



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

Scanned 12-5-23

Document Routing Slip

Document Number: I-2023-121685 **Date Endocded:** 03-Nov-2023

Sender: Manuel B. Romero-The OIC, Sibuyan Sub-Station and PASu, MGGNP

Address: Magdiwang, Romblon

Subject: Memorandum dated September 18, 2023 re: Report on the conduct of impact monitoring of ecotourism activities in MGGNP for 2nd semester 2023

Addressee: The OIC-PENR Officer

Attachment(s): 1.5 cm thick of documents

Urgent: No; received by Mariel Layson-Tayco

Date Received: 03-Nov-2023

| ROUTING AND ACTION INFORMATION | | | | |
|--------------------------------|---------------|--------------------------|---------------|---|
| FROM | DATE RECEIVED | FOR/TO | DATE RELEASED | ACCEPTANCE REMARKS/ACTION REQUIRED/TAKEN REMARKS/STATUS |
| OP | 2023-11-03 | OFFICE-PENRO (OP) MSD | | Date: 2023-11-03 Status: IN From: leianegracemgan Message: Forwarded to the Chief-MSD Sir Thelmo S. Hernandez, In Charge-OPENRO for his info and instructions, please. Thank you. 10:30:46 |
| | 11/03/2023 | T80 | 11/03/2023 | Chief CCS for. II Sheila Pls. indorse to P.O. file. Furnish the PEXRO Planning. Thanks, g |
| | 06 NOV 2023 | for. Sheila Chief CCS | NOV 06 2023 | OUT |
| | NOV 21 2023 | 11-7-2023 10:56 AM | | for A/Action as instructed. thanks # For release, please. Tayco 8 |



November 13, 2023

MEMORANDUM

FOR : **FELIX S. MIRASOL, JR., CESO IV**
OIC Regional Executive Director
DENR MIMAROPA Region
1515 L&S Bldg., Roxas Blvd., Ermita, Manila

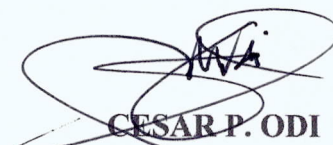
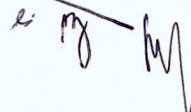
THRU : **MAXIMO C. LANDRITO**
The OIC, Assistant Regional Director
For Technical Services

FROM : **The OIC, PENR Officer**
DENR Odiongan, Romblon
Odiongan, Romblon

SUBJECT : **REPORT ON THE CONDUCT OF IMPACT MONITORING OF
ECOTOURISM ACTIVITIES IN MT. GUITING-GUITING
NATURAL PARK FOR 2ND SEMESTER CY 2023**

Respectfully submitting the attached report with pertinent documents on the conduct of Impact Monitoring of Ecotourism Activities in Mt. Guiting-Guiting Natural Park for 2nd Semester CY 2023.

For information and record.


CESAR P. ODI




September 18, 2023

MEMORANDUM

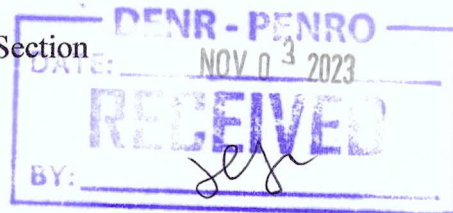
FOR : The PENR Officer
Odiongan, Romblon

THRU : The Chief, Conservation and Development Section
Odiongan, Romblon

ATT'N: The Chief for Planning and ICT Section

FROM : The OIC, Sibuyan Sub-station
& Concurrent PASu, MGGNP

SUBJECT : **REPORT ON THE CONDUCT OF IMPACT MONITORING OF
ECOTOURISM ACTIVITIES IN MT. GUITING-GUITING
NATURAL PARK FOR 2st SEMESTER 2023**



Respectfully submitting the report on the conduct of impact monitoring of ecotourism activities in Mt. Guiting-Guiting Natural Park.

On August 31, 2023 the team gathered data on Socio-economic survey of Mt. Guiting-Guiting Guides and Porters Associations in So. Olango, Brgy. España, San Fernando Romblon. And on September 11, 2023 similar activity gathered data on Socio-economic survey of Mt. Guiting-Guiting Guides and Porters Associations, Tricycle Driver and the Lodging House Facility involved in all tourist site visited within the Municipality of Magdiwang, Romblon.

Using Trail Resource Assessment and Monitoring System (TRAMS) form for terrestrial resources Forest Technician II Orlando M. Rada, Forest Technician I Ludito M. Rada, Forest Ranger Mark Adonis Romero, Park Rangers Ryan Role and Allan Eduard Acot. FPO Jose Manzana, conducted Trail Resource Assessment and Monitoring System (TRAMS) from Brgy. Tampayan to Summit trail on September 5-8, 2023, FT-I Ludito Rada, FR Mark Adonis Romero and FPO Jose Manzana conducted similar activity on October 8-10, 2023 at So. Olango to Camp 3 of So. Olango. Brgy. España, trail.

The following were attached to this report:

- Report on the conduct of impact monitoring of ecotourism activities in Mt. Guiting-Guiting Natural Park for 2st semester 2023;
- Consolidated of Socio-economic survey;
- Trail Assessment Monitoring System Field Diary with pictures.
- Accomplishment report of Mt. Guiting-Guiting Natural Park Impact Monitoring of ecotourism activities prepared by Mark Adonis Romero with pictures and grid map.
- Map showing the impact monitoring of ecotourism activities in MGGNP trail.

For information and record.


MANUEL B. ROMERO



**REPORT ON THE CONDUCT OF IMPACT MONITORING OF ECOTOURISM
ACTIVITIES IN MT. GUITING-GUITING NATURAL PARK
FOR 2ST SEMESTER 2023**

I. BRIEF BACKGROUND

Mt. Guiting-Guiting towering to a height of 2,058 meters above sea level is known for the densest forest ever recorded in the Philippines and probably in the world of 1,551 trees of 10 cm. above diameter per hectare and dubbed as the “Galapagos of Asia” by the natural scientist. It is home to about 700 species of plants, 180 of which are endemic to the Philippines, 54 of this is native to Sibuyan. Out of 9 species of frogs in Sibuyan, 3 are endemic to the Philippines (1 new record-*Platymantis lawtoni*). Twenty-five (25) species of reptiles, 9 of which are new records. Two (2) are possible new species (blind snake and gecko). There are 20 species of bats (2 new records) found in Sibuyan, of which one is endemic in Sibuyan –*Haplonycteris sp.* and another is the endangered-Philippine tube-nosed fruit bat-*Nyctimene rabori*. There is only 1 species of monkey in Sibuyan (Long-tailed macaque-*Macaca fascicularis*). There are 5 genera of rodents found only in Sibuyan and declared as critically endangered (Sibuyan Greater forest mouse – *Apomys spp. A*, Lesser Sibuyan forest mouse –*Apomys sp. C*, Sibuyan Giant moss mouse – *Tarsomys spp. A*, Sibuyan Striped shrew rat –*Crotomys sibuyanensis*, Sibuyan Shrew rat *Crocidura ninoyi*). There are 2 species of civet cat found in Sibuyan. *Sus sp.* is the only species of wild pig in Sibuyan. Eighteen (18) species of endemic Arachnida (spider) found in Sibuyan. There are 130 species of birds in Sibuyan Island, 102 of these are endemic in the island and 29 of these are migratory. Because of its high biodiversity, Mt. Guiting-Guiting has been declared a Natural Park by His Excellency Fedil V. Ramos under Proclamation NO. 746 on 20 February 1996 and legislated by His Excellency Rodrigo Roa Duterte under Republic Act 11030 known as Expanded National Integrated Protected Areas System Act of 2018 on 22 June 2018. The terrestrial reserve area of 15,515.22 hectares known as the MT. GUITING-GUITING NATURAL PARK is to be protected and conserved in a sustainable basis. On CY 2002 Mt. Guiting-Guiting was featured by Phil. Postal Corporation in the International Year of the Mountain.

The Biodiversity Management Bureau (BMB) issued Technical Bulletin No. 2014-03 dated December 15, 2014 to prescribe the tools for monitoring the impact of ecotourism activities being implemented by DENR pursuant to DENR Administrative Order No. 2013-19, *Guidelines on Ecotourism Planning and Management in Protected Areas* and the National Ecotourism Strategy. The recommended tools were developed by the DENR in collaboration with recognized experts and institutions and have been tried and tested in several DENR program and projects. On CY 2023 one of the target activities of Mt. Guiting-Guiting Natural Park management is conduct of impact monitoring of ecotourism activities under ecotourism development program.

Mt. Guiting-Guiting has been identified as one of the 8 sites included in the National Integrated Protected Areas Programme (NIPAP), a special project of the DENR supported by a grant from the European Union amounting to P22 M. The project which started early on CY 1997 aims to preserve and manage protected areas in a sustainable basis. The project was formally turned-over to the Government of the Philippines thru the DENR on February 22, 2004 during PAMB meeting. The park is managed by the Protected Area Management Board (PAMB) duly supervised by Biodiversity Management Bureau (BMB), DENR Regional Office IV MIMAROPA thru the PENR Office and Sibuyan Sub-station and Protected Area Management Office of Mt. Guiting-Guiting Natural Park headed by the Protected Area Superintendent (PASu) as chief operation DENR officer in the site and directly responsible to the PAMB and the RED pursuant to R.A. 7586 known as NIPAS Act of 1992.



In 1982 the Tampayan to Mayo's Peak trail was established by 21 members of UP mountaineers and in 1983 the team continue the establishment of trail from Mayo's Peak to Summit. There guide is Bulod and Rene Reta. There were five (5) mountaineers first reach the Summit, this include Edwin Gatia, Ramoncito Ruiz, Regie Pablo, "Bobot" and Kim. The Tampayan to Summit back to Tampayan trail was opened to mountaineers on CY 2000. On CY 2009 the trail from Tampayan exit to Olango was used by mountaineers who wants extreme experience and this trail is considered as the most difficult climb because mountaineers are carrying their bags while traversing Knife Edge, Kiss the Wall, Deception Peak and 90 degrees wall to Summit. On April 1999 the trail from Olango to Crash site was established by Remy Robiso and Valentin Regla and on May 1999 the trail from Crash site to Remvaldely's Peak Camp was established by the following: Remy Robiso as leader, Valentin Regla, Ely Mutia, Domingo Rosas and Andy Regla, a year after 2000 the trail to Summit was connected by Remy Robiso with his guide from So. Layag, Taclobo. Remy Robiso become the organizer of mountaineers who wants to climb Mt. Guiting-Guiting using Olango to Summit exit to Tampayan trail starting CY 2001. laborer and store owners.

