



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE

DENR MIMAROPA	
RECORDS SECTION	
RECEIVED	DATE: <i>Jun 21 2023</i>
BY: <i>[Signature]</i>	TIME: <i>[Signature]</i>

JUN 21 2023

MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA Region
1515 DENR By the Bay Building, Roxas Boulevard,
Barangay 668, Ermita, Manila

THRU : The ARD for Technical Services

FROM : The OIC, PENR Officer

SUBJECT : **2ND QUARTERLY REPORT OF THE PROTECTED AREA
MANAGEMENT BOARD MEETING OF MTS. IGLIT-BACO
NATURAL PARK**

Forwarded is the memorandum dated June 08, 2023 of PASu of Mounts Iglit-Baco Natural Park (MIBNP) regarding 2nd Quarterly Report of the Protected Area Board Meeting (PAMB) of MIBNP held on June 06, 2023 at Aroma Family Hotel and Resort Complex, San Jose, Occidental Mindoro.

Based on the summary report of proceedings nine (9) major agendas were discussed and three (3) other matters were added. The agenda that was approved by the PAMB members was the Propose Project for the Special Account in the General Fund (SAGF) for CY 2024.

Attached are the order of businesss, summary of proceedings, attendance, presentation that have been presented and photo documentation during the meeting.

For information and record.

[Signature]
ERNESTO E. TAÑADA



June 08, 2023

MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA
1515 L&S Bldg., Roxas Blvd., Ermita, Manila

THRU : The PENR Officer
Mamburao, Occidental Mindoro

FROM : The Protected Area Superintendent
Mts. Iglit-Baco Natural Park

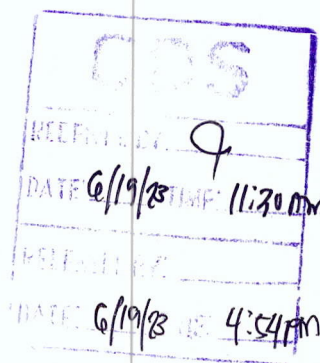
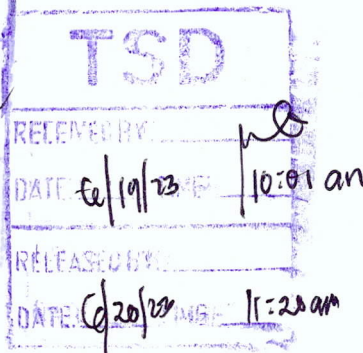
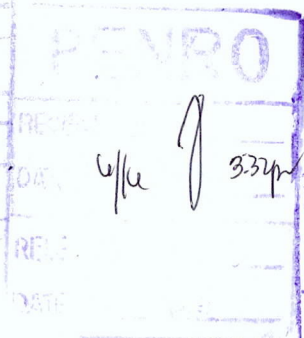
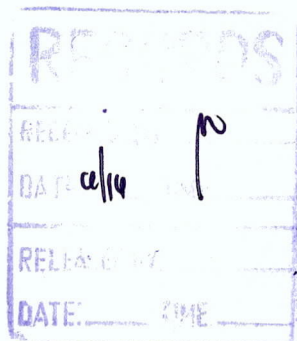
SUBJECT : **2ND QUARTERLY REPORT OF THE PROTECTED
AREA MANAGEMENT BOARD MEETING OF THE
MTS. IGLIT-BACO NATURAL PARK**

Respectfully submitted herewith the 2nd Quarterly Report of the Protected Area Management Board Meeting of Mts. Iglit-Baco Natural Park which was conducted last June 06, 2023. Nine (9) major agendas were discussed and three (3) other matters were added with a total of ten (12) agendas. The one (1) agenda for approval were approved by the PAMB.

Attached herewith the order of business, summary of proceedings, attendance, presentations that have been presented, and the photo documentations during the meeting.

For your information and record.


HECTOR S. ARAGON, JR.





Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
**MTS. IGLIT-BACO NATURAL PARK
PROTECTED AREA MANAGEMENT BOARD**



2ND QUARTER REGULAR MIBNP PAMB MEETING
Aroma Family Hotel and Resort Complex, San Jose, Occidental Mindoro
June 06, 2023 (Tuesday)

ORDER OF BUSINESS			
ITEMS	PRESENTER / DISCUSSANT		
A. Preliminaries			
1. Invocation	Video Presentation		
2. Pambansang Awit ng Pilipinas	Video Presentation		
3. Introduction of Members / Resource Persons / Guests	PASu Hector S. Aragones, Jr.		
4. Inspirational Message	PENRO Ernesto Tañada		
ITEMS	PRESENTER / DISCUSSANT	DOCUMENTS	Action to be Taken
B. Meeting Proper			
1. Roll Call & Proof of Quorum	PASu Hector S. Aragones, Jr.	Attendance of Zoom and face-to-face participants	For declaration of quorum
2. Call to Order	PAMB Chair		
3. Approval of the Order of Business	PAMB	Order of Business	For approval
4. Reading and approval of the minutes of previous meeting (1 st quarter regular PAMB Meeting CY 2023)	PAMB	Minutes of 1 st Quarter Regular PAMB Meeting CY 2023	For correction and approval
5. Matters arising from the minutes of the previous meeting	PASu Hector S. Aragones, Jr.	Status Report / Updates	For information and discussion
C. Order of Business			
1. Propose project for the Special Account in the General Fund (SAGF) for CY 2024.	PASu Hector S. Aragones		For approval
2. Update on the DAF activities inside the Mts. Iglit-Baco Natural Park.	DAF Representative	Presentation	For information
3. Awarding of Certificate for the winner of the Mts. Iglit-Baco Natural Park Logo Making Contest.	PASu Hector S. Aragones		For Information
4. Presentation of the initial result of the conducted Biodiversity Assessment Monitoring System inside the Mts. Iglit-Baco Natural Park.	APASu Neil Anthony del Mundo	Presentation	For Information
5. Update on the Protected Area Management Plan of Mts. Iglit-Baco Natural Park.	PASu Hector S. Aragones		For Information
6. Presentation of result of Annual Tamaraw Population Count CY 2023	APASu Neil Anthony del Mundo	Presentation	For Information
7. Capacity Building of PAMB Members	PASu Hector S. Aragones		For information and discussion



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**MTS. IGLIT-BACO NATURAL PARK
PROTECTED AREA MANAGEMENT BOARD**



ITEMS	PRESENTER / DISCUSSANT	DOCUMENTS	Action to be Taken
8. Update on the conducted Ecotourism Workshop	PASu Hector S. Aragones	Presentation	For Information
9. Creation of PAMB Special Committee for illegal ranching activities inside the MIBNP	PASu Hector S. Aragones		For discussion
D. Other Matters			
10. Request of CENRO San Jose to conduct Biophysical Assessment and Soil Sampling inside the MIBNP.	PASu Hector S. Aragones	Copy of request	For Information
11. Proposal of Gender Sensitive comfort room from LGU Calintaan	Ms. Arianne Masian/ Tourism Officer	Program of Work and Design of the project	For Information
12. Other issues and concern regarding the construction of infrastructures and road construction project of DPWH inside the PA	PASu Hector S. Aragones	Geotagged photos of the construction	For discussion
E. Adjournment			



Name of PA : **Mounts Iglit-Baco Natural Park**
Location of PA : **Provinces of Mindoro**
Type of Meeting : **2nd Quarter Regular PAMB Meeting of Mts. Iglit-Baco Natural Park**
Date of Meeting : **June 06, 2023**
Venue : **Aroma Family Hotel and Resort Complex, San Jose, Occidental Mindoro**

SUMMARY REPORT OF 2 ND QUARTER REGULAR PROTECTED AREA MANAGEMENT BOARD MEETING OF MTS. IGLIT-BACO NATURAL PARK		
TOPICS DISCUSSED	SUMMARY OF DISCUSSION	AGREEMENTS REACHED
A. Preliminaries	<ul style="list-style-type: none">The meeting started at around 10:20 in the morning.	<ul style="list-style-type: none">Facilitated by MIBNP-PAMO staff present at the meeting.
1. Invocation	<ul style="list-style-type: none">The invocation was led by Mrs. Michelle R. Garcia, PAMB Focal and Admin Assistant of MIBNP-PAMO and singing of National Anthem through an audio-visual presentation.	
2. Introduction of Members/ Resource Persons/ Guests	<ul style="list-style-type: none">PASu Hector Aragoness greeted everyone.	<ul style="list-style-type: none">PASu Aragoness acknowledged every PAMB Members attended in the meeting.
3. Inspirational Message	<ul style="list-style-type: none">It was given by PENRO Ernesto Tañada.	<ul style="list-style-type: none">
B. Meeting Proper		
1. Roll Call & Proof of Quorum	<ul style="list-style-type: none">PASu Hector S Aragoness, Jr. recognized the twenty two (22) PAMB members attended both face-to-face and via Zoom.	<ul style="list-style-type: none">The meeting was declared in quorum because it answered the 50 % +1 requirements attendance of PAMB members out of 35 official PAMB members based on RA 11038 or ENIPAS.
2. Call to Order	<ul style="list-style-type: none">Due to absence of the Regional Executive Director Lormelyn Claudio as a PAMB Chairperson, PASu Aragoness requested to choose a presiding officer among the members of the PAMB.	<ul style="list-style-type: none">Ms. Arianne Masian, official representative from LGU Calintaan was nominated and duly seconded as a presiding officer for the meeting.
3. Approval of the Order of Business	<ul style="list-style-type: none">Ms. Masian read the outlined order of business and asked the body if there's an agenda that they want to remove or if there's any additional.	<ul style="list-style-type: none">There was 9 agenda outlined for the meeting and 3 agenda was added for update, for information and for discussion of the PAMB.



