



OUTGOING

Received by: hrc
Date: JUN 20 2023

June 16, 2023

MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA Region
1515 DENR By the Bay Bldg.
Roxas Blvd., Barangay 668
Ermita, Manila

THRU : The Assistant Regional Director
for Technical Services

FROM : The OIC, PENR Officer
Odiongan, Romblon

SUBJECT : CALABNOAN CAVE RESOURCE ASSESSMENT AND INITIAL
CLASSIFICATION LOCATED IN BARANGAY CAMANTAYA,
SAN AGUSTIN, ROMBLON

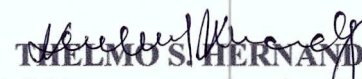
Respectfully submitting is the Memorandum of Engr. Raymund G. Inocencio, Cave Focal Person dated June 16, 2023 regarding the above-cited subject matter.

Per results, this Office successfully oriented key stakeholders comprising of Barangay Camantaya and Municipal LGU of San Agustin, Romblon on cave related policies and resource assessment; gathered data and inventoried cave resources; and initially classified Calabnoan Cave as Class II per DMC 2007-04 as a basis of its sustainable development and management.

Please see attached "Enhanced Cave Resource Assessment and Initial Classification Report of Calabnoan Cave with Initial Classification" and other supporting documents.

For information and further instruction.

"For and in the absence of OIC, PENR Officer"


THELMO S. HERNANDEZ
Chief, Management Services Division



June 16, 2023

MEMORANDUM

FOR : The OIC, PENR Officer
Odiongan, Romblon

THRU : The Chief, Technical Services Division
Odiongan, Romblon

FROM : The Cave Focal Person
Odiongan, Romblon

SUBJECT : CALABNOAN CAVE RESOURCE ASSESSMENT AND INITIAL CLASSIFICATION LOCATED IN BARANGAY CAMANTAYA, SAN AGUSTIN, ROMBLON

Respectfully submitting is the accomplishment report in the conduct of “Calabnoan Cave Resource Assessment and Initial Classification” located at Barangay Camantaya, San Agustin, Romblon.

Please see attached copy of the “Highlights on Calabnoan Cave Resource Assessment and Initial Classification” conducted in Barangay Camantaya, San Agustin, Romblon on April 19-21, 2023 and the “Enhanced Cave Assessment and Initial Classification Report of Calabnoan Cave” per NCC Resolution No. 2017-04 and other supporting documents of the above cited subject matter.

For information and record.


RAYMUND G. INOCENCIO



April 24, 2023

MEMORANDUM

FOR : The OIC, PENR Officer
THRU: Chief, Technical Services Division
FROM : The Undersigned
SUBJECT : HIGHLIGHTS OF CALABNOAN CAVE RESOURCE ASSESSMENT AND INITIAL CLASSIFICATION REPORT CONDUCTED IN CAMANTAYA, SAN AGUSTIN, ROMBLON ON APRIL 19-21, 2023

Per DENR- PENRO Special Order No. 23-17, please be informed that the undersigned facilitated the conduct of Calabnoan Cave Resource Assessment and Initial Classification held in Camantaya, San Agustin, Romblon on April 19-21, 2023.

I. BACKGROUND

The DENR-PENRO targeted and conducted cave resource assessment and initial classification of Calabnoan Cave located at Sitio Calabnoan, Barangay Camantaya, San Agustin, Romblon funded under WFP 2023. This cave is one of the one-hundred seven (107) caves identified by Conservation and Development Section (CDS) in year 2020.

Geographically, this cave found at the mountainous and hilly portion of Sitio Calabnoan watershed of Barangay Camantaya, San Agustin. This barangay has a total land area of 1,090 ha. (10.90 sq. km.). There were 129 households with a total population of 497. It is composed of seven (7) different sitio's namely Grande, Pequinio, Ilaya, Centro, Sipi, Calabnoan and Tawitawi.

On the said cave identification, Calabnoan Cave possessed threatened bat species, diverse flora and fauna found within and outside the cave ecosystems with stunning geological formations. With these, the cave prioritized for the conduct of cave resource assessment as a basis of its protection, conservation and management pursuant to Republic Act No. 9072, otherwise known as the National Caves and Cave Resources Management and Protection Act of 2001.

Section 11 of its DENR Administrative Order No. 2003-29 provides that the conduct of cave resource assessment include inventory and mapping of caves, classification and documentation of the biological, geological, hydrological, paleontological, archeological and historical resources and other relevant cave information.

Moreover, DENR Memorandum Circular No. 2007-04 provided the "Procedure in Cave Classification" while National Cave Committee (NCC) Resolution No. 2017-04 adopted the enhanced Cave Assessment Form. Then, other issuances include DENR Administrative Order No. 2017-11 "Updated National List of Threatened Philippine Plants and their Categories"; DENR Administrative Order No. 2019-09 "Updated National List of Threatened Philippine



Fauna and their Categories”; and the recent BMB Technical Bulletin No. 2021-01 or the “Standards on the Production and Layout of Cave Maps.”

II. OBJECTIVES

Calabnoan Cave Resource Assessment and Initial Classification aimed:

- 1.) To orient partner LGU’s and other key stakeholders on cave related policies and resource assessment;
- 2.) To gather data and inventory of cave resources; and
- 3.) To initially classify the cave for its sustainable development.

III. STRATEGIES & PROCESSES/METHODS

The 3 days learning event comprised of one-day orientation on relevant policies, familiarization of the enhanced cave assessment form and knowledge on basic caving while on the remaining two days scheduled the fieldwork, processing, presentation and planning/way-forward of Calabnoan Cave in Sitio Calabnoan, Barangay Camantaya, San Agustin, Romblon.

During the fieldwork, the participants grouped in various teams such as socio-economic, biology (flora and fauna), geology, and survey and mapping. After the conduct of this cave resource assessment, the data was processed and presented to the LGU.

IV. FUNDING

The funding obtained from WFP C.Y. 2023 Cave Resource Assessment and Classification.

V. RESULTS

The DENR-PENRO thru CDS facilitated the conduct of one-day orientation with practical exercises on “Calabnoan Cave Resource Assessment and Initial Classification” held at the Covered Court of Camantaya, San Agustin, Romblon on April 19-21, 2023. The remaining two days allotted to actual fieldwork, processing of data, presentation and planning/way forward held at same barangay. There were thirty participants comprised of Municipal and Barangay LGU’s, youth representative, local communities, and personnel of DENR PENRO who actively attended the above learning event with actual field assessment.

On April 19, 2023, about 9:00 A.M., the DENR-PENRO thru CDS facilitated the Opening Program. MSD Staff Dolly Jane F. Falcutila served as the host of the program. Barangay Kagawad Rita M. Manal led the invocation and followed by the singing of Phil. National Anthem led by ECOMS I Janice F. Forcadas.

ECOMS I Janice F. Forcadas acknowledged the participants. After this, Barangay Kagawad Ricardo Villanueva delivered his Welcome Remarks. On behalf of the municipal mayor, MPDC Concepcion Angela S. Quijano and SB Member Gil A. Madrilejos expressed their support and appreciation on the conservation effort led by DENR in partnership with the concerned stakeholders especially BLGUs on protecting, conserving and managing natural resources like cave and cave resources as mandated by law.



On behalf of the DENR PENR Office, Planning Officer III/Cave Focal Person Raymund G. Inocencio delivered inspirational message to the attendees. He mentioned the process of cave assessment and classification to determine appropriate sustainable uses with due consideration to biodiversity, archaeological, historical, cultural and the potential socio-economic values. Lastly, he extended special thanks to the LGUs on their active partnership in terms of cave protection and development.

After this, photo opportunities followed.

Planning Officer III/Focal on Cave Assessment Raymund G. Inocencio presented Rationale of the learning event and the program of activities.

Atty. Keisha Alyssa R. Brillo presented and highlighted the important provisions of Republic Act No. 9072, otherwise known as the National Caves and Cave Resources Management and Protection Act of 2001 and other related cave policies.

MGB Geologist Felix Carl F. Falquerabao presented lecture on “Cave Geology.”

In the afternoon, ECOMS I Janice F. Forcadas and For. Marielle V. Magallanes presented lectures on “Cave Biology- Fauna and Flora” respectively; and the Bureau of Fire Protection- Special Rescue Unit (BFP-SRU) namely FO3 Jay M. Solano and FO1 Rolando V. Mazo, Jr. and FO1 Brilllos Jorge R. Diamante shared expertise on basic first aid training and rappelling/Single Rope Technique with demonstration under the topic Cave Rescue.

After this, PO III Inocencio presented Status of Philippine Cave, Cave Assessment Form, Cave Mapping, and the Basic Caving & Minimum Impact Caving Code.

After these presentations, open forum, grouping and practicum followed.

On April 20, 2023, the different teams proceeded and conducted Calabnoan Cave Resource Assessment that took about 1 ½ to 2 hours trek to the mountainous portion of Sitio Calabnoan, Barangay Camataya; and on April 21, 2022, the different teams gathered at the Covered Court of Barangay Camantaya, San Agustin for data processing/consolidation and presentation. Moreover, the planning/way-forward involving the key stakeholders at the local level and short closing program conducted.

Based on the result of cave assessment, there were about (26) species of fauna and (26) species of flora inventoried; (8) types of speleothems; the cave found within Alienable and Disposable Land (A&D); the cave has vertical and horizontal orientations; one entrance only; about 204.36 meters total cave length; about 9 meters ceiling height with 6 chambers; and the Team initially classified the cave as Class II.

(Note: Please refer to separate report on “Enhanced Cave Assessment of Calabnoan Cave” with Map for the details.)

VI. RECOMMENDATION

Based on the assessment and initial classification of the Team, Calabnoan Cave located at mountaneous and hilly portion of Sitio Calabnoan, Municipality of San Agustin, Romblon.



The cave is a solution type of cave with vertical and horizontal orientations, large chambers, possessed stunning geological formations/ speleothems and with presence of biological features.

Per DENR Memorandum Circular 2007-04 or "Procedure in Cave Classification", the Team initially classified it as Class II. Under this category, this cave system has areas or portions that have sections that have hazardous conditions and contain sensitive geological and biological values or high quality ecosystem. It may be necessary to close sections of these caves seasonally or permanently. It is open only to experienced cavers or guided educational tours/visits.

It is highly recommended that the DENR, privateland owner and concerned municipal and barangay LGUs of San Agustin, Romblon shall protect this cave from further degradation through adoption of Memorandum of Agreement (MOA). The concerned Barangay and Municipal LGUs of San Agustin, Romblon shall pass a resolution to temporarily close this cave from any human disturbance pending its final classification and management plan adoption.

Prepared and submitted:


RAYMUND G. INOCENCIO
PO III/Cave Focal Person



PHOTODOCUMENTATION

Calabnoan Cave Resource Assessment and Initial Classification
April 19, 2023



Barangay Kag. Ricardo Villanueva delivered his Welcome Remarks



On behalf of OIC, PENR Officer Arnoldo A. Blaza, Jr.
PO III/Cave Focal Person Raymund G. Inocencio
delivered Inspirational Message



DENR PENRO Personnel, Municipal and
Barangay LGUs Officials
and Participants posed after the Opening Program



PHOTODOCUMENTATION

Calabnoan Cave Resource Assessment and Initial Classification
April 20, 2023



Cave Vertical Entrance



Inventory of Flora and Fauna Team



Geological formations w/in the cave



PHOTODOCUMENTATION

Calabnoan Cave Resource Assessment and Initial Classification
April 21, 2023



Processing/consolidation of data by various Teams



Brgy. Capt. Ernie Gramo reported socio-economic profile



SB Member Gil Madrilejos delivered his impression during the closing program

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR CALABNOAN CAVE, CAMANTAYA, SAN AGUSTIN,

Name of Compiler: ENGR. RAYMUND G. INOCENCIO

Date compiled: JUNE 13, 2023

Name of Cave: CALABNOAN CAVE

Region: MIMAROPA

Province: ROMBLON

Municipality/City: SAN AGUSTIN

Barangay: CAMANTAYA

Sitio/Purok: CALABNOAN

Size of the Area: 5 ha (area enclosed by the proposed boundary)

Period of Assessment: APRIL 19-21, 2023

I. GENERAL INFORMATION

1. Evolution of the Cave (include cave's origin, solution, tectonic movement, degradational/formation of talus, erosional, etc.)