1. Resource Monitoring (for Visitors Impact)

Using Trail Resource Assessment and Monitoring System (TRAMS) form for terrestrial resources FFT-II Orlando Rada, FT-I Ludito Rada, Forest Rangers Mark Adonis Romero, Park Rangers Ryan Role and Allan Eduard Acot and FPO Jose Manzana conducted Trail Resource Assessment and Monitoring System (TRAMS) on September 5, 2023 to September 8, 2023 in Tampayan to Summit trail. In Tampayan trail a total of Seven (7) 5x5 m grid monitoring sampling site (3 in So. Logdeck, Tampayan, Camp 1, 2, 3 and Mayo's Peak). In Olango trail establishment of monitoring site was started from Camp 1 to Camp 3. A total of five (5) 5x5 m. grid monitoring sampling site conducted by Forest Technician I Ludito Rada, Forest Ranger Mark Adonis Romero and Forest Protection Officer Jose Manzana. The data gathered after the conducted Trail Assesment Monitoring in Tampayan to summit trail.

II. DATA ANALYSIS

A. Socio-economic survey

There are forty-one (41) respondents participated in the monitoring of ecotourism activity of Mt. Guiting-Guiting Natural Park-Sibuyan Island Romblon were coming from the municipality of Magdiwang (42.1%) and San Fernando (48.9%). They have an average of 3-4 (47.7%) household member in the family, majority of the respondents were male (98.5%) ranging from 31-5 years old (52.3%), single (21.9%) and undergo in a formal education like High School (29.2%), College (12.1%), and Elementary (58.5%).

Their common occupation were farmers (58.5%), guide and portering services (29.2%), hired as construction workers/laborers (9.7%), fisherman (12.1%), electrician (2.4%), and driver (19.5%) of motor vehicle with an average of 10,000.00 and below, ₱15,001.00–₱ 20,000.00 (6.8%), ₱ 20,001.00–₱ 25,000.00 (4.5%), ₱ 10,001.00–₱ 15,000 (2.3%) and ₱ 30,001.00 and above monthly earnings.

Majority of them were born-resident (90.2%) of the island and have their knowledge about the place that pass through the years from their friend/relatives (39.2%), marriages (26.8%), for being born-resident (7.3%) and being part employment (4.8%). The friend and relatives (9.7%) including their family (27.3%) and property (26.8%) were the great factors for staying in the island for almost 31 years and above (75.6%). Majority of them belong the ethnic group of Visaya (70.7%), which spoke both Tagalog and Visaya (29.2%).



Their sources of income and way of life in the locality were farming, guide and portering services (100%), fishing (12.19%), business (4.87 %), and animal husbandry (9.75%). Most of them stayed in the land they owned (41.46%), lease (24.39%) and as tenant (19.51 %). In some case, they also make living and catches marine resources through their motorized boat (9.75%), Bangka (9.75%), nets (2.43%), and other fishing technique like spear fishing, multiple hand lines. Domestication of their owned chicken (79.5%), pigs (24.3%), carabao (4.8%), ducks and cattle (11.36%) were also part of their day to day activities. I vv

Each of them owned a house (68.29%), some shared with their relative (14.63%), rented (2.43%), and few are house caretaker (4.87%), which made of combination of concrete/wood/GI roof (7.31%), nipa hut/cogon (26.8%), concrete/cement (12.19%) and wood/bamboo with GI roof (39.2%). They also acquired furniture/appliances like bed (100.0%), television (51.2%), refrigerator (9.75%), cabinets/aparador (14.63%), gas stove (12.19%), VCD/DVD players (14.63%) sala set (29.26%), transistor radio (12.19%), and dinning set (14.63%) for their convenience, beautification, comfort and security. In addition, they used firewood (60.97%), charcoal (24.39%), and LPG (29.26%) to cook their dishes. While the main source of energy was outsourced from the local electric distributor for their electricity (90.24%) but some also used kerosene lamp and petroleum/gas operated (2.43%) for lightning.

To ensure their health and well-being, the flush type (12.19%) and water sealed toilet (53.65%) were widely used toilet. While their houses were connected to a spring (97.56%), some built their deep wells (2.43%) and elevated using water pumps (2.43%) going to their respective open tank (4.5%) to catch their water resources.

Based on the 2st semester statistical report of Protected Area Management Office, the income generated from mountaineering 67.37% (P412, 500.00), resource users fee 32.67% (P 200,000.00) and sightseeing 0.09% (P 540.00) from July 1, 2023 to September 2023 have reach to a total of Seventy-four thousand seven hundred fifty (P74,750.00) pesos. Meanwhile, the earnings of guide/porter derived from mountaineering is estimated amount of Six Hundred Twelve Thousand Pesos (P612, 000.00) that caters to Eight Hundred Sixteen (816) visitors with 40 female and 110 male from Sibuyanon (7), Romblon resident (27), non-Romblon resident (768) and Foreign (14).

B. Resource Monitoring (for Visitors Impact)

The elevation level usually differs in each sampling sites, and Olango to Summit trail in all 1-5 sampling sites were approximately 1meter width, 2-6 inches trail depth and up to 1-3 inches litter depth. Loam soil was the prominent soil texture in all sampling site while largest tree diameter-at-breast-height can be found in sampling site 2 with 25 cm DBH at 1,042 meters above sea level. Due to stiff slopes, no bodies of water/streams found within. The installed signage was present in all destined campsites and there are signs of negative visitor impact like illegally widened campsite, garbage, wipes, human waste, plastics and removal of some vegetation.

The presence of damaged and peeled trees, pandan and melastoma due to natural calamities were observed. Trail has installed rappel but did not use by the mountaineers for security reasons. Shrubs, vines, lianas, mosses and ferns were the plants that can be found in all sampling sites. The occurrence of animals like turtle, lizard, and insects sighted in camp 1 but the most notable is the existence of frogs (*Platymantis sp*) in sampling site camp 2 to 5. The common infrastructure were the designated camp sites and the largest is the secret garden in summit measuring 20 square meters with adjacent view deck. There was no recorded new and invasive species within the established sampling sites.

On the other hand, the Tampayan trail is the traditional way to reach the summit which usually took three (3) days of hike. The elevation also varies in sampling sites from 10 meters to 1,548



meters above sea level at Mayo's peak. The weather is fine during the time of monitoring and the trail is normally 1 meter to 3 meters width, depth of 1 inch to 3 inches, and 1 cm litter depth with loam and clay soil texture. A 39 cm was highest tree diameter-at-breast height recorded in sampling site number 4 at camp 1 with elevation of 374 meters. Signage were installed in the designated camp site and trail to avoid mislaid and awareness of mountaineers. The signs of negative visitor impact were the observance of garbage, plastics, wipes and unpleasant scent of human feces due to unavailability of compost rooms. Natural calamities were also the factors that causes the falling of trees and other damages. This is a solo trail with tree roots and logs that crosses a body of water (Gaong river). A total of six (6) Monitoring site were established within the Mt. Guiting-guiting Natural Park Official Mountaineering trail a total of six (6) 5x5 meter grid where constructed as sampling plot and Named Monitoring Site from Camp I to Mayo's Peak.

The direct and indirect presence of plants and animals in all sampling site like algae, shrubs, vines and lianas as well as insects, butterflies, birds, palm civet cat, frogs, eagles, and forest crabs were the indicators of a good health ecosystem. Species of fungi like mold and mushrooms observed and the existence of designated camp site 1 to 3 and the only comfort room in Mayo's peak was damaged and nonfunctional.

III.COMMENTS/RECOMMENDATIONS

In view on the conduct of Trail Resource Assessment Monitoring System the personnel must be physically fit to climb to the Summit of Mt. Guiting-Guiting Natural Park. To compensate the effort of personnel on monitoring activities per diems and hardship allowance are requested even Tampayan to Summit trail is within Magdiwang area.

A post-peak season climb will also be conducted by the team to record the changes and trends in the ecotourism activities in Mt. Guiting-Guiting Natural Park.

The following are attachments of this report:

- Report on the conduct of impact monitoring of ecotourism activities in Mt. Guiting-Guiting Natural Park for 2st semester 2023;
- Consolidated of Socio-economic survey;
- Trail Assessment Monitoring System Field Diary with pictures.
- Accomplishment report of Mt. Guiting-Guiting Natural Park Impact Monitoring of ecotourism activities prepared by Forest Ranger Mark Adonis Romero with pictures and grid map.
- Map showing the impact monitoring of ecotourism activities in MGGNP trail.

For information and record.

Prepared by:

MARK ADONIS G. ROMERO
Forest Ranger

Reviewed by:

NIEVES F. PENULIAR
Ecosystem Management Specialist I

Noted:

MANUEL B. ROMERO
OIC, Sibuyan Sub-Station and
Concurrent PASu of MGGNP

CONDUCT OF TRAIL RESOURCE ASSESSMENT MONITORING SYSTEM TO MONITOR THE IMPACT OF ECOTOURISM ACTIVITIES IN MT. GUITING-GUITING NATURAL PARK ON SEPTEMBER 5-8, 2023

Monitoring site No. : 01
Name of Site : "Camp 1 Tampayan trail"
Location : Tampayan, Magdiwang, Romblon

FT-II Orlando Rada, FT-I Ludito Rada, FR Mark Adonis Romero, Park Ranger Ryan Role, Park Ranger Allan Acot and FPO Jose Manzana



CONDUCT OF TRAIL RESOURCE ASSESSMENT MONITORING SYSTEM TO MONITOR THE IMPACT OF ECOTOURISM ACTIVITIES IN MT. GUITING-GUITING NATURAL PARK ON SEPTEMBER 5-8, 2023

Monitoring site No. : 02
Name of Site : "Camp 2 Tampayan trail"
Location : Tampayan, Magdiwang, Romblon

FT-II Orlando Rada, FT-I Ludito Rada, FR Mark Adonis Romero, Park Ranger Ryan Role, Park Ranger Allan Acot and FPO Jose Manzana



CONDUCT OF TRAIL RESOURCE ASSESSMENT MONITORING SYSTEM TO MONITOR THE IMPACT OF ECOTOURISM ACTIVITIES IN MT. GUITING-GUITING NATURAL PARK ON SEPTEMBER 5-8, 2023

Monitoring site No. : 03
Name of Site : “Camp 3 Tampayan trail”
Location : Tampayan, Magdiwang, Romblon

FT-II Orlando Rada, FT-I Ludito Rada, FR Mark Adonis Romero, Park Ranger Ryan Role, Park Ranger Allan Acot and FPO Jose Manzana