SUMMARY REPORT OF 2 ND QUARTER REGULAR PROTECTED AREA MANAGEMENT BOARD MEETING OF MTS. IGLIT-BACO NATURAL PARK		
TOPICS DISCUSSED	SUMMARY OF DISCUSSION	AGREEMENTS REACHED
4. Reading and approval of the minutes of previous meeting (1 st quarter regular PAMB Meeting CY 2023)	<ul style="list-style-type: none">The minutes of the previous meeting was shared to the body which was also sent to the members in advance for review but no comments and clarifications has been made.	<ul style="list-style-type: none"><i>The minutes of the 1st regular PAMB Meeting CY 2023 has been approved through the motion of MENRO Robert Duquil, from LGU Sablayan and duly seconded by Hon. Merlie Tagle, from BLGU Monteclaro, San Jose, Occidental Mindoro.</i>
B. Order of Business		
1. Propose project for the Special Account in the General Fund (SAGF) for CY 2024.	<ul style="list-style-type: none">Mr. John Paul Santelices, Forest Ranger/ Planning Officer of MIBNP-PAMO presented the propose special budget request of Mts. Iglit-Baco Natural Park for CY 2024 under the Integrated Protected Areas Fund- Special Account in the General Fund (SAGF).	<ul style="list-style-type: none"><i>The proposal for the special budget request was approved through the motion of Mr. Lord Priam Cordova, from Occidental Mindoro State College (OMSC) and was seconded by MENRO Robert Duquil, from LGU Sablayan.</i>
2. Update on the DAF activities inside the Mts. Iglit-Baco Natural Park.	<ul style="list-style-type: none">Mr. Ronet Santos presented the accomplishment of the DAF enclosed with the Work and Financial Plan of the MIBNP-PAMO. He said that they intervene in the three (3) programs of the PAMP which are the Program 1, the conservation of species, habitats, and ecosystem which is the research on Tamaraw and its habitat, Program 3, Indigenous Communities which is the Bio-cultural approach with the residing Taobuid communities impacted by tamaraw conservation measure, and Program 4, Wildlife crime prevention and law enforcement. He discussed their accomplishments in each program and their ongoing activities.	<ul style="list-style-type: none"><i>After the presentation, Mr. Lord Priam Cordova proposed to move a resolution for the other activities od DAF for CY 2024 and was seconded by Hon. Tito Morella, from BLGU Malpalon, Calintaan, Occidental Mindoro.</i>
3. Awarding of Certificate for the winner of the Mts. Iglit-Baco Natural Park Logo Making	<ul style="list-style-type: none">PASu Aragones introduced the winner of the conducted Logo Making Contest last October 2022. The logo design was approved by the	<ul style="list-style-type: none"><i>PASu Hector Aragones together with PENRO Ernesto Tañada awarded the Certificate to Mr. Paolo Maravilla and 5,000.00 prize</i>



SUMMARY REPORT OF 2 ND QUARTER REGULAR PROTECTED AREA MANAGEMENT BOARD MEETING OF MTS. IGLIT-BACO NATURAL PARK		
TOPICS DISCUSSED	SUMMARY OF DISCUSSION	AGREEMENTS REACHED
Contest.	PAMB to be the official logo of the Mts. Iglit-Baco Natural-Protected Area Management Office.	<i>will be sent to him.</i>
4. Presentation of the initial result of the conducted Biodiversity Assessment Monitoring System inside the Mts. Iglit-Baco Natural Park.	<ul style="list-style-type: none">APASu Neil Anthony del Mundo presented the result of the conducted Biodiversity Assessment Monitoring System. He said that they will conduct again an assessment on August for wet season.	<ul style="list-style-type: none"><i>The final report will be presented to the 4th quarter PAMB Meeting after the conduct of the assessment for wet season on August 2023.</i>
5. Update on the Protected Area Management Plan of Mts. Iglit-Baco Natural Park.	<ul style="list-style-type: none">PASu Aragones shared the memorandum of the affirmed Protected Area Management Plan to the body. He said that it was affirmed last December 22, 2022.	<ul style="list-style-type: none">
6. Presentation of result of Annual Tamaraw Population Count CY 2023	<ul style="list-style-type: none">APASu del Mundo presented the result of the Annual Tamaraw Population Count CY 2023 with a total of 325. He also discussed some factors why the population has declined.	<ul style="list-style-type: none"><i>APASu del Mundo said that the UNDP BioFin is conducting a Habitat Restoration Plan on how to restore the ranching sites into Tamaraw Habitat.</i><i>Mr. Santos also said that they will help in all of efforts and they will have a meeting on June 21 to talk about the expansion of Tamaraw Habitat.</i>
7. Capacity Building of PAMB Members	<ul style="list-style-type: none">PASU Aragones said that a Capacity Building for the PAMB Members is one of the target of MIBNP-PAMO.He presented the composition of PAMB Members based on ENIPAS.	<ul style="list-style-type: none"><i>PASu Aragones said that he will send again a letter to all PAMB Members for their requirements.</i><i>Mr. Allam Lumawig, IP Representative from Taobuid Occidental Mindoro, suggested including the NCIP in the Capacity Building.</i>
8. Update on the conducted Ecotourism Workshop	<ul style="list-style-type: none">APASu del Mundo presented an update of the conducted Ecotourism Workshop. He shared the activity they did from workshop 1, the focus group discussion for heritage and tourism zone mapping, workshop 2, the situational analysis of identified heritage and ecotourism sites, workshop 3, the SWOT and stakeholders analysis of	<ul style="list-style-type: none">




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MOUNTS IGLIT-BACO NATURAL PARK
PROTECTED AREA MANAGEMENT OFFICE




SUMMARY REPORT OF 2 ND QUARTER REGULAR PROTECTED AREA MANAGEMENT BOARD MEETING OF MTS. IGLIT-BACO NATURAL PARK		
TOPICS DISCUSSED	SUMMARY OF DISCUSSION	AGREEMENTS REACHED
	MIBNP, and the workshop 4, the standard and unified fees.	
9. Creation of PAMB Special Committee for illegal ranching activities inside the MIBNP	<ul style="list-style-type: none">The PAMB suggested seeking advice to the legal counsel for the next steps for the phase-out of illegal ranchers inside the PA.	<ul style="list-style-type: none">PASu Aragoness agreed seeking an advice to the legal counsel.
C. Other Matters		
10. Request of CENRO San Jose to conduct Biophysical Assessment and Soil Sampling inside the MIBNP.	<ul style="list-style-type: none">PASu Aragoness shared the request to the body.	<ul style="list-style-type: none">The request will be presented to the respective committee covers the proposal before presenting it to the PAMB en banc for approval.
11. Proposal of Gender Sensitive comfort room from LGU Calintaan	<ul style="list-style-type: none">Ms. Masian presented the Program of Works of the proposal and Engr. Arvin Ulay presented the design.	<ul style="list-style-type: none">The proposal will be presented to the respective committee covers the proposal before presenting it to the PAMB en banc for approval.
12. Other issues and concern regarding the construction of infrastructures and road construction project of DPWH inside the PA	<ul style="list-style-type: none">PASu Aragoness presented the map of the road construction project of the DPWH inside the PA and their other projects that has no clearance from the PAMB. He also shared the copy of the letter sent from the LGUs regarding the construction of establishment or infrastructures inside the PA.	<ul style="list-style-type: none">The PAMB also suggested seeking advice from legal counsel regarding the issues.With regards to the construction of infrastructures Engr. Ulay suggested to have a courtesy meeting to the municipal mayors together with the Municipal Engineering Office.
C. Adjournment	<ul style="list-style-type: none">The meeting was adjourned at 05:20 in the afternoon.	<ul style="list-style-type: none">Having no other matters to discuss, the meeting was declared adjourned.

Prepared by:


HECTOR S. ARAGONESS, JR.
Forester III/ PA Superintendent
Mounts Iglit-Baco Natural Park

Certified Correct:


ARIANNE GRACE MASIAN
Municipal Tourism Officer Designate
LGU Calintaan

Name of PA : MTS. IGLIT-BACO NATURAL PARK
Location of PA : Province of Mindoro
Type of Meeting : 2nd Quarter CY 2023 Regular PAMB Meeting of MIBNP
Date of Meeting : June 06, 2023
Venue : Combination of Virtual Conference via Zoom Application and Face-to-Face Meeting at Aroma Family Hotel and Resort Complex, San Jose, Occidental Mindoro.