The evolution of Calabnoan Cave originated as solution-type of cave situated at the karst topography of Barangay Camantaya, San Agustin, Romblon. This barangay has a total area of 1,090 ha. (10.90 sq.km). The location of the cave is found at the southern part of this municipality and belongs to the Karst area of Tablas Island, Romblon. Most of the mid-portion of this island that extends from north to south possessed karst landscape.

Caves are considered as wonders of the natural world that are usually hidden among mountains. It possesses spectacular cathedrals of speleothems and considered as unique, natural, and non-renewable resources with important scientific, economic, educational, cultural, historical, and aesthetic values.

Calabnoan cave originated and formed through the creation of limestone which gradually dissolved with the interaction of rainwater and groundwater thus creating a hole forming tunnel, large caverns and other irregular passages.

When the water charged with mineral seeps into the cave and evaporates leaving stalactite deposits that hang from the roof and stalagmite deposits that grew from the floor. As stalactite grows downward and stalagmite grows upward they may eventually join to form a column or pillar. Such formation is nature's action that forms the kind of this stunning cave.

2. Geographic location and description

Coordinates:

The coordinates of Calabnoan Cave is N 12°28' 44" and E 122°05'19".

Elevation:

The elevation of the passable cave entrance of Calabnoan Cave is about 440 meters ASL.

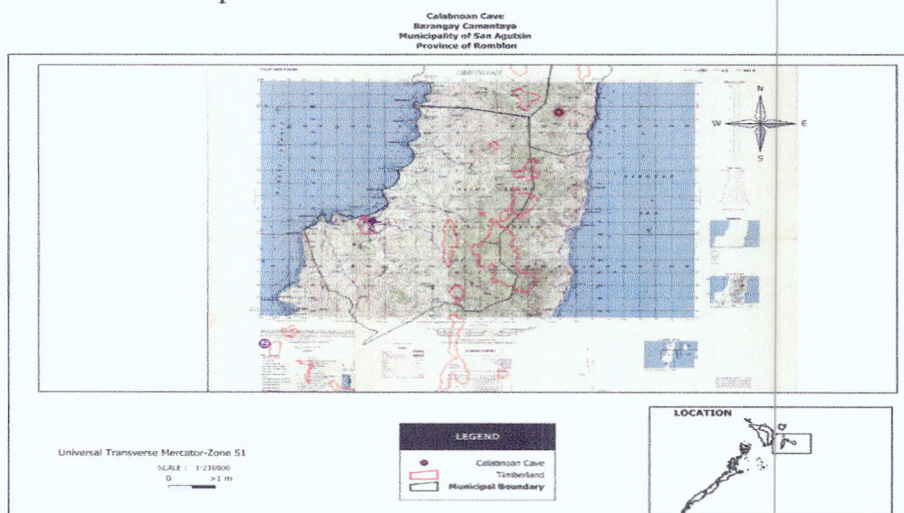


Figure 1. Location Map of Calabnoan Cave, Camantaya, San Agustin, Romblon

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR CALABNOAN CAVE, CAMANTAYA, SAN AGUSTIN,

Land Status (please check)

- ☐ Agricultural
☐ Mineral land
☐ National Park
☐ Timberland
☐ Residential
☒ Others (specify) A&D with Secondary Growth Forest

3. Accessibility (State how the cave can be reached from the nearest barangay, major cities, municipalities, regional centers; indicate distance, means of transportation)

The municipality of San Agustin is situated on the northeastern part of Tablas Island, Romblon with an area of 14,048 hectares (140.48 sq. km.). The municipal center of San Agustin is situated at approximately 12° 34' North, 122° 8' East, in the island of Tablas. Elevation at these coordinates is estimated at 9.6 meters or 31.5 feet above mean sea level. It is composed of fifteen barangays namey: Bachawan, Binonga-an, Buli, Cabolutan, Camantaya, Cagbo-aya, Carmen, Cawayan, Dona Juana, Dubduban, Hinugusan, Lusong, Poblacion, Mahabang-baybay and Sugod.

It is bounded on the north by the Municipality of Calatrava; on the south by the Municipality of Sta. Maria; on the east by Romblon Pass, (a sea passage between Tablas Island and island Municipality of Romblon which is part of Sibuyan Sea); on the west by the Municipality of San Andres, and southwest by the Municipality of Odiongan. The municipality of San Agustin is accessible from Batangas City through a direct sea vessel via Odiongan Port and another two hours land travel to San Agustin from Odiongan. Passenger's ship from Batangas City arrives at San Agustin Municipal Port three times a week while cargo and passenger ship from Lucena City arrives daily.

Travel by plane from Manila Domestic Airport is through Tablas Airport located in Tugdan, Alcantara, Romblon. It will take 45 minutes plane ride and 1 hour land travel to San Agustin.

From the town proper of San Agustin to Barangay Camataya takes about twenty minutes motorcycle ride. This barangay has an area of 1,090 hectares (10.90 sq. km.) and comprised of seven sitio's namely Centro, Grande, Pequiño, Ilaya, Sipi, Calabnoan and Tawi-Tawi.

Upon reaching Barangay Hall of Camantaya, the cave could be reached about one hour and thirty minutes trek at the mountainous and hilly sloping portion of Sitio Calabnoan.

4. Climatological data (rainfall pattern, climate type)

The Municipality of San Agustin, Romblon falls under the third type of climate (Modified Corona's Climate Classification) as indicated in the Philippine Climatic Map which describes the absence of a pronounced season. It is relatively wet from May to October and then dry for the rest of the year.

Maximum rain periods are not very pronounced, dry season lasts from one to three months. From the month of December to May, the average rainfall is 53.86 mm while during the month of June to November is 279.57 mm. Areas are partly sheltered from the northeast monsoon and trade winds but open to the southwest monsoon or at least to frequent storms.

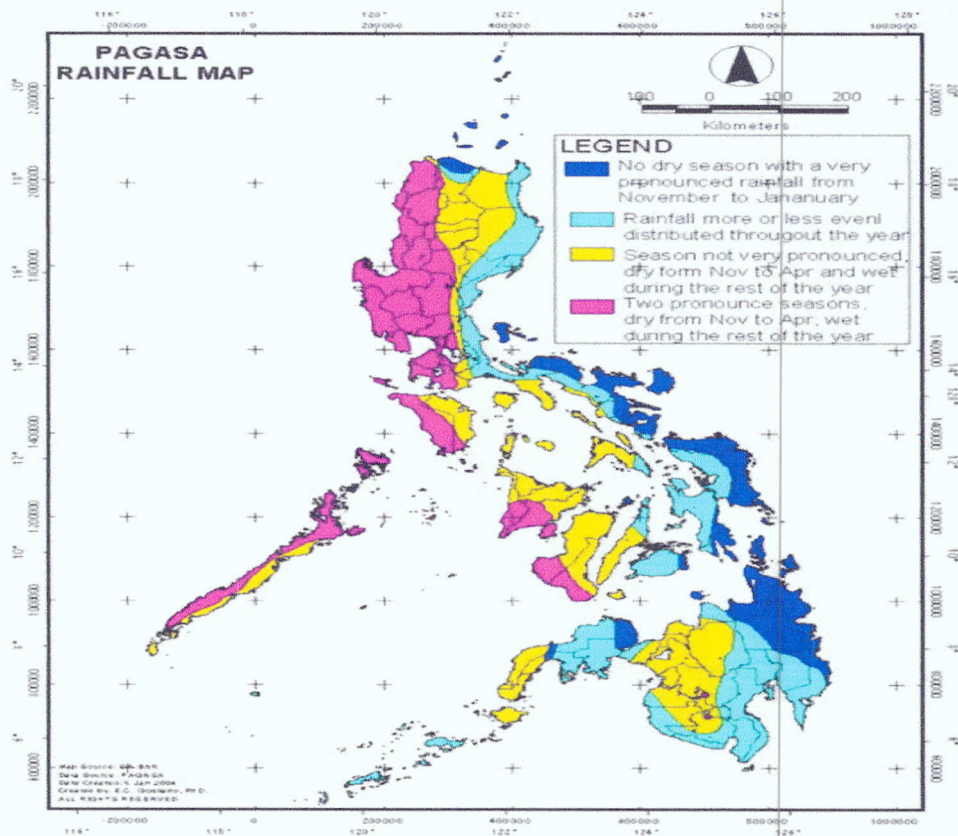


Figure 2. Climatological Map

5. Existing land-use patterns in area adjacent to the cave.

Listing by Type	Area (ha)	
	Adjacent to cave	Above the cave
Reforestation area	Approx.50	None
Reservation	None	None
Logging	None	None
Grazing/Pasture	20	None
Settlements	15	None
Mineral Extraction	None	None
Others, Institutional/ Commercial	None	None
Agricultural	None	None

6. Demographic Information (secondary data gathered from municipality, indicate data source and reference date)

Name of Barangay/Sitio	Barangay Population/ Sitio	Number of Households	Number of Families	Major means of Livelihood
Brgy. Camantaya	497	129	151	Fishing & Agriculture
So. Calabnoan	7	3	3	Farming (Coconut, Tiger grass & Root Crops)

Reference: Camantaya, San Agustin- BLGU 2023 Data

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7. Uses / Human Activities

Type of Activity	Implementation period	Station/s Covered*	Implementing Agencies	Remarks
Extraction activity	Yr. 2020- Present (Observation of locals)	Sta.2 & 7	Private Individuals (Poachers/Hunters)	Collection of Guano & Hunting of Bats & Flying Foxes

7.1. Identify past uses/ activities (indicate in the cave map)

*Refer to station in the cave map

Type of Activity	Implementation period	Station/s Covered*	Implementing Agencies	Remarks
Collection of Guano and Hunting of Bats/Flying Foxes	Year 2020	Sta.1-7	Private Individuals	Household Use

7.2 Identify the current activities inside the cave (indicate in the cave map)

*Refer to station in the cave map

Type of Activity	Implementation period	Station/s Covered*	Implementing Agencies	Remarks
Collection of Guano and Hunting of Bats/Flying Foxes	Present	Sta. 2 & 7	Private Individuals	Household Use

8. Physical Features

- Cave Map (Describe the size of the cave, length, height and width, its mouth, floor and ceiling) cave map should conform to international standard or equivalent to British Cave Research Association standard of Grade 3C or higher.

Calabnoan Cave found at So. Calabnoan, Barangay Camantaya with geographical coordinates of N 12°28' 44" and E 122°05'19" and elevation of about 440 meters. The cave features vertical and horizontal orientation and considered as solution-type of cave. It has single and large vertical cave entrance measures 19.640 meters wide and with 10-meter descent. It has five (5) big chambers and (1) main gallery that possessed huge speleothems like altar-like column. The entire cave measures 204.36 meters long.

After rappelling, found the crystallized cave passage and the first chamber that measures 18 meters wide, 7 meters high and 19.594 meters long with huge columns, stalactites and stalagmites.

The second chamber measures 5 meters wide, 39.607 meters long and ceiling height of 4 meters. The third chamber or the main gallery measures 17 meters wide, 72.653 meters long and 9.8 meters high observed as roosting/nesting site of swiftlet birds, flying foxes and fruit bats. The fourth chamber measures 5 meters wide, 22.234 meters long and 7 meters high. The fifth chamber has narrow entrance of half meter and the inner part

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION
FOR CALABNOAN CAVE, CAMANTAYA, SAN AGUSTIN,

measures 13 meters wide, 38.896 meters long and 3 meters high. Lastly, the sixth chamber measures 7 meters wide, 11.376 meters long and 2 meters high. The last two chambers served as insect bats roosting/nesting site.