Trail from Camp 3 with 2 inches depth and 1 meter wide

CONDUCT OF TRAIL RESOURCE ASSESSMENT MONITORING SYSTEM TO MONITOR THE IMPACT OF ECOTOURISM ACTIVITIES IN MT. GUITING-GUITING NATURAL PARK ON SEPTEMBER 5-8, 2023

Monitoring site No. : 04
Name of Site : "Mayos Peak"
Location : Tampayan, Magdiwang, Romblon

FT-II Orlando Rada, FT-I Ludito Rada, FR Mark Adonis Romero, Park Ranger Ryan Role, Park Ranger Allan Acot and FPO Jose Manzana



CONDUCT OF TRAIL RESOURCE ASSESSMENT MONITORING SYSTEM TO MONITOR THE IMPACT OF ECOTOURISM ACTIVITIES IN MT. GUITING-GUITING NATURAL PARK ON SEPTEMBER 5-8, 2023



About 5x5 meters Camp previously cleared camp site within Mayos Peak



CONDUCT OF TRAIL RESOURCE ASSESSMENT MONITORING SYSTEM TO MONITOR THE IMPACT OF ECOTOURISM ACTIVITIES IN MT. GUITING-GUITING NATURAL PARK ON SEPTEMBER 5-8, 2023

Monitoring site No. : 08
Name of Site : “Deception Peak”
Location : Tampayan, Magdiwang, Romblon

FT-I Ludito Rada, FR Mark Adonis Romero, Park Ranger Ryan Role, Park Ranger Allan Acot and FPO Jose Manzana



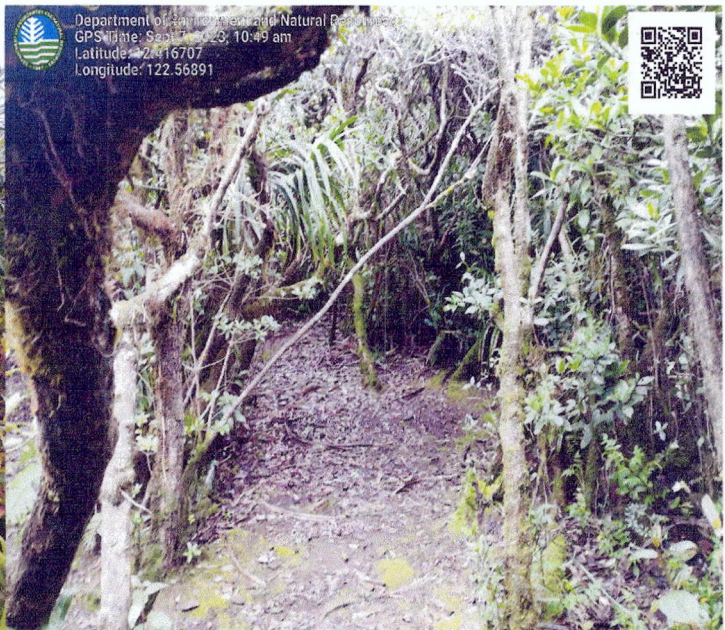
2 inches depth with 1 meter wide of trail



Slope and rocky Trail down from the “Deception peak” with 3 inches depth with 1.5meter-wide of trail

CONDUCT OF TRAIL RESOURCE ASSESSMENT MONITORING SYSTEM TO MONITOR THE IMPACT OF ECOTOURISM ACTIVITIES IN MT. GUITING-GUITING NATURAL PARK ON SEPTEMBER 5-8, 2023

Monitoring site No. : 09
Name of Site : SECRET GARDEN
Location : Tampayan, Magdiwang, Romblon



About 20 meters Camp site “Secret Garden” but it was restricted to be use, only for emergency cases only.

CONDUCT OF TRAIL RESOURCE ASSESSMENT MONITORING SYSTEM TO MONITOR THE IMPACT OF ECOTOURISM ACTIVITIES IN MT. GUITING-GUITING NATURAL PARK ON SEPTEMBER 5-8, 2023

SOME OBSERVATIONS IN MONITORING SITES DURING ASSESSMENT

Monitoring site No. : 10
Name of Site : MGGNP Summit
Location : Center of Sibuyan Island (Municipality of Cajidiocan, Magdiwang and San Fernando)

The Welcome to MGGNP Summit Signage.

FT-I Ludito Rada, Forest Ranger Mark adonis Romero, Park Ranger Allan Acot, Park Ranger Ryan Role and Forest Protection Officer Jose Manzana “Summit serve as view to see whole island of Sibuyan” The measurement of Summit is 7 x 4 meters cleared area.



CONDUCT OF TRAIL RESOURCE ASSESSMENT MONITORING SYSTEM TO MONITOR THE IMPACT OF ECOTOURISM ACTIVITIES IN MT. GUITING-GUITING NATURAL PARK ON SEPTEMBER 5-8, 2023

“View deck” served as view and picnic area of the mountaineers

FT-II Orlando Rada, (wearing white t-shirt) FT-I Ludito Rada (2nd from the right side), FR Mark Adonis Romero (wearing violet t-shirt 1st from the left side), PR Ryan Role (3rd from the left side), PR Allan Acot (front) and FPO Jose Manzana (3rd from the left side)



Department of Environment and Natural Resources
GPS Time: Sept 8, 2023, 06:23 am
Latitude: 12.429365
Longitude: 122.557736





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

Socio Demographic Profile

| A. Demographic Information | | | |
|----------------------------|-----------|---------|------|
| Municipality | Frequency | Percent | Rank |
| Magdiwang | 18 | 43.90 | 2 |
| San Fernando | 23 | 56.01 | 1 |
| Cajidiocan | 0 | 0 | 3 |
| Total | 41 | 100.0 | |
| 1. Family Composition | Frequency | Percent | Rank |
| 1-2 | 6 | 14.6 | 3 |
| 3-4 | 14 | 47.7 | 1 |
| 5-6 | 13 | 27.3 | 2 |
| 7-8 | 7 | 4.5 | 4 |
| 9-10 | 1 | 2.3 | 5 |
| Total | 41 | 100.0 | |
| Sex | Frequency | Percent | Rank |
| Male | 40 | 97.6 | 1 |
| Female | 1 | 2.4 | 2 |
| Total | 41 | 100.0 | |
| Age | Frequency | Percent | Rank |
| 0-18 | | | |
| 19-30 | 16 | 39.0 | 1 |
| 31-45 | 12 | 29.3 | 2 |
| 46-60 | 10 | 24.4 | 3 |
| 61 And Above | 3 | 7.3 | 4 |
| Total | 41 | 100.0 | |
| Civil Status | Frequency | Percent | Rank |
| Single | 9 | 22.0 | 2 |
| Married | 32 | 78.0 | 1 |
| Total | 41 | 100.0 | |
| Educational Attainment | Frequency | Percent | Rank |
| Elementary | 24 | 58.5 | 3 |
| High School | 12 | 29.3 | 1 |
| College | 5 | 12.2 | 2 |
| Total | 41 | 100.0 | |



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| Occupation | Frequency | Percent | Rank |
|-----------------------------------|-----------|---------|------|
| Guide And Porter | 12 | 29.3 | 2 |
| Farmer | 27 | 65.9 | 1 |
| Fisherman | 5 | 12.2 | 4 |
| Laborer/Skilled Worker | 4 | 9.8 | 5.5 |
| Electrician | 1 | 2.4 | 5.5 |
| Driver | 8 | 19.5 | 3 |
| Monthly Income | Frequency | Percent | Rank |
| 10,000 And Below | 39 | 95.1 | 1 |
| 10,0001-15,000 | 0 | 0 | 3 |
| 15,001-20,000 | 0 | 0 | 4 |
| 20,0001-25,000 | 0 | 0 | 5 |
| 30,0001 And Above | 2 | 4.9 | 2 |
| Total | 41 | 100.0 | |
| Mobility Pattern | Frequency | Percent | Rank |
| Born-Resident | 38 | 92.7 | 1 |
| Migrant | 3 | 7.3 | 2 |
| Total | 41 | 100.0 | |
| How Did You Get To Know The Place | Frequency | Percent | Rank |
| Marriage | 13 | 31.7 | 2 |
| Friend/Relatives | 25 | 61.0 | 1 |
| Employment | 3 | 7.3 | 3 |
| Born-Resident | 0 | 0 | 4 |
| Total | 41 | 100.0 | |
| Reasons For Staying In The Area | Frequency | Percent | Rank |
| Marriage | 3 | 7.3 | 4 |
| Land/Property | 10 | 24.4 | 2 |
| Friend/Relatives | 6 | 14.6 | 3 |
| Others | 22 | 53.7 | 1 |
| Total | 41 | 100.0 | |
| Length Of Stay In The Area | Frequency | Percent | Rank |
| 0-10 Years | 3 | 0 | 4 |
| 11-20 Years | 9 | 9.1 | 3 |



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| | | | |
|-------------------|----|-------|---|
| 21-30 Years | 14 | 20.5 | 2 |
| 31 And Above Year | 15 | 70.5 | 1 |
| Total | 41 | 100.0 | |

| Ethnic Group | Frequency | Percent | Rank |
|--------------|-----------|---------|------|
| Tagalog | 14 | 34.1 | 2 |
| Visaya | 27 | 65.9 | 1 |
| Total | 41 | 100.0 | |

| Language/Dialect Spoken | Frequency | Percent | Rank |
|-------------------------|-----------|---------|------|
| Tagalog | 10 | 24.4 | 2 |
| Visaya | 27 | 65.9 | 1 |
| Both Tagalog And Visaya | 4 | 9.7 | 3 |
| Total | 41 | 100.0 | |

B. Economic Data

| 1. Main Source Of Income | Frequency | Percent | Rank |
|---------------------------|-----------|---------|------|
| Fishing | 5 | 12.2 | 3 |
| Farming | 27 | 65.9 | 1 |
| Animal Husbandry | 2 | 4.9 | 4.5 |
| Business | 2 | 4.9 | 4.5 |
| Others (Guide And Porter) | 21 | 51.2 | 2 |

2. Property Ownership

| 2.1 Land | Frequency | Percent | Rank |
|----------------------|-----------|---------|------|
| Owned | 23 | 56.1 | 1 |
| Not Owned But Leased | 10 | 24.4 | 2 |
| Tenant | 8 | 19.5 | 3 |
| Total | 41 | | |

| 2.2 Fishing Gear | Frequency | Percent | Rank |
|---------------------------------|-----------|---------|------|
| Motorized Boat | 4 | 9.8 | 1.5 |
| Bangka | 4 | 9.8 | 1.5 |
| Nets | 1 | 2.4 | 2 |
| Other (Spear Fishing, Handline) | 4 | 9.8 | 1.5 |

| 2.3 Animals Owned | Frequency | Percent | Rank |
|-------------------|-----------|---------|------|
| Carabao | 2 | 4.9 | 6 |
| Cattle | 9 | 22.0 | 5 |
| Chickens | 30 | 73.3 | 2 |
| Ducks | 33 | 80.5 | 1 |