ATTENDANCE OF PAMB MEETING

NAME	POSITION/REPRESENTATION
PAMB Members	
1. Ms. Christelle Dela Roca	PG-ENRO Oriental Mindoro
2. Ms. Mary An Aceveda	OCD MIMAROPA
3. Mr. Bernardino Atienza, Jr.	NEDA MIMAROPA
4. Ms. Jerriea Mae Farro	MPDO LGU Rizal
5. Ms. Rachel Montero	DOST MIMAROPA
6. Hon. Jorly Andaya	BLGU Ligaya, Sablayan, Occ. Mdo.
7. Ms. Merlie M. Tagle	BLGU Monteclaro, San Jose, Occ. Mdo.
8. Mr. Allan Lumawig	IP Representative, Taobuid
9. Hon. Tito Morella	BLGU Malpalon, Calintaan, Occ. Mindoro
10. Mr. Lord Priam Cordova	Occidental Mindoro State College (OMSC)
11. Ms. Cristine Joy Bantiling	MBCFI
12. Hon. Godofredo Piccio	LBGU Manoot, Rizal, Occ. Mindoro
13. Mr. Romel Belmonte	BLGU Tanyag, Calintaan, Occ. Mindoro
14. Hon. Randy Dolos Santos	BLGU Malo, Bansud, Oriental Mindoro
15. Hon. Daisy Gongora	BLGU Poypoy, Calintaan, Occ. Mindoro
16. Ms. Arriane Grace Masian	Tourism Officer, LGU Calintaan
17. Mr. Robert Duquil	MENRO, LGU Sablayan
18. Mr. Mandy Sumbad	IP Representative, Buhid Oriental Mindoro
19. PENRO Ernesto Tañada	DENR-PENR Officer Occ. Mindoro
20. Hon. Sileny Epetitio	BLGU Burgos, Sablayan, Occ. Mindoro
21. Engr. Alexis Dama	MENRO, LGU Mansalay
Visitors/ Resource Persons	
1. Mr. Antonio delos Santos	DOST
2. Ms. Junita Saet	D’Aboville Foundation
3. Mr. Ruther Col-long	NEDA MIMAROPA
4. CENRO Efren Delos Reyes	CENRO San Jose
5. Ms. Lovely B. Oliveros	NCIP Occidental Mindoro
6. Mr. Ronet Santos	D’Aboville Foundation
7. Mr. Matigon Soligan	IPMR Oriental Mindoro
8. Mr. Paolo Maravilla	Logo Making Contest Winner
9. Mr. Herold Castro	CENRO Sablayan
Secretariat/Facilitators:	
1. For. Hector S. Aragones, Jr.	PASu, MIBNP-PAMO
2. Mr. Neil Anthony Del Mundo	APASu, MIBNP-PAMO
3. Mr. Jaylord Evora	EMS 1, MIBNP-PAMO
4. Mr. John Paul Santelices	Forest Ranger/Planning Officer, MIBNP-PAMO
5. Michelle R. Garcia	Admin Assistant, MIBNP-PAMO
6. Rosa Flor M. Mangupit	Park Ranger, MIBNP-PAMO
7. Lucille Fabular	Park Ranger, MIBNP-PAMO
8. Rhea Lorainne Gorio	Technical Staff, MIBNP-PAMO
9. Mae Fatima Laderas	CEPA Assistant

1. Propose project for Special Account in the General Fund (SAGF)

**PROPOSE SPECIAL BUDGET REQUEST OF
MTS. IGLIT-BACO NATURAL PARK FOR CY
2024 UNDER THE INTEGRATED
PROTECTED AREAS FUND - SPECIAL
ACCOUNT IN THE GENERAL FUND (SAGF)**

**PROPOSED PROJECT FOR CY 2024 UNDER THE INTEGRATED PROTECTED AREAS
FUND - SPECIAL ACCOUNT IN THE GENERAL FUND IN THE AMOUNT OF FIVE (5)
MILLION PESOS.**

PROGRAM/ACTIVITY/ PROJECT	UNIT COST	PERFORMANCE INDICATORS	REMARKS
II. FOR PROCLAIMED AND LEGISLATED PAS			
1. Ecotourism Program			
1.A Ecotourism Development			
A.1- Construction/Improvement of Facilities	2,000,000.00 500,000.00	Construction of Barkong-Bato Hanging Bridge Improvement of Apton Hanging Bridge	
A.2- Procurement Motor Vehicles	120,000.00/unit 2,000,000.00/unit	Two (2) Motor cycle Procured One (1) Elf Truck 6 wheeler procured	
2. PAMO Operationalization			
2.A- Procurement of ICT Equipment	75,000.00/unit 55,000.00/unit	Two (2)- Laptop with accessories Two (2)- Desktop computer with accessories	
Total	5,000,000.00		

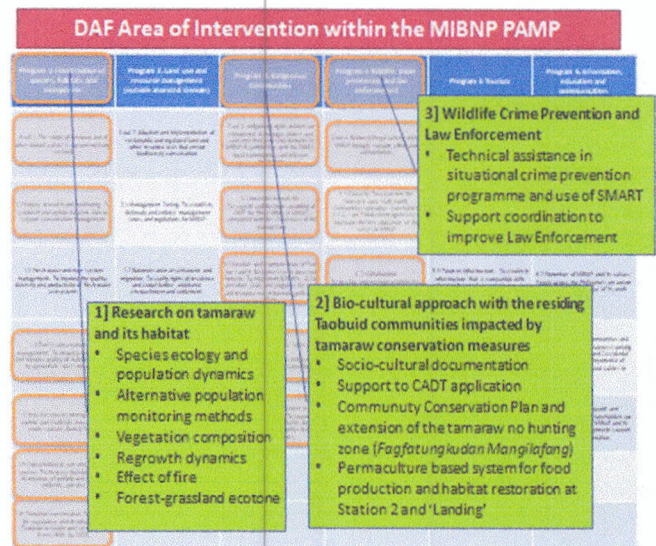
Mangyan – Tamaraw Driven Landscape Program
Conservation and Enhancement of the Natural and Cultural Heritage
of Mindoro Island - Philippines

Update on implementation of DAF-related activities in the MIBNP PAMO WFP 2022 up to May 2023

D'ABOVILLE Foundation
 Port : +63 9166723 834
 Email : man-ado@ziffmail.com
www.sabodilefoundation.org



Republic of the Philippines
Department of Environment and Natural Resources
MEMAROPA - Region IV
Provincial Environment and Natural Resources Office
TAMARAW CONSERVATION PROGRAM
Airport Road, San Roque I, San Juan, Occ. Mindoro
Tel./Fax No. (043) 491-1236



PROGRESS

1] Research on tamaraw and habitats

- ☐ Average population growth rate at 5% per year
- ☐ Growth rate is decreasing
- ☐ Concentrated within less than 3,000 hectares
- ☐ Density dependence effect shows carrying capacity could be reached soon
- ☐ Long-term viability in MIBNP still uncertain

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- ☐ Traditional point count is overestimating
- ☐ Not repeatable and comparable because of subjectivity
- ☐ Traditional point count doesn't give interval of confidence
- ☐ Counting using double observer estimator suggesting population Half the size



Estimation of tamaraw population size at Mt Igto-Bace Natural Park: a comparison between the simultaneous multi-vantage points count method and the double observer point count estimator

Constantin Suter, D'ANIELLE Foundation and Dentsu France
 Alexis Roca-Barria, IACM CNRS, Australian Bureau of
 Fernando Cardenas, D'ANIELLE Foundation and Dentsu France
 Christophe Beaudou, IACM CNRS France

October 2022

Executive summary

My Igto-Bace Natural Park (MIBNP), in Mindoro, Philippines, hosts the largest population of the endemic and critically endangered tarsier (*Haplorhina mindanensis*). The annual *in situ* population count operation carried out by local authorities has for the past two decades been valuable in measuring population trends and protection success. No-inferiority and, as with any approach that does not account for imperfect detection probability, the traditional *in situ* counts only retain a proxy of tamaraw numbers and not an absolute population size. Hence, the actual number of animals remains unknown. In addition, thorough observation of the terrestrial and during the annual count requires many hours, resulting in an official total number of tamaraw which could be misleading to non-understanding of the actual number of animals actually present.

To address these issues, we first critically reviewed the traditional annual count of tamaraws, its protocol and results. We then compared these results with those obtained using a more accurate estimator of population abundance called the double observer counts. Unlike the traditional annual count approach, this method estimates the detection probability of animals and the population size with confidence intervals. The main outputs and findings of this work suggest that the number of tamaraws might be half what the traditional annual count would claim. The following sections attempt to explain why.

Overestimation of the number of animals in the annual tamaraw population count

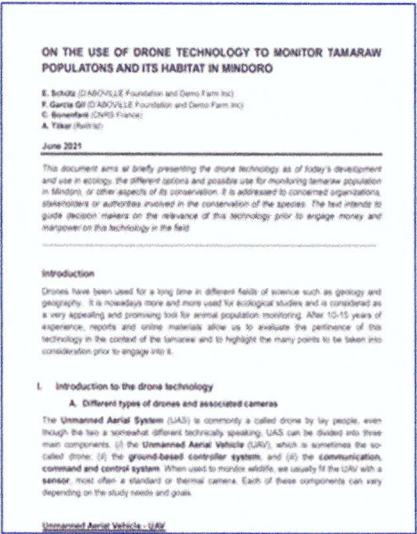
- Biologically unrealistic: Action of animals caused by the annual tamaraw count.**

Official results of the annual count suggest a problem of overestimation of the number of tamaraws present inside the count area (120000). This is enabled by the fact that the calculated density of animals at the count area is much higher than any other value found in the literature for tamaraw groups of similar body size (Table 3). Based on results of the count for the period 2015-2022, around 400 animals appear to share an area of 2000ha.

2. Presentation of Update of DAF Activities inside the MIBNP

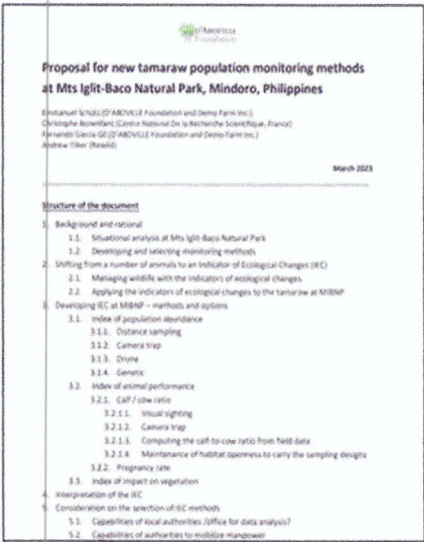
Key points:

- ❑ Drone at early stage of development in monitoring wildlife populations
- ❑ Faces the same issue of detectability and multiple count than any other method
- ❑ Data processing complex
- ❑ Not recommended for Tamaraw at MIBNP



Key points:

