activities in priority cities/green spaces	No. of assistance provided with report submitted	2	10	500									
4.3. Pilot-testing of Urban Forest Bathing	Activity conducted with report submitted	1	1	100									
4.4. Capacity Building													
4.4.1. LE on urban biodiversity assessment	Activity conducted with report submitted	1	1	100									
5. Management and Administration of the Ninoy Aquino Parks and Wildlife Center (NAPWC)													
5.1. General Park Maintenance and Beautification													
5.1.1. Services of Park Grounds and Office Staff	No. of support services/staff hired												
5.1.1.1. Park Gournds Maintenance		15	15	100									
5.1.1.2. Park Information Office Assistant/Gate Collector		3	3	100									
5.1.1.3. Driver/Messenger		1	1	100									
5.2. Construction/Establishment of Bridge/s connecting BMB Buildings		1	1	100									
6. Support to Knowledge Management for PA Management													
6.1. PA Information System (PA Database)													
6.1.1. Conduct of additional Pilot Testing and User Acceptance Testing (UAT)	PA Information System UAT conducted with report submitted to OD	2	2	100									
6.1.2. Implementation of the PA Information System	No. of PA Database Roll-outs conducted	5											
	PA Information System SSL Certificate pro	1											
	Subscription to Google Data Studio procure	1	1	100									

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	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
											%O/AA	%D/O	%D/AA
6.2. BMS-LAWIN Integration	Meetings conducted with reports submitted	2	4	200									
	BMS-LAWIN Integrated System Manual developed												
6.3. Maintenance of Internet Connectivity	firewall license procured	1	1	100									
7. Support to BMB Operations													
7.1. Information Technology Specialist	Support service/staff hired	1	1	100									
7.2. Information Technology Assistant	Support service/staff hired	1	1	100									
7.3. Data Encoder	Support service/staff hired	1	1	100									
7.4. Data Encoder	Support service/staff hired												

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2021 PHYSICAL TARGETS				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
											%O/AA	%D/O	%D/AA
PROTECTION AND CONSERVATION OF WILDLIFE						MOOE	10,000,000.00	8,270,800.00	8,221,738.94	7,014,825.84	99%	85%	85%
						CO	1,000,000.00	1,000,000.00	959,235.00	766,235.00	96%	80%	77%
						Total	11,000,000.00	9,270,800.00	9,180,973.94	7,781,060.84	99%	85%	84%
I. Conservation of Threatened Species													
1. In-situ Conservation													
1.1. Monitoring of conservation activities/programs for priority threatened species: Philippine eagle, Tamaraw, Crocodile, Phil. Cockatoo, Flying foxes, Walden's Hornbill, Cebu Flowerpecker, Dinagat-tailed cloud rat, Negros fruit dove, Negros bleeding-heart pigeon, Mindoro bleeding-heart pigeon, Tarsier, Sulu hornbill, Marine turtles, Dugong	Regional reports evaluated Field monitoring reports submitted Status report on population/sightings/distribution of threatened species	64 3 1	427 3 1	667 100 100									
1.2. Updating of information/data on the status of wildlife species and their conservation	Wildlife species database/data holdings updated and uploaded at the BMB website	1	1	100									
1.3. Preparation of a compendium on special monitoring techniques for priority threatened species	Workshop organized Compendium of wildlife monitoring techniques drafted	1 1	1 1	100 100									
1.4. Mobilization of Wildlife Committees (PPCC, PRLC, NWMC, NCCC, PEWG)	Minutes of meeting submitted	8	7	88									
1.5. Asian Waterbird Census (AWC)	Meeting/workshops conducted Regional bird count report reviewed National AWC report submitted to Regional Coordinator	1 16 1	3 16 1	300 100 100									
1.6. Establishment and Management of Critical Habitats													
1.6.1. Review/evaluation of the submitted proposed establishment of CH	Draft proposal reviewed DAO drafted on CH	4 2	10 3	250 150									
1.6.2. Monitoring of CHMP implementation	Field monitoring report submitted	3	4	133									
1.6.2.1. <i>Rafflesia schadenbergiana</i> CH													
1.6.2.2. Cabusao Wetland CH													
1.6.2.3. Malasi Tree Park and Wildlife Sanctuary													
1.6.2.4. Carmen CH													
1.6.2.5. Magsaysay critical Habitat													
1.6.2.6. Adams Wildlife CH													
1.7. Support to the regional implementation of activities related to the conservation and protection of wildlife	Support provided	1	1	100									
2. Ex-situ Conservation													
2.1. National Wildlife Rescue and Research Center (NWRRC)													
2.1.1. Veterinary care and maintenance of confiscated, donated and rescued wild animals	No. of animals maintained	1100	1009	92									
2.1.2. Management of rehabilitated animals in pursuit of DAO 97-17													