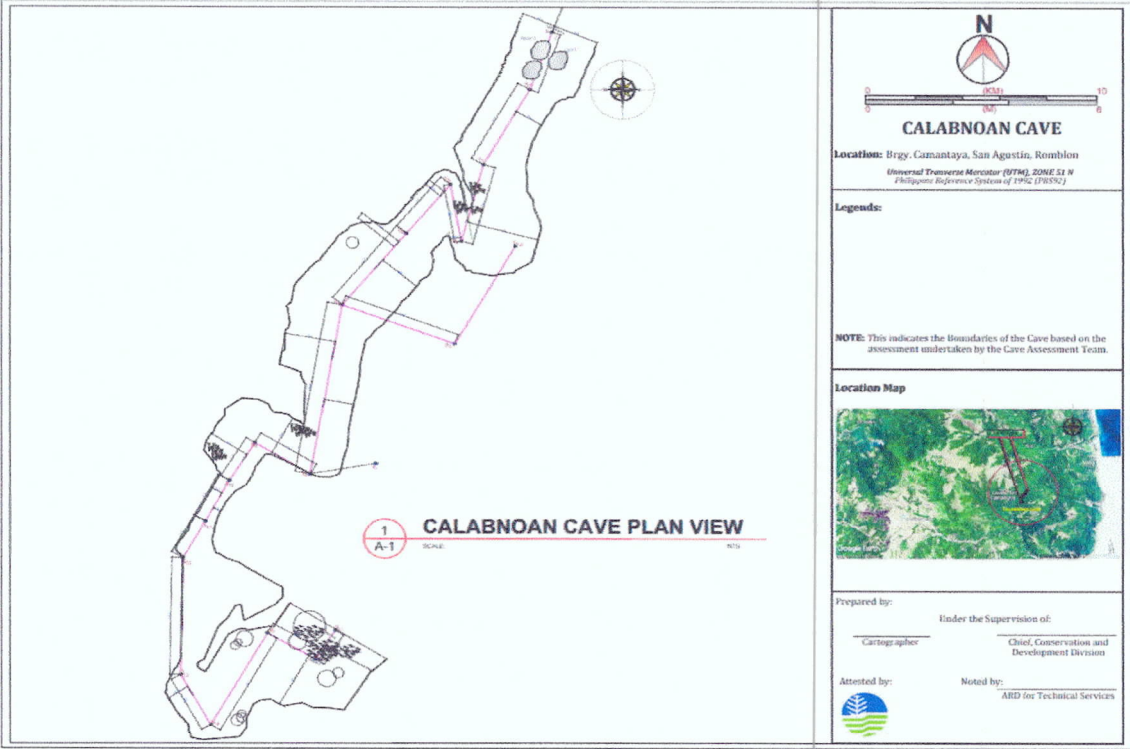
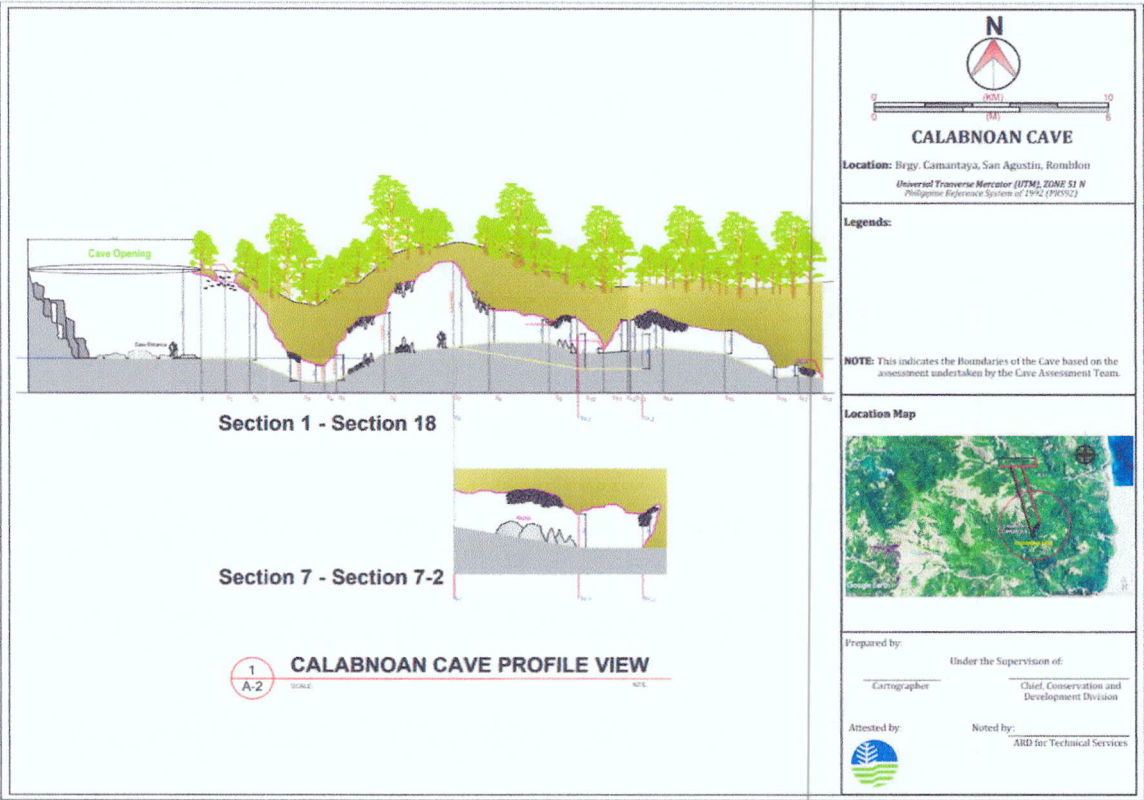


Figure 3. Calabnoan Cave Plan View



ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR CALABNOAN CAVE, CAMANTAYA, SAN AGUSTIN,

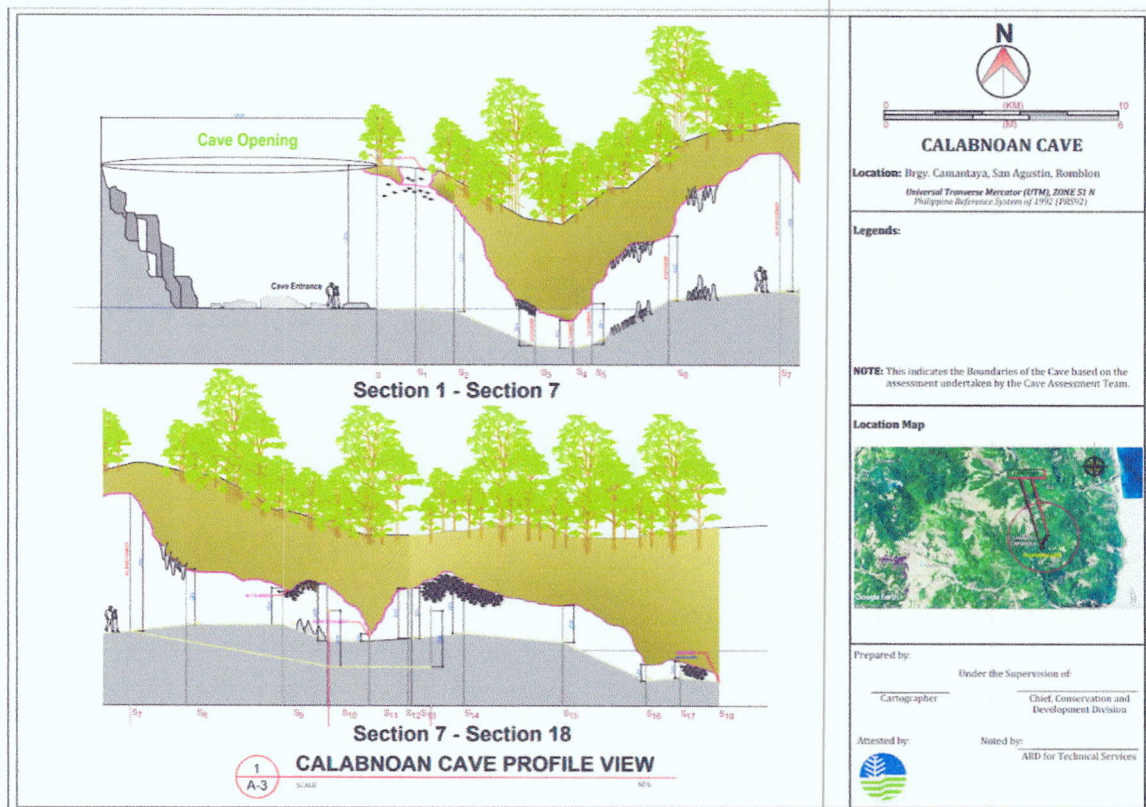


Figure 4. Calabnoan Cave Profile View

- b. Status of the Cave (please check; provide pictures)
- b.1 () Undisturbed Cave (newly discovered cave)
- b.2 (/) Intact (State what probable factors could have worked for their protection)
- ☒ Difficult access
☐ Within protected area
☒ Inside private property
- b.3 (/) Vandalized (State extent, location of vandalism; describe vandalism)
- The cave wall at the cave entrance has little graffiti. It takes more years to naturally fade these markings.
- b.4 (/) Exploited (State cause and extent of exploitation)
- The main gallery has traces of guano extraction while the end corners found some nets and broken jolens on the ground. The broken jolens indicated that the hunters were using Alcohol Gun or Jolen Gun in capturing bats or flying foxes.
- b.5 (/) Claimant (State name)
- It is located within privateland of Hon. Eleandro Jesus F. Madrona.
- b.6 () For status not included in the criteria (specify e.g. part of the cave is undisturbed and part of the cave is disturbed)
- The only undisturbed part of the cave is the sixth chamber. Some parts of the cave ceiling showed plenty of bat stains. This indicated disturbance on the life cycle of bats dwelling in the cave.

II. NATURAL FEATURES

1. Vegetative Cover

1.1. Flora outside the cave.

Scientific name	Common name	Uses	Importance/ Value	Conservation status ¹	Stratification ²	dbh	Remarks
<i>Artocarpus ovatus</i>	Anubing	Wood strong and durable; latex is source of anubing gum; medicinal uses	Ecological & economical values	Not threatened	Canopy	Up to 100 cm	None
<i>Artocarpus blancoi</i>	Antipolo	Food and medicinal uses; carving and light construction	Ecological & economical values	IUCN Red List 2004	Canopy	Up to 60 cm	None
<i>Pterocarpus indicus</i>	Narra	High grade quality wood for house interiors and exteriors, furniture, musical instruments even marine wood works	Ecological & economical values	Critically Endangered (DAO 2007-1)	Canopy	80 cm	None
<i>Pterospermum diversifolium</i>	Bayok	Folkloric medicinal uses; bark used for dyeing fish-nets and cloths	Ecological & economical values	Not threatened	Canopy	Up to 80 cm	None
<i>Koordersiodendron pinnatum</i>	Amugis	Wood used for flooring and light construction;	Ecological & economical values	Other Threatened Species (DAO	Emergent	Up to 80 cm	None
<i>Macaranga tanarius</i>	Binunga	Food, medicinal uses; bark contains tannin used for toughening fishing nets	Ecological & economical values	Not threatened	Canopy	Up to 20 cm	None
<i>Heritiera littoralis</i>	Dungon-late	Wood used for the production of wrapping, writing and printing paper	Ecological & economical values	Not threatened	Canopy	Up to 100 cm	None
<i>Ficus minahassae</i>	Hagimit	Sap is employed as beverage; bark's reddish color could suggest astringent properties; as food and medicine	Ecological & economical values	Not threatened	Canopy	Up to 30 cm	None
<i>Ficus ulmifolia</i>	Is-is	Rough leaves as sandpaper to polish or scrub wood or clean utensils; edible fruit	Ecological & economical values	IUCN Red List 2004	Understory	10-15 cm	None