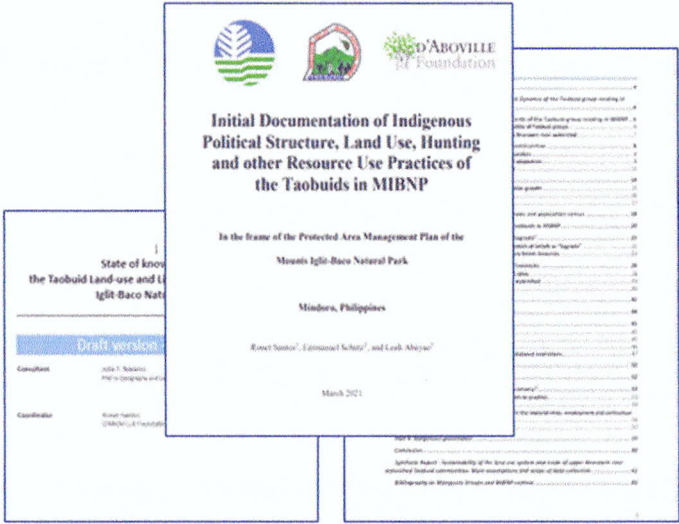
- ❑ Propose shift from census method to Indicators of Ecological Change (IEC) that better informs adaptive management
- ❑ IEC =
 - Abundance (transect, distance sampling, camera trap, genetics...)
 - Reproduction success (calf to cow ratio, pregnancy rate),
 - Impact on vegetation (grazing vs non-grazing comparison)
- ❑ Choice of method will make data processing differ in skills and costs



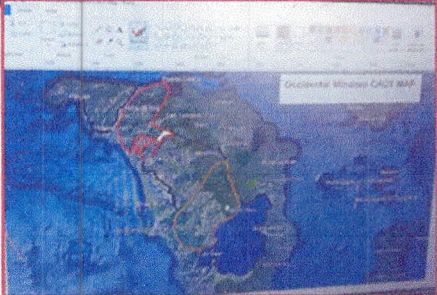
Ongoing activities:

- ❑ Habitat assessment data – given to UNDP-Biofin for incorporation in their consultancy work
- ❑ Assessment of fire occurrences – very cursory analysis done
- ❑ Collaboration with UST Masters students

2] Bio-cultural approach with the residing Taobuid communities affected by tamaraw conservation measures



Taobuid ancestral domain Boundary delineation (March 2023)



2. Presentation of Update of DAF Activities inside the MIBNP

Learning visit at
Mount Kitanglad Range
Natural Park (MKNRP)
(February 2023)



Purpose of the CCP

Establish a cooperation framework between the Taobuid and the PAMO aiming at:

- Informing Taobuid about the plans and objectives and obligation of the Park office;
- Providing DENR and other stakeholders with a clear and rational description of the cultural practices of the Taobuid communities relevant to land-use management and biodiversity conservation;
- Formalizing mechanism to avoid or to solve confrontational situation between PAMO and Taobuid due to misunderstanding, miscommunication or lack of information on each-other activities/initiatives
- Providing Taobuid with a clear ethnographic state of knowledge of the principles driving their cultural practices to keep it alive for future generations;
- Establishing the Indigenous Knowledge System and Practices (IKSP) of the Taobuid as the source of wisdom of the tribe and basis for sustainable use of natural resources.

CCP formulation process

2018 – 2022: Research



- Initial documentation of Taobuid indigenous political structure, land use, hunting, and other resource use practices
- "State of knowledge"

Workshop 1: 15 Dec 2022



- Contact: Initial brain, goals and objectives
- Section 1: Indigenous knowledge systems and practices (IKSP)

Workshop 2: 22 Feb 2023

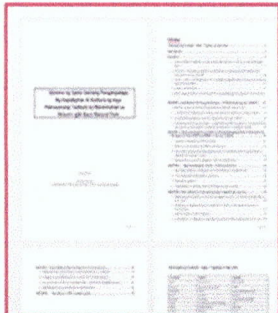


- Section 1: IKSP
- Section 3: Issues and challenges

Workshop 3: 22 Mar 2023



- Section 4: Mechanisms for addressing issues
- Section 6: Action plan



- Section 5: MIBNP PAMO Partnership Framework
- Section 4: Mechanisms for addressing issues
- Section 6: Action plan
- Section 5: Expansion of the Settlement safe zone

Workshop 4: 18 May 2023



June 21

Permaculture-based System for Food Production and Habitat Restoration at Station 2 and Landing area

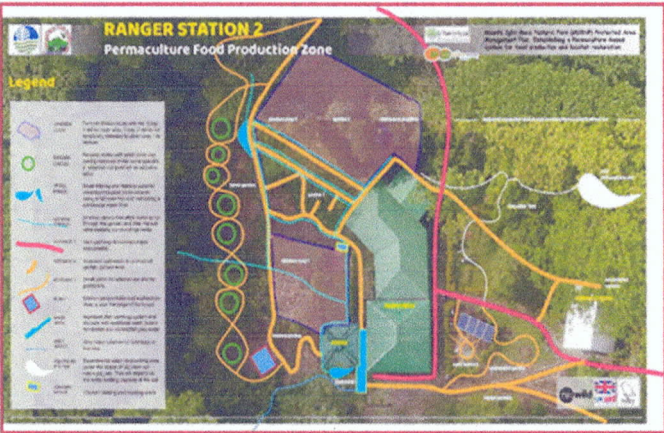
□ Establish an integrated organic farm system managed by the rangers :

- Provide locally produced supply for rangers on duty
- Provide organic and locally produced food to the visitors
- Limit import of food supply from outside
- Limit trashes and non organic materials management
- Experiment habitat restorations techniques in the grassland of the landing area to restore forest cover and soil and increase local biodiversity

□ Promote the system as a platform for:

- Alternative food production and farming practices
- Increase positive interaction between DENR and residing IP communities
- Source of inspiration for enhancement of farming system and land-use system of residing IP communities
- Trial of habitat restoration for replication in No Hunting Zone

Station 2 area organic and diversified food production



Basic permaculture design course (November 2021)



Seed saving training (June 2022)



Bamboo orientation (May 2023) – in preparation for Bamboo Bootcamp in October 2023, as part of the Tamaraw Month

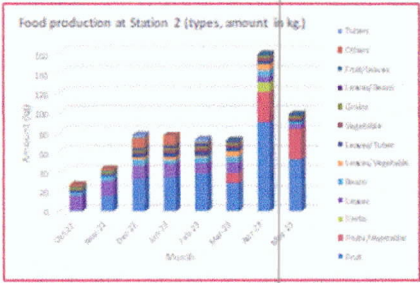
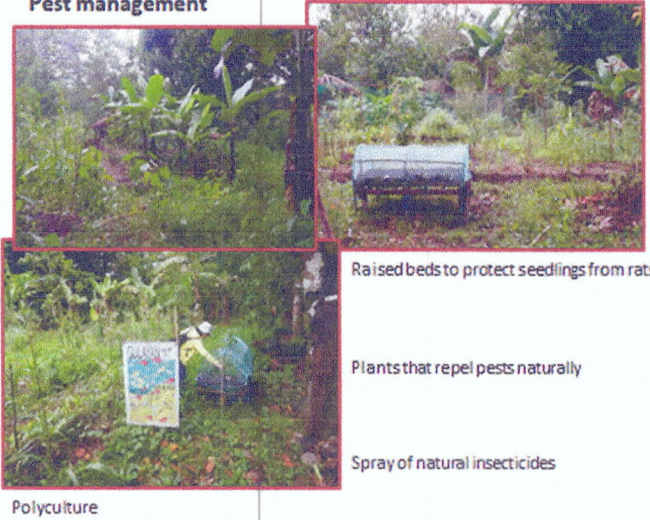
2. Presentation of Update of DAF Activities inside the MIBNP



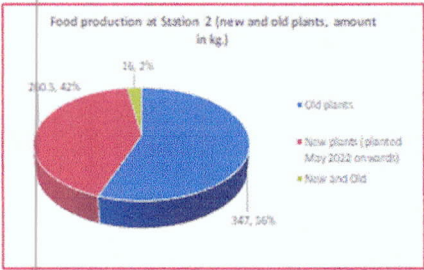
Waste management



Pest management

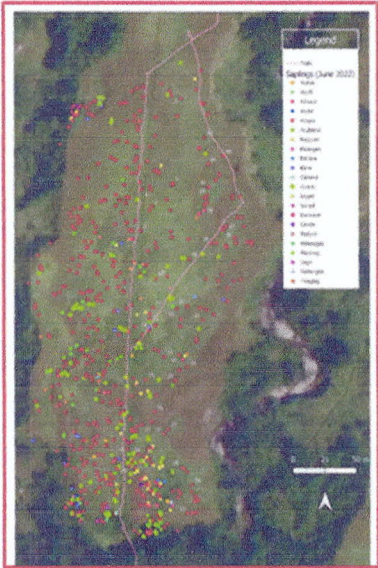
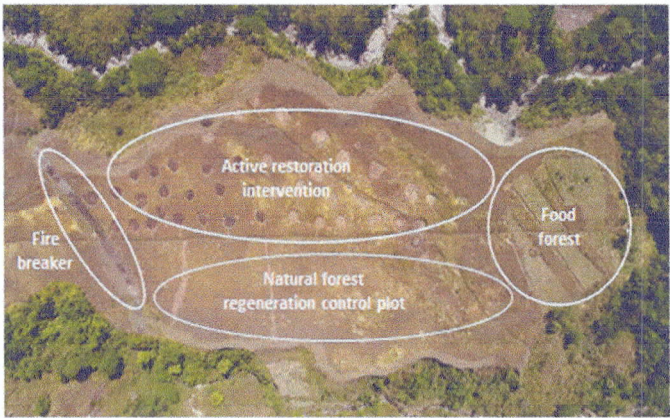


Food production at Station 2
= 623 kgs. from October 2022
to May 2023



2. Presentation of Update of DAF Activities inside the MIBNP

4ha demonstration site on native habitat restoration



More than 700 saplings from more than 20 species found naturally growing on Landing



Planted bananas along the fireline



Added biomass on the forest island mounds

Established tree nursery (collected wildlings and planted seeds)