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

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2021 PHYSICAL TARGETS				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
											%O/AA	%D/O	%D/AA
2.1.2.1. Organization of the BMB Wildlife Disposition Committee	No. of meetings organized	2	1	50									
	No. of meeting minutes prepared	2											
2.1.2.2. Disposition of rehabilitated animals													
2.1.2.2.1. Release of rehabilitated animals to their natural habitat and post release monitoring	No. of animals released	100	129	129									
	No. of reports submitted	5	14	280									
2.1.3. Turn-over of animals to accredited wildlife facilities through loan or donation	Loan/donation instrument approved	as necessary base	51										
	No. of animals disposed through loan/donation												
2.1.4. Rehabilitation/Repair of WRC Structures/Cages	No. of structures rehab/repared	10	10	100									
2.1.5. Maintenance of Hospital/Laboratory Equipment	No. of equipment maintained	1	1	100									
	No. of supplies/materials/equipment procured	1	1	100									
2.1.6. Diagnostics of microscopic/viral/DNA tests	No. of diagnostic reports submitted	moving target											
2.1.7. Monitoring of DENR-accredited wildlife facilities holding wildlife from WRC either thru loan or donation	No. of monitoring reports submitted	4	6	150									
2.2. Monitoring of Regional and designated WRCs	Field monitoring reports submitted	3	1	33									
	monitoring reports from the Regions reviewed		219										
2.3. Operation and Management of WildBASE System													
2.3.1. Renewal of Domain/Sub-Domain	Domain/sub-domain renewed	1											
2.3.2. Renewal of Cloud Hosting	Cloud hosting renewed	1											
3. Support to operation of the Palawan Wildlife Rescue and Rehabilitation Center	No. of <i>C. porosus</i> maintained	698			Downloaded 1 million to Region 4B								
	No. of <i>C. mindorensis</i> maintained	464											
4. Zoonotic/Wildlife Diseases Surveillance													
4.1. Conduct of wildlife/zoonotic disease surveillance	no. of field sampling conducted	2	2	100									
	report submitted	2	2	100									
4.2. Mobilization of the Zoonosis Committee	Minutes of meeting prepared	2	2	100									
5. Communication, Education and Public Awareness for Wildlife Conservation													
5.1. World Migratory Bird Day (October - 2nd Saturday)	Activity conducted with report submitted	1	1	100									
5.2. Philippine eagle week (June 4-10)	Activity conducted with report submitted	1	1	100									
5.3. Tamaraw Month (October)	Activity conducted with report submitted	1	1	100									
5.4. Development/Production and Distribution of IEC Materials													
5.4.1. Development of articles for publication through appropriate media platforms	No. of articles developed	5	9	180									
5.4.2. Production of the following CEPA materials for the promotion of Philippine wildlife conservation:													
5.4.2.1. IEC materials (plushies, notebook, messenger bag, throw pillow case, collapsible water canister, bandana)	No. of IEC materials produced	1,000	1000	100									
5.4.2.2. Poster on threatened flora and fauna	No. of copies produced	2,000	5000	250									