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR CALABNOAN CAVE, CAMANTAYA, SAN AGUSTIN,

<i>Ficus septica</i>	Hauili	Folkloric medicinal uses; a pioneer plant for forest regrowth	Ecological values	Not threatened	Understory	Up to 20cm	None
<i>Dysoxylum gaudichaudianum</i>	Igyo	Folkloric; decoction of bitter fresh bark given for coughs; powdered barks with water used for fever	Ecological & economical values	Not threatened	Canopy	Up to 80 cm	None
<i>Premna odorata</i>	Alagau	Nurse tree for newly planted, slow growing saplings; wood used as firewood	Ecological & economical values	Not threatened	Canopy	Up to 35 cm	None
<i>Pometia pinnata</i>	Malugai	Wood used for Fruit edible; seed edible when roasted, eaten like chestnut; inner bark contains red gum	Ecological & economical values	Limited distribution	Canopy	Up to 100 cm	None
<i>Ficus sp.</i>	Balete	Medicinal uses; rope made from its bast; suited for parks and urban locations	Ecological & economical values	Not threatened	Canopy	Ave. 20 cm	None
<i>Morinda citrifolia</i>	Noni	Ornamental tree; edible fruit; bark yields permanent red dye used to print	Ecological & economical values	Not threatened	Canopy	Up to 20 cm	None
<i>Ficus nota</i>	Tibig	Young leaves cooked as vegetable and fruit eaten raw when ripe; sap of freshly cut stem yields drinkable water	Ecological & economical values	Not threatened	Understory	20 cm	None
<i>Canarium asperum</i>	Pagsahingin	Resin used in the manufacture of paint, varnishes, perfumes, incense and aromatherapy product	Ecological & economical values	Not threatened	Canopy	Up to 70 cm	None
<i>Ficus pseudopalma</i>	Niog-niogan	Figs edible; leaves eaten as vegetable and used to wrap fish or meat in cooking	Ecological & economical values	Not threatened	Understory	10-15 cm	None
<i>Planchonia spectabilis</i>	Lamog	Wood hard and heavy used for house construction	Ecological & economical values	Not threatened	Canopy	Up to 50 cm	None

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR CALABNOAN CAVE, CAMANTAYA, SAN AGUSTIN,

<i>Petersianthus quadrialatus</i>	Toog	Wood hard, moderately strong and tough; seeds edible and taste like peanuts	Ecological & economical values	Not threatened	Emergent	70-100 cm	None
<i>Pisonia umbellifera</i>	Anuling	Soft wood; leaves for rheumatic pains	Ecological & economical values	Not threatened	Canopy	40 cm	None
<i>Octomeles sumatrana</i>	Binuang	Wood used for light indoor construction; stems suitable for making canoes; medicinal uses	Ecological & economical values	Not threatened	Emergent	Up to 200 cm	None
<i>Melia azedarach</i>	Bagalunga	Wood is used for light construction; bark and leaves used in traditional medicinal and insecticidal applications	Ecological & economical values	Not threatened	Canopy	Up to 50 cm	None
<i>Dendrocide luzonensis</i>	Lipa	As perimeter fence to deter unwelcomed guests	Ecological & economical values	Not threatened	Canopy	25 cm	None
<i>Polyscias nodosa</i>	Malapapaya	Wood used to produce small objects like boxes, matches, pencils, popsicle sticks, etc. leaves has medicinal uses	Ecological & economical values	Not threatened	Canopy	60 cm	None

¹Based on DAO 2007-01 or succeeding amendments²emergent, canopy, understory, forest floor, etc.

1.2. Flora inside the cave (entrance to twilight zone).

None

Scientific name	Common name	Uses	Importance/ Value	Conservation status*	Remarks
Fungi	X	X	X	X	Entrance (Twilight Zone)

*Based on DAO 2007-01 or succeeding amendments 2emergent, canopy, understory, forest floor, etc.

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR CALABNOAN CAVE, CAMANTAYA, SAN AGUSTIN,

2. Fauna

Instructions: Enumerate the fauna observed in the cave. Indicate/estimate their abundance accordingly. Indicate the location and/or station/s where the organisms were observed. Write additional observations under Remarks (For bats, note if nursing mothers or baby bats are present; for birds, note if nests, eggs or hatchlings are present). Attach additional sheets if necessary.

2.1. Fauna inside the cave (enumerate species):

a. Vertebrates.

Scientific name	Common name	Abundance (range)	Location (station #)	Conservation status*	Remarks
<i>Sub-order Microchiroptera</i>	Insect-eating Bats	>1000	Sta. 7, 13 to 17	Other wildlife species (DAO 2019-09)	Presence on the ceilings
<i>Collocalia troglodytes</i>	Pygmy swiftlet	>100	Sta. 3- 6 & 7-8	Other Wildlife Species (DAO 2019-09)	Presence of bird nests
<i>Platymantis</i>	Frog	>60	Sta. 0-4 & 6-8	Other Wildlife Species (DAO 2019-09)	Presence at the cave floor
<i>Order Squamata</i>	Gecko	>50	Sta. 3-4, & 7-8	Other threatened species (DAO 2019-09)	Presence on the cave walls/crevices

*Based on DAO 2004-15 or succeeding amendments

b. Arthropods and other invertebrates.

Scientific name	Common name	Abundance (range)	Location (station #)	Conservation status*	Remarks
<i>Order Araneae</i>	Spiders	>100	Sta. 0-6 & 7-8	Not threatened	Seen along cave walls/crevices
<i>Order Orthoptera</i>	Cricket	>100	Sta. 4, 5 & 6	Not threatened	Seen along the cave floor
<i>Ryssota ovum</i>	Snail	>50	Sta. 0-7	Not threatened	Seen along the cave floor
<i>Order Thelyphorida</i>	Tailless Whip scorpions	>50	Sta. 0-17	Not threatened	Seen along cave walls/crevices

*Based on DAO 2004-15 or succeeding amendments

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR CALABNOAN CAVE, CAMANTAYA, SAN AGUSTIN,

c. Guano characterization

Sample #	Species (e.g. fruit bat, insect)	Location (station #)	Depth	Area (m ²)	Physical Characteris tics (e.g. texture,	Relative age (old or new)	Other observations (presence of feathers, plant
1, 2 & 3	Insect bats	Sta. 7, 8 & 17	20 cm	5 per sta.	Very fine	new	Presence of feathers/insects

2.2. Fauna outside the cave.

Scientific name	Common name	Abundan ce	Location (station #)	Conservation Status*	Remarks
<i>Acerodon jubatus</i>	Golden- crowned fruit bat	>10	0-2	Critically Endangered (DAO-2019-09)	Observed roosting site at <i>Ficus</i> trees
<i>Phapitreron amethystinus</i>	Amethyst brown dove	>50	0-17	Critically Endangered (DAO-2019-09)	Observed bird calls
<i>Loriculus philippensis</i>	Colasisi	>50	0-7	Critically Endangered (DAO-2019-09)	Observed bird calls
<i>Hypsipetes siquijorensis</i>	Streak- breasted bulbul	>50	0-17	Critically Endangered (DAO-2019-09)	Observed bird calls
<i>Rhipidura sauli</i>	Tablas fantail	>50	0-17	Endangered (DAO-2019-09)	Observed bird calls
<i>Ninox spilonota</i>	Romblon hawk-owl	>30	0-17	Endangered (DAO-2019-09)	Observed bird calls (Night)
<i>Haliastur indus</i>	Brahminy Kite Eagle	>10	0-17	Other wildlife species (DAO- 2019-09)	Breeding
<i>Gecko gecko</i>	Tokay Gecko	>20	0-17	Other wildlife species (DAO- 2019-09)	Seen at karst crevices/trees
<i>Varanus (Phillipinosauru s) olivaceus</i>	Gray's monitor lizard	>5	Adjacent to 0-3	Vulnerable (DAO-2019-09)	Observed near water bodies
<i>Todiramphus winchelli</i>	Rufous-lored kingfisher	>20	0-17	Vulnerable (DAO-2019-09)	Observed bird calls

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR CALABNOAN CAVE, CAMANTAYA, SAN AGUSTIN,

<i>Centropus viridis</i>	Philippine Coucal	>20	Adjacent to 0-17	Other wildlife species (DAO-2019-09)	Heard bird calls
<i>Oriolus chinensis</i>	Black-naped Oriole	>20	Adjacent to 0-17	Other wildlife species (DAO-2019-09)	Heard bird calls
<i>Ceyx melanurus</i>	Philippine dwarf kingfisher	>20	Adjacent to 0-17	Vulnerable (DAO-2019-09)	Heard adjacent to the cave
<i>Malayopython reticulatus</i>	Reticulated python	>5	Adjacent to 0-17	Other threatened species (DAO 2019-09)	Presence at the cave floor
<i>Orthoptera</i>	Grasshoppers, crickets	>100	0-17	Not threatened	Seen
<i>Diplopoda</i>	Millipedes	>20	0-17	Not threatened	Seen on the ground/trail

*Based on DAO 2004-15 or succeeding amendments

3.Geology

3.1. Speleothems inside Tabuk Cave

Speleothem	Approximate no.	Zone		Remarks (e.g. damaged, dirty, etc.)
		Twilight	Dark	
Stalactites	124	/	/	Intact
Stalagmites	73	/	/	Intact
Draperies	11	/	/	Intact
Flowstone Sheets	71	/	/	Intact
Columns	5		/	Intact
Mammillary	11		/	Intact
Erratic Forms (crystal growth controlled)	X			
Shields	1		/	Intact
Helictites	X			
Botryoidal Forms (popcorns, grapes, etc.)	X			
Anthodites	X			
Oulopholites (gypsum flowers)	X			
Moonmilk	X			
Subaqueous Forms	X			

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR CALABNOAN CAVE, CAMANTAYA, SAN AGUSTIN,

Rimstone dams (gour pools)	X			
Concretions of various kinds limestone concretions e.g. cave pearls, iron, basalt)	X			
Pool deposits	X			
Crystal Linings	Abundant	/	/	Intact
Bell Canopies	X			
Others				

3.2. Mineral deposits inside the cave. None.

Mineral	Location (station #)	Remarks
Aragonite	None	None
Calcite	0-7	Few
Dolomite	None	None
Huntite	None	None
Hydromagnesite	None	None
Magnesite	None	None
Others	None	None

3.3. Other geological features inside the cave.

Features 4.H	Location (station #)	Remarks
Faults y	N/A	N/A
Joints d	N/A	N/A
Cracks r	N/A	N/A
Fossils (paleontological feature) o l o g y	N/A	N/A
Others		

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR CALABNOAN CAVE, CAMANTAYA, SAN AGUSTIN,

4. Hydrology

4.1. Hydrological features inside the cave. None

Features	Location (station #)	Flow		Origin		Size/ Volume	pH	Tempe- rature	Remarks
		Peren- nial	Inter- mit- tent	Natu- ral	Man- made				
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*for rivers, indicate direction of flow relative to the entrance. Indicate location and reference points.