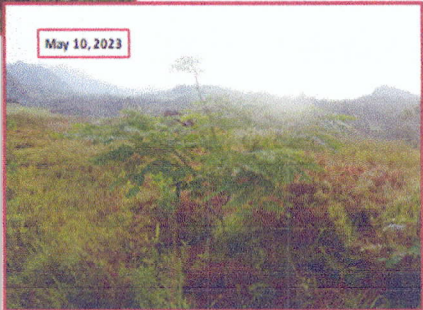
Established tree guilds around naturally growing Anaplas (Albizia procera)

May 29, 2022



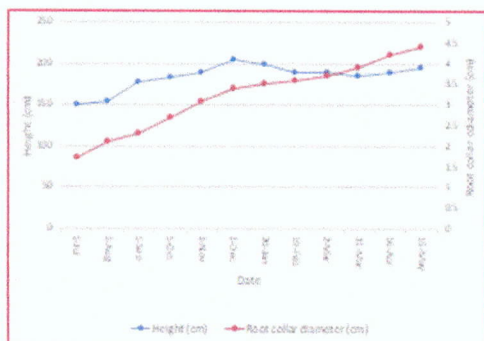
May 29, 2022

May 10, 2023



May 10, 2023

2. Presentation of Update of DAF Activities inside the MIBNP



Survival rate per origin, as of 30 April 2023

Origin	Number planted	Number still alive	Number already dead	Survival Rate per Origin
Biomass	85	54	31	64%
Natural dispersion	207	156	51	75%
Planted-Seed	228	94	134	41%
Planted-Wildling	411	228	183	55%
Totals	931	532	399	57%

31% were planted by nature



List of plants suggested to be used for the Permaculture Based System For Food Production and Habitat Restoration at Station 2 Mts Iglit-Baco Natural Park

Mechanism of discussion and validation for disseminating plants or importing species from outside the Park to be used in the system

List of plants confirmed or suggested to be used for the **Panama Culture Based System for Food Production and Habitat Restoration at Station 2 MBBP**

Category = vegetable, root crop, fruit trees, aromatic, insect repellent...

Status MBBP = **approved** present at Station 2 or nearby communities currently or recent past **performed**/introduced or not and if introduced by whom, possibly export but for evaluation (suggested)

Target location = station 2 facility / Food Bank at landing

Purpose = Direct benefit to project (aquaculture and beneficiaries) = source of food, fuel, diversifying food source, fast growing, easy growing, fertilizer for other species...

English	Latin	Tagalog	Yanchoik	Category	Status MBBP	Target location	Purpose / Direct benefit to project (aquaculture and beneficiaries)	Ecological property / risk	Recommendation
13. Blue pea	Coffea tinctoria	Blue vanilla	Interco	Interco	station 2	sea food and food for pollinators		Interco fragrant annual	Inclusive also
13. Anise	Onosmodium anisodora	Anise	gumbela	Interco	Station 2/landing	sea/land/fish and food for pollinators		annual/plantain plant	
13. Red Vase, Yellow rose	Onosmodium anisodora	Anise	gumbela	Interco	Station 2/landing	sea/land/fish and food for pollinators		annual/plantain plant	
14. Cinnamon	Cinnamomum	Cinnamon	Interco	Interco	Station 2	sea/land/fish and food for pollinators		annual/plantain plant	
14. Citronella	Pogonanthus chinensis	Citronella	Interco	Interco	Station 2	sea/land/fish and food for pollinators		annual/plantain plant	

There are now 128 species in the list

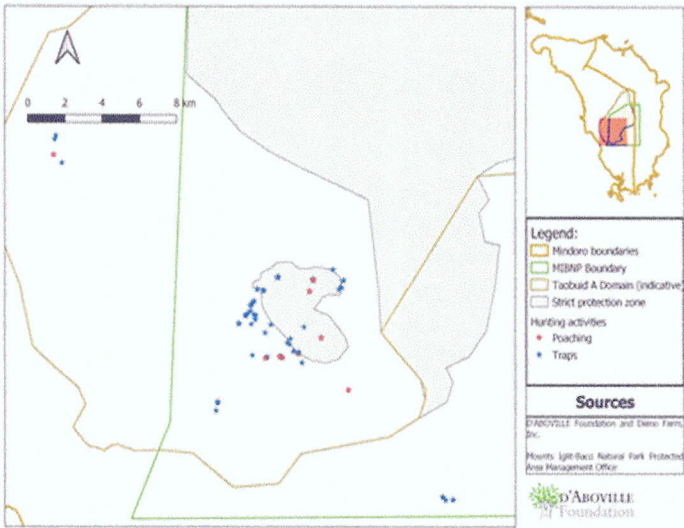
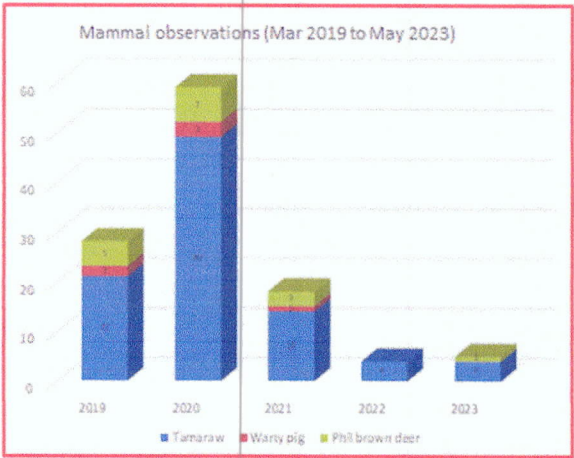
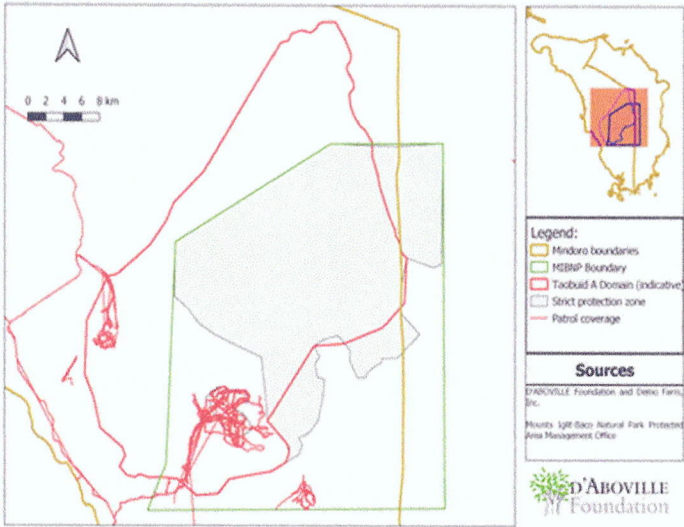
There are now 128 species in the list

3] Wildlife crime prevention and Law Enforcement

- ☐ SMART – started in 2019
- ☐ Data model based on the DENR data model for forest Protection
- ☐ Implementation affected By pandemic and change In leadership in MIBNP PAMO
- ☐ Law Enforcement Forum Module 1 initiated in 2016



2. Presentation of Update of DAF Activities inside the MIBNP



To be started quarter 2, 2023:
Improving effective protection of tamaraw at
MIBNP and across Mindoro

1) Facilitate coordination of multi-agency tamaraw protection	2) Increase frontline protection coverage and effectiveness	3) Feasibility Study for translocations and ex situ breeding.
Law Enforcement Forum	Customized training and skills development of rangers	International FS team with expertise in vet, capture, captive pop management
Thematic workshops: <ul style="list-style-type: none">Wildlife Crime PreventionMulti agency coordinationResource needLaw enforcement	SMART Technology use and deployment	Cycle of consultations and workshops with local stakeholders
	Mobile Action Team	Recommendation report

Activities for 2023 onwards

1. Finalize ethnographic study on Taobuid traditional land use system
2. Work on buy-in of rangers and Taobuid on the permaculture-based initiative at Station 2
3. Complete draft of the Community Conservation Plan (CCP) that includes a section on managing a wider safe zone for the tamaraw
4. Discuss with DENR results of study on alternative monitoring methods and recommendations
5. Support work-plan of actions for improving WCP and Law Enforcement
6. Continue to provide support to the Taobuid CADT application



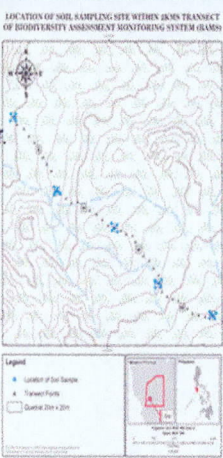
4. Presentation of initial result of BAMS inside MIBNP

BIODIVERSITY ASSESSMENT AND MONITORING SYSTEM

April 28-May 08, 2023

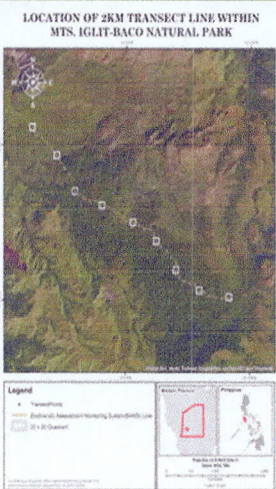
Soil sampling

- A composite soil sample is composed of five samples systematically taken within the plot at a depth of 0-30 cm using a soil auger.
- Soil samples for the laboratory analysis were prepared by crushing the soil clods into smaller particles, spread in properly labeled paper and air-dried for about a month. Soil samples were brought to the laboratory for analysis at Department of Agriculture, Barcinaga Naujan Oriental Mindoro.