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

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2021 PHYSICAL TARGETS				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
											%O/AA	%D/O	%D/AA
5.4.2.3. Conservation action plans	No. of copies produced	400	400	100									
5.4.2.4. WLE Manual of Operations	No. of copies produced	500	500	100									
6. Compliance with Regional and International Commitments/Agreements/Partnerships													
6.1. Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)													
6.1.1. Annual inventory of government stockpile of ivory													
	Inventory mobilized and conducted	1	1	100									
	Inventory report submitted to CITES	1											
6.1.2. Submission of CITES-related Reports													
6.1.2.1. Annual Trade Report													
		1	1	100									
6.1.2.2. Annual Illegal Trade Report													
		1	1	100									
6.1.2.3. Implementation Report													
		1	1	100									
6.2. Attendance to Meetings related to wildlife law enforcement and trade in compliance with Regional & International Commitments													
	Meetings attended with report submitted	3	3	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	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
											%O/AA	%D/O	%D/AA
MANAGEMENT OF COASTAL AND MARINE RESOURCES						MOOE	85,152,000.00	66,876,259.91	61,131,904.44	39,083,228.92	91%	64%	58%
						Total	85,152,000.00	66,876,259.91	61,131,904.44	39,083,228.92	91%	64%	58%
1. Policy Formulation													
1.1. Development of Draft Policies on CMEMP													
1.1.1. Draft TB on the Guidelines on Decision Guide on the Maintenance and Protection Activities in NIPAS MPA	Draft TB endorsed to BMB-TRC	1	1	100									
1.1.2. Draft TB on Guidelines on SAPA Mariculture Application and Other Investment on Fisheries	Draft TB endorsed to BMB-TRC	1	1	100									
1.1.3. Draft TB on Guidelines on Mainstreaming ICM and other related MPA Plans to CLUPs	Draft TB endorsed to BMB-TRC	1	1	100									
1.1.4. Draft TB on Guidelines on Social Marketing Framework	Draft TB endorsed to BMB-TRC	1	1	100									
1.1.5. Draft Memorandum Order on the General Guidelines for CMEMP Implementation for 2021	Draft Memorandum Order endorsed to TRC	1	1	100									
1.1.6. Revision of previously submitted policies on-going TRC, PTWG and other agencies review (i.e., Greenfins, MPAN JMC, etc.)	No. of policies revised	3	3	100									
1.2. Review of policies, guidelines, bills etc. related to coastal and marine biodiversity referred to the Office	No. of policies/guidelines/bills reviewed and acted upon	8	59	738									
2. Coastal and Marine Direct Implementation on CMEMP													
2.1. MPA/MPAN Establishment, Strengthening & Operationalized													
2.1.1. Habitat Assessment for Legislated and Proclaimed PAs													
2.1.1.1. Coordination activities with the partner agencies and field implementers in the implementation of habitat assessment	Activity conducted with report submitted	4	5	125									
2.1.2. West Philippine Sea (WPS)													
2.1.2.1. Conduct of workshop and coordination activities on the implementation of priority activities	Activity conducted with report submitted	4	8	200									
2.1.2.2. Conduct of Expedition for WPS	Expedition conducted with report submitted	1	1	100									
2.1.2.3. Attendance to meetings, workshops, trainings and TWG meetings organized by other agencies	No. of report submitted	4	29	725									
2.1.2.4. Support to WPS valuation studies (Facilitation of meetings)	No. of activity reports submitted	7	7	100									
2.1.3. Philippine Rise (PH RISE)													
2.1.3.1. Conduct of PAMB, TWG Meetings/Workshops, Coordination activities and Implementation of priority activities specified in the PRMRR Management Plan	Activity conducted with report submitted	4	8	200									