Republic of the Philippines
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| | | | |
|-------|----|------|---|
| Pigs | 10 | 24.4 | 4 |
| Goats | 12 | 29.3 | 3 |

**3. Housing Amenities Within
The Area**

| 3.1 House | Frequency | Percent | Rank |
|------------------|------------------|----------------|-------------|
| Owned | 28 | 68.3 | 1 |
| Caretaker | 6 | 14.6 | 2.5 |
| Rented | 1 | 2.4 | 3 |
| Shared | 6 | 14.6 | 2.5 |
| Total | 41 | 100.0 | |

| 3.2 Housing Materials | Frequency | Percent | Rank |
|---|------------------|----------------|-------------|
| Nipa Hut/Cogon | 11 | 26.8 | 2 |
| Concrete Cement | 8 | 19.5 | 3 |
| Wood/Bamboo With GI Roof | 16 | 39.0 | 1 |
| Combination Of Concrete/Wood/GI Roof | 6 | 14.6 | 4 |
| Total | 41 | 100.0 | |

| 3.3 Furniture/Appliances Acquired | Frequency | Percent | Rank |
|--|------------------|----------------|-------------|
| Transistor Radio | 5 | 12.2 | 6.5 |
| Gas Stove | 5 | 12.2 | 6.5 |
| Flat Iron | 4 | 9.8 | 9 |
| Dining Set | 6 | 14.6 | 5.5 |
| VCD/DVD Player | 3 | 7.3 | 7 |
| Sala Set | 12 | 29.3 | 3 |
| Cabinets/Aparador | 6 | 14.6 | 5.5 |
| Bed | 41 | 100.00 | 1 |
| Television | 21 | 51.2 | 2 |
| Refrigerator | 11 | 26.8 | 4 |

| 3.4 Cooking Fuel | Frequency | Percent | Rank |
|-------------------------|------------------|----------------|-------------|
| LPG | 9 | 22.0 | 2 |
| Kerosene | 1 | 2.4 | 4 |
| Firewood | 24 | 58.5 | 1 |
| Charcoal | 7 | 17.1 | 3 |

| 3.5 Lightning Facilities | Frequency | Percent | Rank |
|---------------------------------|------------------|----------------|-------------|
|---------------------------------|------------------|----------------|-------------|



Republic of the Philippines
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| | | | |
|--------------------------------------|----|-------|-----|
| Electricity | 32 | 90.91 | 1 |
| Generator-Operated | 1 | 0.00 | 3.5 |
| Kerosene Lamp | 1 | 6.82 | 3.5 |
| Petromax/Gas-Operated | 1 | 2.27 | 3.5 |
| Other specify (flashlight/head lamp) | 5 | 12.2 | 2 |

| | | | |
|--------------------------|-----------|---------|------|
| 4. Health And Sanitation | | | |
| 4.1 Toilet Facility | Frequency | Percent | Rank |
| Antipolo Type | 14 | 34.1 | 2 |
| Flush Type | 5 | 12.2 | 3 |
| Water Sealed | 22 | 53.7 | 1 |
| No Toilet | 0 | 0 | |
| Total | 41 | 100.0 | |
| 4.2 Potable Water | Frequency | Percent | Rank |
| Spring | 40 | 97.6 | 1 |
| Water Pump | 0 | 0 | |
| Deep Well | 1 | 2.4 | 2 |
| Open Tank | 0 | 0 | |
| Total | 44 | 100.0 | |



FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

Monitoring Site No. 1

| | |
|---|---|
| Date Established | 5-Sep-2023 |
| Time | 8:15 AM |
| Name of Evaluator(s) | FT-II Orlando Rada, FT-I Ludito Rada, FR Mark Adonis Romero, PR Allan Eduard Acot, PR Ryan Role, FPO Jose Manzana |
| Name of Protected Area | Mt. Guiting-Guiting Natural Park |
| Name of Trail | Tampayan Trail |
| Monitoring Site Location | So. Logdeet, Tampayan, Magdiwang, Romblon |
| GPS Coordinates | 12.482481 N, 122.54948 E |
| Altitude (masl) | 10m |
| Weather | Fine weather |
| Trail width | 3m |
| Depth of litter (cm) | 1 cm |
| Soil type | Loam |
| Signages Installed | "This way to Camp 1" |
| Signs of Negative Impact | None |
| Signs of Damage from Natural calamities | None |
| Trail type | Soil trail |
| Plants Presents | Algae, Shrubs, vines & lianas |
| Aniam Presents | Insects, Doves/Pigeons, other birds |
| Indirect Signs of Animal Presence | None |
| Fungi Present | Molds, Mushrooms |
| Infrastructure | None |
| Utilities | None |

Monitoring Site No. 2

| | |
|---|--|
| Date Established | 08-Sep-2023 |
| Time | 10:25am |
| Name of Evaluator(s) | FT-II Orlando Rada, FT-I Ludito Rada, FR Mark Adonis Romero, PR Allan Eduard Acot, PR Ryan Role & FPO Jose Manzana |
| Name of Protected Area | Mt. Guiting-Guiting Natural Park |
| Name of Trail | Tampayan Trail |
| Monitoring Site Location | "Welcome Sign & Camp 1" |
| GPS Coordinates | 12.457102 N, 122.545306 E |
| Altitude (masl) | 374 meters |
| Weather | Fine weather |
| Trail width | 1-2 meters |
| Depth of litter (cm) | 1 cm |
| Soil type | Loam |
| DBH of largest tree (m) | 39cm x 3m |
| Signages Installed | 1 "Camp Site" |
| Signs of Negative Impact | None |
| Signs of Damage from Natural calamities | Fallen trees |
| Trail type | Soil Trail, Trail of Logs, Trail with roots, Trail with vertical climb |
| Plants Presents | |



FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

| | |
|-----------------------------------|-------------------------|
| Aniam Presents | Insects, Other Birds |
| Indirect Signs of Animal Presence | None |
| Fungi Present | None |
| Infrastructure | Campsite/camping ground |

Monitoring Site No. 3

| | |
|---|--|
| Date Establsihed | 8-Sep-2023 |
| Time | 9:22 AM |
| Name of Evaluator(s) | FT-II Orlando Rada, FT-I Ludito Rada, FR Mark Adonis Romero, PR Allan Eduard Acot, PR Ryan Role & FPO Jose Manzana |
| Name of Protected Area | Mt. Guiting-Guiting Natural Park |
| Name of Trail | Tampayan Trail |
| Monitoring Site Location | Tampayan trail "Camp 2" |
| GPS Coordinates | 12.447422 N 122.549512 E |
| Altitude (masl) | 758 meters |
| Weather | Fine weather |
| Trail width | 1 meters |
| Depth of litter (cm) | 1 cm |
| Soil type | Loam |
| DBH of largest tree (m) | 22cm x 7m |
| Signages Installed | "Welcome sign & Camp Site" |
| Signs of Negative Impact | None |
| Signs of Damage from Natural calamities | Fallen trees |
| Trail type | Soil Trail, Trail of Logs, Trail with roots, Trail with vertical climb |
| Plants Presents | Shurbs |
| Aniam Presents | Insects, Other Birds |
| Indirect Signs of Animal Presence | Butterflies |
| Fungi Present | Molds, Mushrooms |
| Infrastructure | Campsite/camping ground |
| Utilities | None |

Monitoring Site No. 4

| | |
|--------------------------|---|
| Date Establsihed | 08-Sep-2023 |
| Time | 8:20 AM |
| Name of Evaluator(s) | FT-II Orlando Rada, Ft-I Ludito Rada, FR Mark Adonis Romero, PR Allan Eduard Acot, PR Ryan Role |
| Name of Protected Area | Mt. Guiting-Guiting Natural Park |
| Name of Trail | Tampayan Trail |
| Monitoring Site Location | Tampayan trail "Camp 3" |
| GPS Coordinates | 12.433715 N, 122.554217 E |
| Altitude (masl) | 1,287 meters |
| Weather | Fine weather |
| Trail width | 1 meters |
| Depth of litter (cm) | 1 cm |
| Soil type | Loam |
| DBH of largest tree (m) | 25cm x 1.5m |
| Signages Installed | "Camp Site" (Sign Damaged) |



FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

| | |
|---|--------------------------------------|
| Signs of Negative Impact | Garbages like plastics and wipes |
| Signs of Damage from Natural calamities | None |
| Trail type | Soil Trail, Trail with roots |
| Plants Presents | Algae, Herbs, Shrubs, Vines & Lianas |
| Aniam Presents | Birds (Alimukon) & Palm Civet |
| Indirect Signs of Animal Presence | Scartch markings |
| Fungi Present | Molds, Mushrooms |
| Infrastructure | Campsite/camping ground |
| Utilities | None |

Monitoring Site No. 5

| | |
|---|---|
| Date Establsihed | 06-Sep-2023 |
| Time | 4:07PM |
| Name of Evaluator(s) | FT-II Orlando Rada, FT-I Ludito Rada, FR Mark Adonis Romero, PR Allan Eduard Acot, PR Ryan Rolan & FPO Jose Manzana |
| Name of Protected Area | Mt. Guiting-Guiting Natural Park |
| Name of Trail | Tampayan Trail |
| Monitoring Site Location | “Mayo’s Peak” |
| GPS Coordinates | 12.429396 N, 122.557532 E |
| Altitude (masl) | 1,548 meters |
| Weather | Fine weather |
| Trail width | 1 meters |
| Depth of litter (cm) | None |
| Soil type | Clay |
| DBH of largest tree (m) | 22cm x 7m |
| Signages Installed | “Welcome Sign & Camp Site” |
| Signs of Negative Impact | None |
| Signs of Damage from Natural calamities | None |
| Trail type | Soil Trail, Trail with roots, Trail with vertical climb |
| Plants Presents | Algae, Vines & Lianas |
| Aniam Presents | Insects, Amphibians, Eagles, Forest Crabs |
| Indirect Signs of Animal Presence | Foot prints |
| Fungi Present | Molds |
| Infrastructure | Campsite/camping ground |
| Utilities | CR damaged |



FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

Monitoring Site No. 6

| | |
|---|---|
| Date Establsihed | 07-Sep-2023 |
| Time | 11:43 AM |
| Name of Evaluator(s) | FT-II Orlando Rada, FT-I Ludito Rada,FR Mark Adonis Romero, PR Allan Eduard Acot, PR Ryan Role & FPO Jose Manzana |
| Name of Protected Area | Mt. Guiting-Guiting Natural Park |
| Name of Trail | Tampayan Trail |
| Monitoring Site Location | “Deception Peak” |
| GPS Coordinates | 12.419954 N, 122.567357 E |
| Altitude (masl) | 1, meters |
| Weather | Fair |
| Trail width | 1 meters |
| Depth of litter (cm) | None |
| Soil type | Clay |
| DBH of largest tree (m) | 22cm x 7m |
| Signages Installed | “Welcome Sign”(Detached) |
| Signs of Negative Impact | None |
| Signs of Damage from Natural calamities | None |
| Trail type | Soil Trail, Trail with roots, Trail with vertical climb |
| Plants Presents | Algae, Vines & Lianas |
| Aniam Presents | Insects, Amphibians, Eagles, Forest Crabs |
| Indirect Signs of Animal Presence | Foot prints |
| Fungi Present | Molds |
| Infrastructure | Campsite/camping ground |
| Utilities | None |

Monitoring Site No. 07

| | |
|---|---|
| Date of Assessment | 07-Sep-2023 |
| Time | 10:32am. |
| Name of Evaluator(s) | FT-II Orlando Rada, FT-I Ludito Rada, FR Mark Adonis Romero, PR Allan Acot, PR Ryan Role and FPO Jose Manzana |
| Name of Protected Area | Mt. Guiting-Guiting Natural Park |
| Name of Trail | Tampayan Trail to Summit |
| Monitoring Site Location | Center of the Municipality of Magdiwang, Cajidiocan and San Fernando “Summit” |
| GPS Coordinates | 12.416351 N, 122.573322 E |
| Altitude (masl) | 2,113 m asl. |
| Weather | Fair |
| Trail width (m) | 1.5meter |
| Trail/Camp Depth (in) | 4 inches |
| Depth of leaf litter (cm) | --- |
| Soil type | Loam |
| Diameter-at –Breast –Height (dbh) of largest tree (m) | 3 cm. |
| Stream width (m) water | |
| Depth (m) | N/A |
| Water Velocity (m/s) | N/A |

FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

Monitoring Site No. 01

| | |
|---|--|
| Date of Assessment | 8-Sep-2023 |
| Time | 6:30 pm. |
| Name of Evaluator(s) | FT-I Ludito Rada, FR Mark Adonis Romero & FPO Jose Manzana |
| Name of Protected Area | Mt. Guiting-Guiting Natural Park |
| Name of Trail | Olango Trail |
| Monitoring Site Location | “Camp 1” |
| GPS Coordinates | 12.40372 N, 122.5399 E |
| Altitude (masl) | 652 m. asl. |
| Weather | Fair |
| Trail width (m) | 1 meter |
| Trail/Camp Depth (in) | 2 inches |
| Depth of leaf litter (cm) | 1 cm. |
| Soil type | Loam |
| Diameter-at –Breast –Height (dbh) of largest tree (m) | 12 cm. dbh. |
| Stream width (m) water | N/A |
| Depth (m) | N/A |
| Water Velocity (m/s) | N/A |

Figure 9. Map showing SAMPLING AREA established within the Olango trail Camp 1 of MGGNP

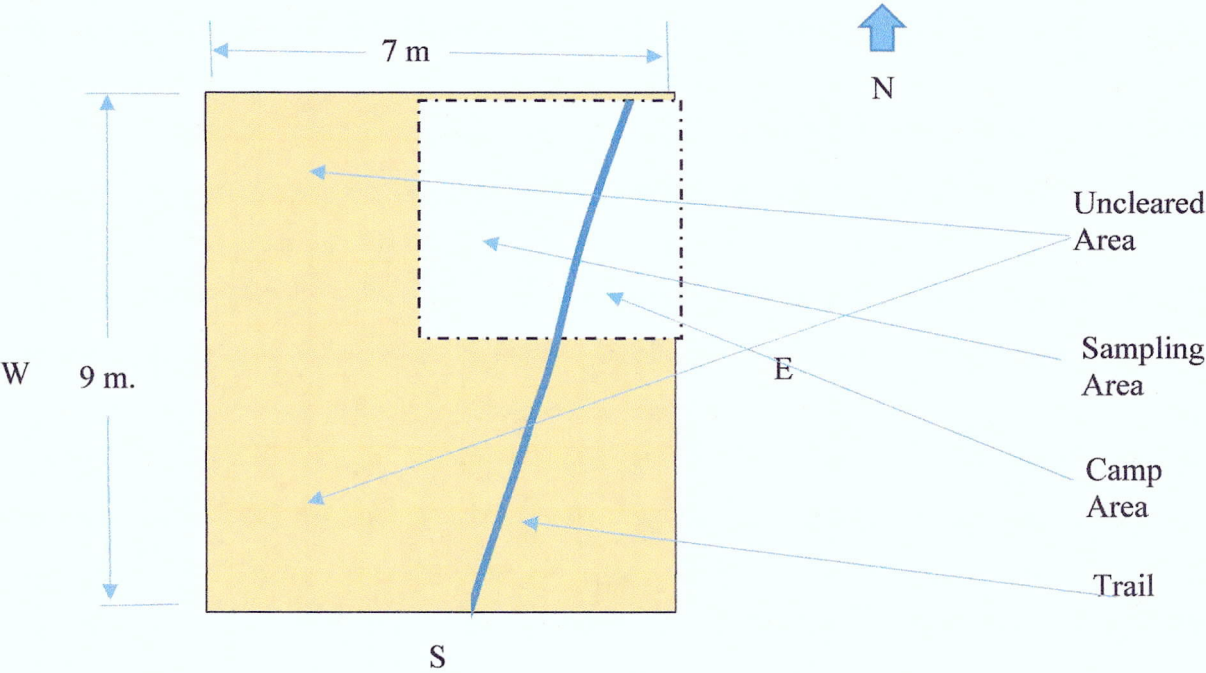
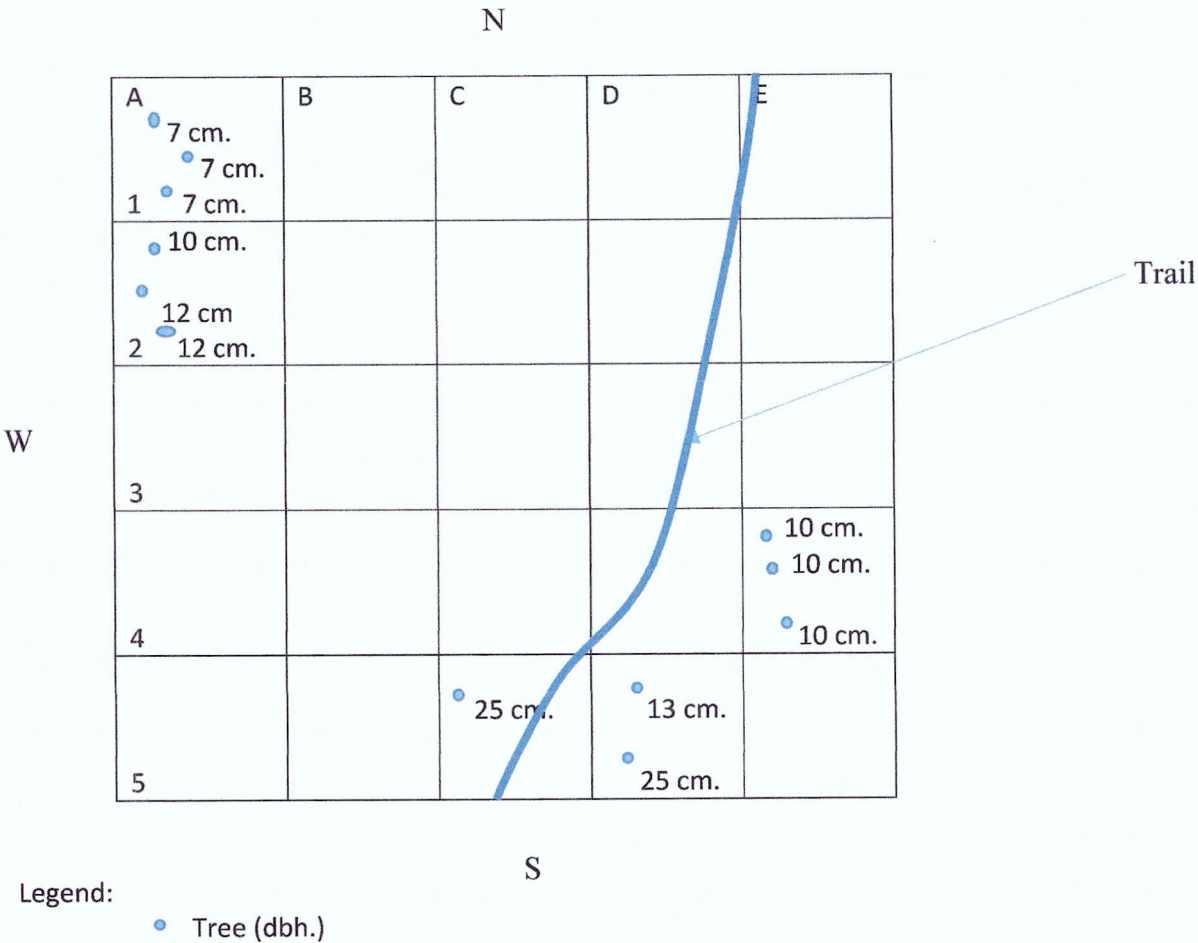


Figure 10. SAMPLING AREA IN THE OLANGO TRAIL CAMP 1 OF MGGNP



| | | |
|-------------------------------------|----------------------------|-----------------------------------|
| Photography Checklist | | |
| [Check Mark] | Item | Remarks |
| 1. Signage | | |
| | Welcome sign | "Welcome to "Camp 1 Olango Trail" |
| | Rules and regulation sign | None |
| | "parking/no parking" | N/A |
| | "beware of falling rocks" | None |
| | "slippery when wet" | None |
| | "do not remove vegetation" | None |
| | "no smoking" | None |
| | "campsite" | "Welcome to "Camp 1 Olango Trail" |
| | "viewdeck/picnic area" | None |
| | Other signage: _____ | None |
| 2. Signs of Negative Visitor impact | | |
| | Graffiti | None |

FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

| | | |
|--|--------------------------------|-----------|
| | Tree/rock carving | None |
| | Burnt vegetation | None |
| | Removal of moss patches | None |
| | Removal of vegetation | None |
| | Garbage | None |
| | Widelined trails newly | None |
| | Cut trails | None |
| | Other signs: _____ | None |
| 3. Signs of Damage from Natural Calamities | | |
| | Fallen trees | None |
| | Flooded/landslide areas | None |
| | Widened waterways dried | None |
| | Out waterways | None |
| | Burnt vegetation | None |
| | Cracks on the ground | None |
| | Others: _____ | None |
| 4. Trail type | | |
| | Cemented trail | N/A |
| | Stone slab trail | N/A |
| | Gravel trail | N/A |
| | Soil trail | Yes |
| | Trail of logs | N/A |
| | Trail with tree roots | N/A |
| | Trail with vertical climb | N/A |
| | Trail with rappel | N/A |
| | Trail with cliff-side traverse | N/A |
| | Trail crossing a body of water | N/A |
| | Others: _____ | None |
| 5. Plants Present | | |
| | Algae | None |
| | Lichen | None |
| | Bryophytes (mosses) | None |
| | Epiphytes | Presence |
| | Pteridophytes (ferns) | None |
| | Herbs | None |
| | Shrubs | Presence. |
| | Vines and lianas | Presence |
| | Gymnosperm trees | None |
| | Angiosperm trees | None |
| | Others: _____ | None |
| 6. Animals Present | | |
| | Arachnids | None |
| | Insects | |
| | Crustaceans | N/A |
| | Mollusks | None |
| | Annelids | None |
| | Fishes | N/A |
| | Amphibians | None |
| | Turtle lizards | None |

FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

| | | |
|---------------------------------------|---------------------------|--|
| | Snakes | None |
| | Migratory birds | None |
| | Eagles/hawks/falcons/owls | None |
| | Doves/pigeons | None |
| | Parrots/cockatoos | None |
| | Hornbills | None |
| | Other birds | None |
| | Flying mammals | None |
| | Non-flying mammals | None |
| | Others: _____ | None |
| 7. Indirect Signs of Animals Presence | | |
| | Animal carcass/road kill | None |
| | Footprints | None |
| | Feces | None |
| | Scratch markings | None |
| | Webs | None |
| | Cocoons | None |
| | Eggs | None |
| | Exoskeleton casr-offs | None |
| | Bird nests | None |
| | Frog foam nests | None |
| | Mollusk shells | None |
| | Others: _____ | None |
| 8. Fungi Present | | |
| | Molds | None |
| | Mushrooms | None |
| | Cup fungi | None |
| | Jelly fungi | None |
| | Bracket fungi | None |
| | Others: _____ | None |
| 9. Infrastructure | | |
| | Registration station | None |
| | Comfort rooms | None |
| | Latrines | None |
| | Campsite/camping grounds | Measured 9 x 7 meters wide camp site. Olango Camp 1. |
| | Picnic huts/tables | None |
| | Benches | None |
| | Trash bins | N/A |
| | View deck | N/A |
| | Others: _____ | None |
| 10. Utilities | | |
| | Deep wells | N/A |
| | Water lines | N/A |
| | Outdoor faucets | N/A |
| | Electricity lines | N/A |
| | Electric plug | N/A |
| | Electricity Lightning | N/A |
| | Others: _____ | N/A |

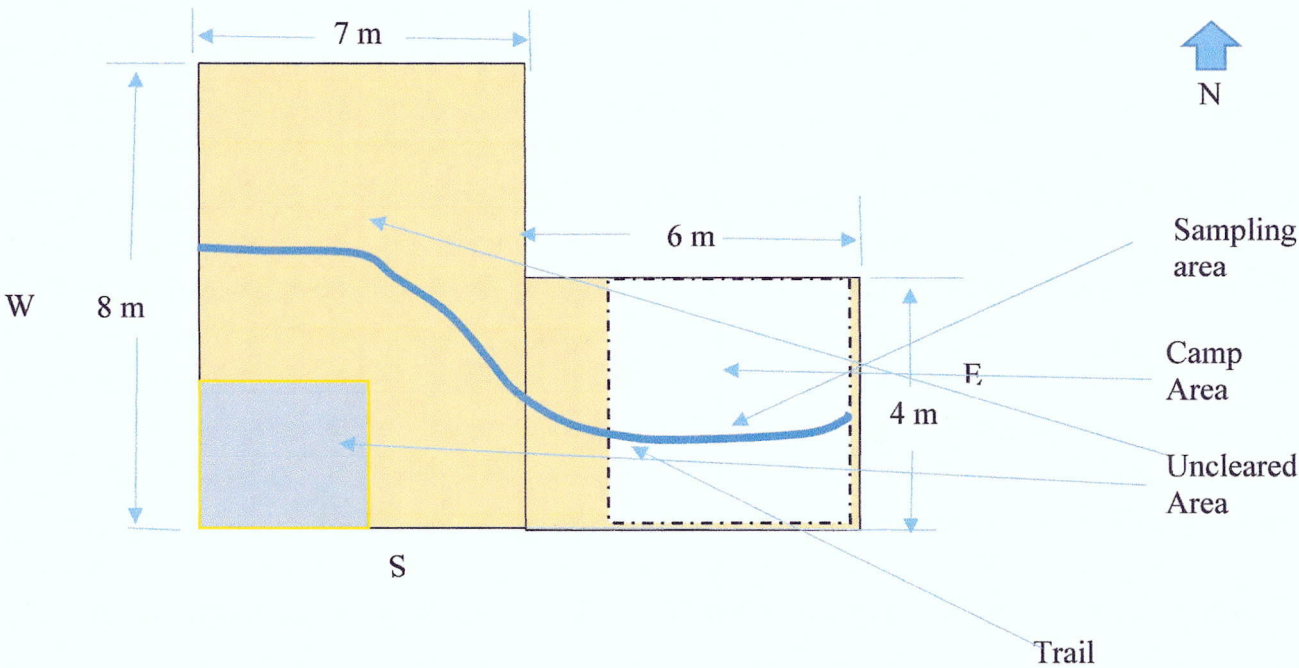
FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

Monitoring Site No. 02

| | |
|---|--|
| Date of Assessment | 08-Sep-2023 |
| Time | 8:10am. |
| Name of Evaluator(s) | FT-I Ludito Rada, FR Mark Adonis Romero & FPO Jose Manzana |
| Name of Protected Area | Mt. Guiting-Guiting Natural Park |
| Name of Trail | Olango Trail |
| Monitoring Site Location | "Camp 2" |
| GPS Coordinates | 12.40791 N, 122.55009 E |
| Altitude (masl) | 987 m. asl. |
| Weather | Fair |
| Trail width (m) | 1 meter |
| Trail/Camp Depth (in) | 3 inches |
| Depth of leaf litter (cm) | 3 cm. |
| Soil type | Loam |
| Diameter-at -Breast -Height (dbh) of largest tree (m) | 25 cm. dbh. |
| Stream width (m) water | N/A |
| Depth (m) | N/A |
| Water Velocity (m/s) | N/A |

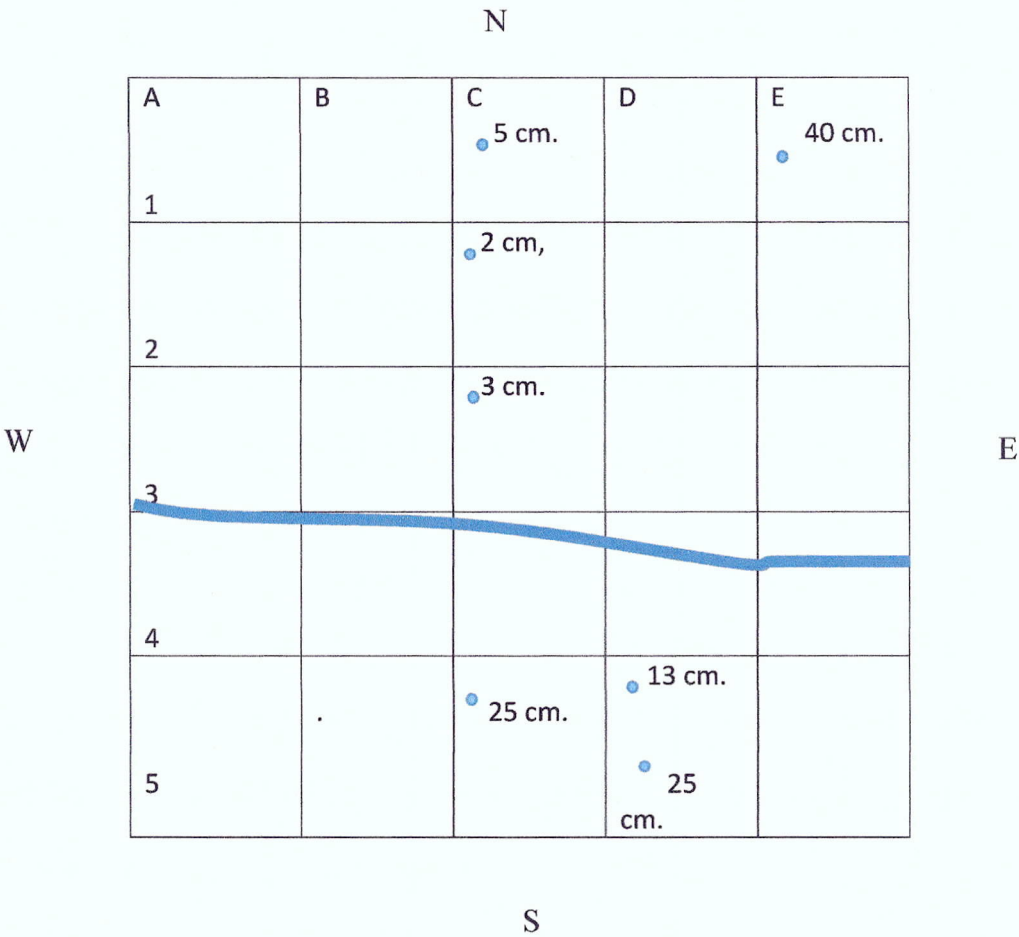
Figure 7. Map showing SAMPLING AREA established within the Olango trail Camp 2 of MGGNP



FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

Figure 8. SAMPLING AREA IN THE OLANGO TRAIL CAMP 2 OF MGGNP



Legend:

- Tree (dbh.)

| | | |
|-------------------------------------|----------------------------|-----------------------------------|
| Photography Checklist | | |
| [Check Mark] | Item | Remarks |
| 1. Signage | | |
| | Welcome sign | "Welcome to "Camp 2 Olango Trail" |
| | Rules and regulation sign | None |
| | "parking/no parking" | N/A |
| | "beware of falling rocks" | None |
| | "slippery when wet" | None |
| | "do not remove vegetation" | None |
| | "no smoking" | None |
| | "campsite" | "Welcome to "Camp 2 Olango Trail" |
| | "viewdeck/picnic area" | None |
| | Other signage: _____ | None |
| 2. Signs of Negative Visitor impact | | |

FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

| | | |
|--|--------------------------------|-------------------------|
| | Graffiti | None |
| | Tree/rock carving | None |
| | Burnt vegetation | None |
| | Removal of moss patches | None |
| | Removal of vegetation | Yes. Widened camp site. |
| | Garbage | None |
| | Wideline trails newly | None |
| | Cut trails | None |
| | Other signs: _____ | None |
| 3. Signs of Damage from Natural Calamities | | |
| | Fallen trees | None |
| | Flooded/landslide areas | None |
| | Widened waterways dried | None |
| | Out waterways | None |
| | Burnt vegetation | None |
| | Cracks on the ground | None |
| | Others: _____ | None |
| 4. Trail type | | |
| | Cemented trail | N/A |
| | Stone slab trail | N/A |
| | Gravel trail | N/A |
| | Soil trail | Yes |
| | Trail of logs | N/A |
| | Trail with tree roots | N/A |
| | Trail with vertical climb | N/A |
| | Trail with rappel | N/A |
| | Trail with cliff-side traverse | N/A |
| | Trail crossing a body of water | N/A |
| | Others: _____ | None |
| 5. Plants Present | | |
| | Algae | Presence |
| | Lichen | None |
| | Bryophytes (mosses) | Presence |
| | Epiphytes | None |
| | Pteridophytes (ferns) | Presence "Ferns" |
| | Herbs | None |
| | Shrubs | Presence. |
| | Vines and lianas | Presence |
| | Gymnosperm trees | None |
| | Angiosperm trees | None |
| | Others: _____ | None |
| 6. Animals Present | | |
| | Arachnids | None |
| | Insects | None |
| | Crustaceans | N/A |
| | Mollusks | None |
| | Annelids | None |
| | Fishes | N/A |

FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

| | | |
|---------------------------------------|---------------------------|---|
| | Amphibians | Presence heard calling Frogs (1 <i>Platymantis dorsalis</i> sp.) |
| | Turtle lizards | None |
| | Snakes | None |
| | Migratory birds | None |
| | Eagles/hawks/falcons/owls | None |
| | Doves/pigeons | None |
| | Parrots/cockatoos | None |
| | Hornbills | None |
| | Other birds | None |
| | Flying mammals | None |
| | Non-flying mammals | None |
| | Others: _____ | None |
| 7. Indirect Signs of Animals Presence | | |
| | Animal carcass/road kill | None |
| | Footprints | None |
| | Feces | None |
| | Scratch markings | None |
| | Webs | None |
| | Cocoons | None |
| | Eggs | None |
| | Exoskeleton casr-offs | None |
| | Bird nests | None |
| | Frog foam nests | None |
| | Mollusk shells | None |
| | Others: _____ | None |
| 8. Fungi Present | | |
| | Molds | None |
| | Mushrooms | None |
| | Cup fungi | None |
| | Jelly fungi | None |
| | Bracket fungi | None |
| | Others: _____ | None |
| 9. Infrastructure | | |
| | Registration station | None |
| | Comfort rooms | None |
| | Latrines | None |
| | Campsite/camping grounds | Measured 6 x 4 meters wide camp site and 8 x7 meters wide of cleared camp site. Olango Camp 2 |
| | Picnic huts/tables | None |
| | Benches | None |
| | Trash bins | N/A |
| | View deck | N/A |
| | Others: _____ | None |
| 10. Utilities | | |
| | Deep wells | N/A |
| | Water lines | N/A |

FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

| | | |
|--|-----------------------|-----|
| | Outdoor faucets | N/A |
| | Electricity lines | N/A |
| | Electric plug | N/A |
| | Electricity Lightning | N/A |
| | Others: _____ | N/A |

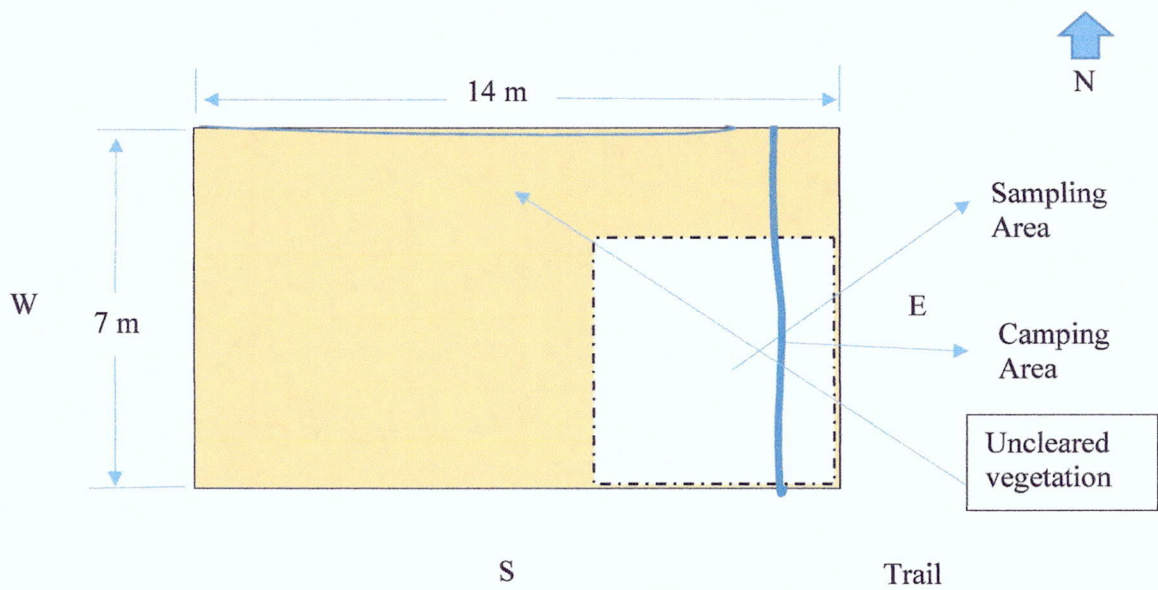
| Drawings of Some Species Encountered |
|--------------------------------------|
| None |

FIELD DIARY
TRAIL RESOURCE ASSESSMENT AND MONITORING

Monitoring Site No. 010

| | |
|---|---|
| Date of Assessment | 08-Sep-2023 |
| Time | 9:22am. |
| Name of Evaluator(s) | FT-I Ludito M. Rada, FR Mark Adonis Romero & FPO Jose Manzana |
| Name of Protected Area | Mt. Guiting-Guiting Natural Park |
| Name of Trail | Olango Trail |
| Monitoring Site Location | "Camp 3" |
| GPS Coordinates | 12.41113 N, 122.55819 E |
| Altitude (masl) | 1,337 m asl. |
| Weather | fair |
| Trail width (m) | 1 meter |
| Trail/Camp Depth (in) | 2 cm. |
| Depth of leaf litter (cm) | 2 cm. |
| Soil type | Loam |
| Diameter-at –Breast –Height (dbh) of largest tree (m) | 3 cm. |
| Stream width (m) water | N/A |
| Depth (m) | N/A |
| Water Velocity (m/s) | N/A |

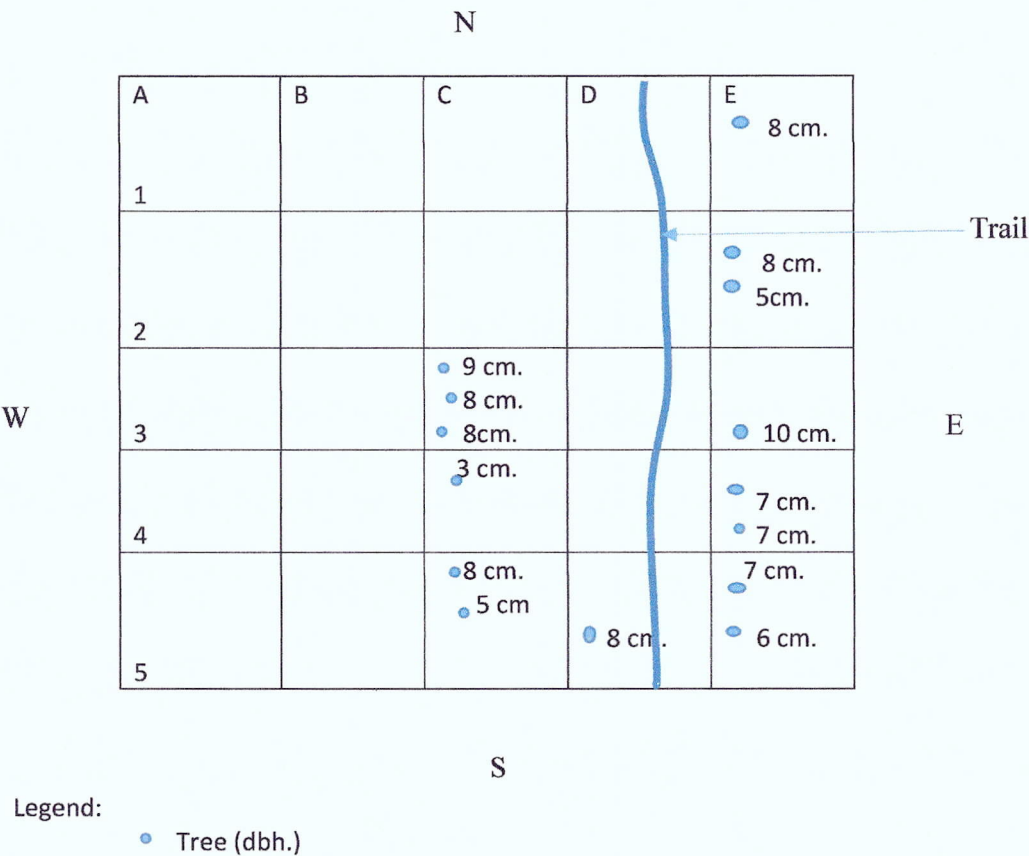
Figure 5. Map showing SAMPLING AREA established within the Olango trail Camp 3 of MGGNP



FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

Figure 6. SAMPLING AREA IN THE OLANGO TRAIL CAMP 3 OF MGGNP



FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

| | | |
|--|--------------------------------|--|
| | Removal of moss patches | None |
| | Removal of vegetation | Yes |
| | Garbage | Yes” seen plastic bottle of softdrinks” |
| | Widelined trails newly | None |
| | Cut trails | None |
| | Other signs: _____ | None |
| 3. Signs of Damage from Natural Calamities | | |
| | Fallen trees | None |
| | Flooded/landslide areas | None |
| | Widened waterways dried | None |
| | Out waterways | None |
| | Burnt vegetation | None |
| | Cracks on the ground | None |
| | Others: _____ | None |
| 4. Trail type | | |
| | Cemented trail | N/A |
| | Stone slab trail | N/A |
| | Gravel trail | N/A |
| | Soil trail | Yes |
| | Trail of logs | N/A |
| | Trail with tree roots | N/A |
| | Trail with vertical climb | N/A |
| | Trail with rappel | N/A |
| | Trail with cliff-side traverse | N/A |
| | Trail crossing a body of water | N/A |
| | Others: _____ | None |
| 5. Plants Present | | |
| | Algae | Presence |
| | Lichen | None |
| | Bryophytes (mosses) | Presence “Mossy forest” |
| | Epiphytes | None |
| | Pteridophytes (ferns) | Presence “Ferns” |
| | Herbs | None |
| | Shrubs | Seen bamboo shrubs |
| | Vines and lianas | Presence “Grass” |
| | Gymnosperm trees | None |
| | Angiosperm trees | None |
| | Others: _____ | None |
| 6. Animals Present | | |
| | Arachnids | None |
| | Insects | Presence “seen flies” |
| | Crustaceans | N/A |
| | Mollusks | None |
| | Annelids | None |
| | Fishes | N/A |
| | Amphibians | Presence heard calling Frogs (<i>Platymantis dorsalis sp.</i>) |
| | Turtle lizards | None |
| | Snakes | None |
| | Migratory birds | None |
| | Eagles/hawks/falcons/owls | None |
| | Doves/pigeons | None |

FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

| | | |
|---------------------------------------|--------------------------|---|
| | Parrots/cockatoos | None |
| | Hornbills | None |
| | Other birds | None |
| | Flying mammals | None |
| | Non-flying mammals | Presence "seen 1 forest rat" |
| | Others: _____ | None |
| 7. Indirect Signs of Animals Presence | | |
| | Animal carcass/road kill | None |
| | Footprints | Presence " seen foot print of wildcat" |
| | Feces | None |
| | Scratch markings | None |
| | Webs | None |
| | Cocoons | None |
| | Eggs | None |
| | Exoskeleton casr-offs | None |
| | Bird nests | None |
| | Frog foam nests | None |
| | Mollusk shells | None |
| | Others: _____ | None |
| 8. Fungi Present | | |
| | Molds | None |
| | Mushrooms | None |
| | Cup fungi | None |
| | Jelly fungi | None |
| | Bracket fungi | None |
| | Others: _____ | None |
| 9. Infrastructure | | |
| | Registration station | None |
| | Comfort rooms | None |
| | Latrines | None |
| | Campsite/camping grounds | About 14 x 7 meters wide cleared camp site. "Olango Camp 3" |
| | Picnic huts/tables | None |
| | Benches | None |
| | Trash bins | N/A |
| | View deck | N/A |
| | Others: _____ | None |
| 10. Utilities | | |
| | Deep wells | N/A |
| | Water lines | N/A |
| | Outdoor faucets | N/A |
| | Electricity lines | N/A |
| | Electric plug | N/A |
| | Electricity Lightning | N/A |
| | Others: _____ | N/A |

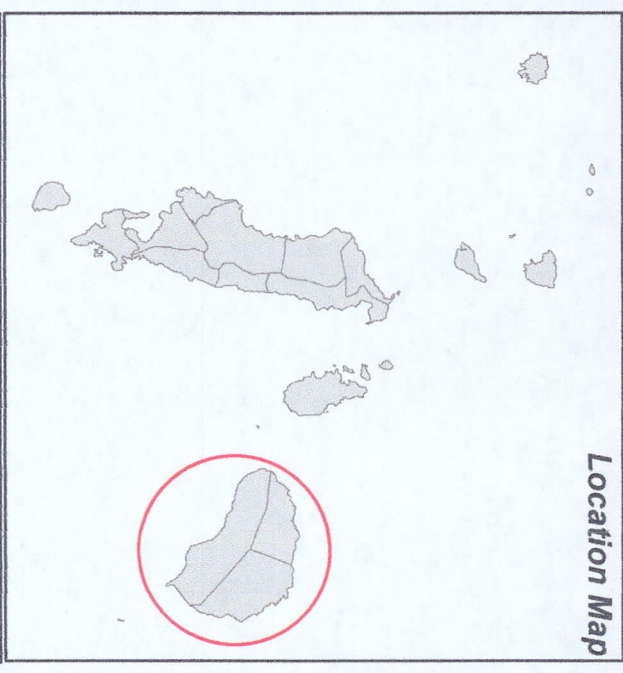
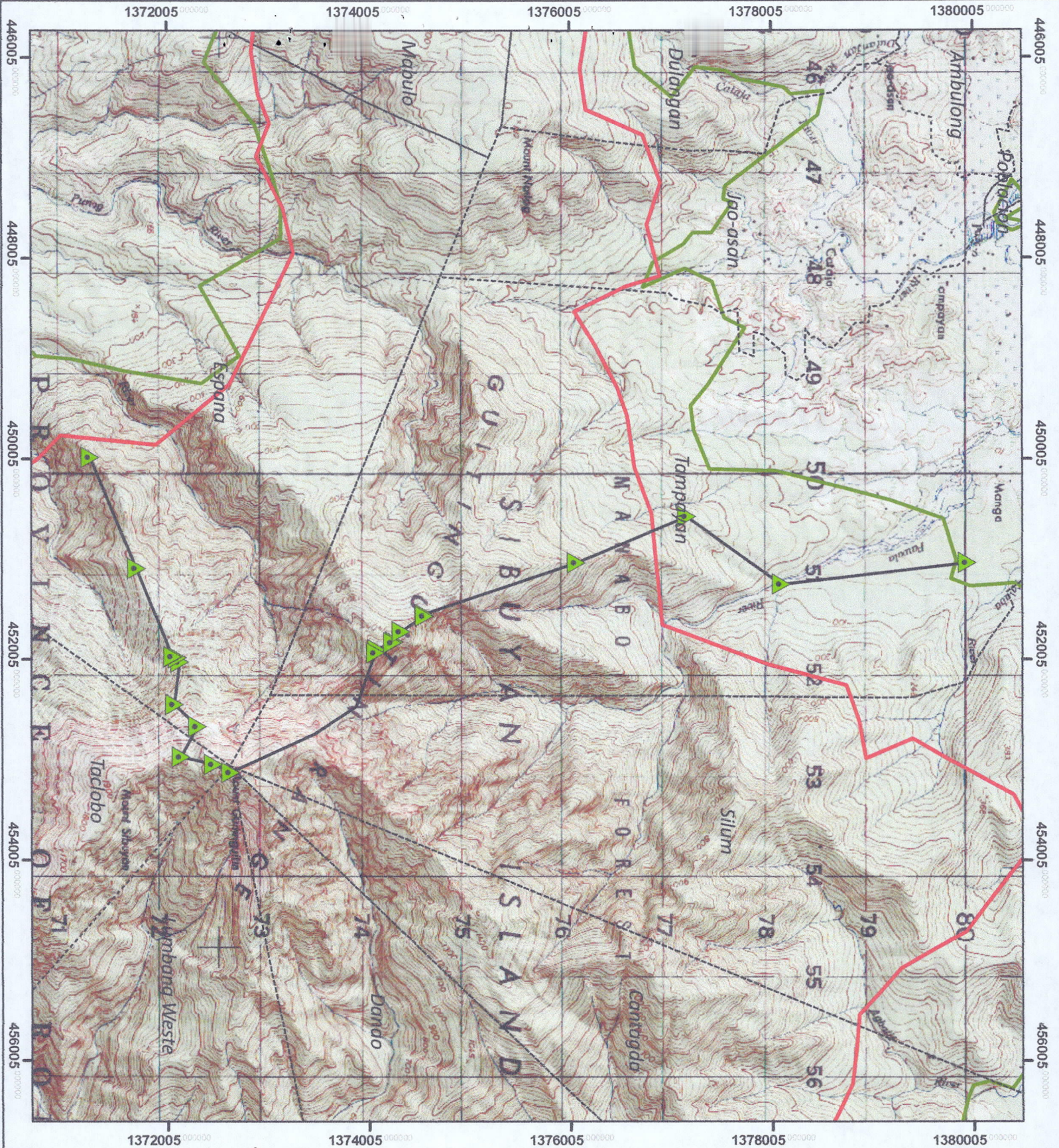
Drawings of Some Species Encountered

None

FIELD DIARY

TRAIL RESOURCE ASSESSMENT AND MONITORING

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SHOWING THE MAP OF IMPACT MONITORING OF ECOTOURISM ACTIVITIES IN MGNP TRAIL

Projection: WGS 1984 UTM Zone 51N

LEGEND

- Monitoring Site
- TRAIL
- MGNP_WGS
- SAMPLE PLOT
- BRGY. BOUNDARY
- TIMBERLAND

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OIC-PASU Officer



TAMPAYAN TRAIL TO SUMMIT

| Name of Monitoring Site/Trail | Site No. | Trail No. | Altitude (m asl.) | Coordinates |
|--------------------------------|----------|-----------|-------------------|---------------------------|
| “Camp 1 “Tampayan trail” | 01 | | 374 | 12.457102 N, 122.545297 E |
| “Camp 2 ”tampayan trail” | 02 | | 758 | 12.441678 N, 122.549419 E |
| “Camp 3” tampayan trail” | 03 | | 1,287 | 12.433715 N, 122.554217 E |
| “Mayos Peak” | 04 | | 1,548 | 12.429378 N, 122.557563 E |
| “View Deck” near at Mayos Peak | | 05 | 1,624 | 12.429365 N, 122.557736 E |
| “Mavel Spring” | | 07 | 2,015 | 12.41188 N, 122.56734 E |
| “Deception Peak” | | 08 | 2,010 | 12.419954 N, 122.567357 E |
| “Secret Garden” | | 09 | 2,024 | 12.416725 N, 122.568912 E |
| “Summit” | 10 | | 2,113 | 12.41687 N, 122.568739 E |

OLANGO TRAIL TO SUMMIT

| Name of Monitoring Site/Trail | Site No. | Trail No. | Altitude (m asl.) | Coordinates |
|-------------------------------|----------|-----------|-------------------|----------------------------|
| “Camp 1 Olango trail” | 01 | | 727 | 12.449985 N, 122.1371244 E |
| “Camp 2 Olango trail” | 02 | | 1,042 | 12.451099 N, 122.1371706 E |
| “Camp 3 Olango trail” | 03 | | 1,822 | 12.451974 N, 122.1372059 E |