Floral Assessment

- The floral survey, which focused on the remaining forest patches of MIBNP, was conducted on 5 to 8 of May 2023.
- The survey team employs a modified belt transect method wherein 9 quadrats (20m x 20m) were laid out along a 2-km transect at every 250m interval.
- Diameter of trees was measured at 1.3m above ground or 10 cm above the tallest buttress if taller than 1.3m.
- Additionally, an opportunistic flora survey involving free walk on different vegetation types and listing and photo documentation of the different species (inside and outside the quadrats) encountered was also carried out to account the maximum possible species in MIBNP.



Collection of Herbarium Species

- These were processed at the end of the survey in order to preserve the specimens prior to identification.
- The Sweinfurth's method (commonly known as "wet collection" method) was employed.
- Each specimen was tagged using proper coding prior to storage. The specimens were then sealed in polyethylene bags for further analysis.



DATA ANALYSIS

- Species Diversity parameters such as total Diversity abundance, species richness, species heterogeneity using Shannon-Weiner diversity index, species evenness using Pielou's evenness index of established plots were calculated using Microsoft Excel 2017.

Importance values were computed using the following formula:

a. Density	=	$\frac{\text{number of individuals}}{\text{area sampled}}$
b. Relative Density	=	$\frac{\text{density for a species}}{\text{total density for all species}} \times 100$
c. Frequency	=	$\frac{\text{number of plots in which species occur}}{\text{total number of plots sampled}}$
d. Relative Frequency	=	$\frac{\text{frequency value for a species}}{\text{total frequency for all species}} \times 100$
e. Dominance	=	$\frac{\text{basal area or volume for a species}}{\text{area sampled}}$
f. Relative Dominance	=	$\frac{\text{dominance for a species}}{\text{total dominance for all species}} \times 100$
g. Importance Value	=	$\text{Relative Density} + \text{Relative Frequency} + \text{Relative Dominance}$

Vertebrate Fauna

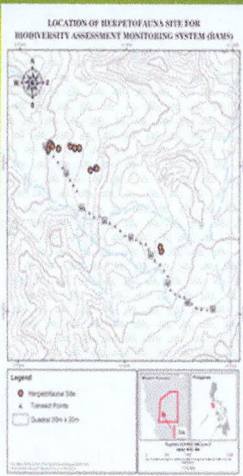
- Terrestrial wildlife assessment was conducted during April 29, 2023- May 04, 2023 with the sampling period coinciding with the dry season.



4. Presentation of initial result of BAMS inside MIBNP

Herpetofauna

- Surveys were conducted during 7:00 to 9:00 both day and night for 4 days (8 sessions) through strip transect sampling and opportunistic catching.
- Ten strip transects measuring 10 x 10 m quadrats covered an area equivalent to 1000 m2.
- All captured specimens were examined carefully and identified with relevant data recorded prior to being released at their original point of capture. Species identification were based on Alcala (1986) and Alcala and Brown (1998).



Avifauna Transect Walk Method

- Avifauna survey was conducted along 2-km transect routes covering forested areas.
- The survey was conducted at a steady pace (30min) between 7:00am and 9:00 am in the morning and 4:30pm to 6:00pm in the late afternoon when most birds are active.



Netting

- Mist nets were monitored from 0500-17 hours at 1-2 hours interval and checked again in the early morning.
- Identified species were tagged, measured, and released at the site of capture. Guide to Philippines birds by Kennedy et. Al was used for the identification.
- Bats were removed at dawn, during net watching and until 2000h. Identification for bats was based on Ingle and Heaney (1992).



Non-volant Mammals

- Cage traps baited with roasted coconut meat covered with peanut butter were set in the late afternoon along possible runways (i.e. along fallen logs, tree buttresses, tree holes, etc).



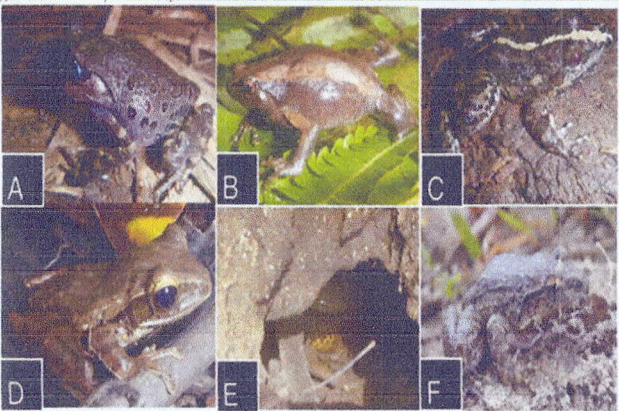
Invertebrate Fauna

- Arthropod collection survey was conducted at the sampling plots along the established 2-km transect which was used also for flora survey.
- Insect net was used to collect specimens and these were placed in glass jar with 80% ethyl alcohol.
- Subsequently, the arthropod specimens collected from the sampling areas were preserved in bottles with 80% ethyl alcohol and were later identified.

Checklist of recorded amphibians and reptiles (Herpetofauna)

Species richness =8
Abundance = 64
Species diversity index (H') = 1.009
Dominance Index = 0.017
Evenness Index = 0.68
Total Mindoro endemic = 1

Species	Common name	Number of Individuals	Residency status	IUCN
<i>Fejervarya vittigera</i>	Luzon Wart Frog	4	Philippine endemic	Least Concern
<i>Kaloula conjuncta</i>	Philippine Narom-mouthed Frog	3	Philippine endemic	Least Concern
<i>Leptobrachium mangyanorum</i>	Mindoro Litter Frog	2	Mindoro endemic	Vulnerable
<i>Limnonectes acanthi</i>	Busuanga wart frog	3	Philippine endemic	Vulnerable
<i>Neja philippinensis</i>	Philippine Cobra	1	Philippine endemic	Near threatened
<i>Platymanis corrugata</i>	Rough-backed Forest Frog	2	Philippine endemic	Least Concern
<i>Polypedates leucomystax</i>	Four-lined Tree Frog	49	Native	Least Concern
<i>Eutropis multicolor</i>	Two-striped Mabouya	1	Philippine endemic	Least Concern



(A) *Leptobrachium mangyanorum*, (B) *Kaloula conjuncta*, (C) *Fejervarya vittigera*, (D) *Polypedates leucomystax*, (E) *Neja philippinensis*, (F) *Limnonectes acanthi*

List of avifauna species with the highest number of recorded individuals in Transect Walk Method

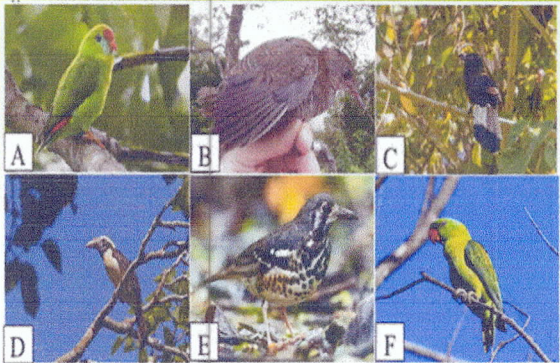
Species	Common name	Number of Individuals	Residency status	IUCN
<i>Hypocypetes philippinus</i>	Philippine bulbul	77	Philippine endemic	Least Concern
<i>Collocalia troglodytes</i>	Pygmy swiftlet	41	Philippine endemic	Least Concern
<i>Phapitreron leucotis</i>	White-eared Brown-dove	32	Philippine endemic	Least Concern
<i>Centropus viridis</i>	Philippine coucal	28	Philippine endemic	Least Concern
<i>Dicrurus balicassius</i>	Balcassiao	27	Philippine endemic	Near threatened
<i>Merops viridis</i>	Blue-throated Bee-eater	26	Philippine endemic	Least Concern
<i>Corvus macrorhynchos</i>	Large-billed crow	23	Resident	Least Concern
<i>Macropygia phasianella</i>	Reddish Cuckoo Dove	19	Resident	Least Concern

4. Presentation of initial result of BAMS inside MIBNP

Species recorded listed in IUCN

Species	Common name	Number of Individuals	Residency status	IUCN
<i>Centropus steerii</i>	Black hooded Coucal	3	Mindoro endemic	Critically endangered
<i>Tarnix suscitator</i>	Barred Buttonquail	1	Philippine endemic	Vulnerable
<i>Tanygnathus lucionensis</i>	Blue naped Parrot	18	Philippine endemic	Near Threatened
<i>Prioniturus verticalis</i>	Blue-winged Racket tail	1	Philippine endemic	Critically endangered
<i>Penelopides mindorensis</i>	Mindoro Hornbill	8	Mindoro endemic	Endangered
<i>Zoothera cinerea</i>	Ashy Ground Thrush	1	Philippine endemic	Vulnerable

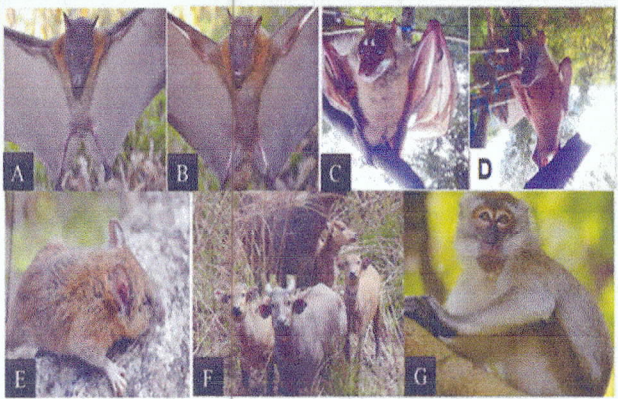
Species richness=51
Zootaxa=496
Species diversity index (H') = 3.27
Dominance Index = 0.06
Evenness Index = 0.56
Total mindoro endemic = 2



(A) *Loriculus philippensis*, (B) *Dryolimnas viridis*, (C) *Centropus steerii*, (D) *Penelopides mindorensis*, (E) *Zoothera cinerea*, (F) *Tanygnathus lucionensis*

List of volant mammals (bats) with the highest number of recorded individuals through netting