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	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT							
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)			
											%O/AA	%D/O	%D/AA	
2.1.3.2. Conduct of Expedition for PH Rise	Expedition conducted with report submitted	1			to be conducted on 2022									
2.1.3.3. Attendance to meetings, management planning, consultation workshops, trainings and TWG meetings organized by other agencies	No. of report submitted	3	5	167										
2.1.4. MPA Networking														
2.1.4.1. Support to Verde Island Passage Marine Protected Area Network and Law Enforcement Network and other direct interventions / direct investments	Activity conducted with report submitted	2	7	350										
2.1.4.2. Conduct/Attendance to Meetings/Workshops/Consultations	Activity conducted with report submitted	4	7	175										
2.1.5. MPA Demarcation														
2.1.5.1. Coordination activities on demarcation of legislated NIPAS MPAs (with partner agencies and field implementers)	Activity conducted with report submitted	4	4	100										
2.1.6. Support to PAMB and PAMO Operationalization														
2.1.6.1. Attendance to PAMB Meetings	Meetings attended with report submitted	4	10	250										
2.1.6.2. Review of PA-related documents/reports on PASA, SAPA, PAMB Resolutions, PAMP, EIA, (attendance to EIARC) BMS and other reports related to MPAN Component of CMEMP	No. of documents reviewed and acted upon	12	19	158										
2.2. Biodiversity-Friendly Enterprise														
2.2.1. Conduct/Attendance to meetings related to BDFE	Meetings attended with report submitted	4	18	450										
2.2.2. BDS Appraisal Orientation: Webinars for the Regions	Activity conducted with report submitted	1	1	100										
2.2.3. Financial Assistance for BDFEs (SAA to ROs) with proposals coming from women led POs/ majority of its members are women, senior and PWD or benefiting women and youth	BDFE FA provided thru DENR Field Offices	10	6	60										
2.2.4. Business Development Services (BDS) Learning Event	LE conducted with report submitted	1	1	100										
2.3. Capacity Building														
2.3.1. Conduct/attendance to preparatory meetings related to CapB: National pool of mentors meeting, translation of NIMCAP modules to virtual implementation, review of existing training modules/ fieldguide: Care Cadres, Carrying of ERDB etc	Meetings attended with report submitted	4	8	200										
2.3.2. Development of the Capacity Building Plan/Roadmap for CMEMP Implementation	Activity conducted with report submitted	3	3	100										
2.3.2.1. Development of CapB Plan/Roadmap for CMEMP Implementation														
2.3.2.2. Cascading of the competency assessment tool to the regional and field staff														
2.3.2.3. Conduct of consultation workshops etc.														

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	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT							
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)			
											%O/AA	%D/O	%D/AA	
2.3.3. Conduct of CapB activities for CMD and relevant stakeholders:	CapB conducted with report submitted	6	6	100										
2.3.3.1. LE on How to review PA and CMEMP documents														
2.3.3.2. Diving training:OW, Advance OW and Rescue Diving Training, Cave Diving Training														
2.3.3.3. Refresher /training on habitat assessment (Corals,associated fishes, Mangroves and Seagrass)														
2.3.3.4. WQ monitoring orientation with the regional and field offices (in coordination with EMB)														
2.3.3.5. LE on Citizen Science Approach Monitoring of coastal and marine environments														
2.3.4. Support to PM TMEM Scholarship grant to selected DENR staff	No. of DENR Scholars enrolled	6	6	100										
2.3.5. Conduct of CapB activities for PA management and wildlife conservation														
2.3.5.1. PA Boundary Demarcation Assessment Workshop	No. of workshop conducted	1	1	100										
2.3.5.2. Workshop on Ecotourism Program Assessment	No. of workshop conducted	1	1	100										
2.3.5.3. Operation of PA Academy	No. of Learning Modules prepared	2	2	200										
	No. of learning events conducted	4												
2.3.5.2.1. Ecosystem Services Valuation	No. of trainings conducted/organized	1												
2.3.5.2.2. Capacity Building on Community Profiling under the Socio-cultural mapping and documentation of AHP	No. of CapB conducted/organized	1	1	100										
2.3.5.2.3. Online Training on Local Biodiveristy Financial Plan Preparation	No. of trainings conducted/organized	1	1	100										
2.3.5.4. Learning Event on PA Management Zoning	No. of cluster covered	6												
2.3.5.5. Practicum on Human-Crocodile Conflict (HCC)	Training conducted	1			postponed due to restrictions brought about by COVID 19									
	Report submitted	1												
2.3.5.6. Tenth Training of Trainors (TOT10) on Wildlife Law Enforcement	Training conducted	1			postponed due to restrictions brought about by COVID 19									
	Report submitted	1												
2.3.5.7. Third Wildlife Enforcement Summit	Summit conducted	1	1	100										
	Report submitted	1												
2.3.5.8. Retooling on Wildlife Permit Issuances (on-line and face to face)	Training conducted	1	1	100										
	Report submitted	1	1	100										
2.3.5.9. Stop Illegal Wildlife Campaign in airports and seaports	Training conducted	2			postponed due to restrictions brought about by COVID 19									
	Report submitted	2												
2.3.6. Attendance to trainings, learning events/ orientations/ webinars from other agencies (coastal and marine concerns, QMS, personnel development, admin, database, GAD, M&E etc.)	No. of trainings attended with report submitted	8	1	13										