4.2. Hydrological features outside the cave (within 2km radius).

Features	Loca- tion (station #)	Flow		Origin		Size/ Volume	pH	Tempe- rature	Remarks
		Peren- nial	Inter- mittent	Natu- ral	Man- made				
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/ A	N/A	N/A
Creek	0-1	N/A	/	/	N/A	-	-	-	-

5. Cave Hazards. Please indicate if any of the following are present. Please indicate location inside the cave.

Cave Hazards	Location (station #)	Remarks
Bad air ¹ (from guano, poor air circulation, low supply of oxygen)	12-17	Poor air circulation
Presence of swiftly running underground river system	N/A	N/A
Deep sumps or pools	N/A	N/A
Flooding indicators	N/A	N/A
Vertical pitches/entrances	N/A	N/A
Tight crawlways/squeezes	12	Cave entrance only

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR CALABNOAN CAVE, CAMANTAYA, SAN AGUSTIN,

Presence of rockfall	0-1	Hanged boulder
Cavern roof collapse	0-1	Cracked boulder
Deep mud	N/A	N/A
Unstable flooring	N/A	N/A
Sharp rocks	N/A	N/A
Spalling ²	N/A	N/A
Heaving ³	N/A	N/A
Extremely cold temperatures	N/A	N/A
Others	N/A	N/A

¹refers to the condition of air in caves characterized by low levels of oxygen, high levels of carbon dioxide and other hazardous gases such as methane. Low levels of oxygen and high levels of carbon dioxide in caves or certain cave passages pose dangers to the human body. Bad air is indicated by hyperventilation, increased heart rate, dizziness, dry acidic taste in the mouth, increased pulse rate, labored breathing, and headache. Annexes C to E provides general information on the relationship between caves and levels of CO₂ and O₂.

²refers to breaking down or chipping off of rock faces/surfaces due to stress

³refers to a process where cracks form in the rock due to subsidence

III. ANTHROPOLOGICAL FEATURES

Are there indigenous peoples (IP's) or settlers living within the general location? If yes, then specify the name of the IP and other information listed below.

IP	Approximate Population	Livelihood Activities	Traditional Uses/ Cultural Activities
None	N/A	N/A	N/A

IV. ARCHAEOLOGICAL FEATURES

Are there artifacts and/or ecofacts on the present floor area of the cave, rock shelter or overhang?

_____ Yes /_____None *If yes, indicate location/s (station #/chamber).*

Artifacts	Location (station #)	Remarks
Stone tools (flaked)	N/A	N/A
Stone tools (polished)	N/A	N/A

Shell tools	N/A	N/A
Tradeware ceramics (porcelain, stoneware)	N/A	N/A
Pottery (earthenware)	N/A	N/A
Pottery (earthenware with designs)	N/A	N/A
Metal implements	N/A	N/A
Wooden coffins	N/A	N/A
Ecofacts		
Fossils	N/A	N/A
Human bones	N/A	N/A
Animal bones	N/A	N/A
Wood	N/A	N/A
Shells (land)	N/A	N/A
Shells (freshwater)	N/A	N/A
Shells (marine)	N/A	N/A
Artworks		
Charcoal drawings	N/A	N/A
Hematite paintings	N/A	N/A
Engraved artwork	N/A	N/A
Others		

V. THREATS, PROBLEMS AND POSSIBLE SOLUTIONS

Identify and describe the actual and/or potential threats, conflicts (man-made or natural) and other forms of disturbances that would affect the integrity of the cave.

Threats/Problems	Current	Potential	Possible Solutions	Remarks
Deforestation		/	Declare the cave as protected area through LGU resolution/ ordinance	DENR shall assist LGUs in delineation and zonation of the area in collaboration with private landowners
Agriculture	/		Promote agroforestry technologies	MLGU/NGA's Extension Project/Program
Urbanization	N/A	N/A	N/A	N/A
Industrialization	N/A	N/A	N/A	N/A

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR CALABNOAN CAVE, CAMANTAYA, SAN AGUSTIN,

Tourism and Recreation		/	Adopt MOA	Private landowner, MLGU and DENR
Chemical Waste	N/A	N/A	N/A	N/A
Water Exploitation (dams, groundwater pumping, inundation)	N/A	N/A	N/A	N/A
Treasure hunting	N/A	N/A	N/A	N/A
Used by insurgents	N/A	N/A	N/A	N/A
Others: Extracting Guano & Hunting of Bats	/	N/A	Conduct regular patrolling and adopt Municipal & Barangay Ordinance/ Resolution	DENR & LGUs

VI. POTENTIAL USES OF THE CAVE

Potential Uses	Remarks
Scientific Research	The cave is suitable for any research activities regarding cave ecosystem, geological and other related studies.
Tourism and Recreation	Guided Tours will be promoted upon approval of its classification and cave management plan.
Exploration	Possible cave passage at the outermost part of cave opening (adjacent to Sta. 0-2).
Others	None

VII. RECOMMENDATIONS

Based on the result of Calabnoan Cave Resource Assessment and Initial Classification, the Team recommends its initial classification as Class II (DMC 2007-04). The cave possessed sensitive geological and biological values. It is necessary to temporarily close the cave pending its final classification and management plan adoption. The LGUs shall pass resolution and or/ ordinance to strictly enforce the protection of the cave from any human disturbance.

Since the cave is within private land, a Memorandum of Agreement (MOA) among the DENR-LGU-Private land owner shall be forged using prescribed template under DENR-PAWB Technical Bulletin No. 2013-05.

Prepared and submitted:


ENGR. RAYMUND G. INOCENCIO
 PO III/ Cave Focal Person

PHOTODOCUMENTATIONS



Vertical Feature of Calabnoan Cave

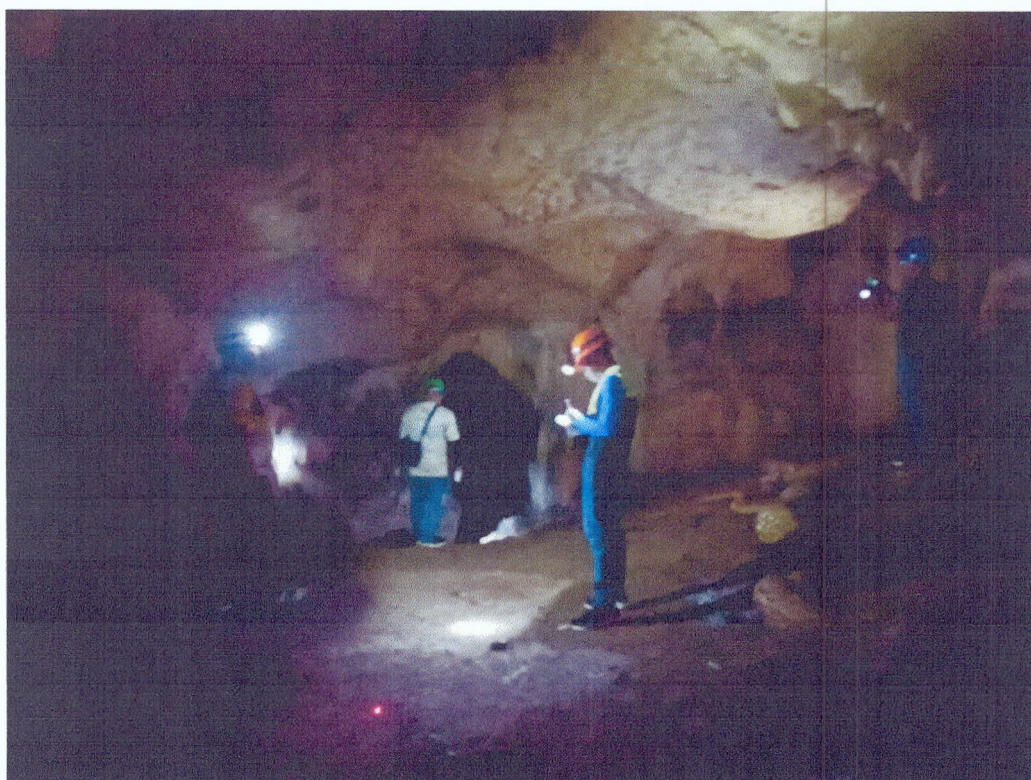


Cave Opening with Balet Tree

PHOTODOCUMENTATIONS

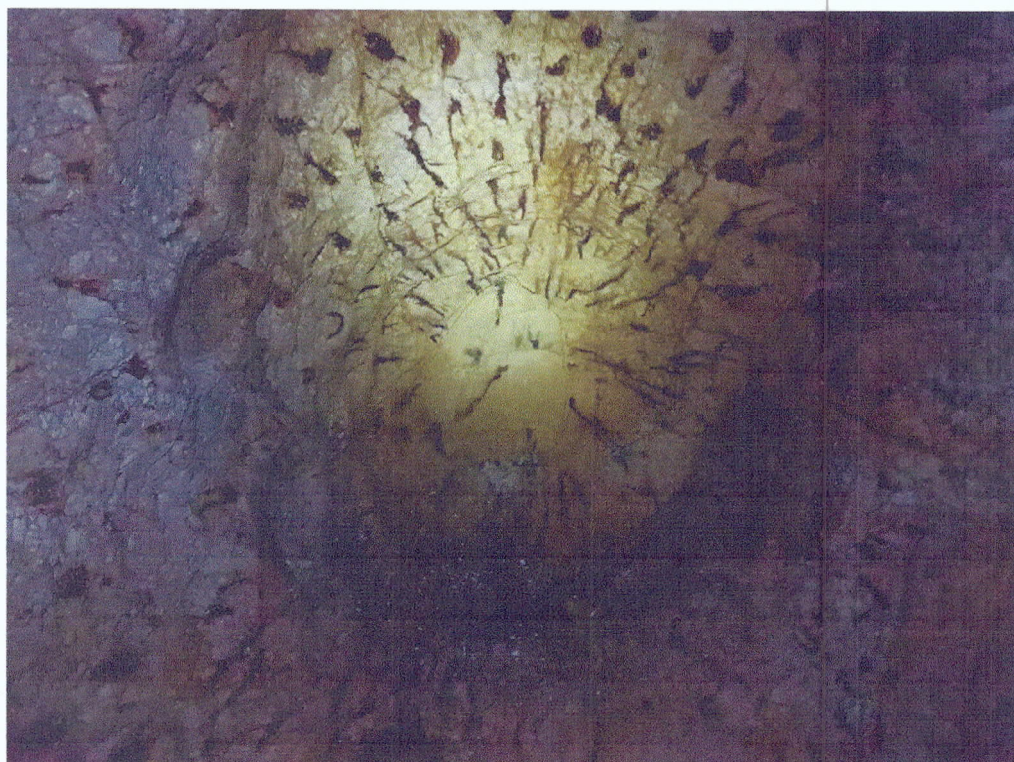


Stalactites at the Cave Mouth/Entrance



Cave Assessment Team conducted inventory at the 1st chamber

PHOTODOCUMENTATIONS

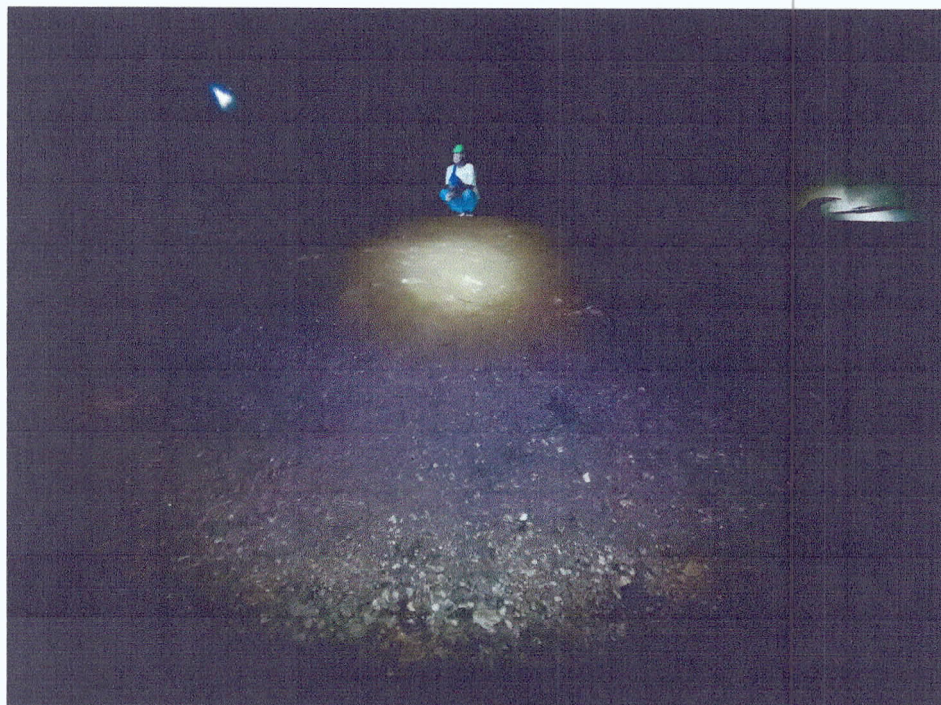


Bat stains found at the cave ceiling



Columns and Stalagmites

PHOTODOCUMENTATIONS



Main Gallery of the Cave



Stalactites

PHOTODOCUMENTATIONS



Giant Whip Spider



Cave Crickets

PHOTODOCUMENTATIONS

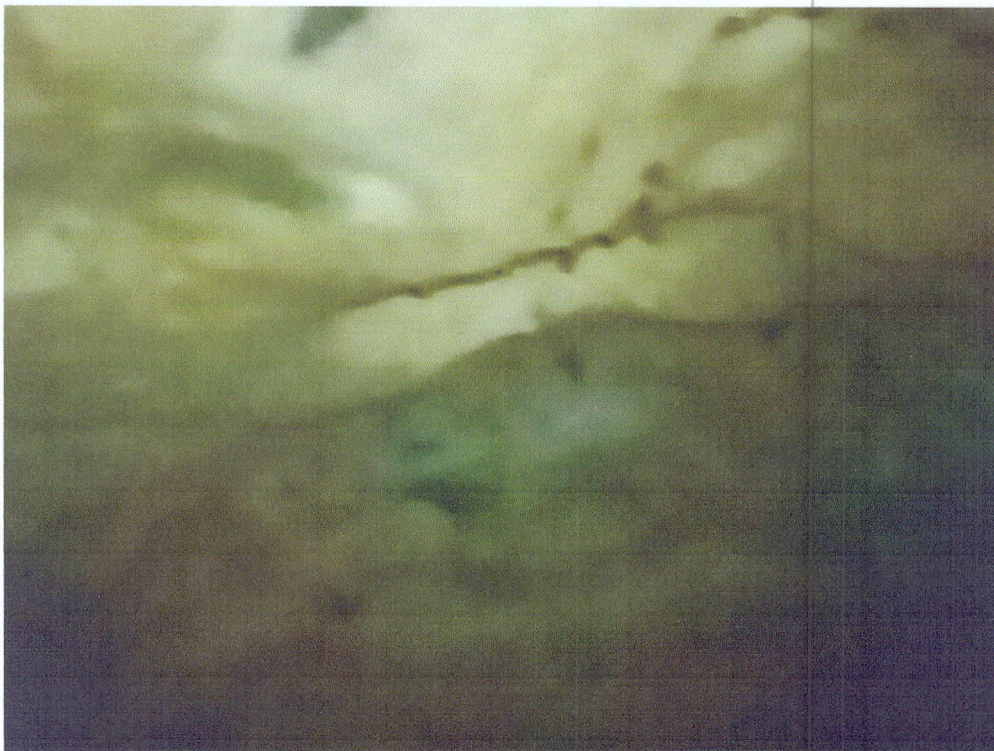


Threat: Jolen from Alcohol Gun or Jolen Gun

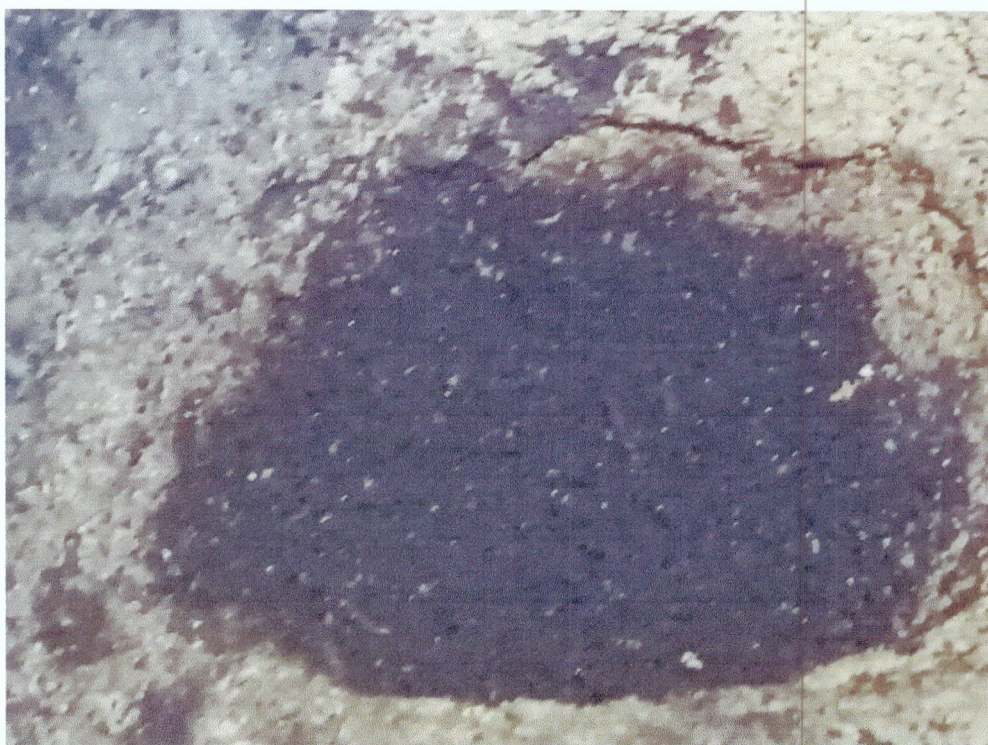


Threat: Net used by Bat Hunters

PHOTODOCUMENTATIONS



Insect bats

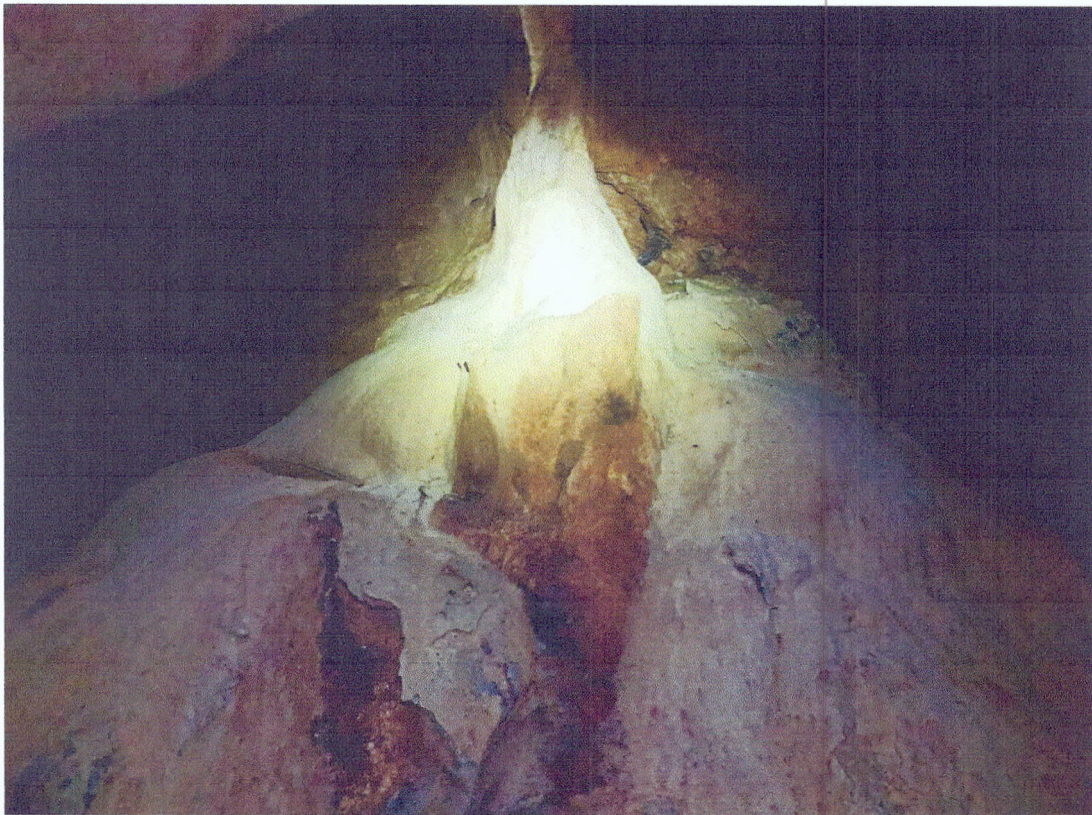


Guano deposit

PHOTODOCUMENTATIONS

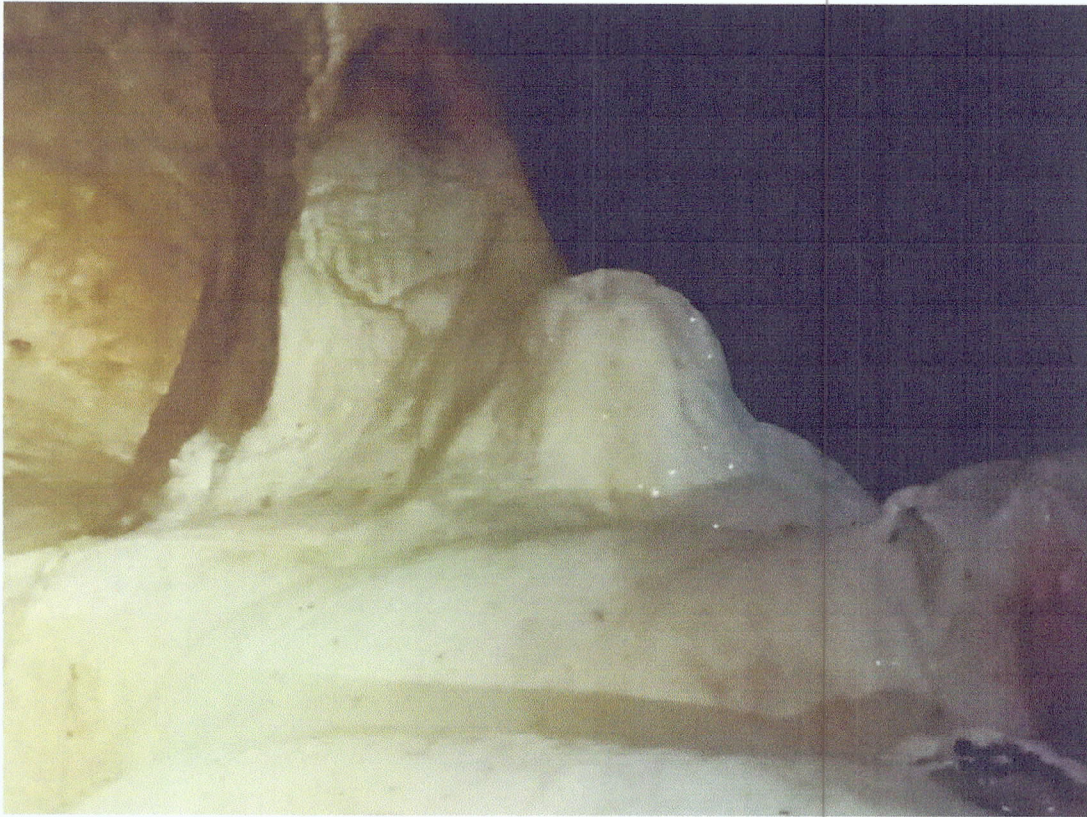


Tight cave passage at Sta. 11



Flowstone

PHOTODOCUMENTATIONS

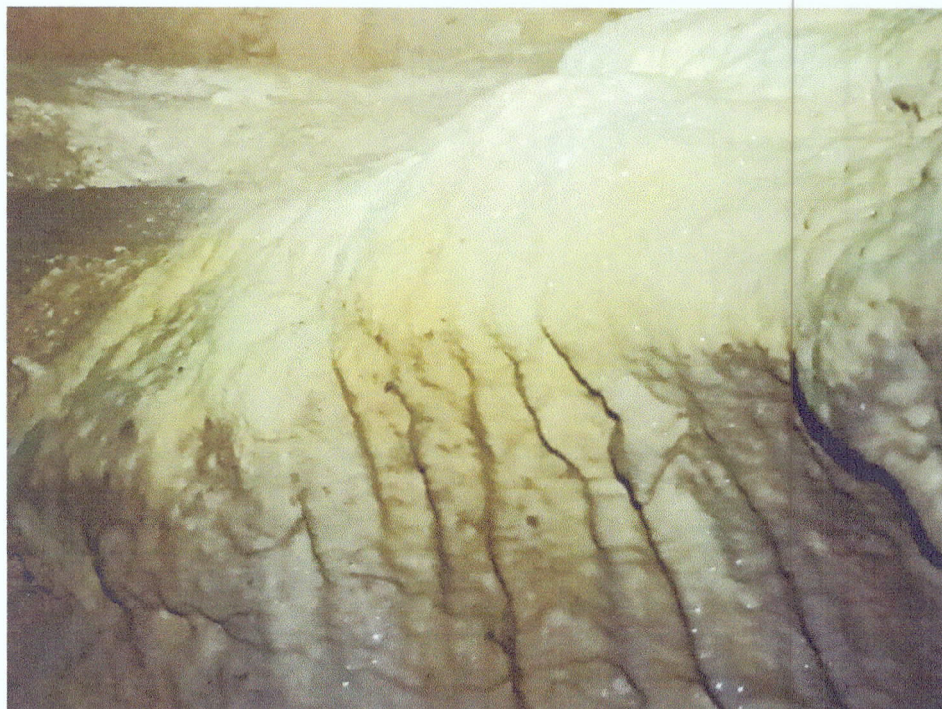


Stalagmite w/ flowstone

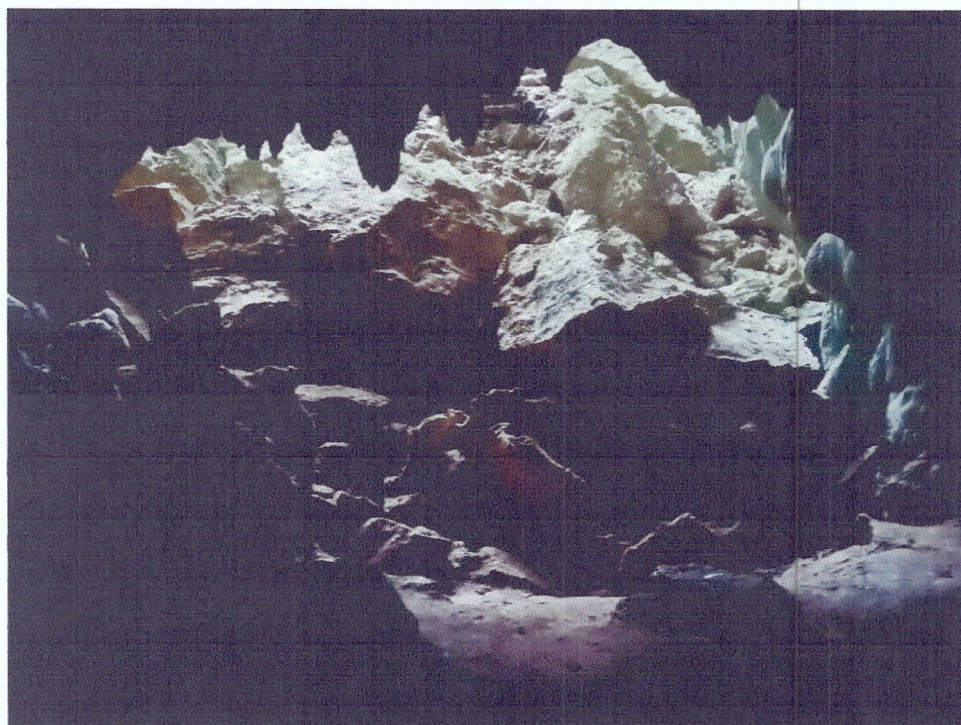