Species	Common name	Number of Individuals	Residency status	IUCN
<i>Pteropus jabori</i>	Musky fruit bat	14	Philippine endemic	Least Concern
<i>Cynopterus brachyotis</i>	Common short-nosed fruit bat	22	Native	Least Concern
<i>Haplonycteris fischeri</i>	Philippine pygmy fruit bat	1	Philippine endemic	Least Concern
<i>Eonycteris spelaea</i>	Common nectar bat	1	Native	Least Concern
<i>Rousettus amplexicaudatus</i>	Common rousette	18	Native	Least Concern
<i>Desmalopex leucopterus</i>	Mindoro Pallid Flying Fox	1	Philippine endemic	Least Concern
<i>Spiloteuthis mindorensis</i>	Mindoro stripe faced fruit bat	1	Mindoro endemic	Endangered



(A) *Pteropus jabori*, (B) *Cynopterus brachyotis*, (C) *Spiloteuthis mindorensis*, (D) *Desmalopex leucopterus*, (E) *Apomys musculus*, (F) *Bubalus mindorensis*, (G) *Macaca fascicularis*

Non-volant mammal observed

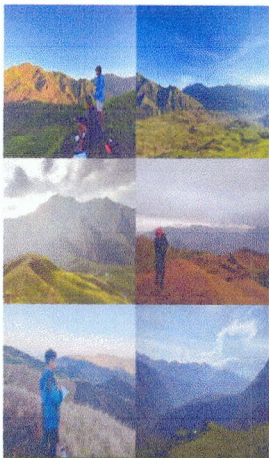
Species	Common name	Number of Individuals	Residency status	IUCN
<i>Apomys musculus</i>	Least Philippine forest mouse	1	Philippine endemic	Least Concern
<i>Rattus mindorensis</i>	Mindoro soft-furred rat	1	Mindoro endemic	Vulnerable
<i>Crocodylus grayi</i>	Luzon shrew	1	Philippine endemic	Least Concern

- Results of Flora Survey I being processed by the consultants hired by MBCFI
- Species list of Arthropods observed is being processed by volunteer intern of BDCor

Updates on the Protected Area Management Plan of MIBNP

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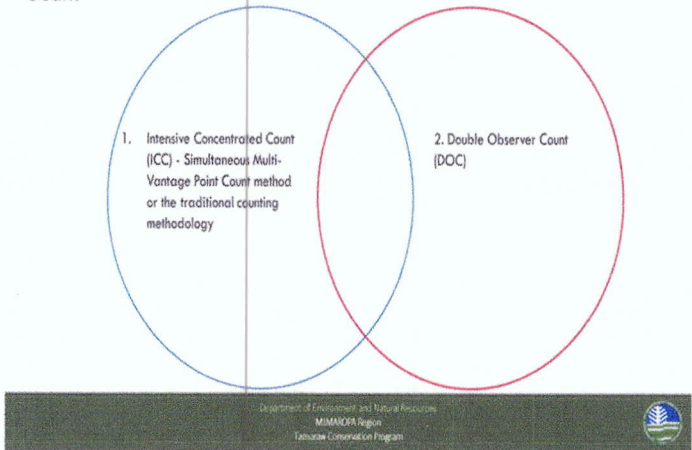
6. Presentation of result Annual Tamaraw Population Count 2023




Result and Findings of Tamaraw Population Count 2023

Department of Environment and Natural Resources
MIMAROPA Region
Tamaraw Conservation Program

Two (2) methodologies were employed in this year's Tamaraw Count



Improvements developed in this year's count method to build confidence for the data gathered, lessen errors and biases




Improved communication

Pre-counting briefing and workshop were also conducted to all participants to discuss and explain the Do's and Don'ts, rules and regulation of PA, schedules, and VP assignment.

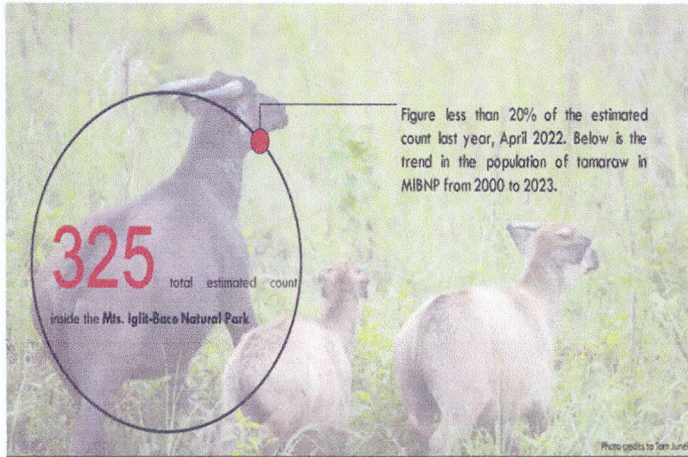
Training and workshop were conducted to fully equip recorder and observer

Sessions were reduced to five (5) observations to reduced the possibility if accumulation of errors and double observation

The number of participants were significantly reduced to about **25%** almost bare minimum to lessen distraction, noises, and congestion during the actual count.



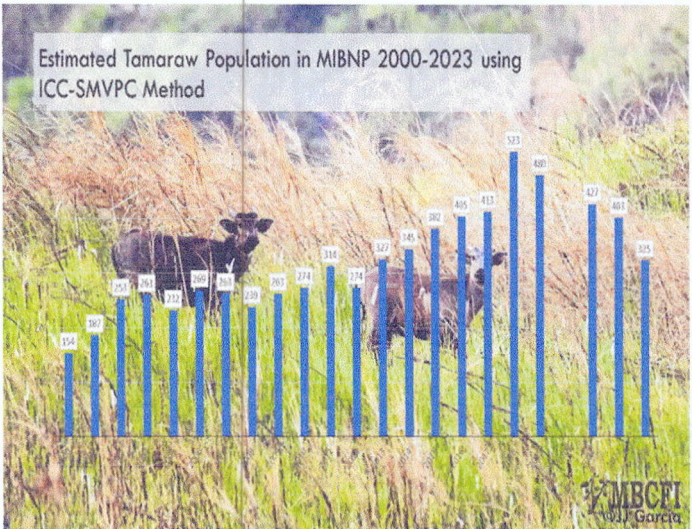
Meal plans were also prepared per camp to avoid the issue of insufficient provisions.



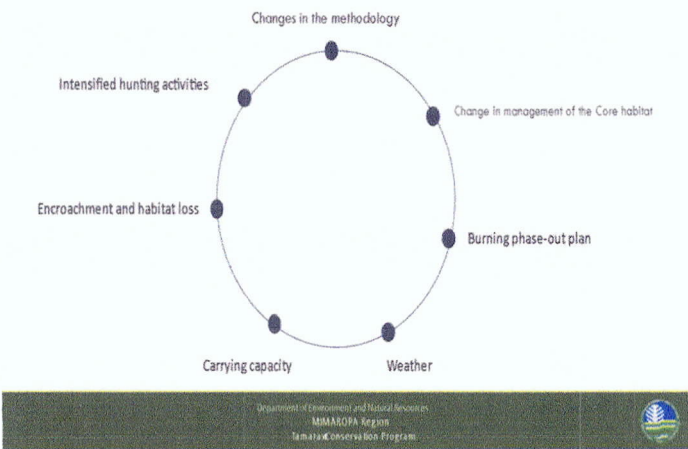
325 total estimated count inside the Mts. Iglit-Baco Natural Park.

Figure less than 20% of the estimated count last year, April 2022. Below is the trend in the population of tamaraw in MIBNP from 2000 to 2023.

Photo credits to Tan Junel



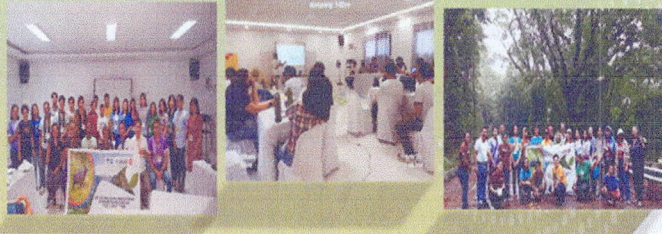
Decline in the population can be attributed to numerous, some of which are:



8. Presentation of update on the conducted Ecotourism Workshop

MTS. IGLIT-BACO NATURAL PARK ECOTOURISM MANAGEMENT PLANNING WORKSHOP

Aroma Family Hotel and Resorts Complex



The Ecotourism Planning and Management in Protected Areas Process

As per DAO 2013-19, Ecotourism Planning and Management in Protected Areas process is divided into four (4) phases namely:

1. Site Assessment
2. Ecotourism Planning
3. Implementation
4. Monitoring and Evaluation



EMP Workshop Objectives:

1. Provide a venue for information sharing and understanding on the current status of MIBNP and its potentials for tourism and economic development;
2. Mainstream ecotourism as one of the important economic drivers among local government units with shared jurisdiction with MIBNP;
3. Facilitate the formulation of preliminary steps (Initial Site Profiling) in the development of comprehensive Ecotourism Management Plan (EMP)
4. To establish ecotourism mechanisms and policies with LGUs and other stakeholders for approval of PAMB in preparation for reopening of the park for ecotourism activities

Resource Persons and Participants

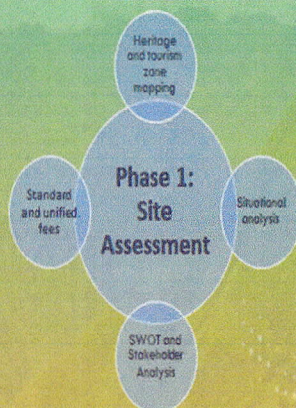
Resource Persons

1. Mt. Hapiguitan Range Wildlife Sanctuary (MHRWS)
2. Apo Reef Natural Park (ARNP)
3. Subic Bay Forest Reserve (SBFR)
4. Occidental Mindoro State College (OMSC)