PROGRAM/ACTIVITY/PROJECT	PERFORMANCE INDICATOR	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
											%O/AA	%D/O	%D/AA
2.4. Knowledge Management													
2.4.1. National Coastal and Marine Database													
2.4.1.1. Coordination activities for the updating and enhancement of the National Coastal and Marine Database	Activity conducted with report submitted	4	4	100									
2.4.1.2. Attendance to meetings for other coastal and marine related database	Meetings attended with report submitted	2	7	350									
2.4.2. BMB Website Updating													
2.4.2.1. Posting of CMD updates, reports, news stories to the BMB website	No. of articles posted in the BMB website	8	20	250									
2.4.2. Support to BMB Knowledge Management													
2.4.2.1. Maintenance of Internet Connectivity	firewall license procured	1	1	100									
	antivirus license procured	1	1	100									
2.4.2.3. Maintenance/updating of caves and wetlands database	database maintained/updated	4	4	100									
2.5. Communication, Education and Public Awareness (CEPA) and Social Marketing													
2.5.1. Coordination Meetings related to Social Marketing, CEPA, and other coastal and marine-related events	Meetings attended with report submitted	4	4	100									
2.5.2. Conduct of activities, workshops, etc. for Social Marketing:	Activity conducted with report submitted	4	7	175									
2.5.2.1. Communication Plan Roll-out/Orientation													
2.5.2.2. Social Marketing Framework Finalization													
2.5.2.3. Hands-on-ARMS Activity													
2.5.2.4. NIPAS Atlas													
2.5.2.5. Development of KAP Supplemental Survey Questionnaires													
2.5.2.6. Women's Leaders Forum / Women and Men of the Seas													
2.5.2.7. Other CEPA Events													
2.5.3. Development of PTV4 Supplemental MOA for the PH Rise and WPS Documentary and interstitials	MOA drafted	1	3	300									
2.5.4. Green Fins Implementation Mentoring in pilot sites	Activity conducted with report submitted	3	4	133									
2.5.4.1. Conduct of GF Consultation Workshop, meetings, etc													
2.5.5. Conduct of Special Events for coastal & marine awareness:	Activity conducted with report submitted	5	6	120									
Month of the Ocean Celebration, World Oceans Day, Coral Triangle Day Celebration, International Coastal Clean Up, PH Rise week/ month, MANA Mo, Year of the Protected Area, Decade of Ocean Science													
2.5.6. Production of CMEMP IEC Materials and training modules	No. of IEC materials produced	8	28	350									

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	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
											%O/AA	%D/O	%D/AA
2.6. Technical Assistance													
2.6.1. Technical Assistance on Mainstreaming of ICM													
2.6.1.1. Finalization of the ICM Roadmap/Framework	ICM Roadmap finalized	1	1	100									
2.6.1.2. Finalization of Criteria on Best Practices on ICM	Criteria for Best Practices finalized	1											
Mainstreaming into the CLUP and CDP													
2.6.1.3. Capacity Building	Activity conducted with report submitted	3	3	100									
2.6.1.4. Updating status of the ICM, CLUP and CDPs of LGUs	Quarterly report on database and LGU profiles updating submitted	3											
2.6.2. Technical Assistance/Support to CMEMP Regional Implementation													
2.6.2.1. Review of submitted reports, provision of TA on CMEMP	Documents reviewed and acted upon	16	340	2125									
Implementation reports submitted by ROs													
2.6.2.2. Field Technical Assistance/ support to the regional/ field offices on their CMEMP Component Implementation	Activity conducted with report submitted	8	19	238									
2.6.2.3. Support to the implementation of CMEMP, CarCap implementation, Snake Island Operational Plan Implementation, PH Rise and WPS concerns, Five Gems (El Nido, Puerto Galera, Coron, Boracay and SIPLAS), conduct of Coastal and Marine Management 101, Roll-out of modules and policy papers developed, downloading of funds to regions, etc.	Proposal and WFP/report submitted	8	8	100									
2.6.3. Technical Assistance/Support to BMB activities													
2.6.3.1. Rapid Assessment of Wetland Ecosystem Services (RAWES) in selected sites	no. of pilot sites/pilot-testing conducted with report submitted	1	1	100									
2.6.3.2. Updating of Atlas on inland wetlands including caves	updated Atlas printed/produced	100			undergoing procurement process								
2.6.3.3. Capacity Building													
2.6.3.3.1. Learning event on the assessment of different types of inland wetlands	preparatory activities	1	1	100									
2.6.3.3.2. Learning Event on Single Rope Technique (Level 2)	preparatory activities	1			moved to 2022								
2.6.3.3.3. Foundational underwater cave diving course	activity conducted	1	1	100									
2.6.4. Technical assistance to other offices on coastal and marine related concerns referred by FOI, citizen's charter clients, students, walk-in clients, interviews, etc.	Technical assistance provided	12	63	525									
3. Partnership, Convergence, Technical Assistance and Support to Other Agencies on Coastal and Marine Related Concerns													
3.1. National Commitments and Support to Other Coastal and Marine Concerns													
3.1.1. Review of documents on coastal and marine concerns	Documents reviewed and acted upon	12	71	592									
3.1.2. Attendance to meetings related to implementation of related programs/projects supported by CMD	Meetings attended with reports submitted	25	297	1188									