Flowstone

PHOTODOCUMENTATIONS



Flowstone



Cave Entrance and Exit

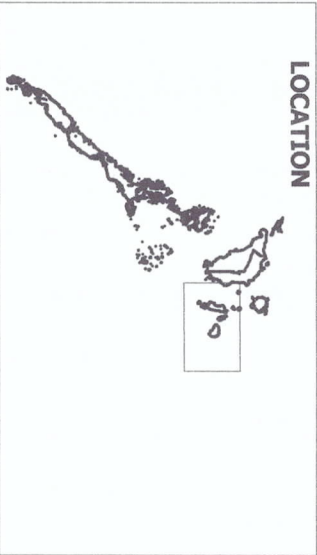
Calabnoan Cave
Barangay Camantaya
Municipality of San Agutsein
Province of Romblon

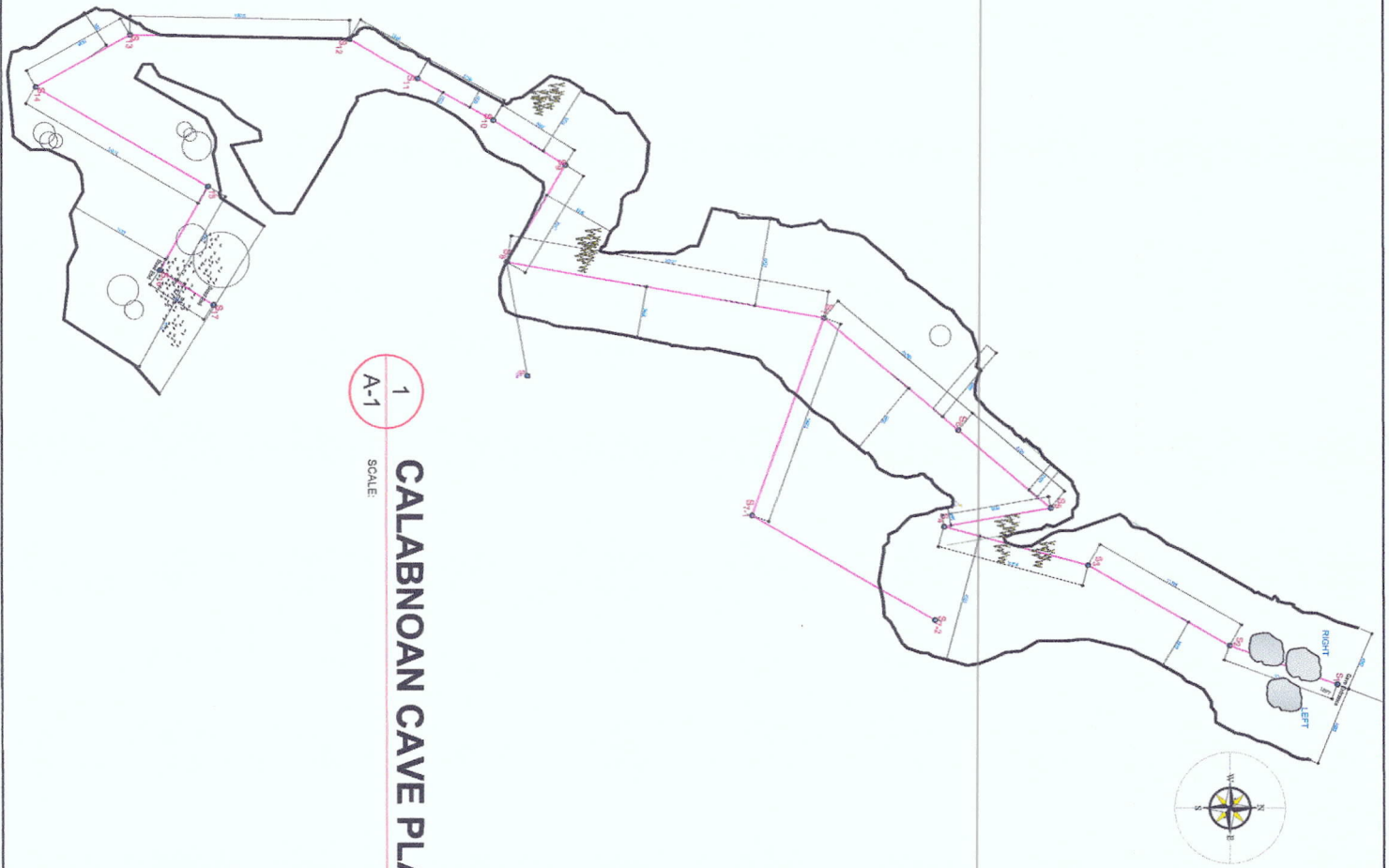


Universal Transverse Mercator-Zone 51
SCALE : 1:210000
0
> 1 m

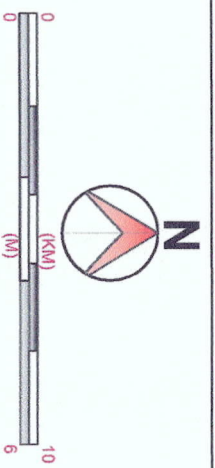
LEGEND

- Calabnoan Cave
- Timberland
- Municipal Boundary





1
A-1
CALABNOAN CAVE PLAN VIEW
SCALE
NTS.



Location: Brgy. Camantaya, San Agustin, Romblon
Universal Transverse Mercator (UTM), ZONE 51 N
Philippine Reference System of 1992 (PRS92)

Legends:

NOTE: This indicates the Boundaries of the Cave based on the assessment undertaken by the Cave Assessment Team.

Location Map

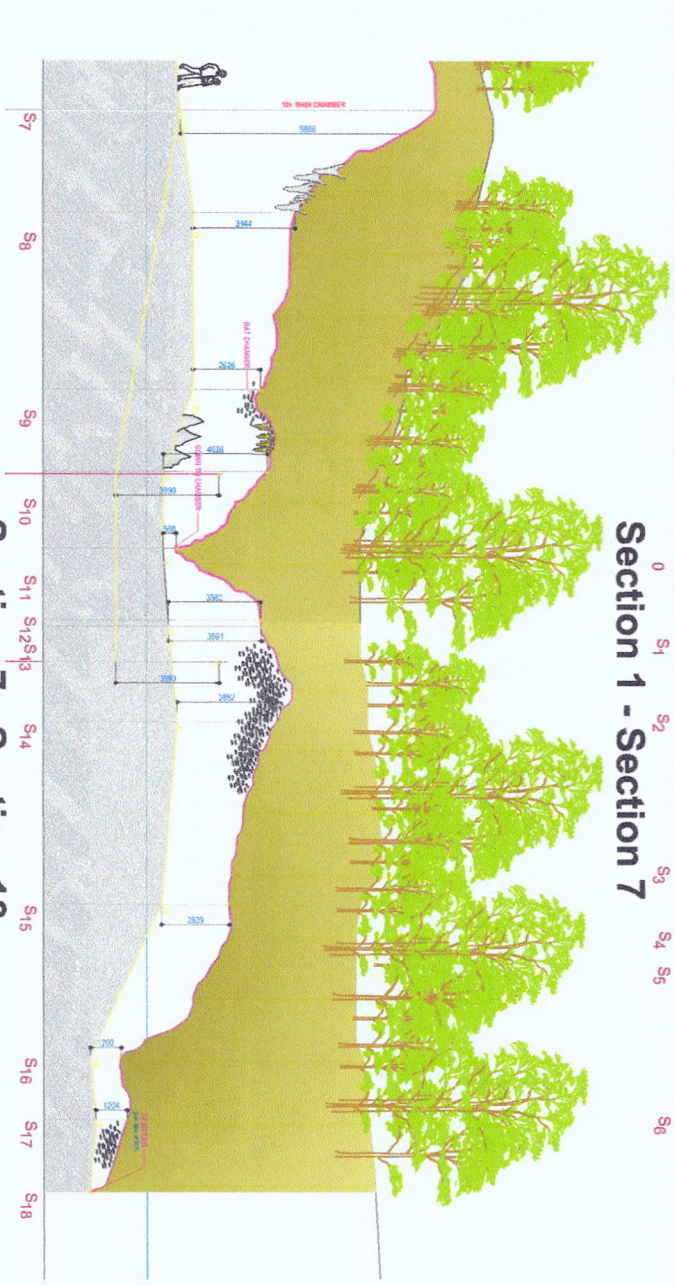


Prepared by: _____ Under the Supervision of: _____
Cartographer: _____ Chief, Conservation and Development Division
Attested by: _____ Noted by: _____
ARD for Technical Services





Section 1 - Section 7



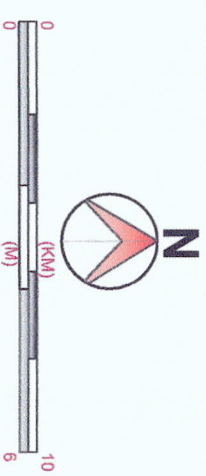
Section 7 - Section 18

CALABNOAN CAVE PROFILE VIEW

1
A-3

SCALE:

NTS.