Participants:

1. Tourism Officers and representatives of LGU Calintao, Sablayan, Rizal, and San Jose (11)
2. IP representatives (2)
3. Occidental Mindoro Provincial Tourism Office representatives (1)
4. CENRO San Jose, Sablayan, and Roxas representatives (4)
5. PENRO Occidental representatives (3)
6. MIBNP PAMO staff (3)
7. Guests (3)

MIBNP Site Assessment



Workshop 1

Focus group discussion for heritage and tourism zone mapping

NATURAL AND CULTURAL RESOURCES:

- Barkong Bato
- Mt. Bitungan (Summit of MIBNP)
- Rivers and Falls
- IP's culture and traditional practices (hunting, social gatherings, foods, and handicrafts)
- Tamaraw
- Landscape (grassland/brushland)
- Warty Pig
- Philippine Brown Deer-grassland and open forest
- Birds (Yellow-vented bulbul, Black Naped Oriole, Brahmany Kite, Large Billed Crow, Copper Smith Barbet, Coleto)
- other endemic flora and fauna species

ACTIVITIES:

- trekking
- camping
- tamaraw and bird watching
- picture taking
- hanging bridge crossing
- river crossing
- hiking
- Interaction with IP communities

Workshop 1

Focus group discussion for heritage and tourism zone mapping

AVAILABLE INFRASTRUCTURES:

- Established trails
- Concrete road
- Hanging bridges
- Ecododge
- TIEZA building
- Multi-purpose halls
- Nurseries
- Solar panels
- Bunkhouse (with rooms and kitchen)
- Comfort rooms

PROFILE OF VISITORS:

- Mountaineers
- Birders
- Wildlife Photographers
- Employees – for monitoring and protection of MIBNP
- Hikers – mountaineering experience, possible sightings of tamaraw
- Conservationists/Researchers – for protection and data gathering

Workshop 2

Situational analysis of identified heritage and ecotourism sites

ENVIRONMENTAL:

- Positive
 - Increased environmental awareness
 - Green infrastructure development
- Negative
 - Possible disturbance to the natural habitat
 - Possible disturbance to the regular movement, and activities in the area
 - Possible disturbance of IP's regular activities
 - Presence of waste in the area left by tourists' visitors
 - Solid waste
 - Land rights issues

SOCIO-ECONOMIC:

- Positive
 - Creation of employment opportunities (porters, guides)
 - Gender, social, economic, and cultural empowerment
 - Boost economic benefits
 - Income generation (Fees)
 - Creation of sustainable livelihood sources
 - Promotion of small local industries products (BDFEs)
- Negative
 - Safety and health associated risks

CULTURAL:

- Positive
 - Share of the IP's in terms of income that will be generated by the ecotourism
 - Cultural awareness and preservation
 - Participation of women in decision making process
- Negative
 - Exploitation of culture
 - Gradual loss of traditional knowledge and practices
 - Alteration of gender roles

8. Presentation of update on the conducted Ecotourism Workshop

Workshop 2

Situational analysis of identified heritage and ecotourism sites

RECOMMENDATIONS TO MITIGATE THE EFFECTS OF ECOTOURISM WITHIN PA:

- Regular patrolling and monitoring
- Additional signages (sacred site, restricted areas, dangerous areas)
- Conduct a study on carrying capacity before opening the area as an ecotourism site
- Active and continuous participation of concerned LGUs, especially Calintaan, Sablayan, Rizal, and San Jose
- Prioritize conservation over infrastructure and economic development
- Strict implementation of park regulations
- Capacity building for employees of LGUs, PAMO, porters, and tour guides who will be involved in the ecotourism services within MIBNP
- Repair and maintenance of infrastructures
- Ensuring safe and convenient facilities (hanging bridge, comfort rooms, and availability of accommodations)
- Improvement of water and electrical systems
- Additional infrastructures
- Collaboration with concerned and interested stakeholders
- Political will and commitment

Workshop 3

SWOT and Stakeholder Analysis of MIBNP

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graph TD; Strength --- MIBNP; Weakness --- MIBNP; Opportunity --- MIBNP; Threats --- MIBNP;
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Workshop 3

Site Assessment 3: SWOT and Stakeholder Analysis

STRENGTH <ul style="list-style-type: none">Recognition as ASEAN Heritage ParkAttractiveDeclared as Natural Parklegally protectedPeople's appreciation of nature and the need to protect itScenic beauty/viewHigh forestPreservation of magnification of Occidental Mindoro wildlife to sustain in its conservation and protectionPresence of rich in nature high biodiversity of the terrestrial ecosystemConducive/healthy environment for local and endemic speciesAffordable package tourAvailability of infrastructureFree from the disease of modern cultureEducationalPotential to become a major ecotourism destination	WEAKNESS <ul style="list-style-type: none">Absence of the development plan for tourism infrastructureInsufficient tourism infrastructureLack of human resources (PAMO)Lack of proper skills and training to provide high standards of tourism servicesPoor little maintenance of available infrastructures and other amenitiesExisting business belong to the informal economyUncontrolled productsLack of cultural and historical documentationDelayed approval of PAMO regulationsInconsistency in effectiveness of PAMO members for effective and efficient management of the parkAccessibilityCritical habitat for the survival of endemic speciesLack of drinking waterOpen lands for the growing population of TamarauCultural misunderstanding among ethnic groupsLack of study in carrying capacityLack of homogenous relationships with other stakeholdersConflict of laws (NIPRA & IPRA)	OPPORTUNITIES <ul style="list-style-type: none">Availability of tourism products and activitiesDevelopment of high-value tourism products (IP coffee)IP village tourAvailability of funding sourcesPromotional efforts of DOT through TTBConvergence of DOT & DPAH for mass developmentPartners from TIEA, other National and international agenciesStrong support of DOT MMAROWSupport of DA for organic farmingFinancial and technical support from various agenciesClean/green energy optionDrafting of the Provincial Tourism PlanAccessibilityProposed entry point in SablayanUniqueness with CDO'sEmployment and livelihoodsPromotion conservation and preservationHigh worthy to be discoveredUse of social media for promotionSocial media influencers and video producers help to public awarenessResearch and educationCultural endorsement due to the presence of Mangyan tribesSubject for further studies and researchCandidate for UNESCO Heritage Site	THREATS <ul style="list-style-type: none">Fire and over-intelligenceSecurity and safetyMisinformationLack of rules, regulations, penalty to prevent irresponsible behavior of employees as well the touristsUnavailability of resourcesIllegal activitiesUnsanitary tourism activities/ practicesIncreased in solid wastesDrug and substanceChild laborWater, air, and water pollutionIllegal fishingCompetition for opportunitiesClimate changeMass and forest firesSpill of diseasesUnsustainable land and resource useSeparation of farm lots and residential areaLack of funding and resources for park management to long-term sustainabilityDecline of local traditions and cultureExhaustion of IP, women, and childrenDepletion of fundsNo pathway for entry into IP communities within PA
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Workshop 4

Site Assessment 4: Standard and unified fees

PROPOSED FEES

Environmental Fee:

- For Filipino visitors
 - Adults - 100
 - Students - 20
 - PWD and Children below 7 - 0
- For Foreigners - 200

Cultural Fee:

- For Filipino visitors
 - Adults - 50
 - Students - 10
 - PWD and Children below 7 - 0
- For Foreigners - 100

Entrance Fee:

- Adults - 70
- Students - 20
- PWD and Children below 7 - 0
- For Foreigners - 700

Entry Fee:

- For Filipino visitors
 - Adults - 500
 - Students - 400
 - PWD and Children below 7 - 400
 - For Foreigners - 700

Concerned Stakeholder	Fee	Amount (Php)	%
UGU	Environmental Fee	200.00	15
IP (Tubud, Buh, and Bongan) community	Cultural Fee	50.00	7
PAMO	Entrance and User's Fee	530.00	78
	TOTAL	680	100

*Based on regular fees

*Booking and collection of fees from tourists/visitors traveling to Station 1-up to Summit will be handled by LGU Calintaan via the MTO; booking and collection of fees from tourists and visitors traveling to Terrestrial Game Pool Farm will be handled by the PAMO.

Workshop 4

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Thank you!

12. Other issues and concern inside Protected Area



Republic of the Philippines
Department of Environment and Natural Resources
MILAROPA Region
Protected Area Management Office
Mounts Iglit-Baco Natural Park
San Roque, San Jose, Occidental Mindoro



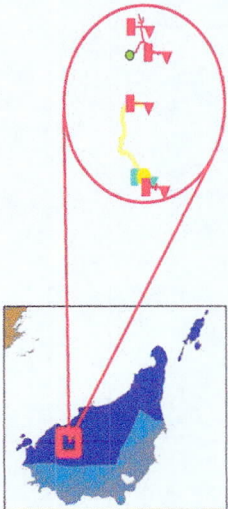
MAP SHOWING
THE LOCATION OF ROAD CONSTRUCTION
AT BRGY. POYPOY AND
SO. BATO SINGIT BRGY. MANOOT

SCALE : 1:45,000

0 550 100 2,200 3,300 4,400

Meters

Coordinate System: WGS 1984 UTM Zone 51N
Projection: Universal Transverse Mercator
Datum: WGS 1984
Unit: Meter



Legend

- Schools
- So. Bato Singit to Lanaban Road
- Poypoy Road
- MIBNP Boundary

Prepared by:
MARIO BENEDICTO S. SALVIO
GIS Operator

Verified by:
EUGENE S. SECRETO
GIS Focal/ GIS Chief

Attested by:
HECTOR S. ARAGONES, JR.
PA Superintendent

Photos taken during the conduct of Second Quarter Regular PAMB Meeting of MIBNP on June 06, 2023



**Photos taken during the conduct of Second Quarter Regular
PAMB Meeting of MIBNP on June 06, 2023**



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