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	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT							
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)			
											%O/AA	%D/O	%D/AA	
3.1.3. Conduct/Support to National Coastal and Marine Concerns i.e. DFA-related concerns, ProCoast, SCS-SAP, GCF, BMB-BFAR Convergence, Climate Change, NWRRC, MPA management, etc.	Activities conducted with report submitted	8	71	888										
3.1.4. Support to rehabilitated marine wildlife at the National Wildlife Rescue and Rehabilitation Center	Support provided	1	1	100										
3.1.5. Attendance to meetings/ events of other offices: DFA, BFAR, NEDA, etc	Meetings attended with reports submitted	18	31	172										
3.2. Support to International Commitments related to Coastal and Marine Concerns														
3.2.1. Review of special concerns on international related partnership/MOA/Collaborations/MSR, etc. related to coastal and marine	No. of correspondence prepared and submitted	4	17	425										
3.2.2. Support to or attendance to international negotiations, meetings, commitments, forums, learning event, conferences, conventions i.e. ASEAN (AHP/ AWGCE), Ramsar, CBD, etc	Activities attended with report submitted	8	127	1588										
3.2.3. Ramsar Convention														
3.2.3.1. 50th Anniversary Celebration of the Ramsar Convention	Activity conducted with report submitted	1	1	100										
3.2.4. ASEAN Task Force on Peatlands	report submitted	1	1	100										
3.3. BMB-BFAR Convergence														
3.3.1. Conduct of/Attendance to quarterly/Small Group Meetings	Meetings attended with report submitted	4	10	250										
3.3.2. Review of documents related to milestone implementation	Documents reviewed and acted upon	2	2	100										
3.3.3. Review and updating of the Convergence Operational Plan	Operational Plan reviewed and updated	2	2	100										
3.4. National Convergence Initiative														
3.4.1. Conduct of meetings regarding National Convergence Initiative	Meetings attended with report submitted	4	8	200										
3.5. Convergence with Other Agencies														
3.5.1. BMB-RARE Convergence with PCG, PNP Maritime, EMB on marine litter, and BFAR re: Strengthening the Conditions on MPA and Fish Sanctuaries	Meetings attended with report submitted	2	2	100										
3.6. Manila Bay														
3.6.1. Support to the OPMBCS Physical Assessment	Monitoring report submitted	2	2	100										
3.6.2. Establishment of monitoring sites for Physical Assessment	Monitoring site established	1	1	100										
3.6.3. Monitoring of Pawikan Nesting Sites within the Manila Bay Region Bataan and Cavite (includes beach profiling)	Monitoring report submitted	3	3	100										
3.6.4. Establishment of the CABATALES Marine Turtle Network	CABATALES Network established	1	1	100										
3.6.5. Coastal and Marine Zone Spatial planning for Manila Bay Area	Report submitted by Consultant	1	1	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	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT							
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)			
											%O/AA	%D/O	%D/AA	
3.6.6. Formulation of 5-year research, development and policy agenda for management and development of Manila Bay (LPPWPA)	Report on policy agenda development submitted	1	1	100										
3.6.7. Engagement of scientists/academicians and research institutions for science based decision making for Manila Bay (Region 3, NCR and Region 4A)	MOU signed	2	3	150										
3.6.8. Regular Conduct of online/blended Meeting with LGUs's report of Cleanup, Informal Settler Families and Dredging updates in support to the Tullahan - Tinajeros Rehabilitation	No. of reports submitted	1	1	100										
4. Monitoring and Evaluation														
4.1. Attendance to meetings and workshops related to planning and monitoring of CMEMP and other coastal and marine related concerns (pre-programming, midyear, reprogramming, year end)	Activities conducted with reports submitted	8	27	338										
4.2. Conduct of meetings and workshops for the planning and monitoring of CMEMP and biodiversity related concerns: National Program Orientation and Assessment, CMEMP strategic planning and monitoring (year starter, mid year, year end), etc	Activities conducted with reports submitted	4	9	225										
4.3. Attendance/ conduct of monitoring, field validation, field investigation, composite team, etc	Monitoring report submitted	12	13	108										
5. Program Support														
5.1. Support to CMD Operations														
5.1.1. Database Management Officer/GIS Specialist	Support services/staff hired	2	2	100										
5.1.2. Data Management Support Officer	Support services/staff hired	1	1	100										
5.1.3. Assitant Program/Project Coordinator	Support services/staff hired	1	1	100										
5.1.4. GIS Specialist	Support services/staff hired	1	1	100										
5.1.5. IEC Officer	Support services/staff hired	2	2	100										
5.1.6. Monitoring Officer	Support services/staff hired	2	1	50										
5.1.7. Environmental Management Specialist	Support services/staff hired	10	5	50										
5.1.8. Financial Management Officer	Support services/staff hired	1	1	100										
5.1.9. Budget Assistant	Support services/staff hired	1	1	100										
5.1.10. Procurement Officer	Support services/staff hired	1	1	100										
5.1.11. Assitance Project Coordinator for WPS and PH Rise Concerns	Support services/staff hired	1	1	100										
5.1.12. Project Development Officer	Support services/staff hired	1	1	100										
5.1.13. Project Support Officer	Support services/staff hired	1	1	100										
5.1.14. Technical Support Specialist	Support services/staff hired	2	2	100										
5.1.15. Technical Support Staff	Support services/staff hired	5	5	100										
5.1.16. Administrative Assistant	Support services/staff hired	2	2	100										
5.1.17. Data Encoder	Support services/staff hired	1	1	100										
5.1.18. Records Management Assistant	Support services/staff hired	1	1	100										
5.1.19. Information Officer	Support services/staff hired	1	1	100										
5.1.20. Project Monitoring and Evaluation Officer	Support services/staff hired	3	1	33										

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	2021 PHYSICAL PERFORMANCE				EXP CLASS	2021 FINANCIAL ACCOMPLISHMENT						
		ANNUAL TARGET	ANNUAL ACCOMP	%ACCOMP	REMARKS		ALLOTMENT (A)	ADJUSTED ALLOTMENT (AA)	OBLIGATION (O)	DISBURSEMENT (D)	% BUDGET UTILIZATION RATE (BUR)		
											%O/AA	%D/O	%D/AA
5.1.21. Administrative Assistant (Manila Bay)	Support services/staff hired	1	1	100									
5.1.22. Driver	Support services/staff hired	3	3	100									
5.2. Maintenance of Equipment													
5.2.1. Repair, Maintenance, Upgrading of Equipment (including diving gears and compressor, vehicle, computer parts/ hardwares)	No. of equipment maintained/repaired/ upgaded and softwares/subscriptions/ supplies purchased	12	12	100									
5.2.2. Purchase of softwares, subscription to zoom, cloud storage, support to utilities, mandatories, Office Supplies, etc	No. of softwares/subscriptions/supplies purchased	4	4	100									

Prepared by:


 NANCY R. CORPUS
 OIC-Chief, BFM/IL

Approved by:


 NATVIDAD Y. BERNARDINO
 OIC Director