CALABNOAN CAVE

Location: Brgy. Camantaya, San Agustín, Romblon
Universal Transverse Mercator (UTM), ZONE 51 N
Philippine Reference System of 1992 (PRS92)

Legends:

NOTE: This indicates the Boundaries of the Cave based on the assessment undertaken by the Cave Assessment Team.

Location Map

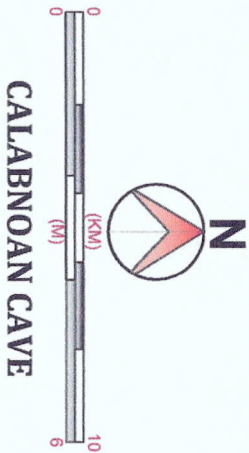


Prepared by: _____ Under the Supervision of: _____

Cartographer _____ Chief, Conservation and Development Division

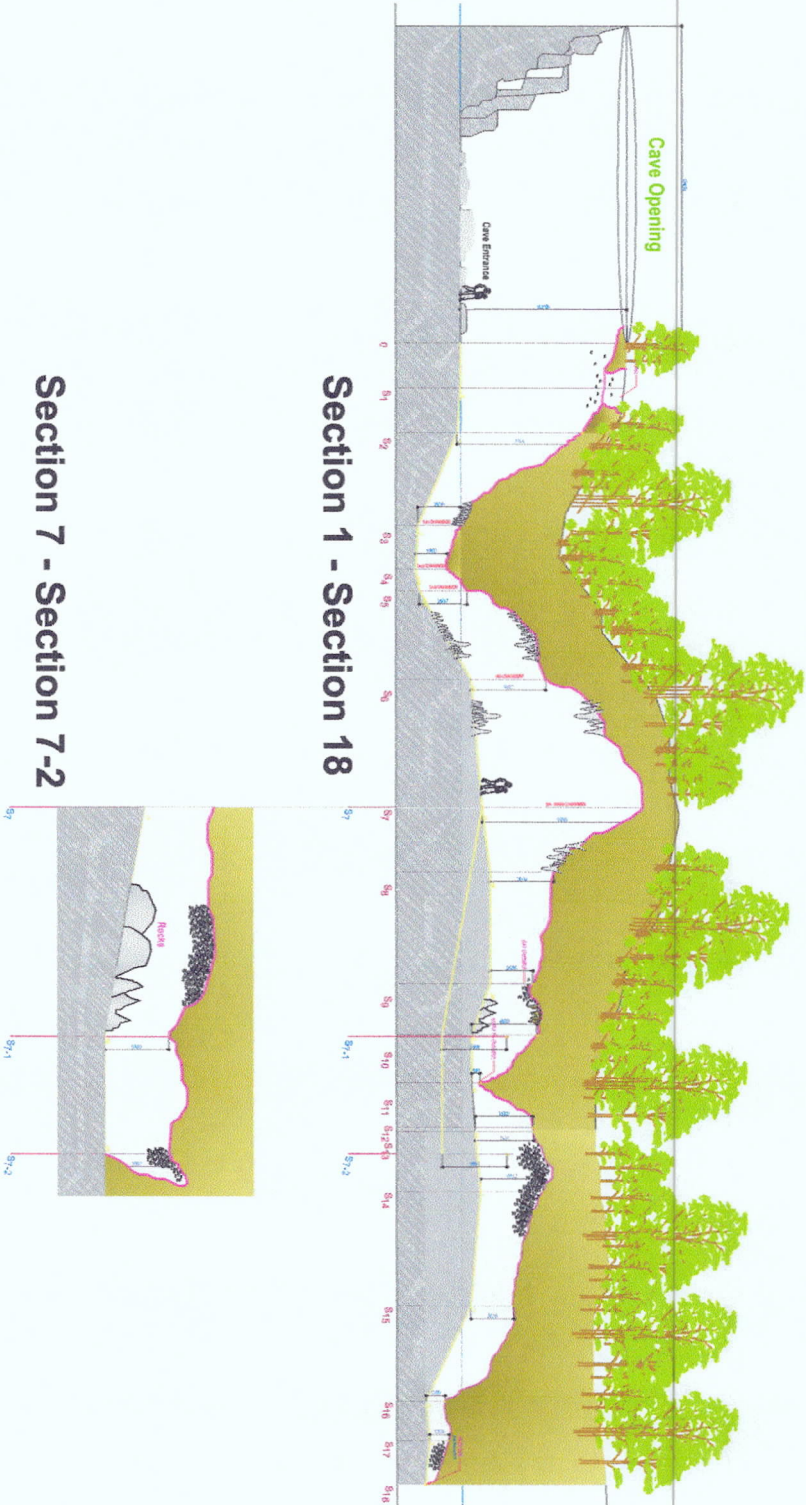
Attested by: _____ Noted by: _____ ARD for Technical Services





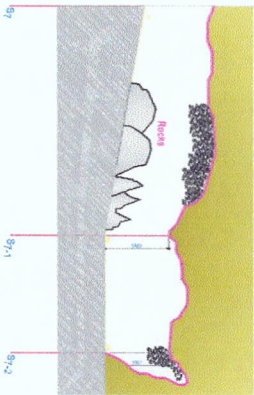
Location: Brgy. Camantaya, San Agustín, Romblon
Universal Transverse Mercator (UTM), ZONE 51 N
Philippine Reference System of 1992 (PRS92)

Legends:



Section 1 - Section 18

Section 7 - Section 7-2



CALABNOAN CAVE PROFILE VIEW

1

SCALE:

NTS.

NOTE: This indicates the Boundaries of the Cave based on the assessment undertaken by the Cave Assessment Team.

Location Map



Prepared by:

Under the Supervision of:

Cartographer

Chief, Conservation and Development Division

Attested by:

Noted by:

ARD for Technical Services





Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region *III-A*

January 31, 2023

PENRO SPECIAL ORDER NO. 25-17
Series of 2023

SUBJECT: AUTHORIZING THE CONDUCT OF CAVE RESOURCE
ASSESSMENT AND INITIAL CLASSIFICATION TO BE HELD
AT SAN AGUSTIN, ROMBLON ON APRIL 19-21, 2023

In the interest of the service and in order to facilitate the conduct of Cave Resource Assessment and Initial Classification for Calabnoan Cave in the municipality of San Agustin, Romblon, the selected personnel are hereby authorized to attend in the said activity on April 19-21, 2023, to wit:

- | | |
|------------------------------|--------------------------------------|
| 1. ARNOLDO A. BLAZA JR. | - OIC, PENR Officer |
| 2. MALVIN R. ROCERO | - Chief, Technical Services Division |
| 3. ARLYN D. BALIBAG | - Chief, CDS |
| 4. RAYMUND G. INOCENCIO | - PASu / Planning officer III |
| 5. JANICE F. FORCADAS | - ECOMS I |
| 6. JOEVIN CRIS G. FODRA | - FOREST RANGER |
| 7. FELIX CARL F. FALQUERABAO | - SRS II/MGB |
| 8. LORABEL M. URETA | - LMI |
| 9. MA. CARMELA F. ARQUERO | - AA VI/Inspection |
| 10. DOLLY JANE F. FALCUTILA | - CREDIT OFFICER I/Inspection |

They shall coordinate with the concerned food caterer and assist in the preparation of the venue of the activity.

They shall prepare and distribute letter of invitation for the respective participants.

They shall submit report within seven (7) working days after the conduct of the activity.

Expenses incurred are chargeable against CDS fund subject to the existing COA laws, rules and regulations.

This order takes effect immediately.

ARNOLDO A. BLAZA JR.



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region 407-1

April 11, 2023

HON. ESTEBAN S.F. MADRONA

Municipal Mayor
Municipal Mayor

San Agustin, Romblon

Attention: **HON. ERNIE S. GAMO**
Punong Barangay
Camantaya, San Agustin

Dear Mayor Madrona:

Greetings in conservation!

Please be informed that this Office will be conducting Calabnoan Cave Resource Assessment and Initial Classification in Barangay Camantaya, San Agustin, Romblon on April 19-21, 2023 that aims to orient partner LGU's and other key stakeholders on cave related policies and resource assessment; gather data and inventory of cave resources; and initially classify the cave for its sustainable development.


In this regard, we are extending our warmest invitation to you and other five (5) officials from the MPDO, MDRMO, MENRO, Municipal Agriculture Office, SB Chair on Environment and fifteen (15) participants from Barangay LGU of Camantaya, San Agustin, Romblon.

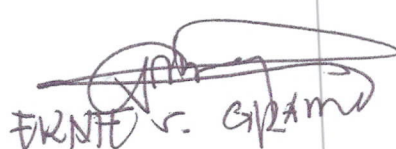
Attached is the program of activities for your immediate reference.

We are anticipating for your usual support and cooperation in this regard.

Thank you so much and God Bless!

Very truly yours,


ARNOLDO A. BLAZA, JR.
OIC, PENR Officer


ERNIE S. GAMO 04/12/23

OFFICE OF THE MAYOR
for: Sr. 04/12/2023
MARIA ROSA M. AQUINO
Senior Administrative Asst. III
10:45 AM



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region 409-1

April 11, 2023

HON. ESTEBAN S.F. MADRONA

Municipal Mayor
Municipal Mayor

San Agustin, Romblon

Attention: **HON. ERNIE S. GAMO**

Punong Barangay
Camantaya, San Agustin

Dear Mayor Madrona:

Greetings in conservation!

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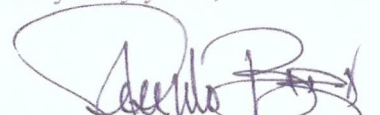
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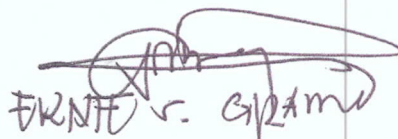
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Thank you so much and God Bless!

Very truly yours,


ARNOLDO A. BLAZA, JR.
OIC, PENR Officer



 04/12/23
ERNIE S. GAMO

OFFICE OF THE MAYOR
04/12/2023
MARIA AQUINO M. AQUINO
Senior Administrative Asst. III
10:45 AM



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

SCHEDULE OF ACTIVITIES
CALABNOAN CAVE RESOURCE ASSESSMENT AND INITIAL CLASSIFICATION
San Agustin, Romblon *April 19-21, 2023

DAY/TIME	ACTIVITIES/TOPICS	FOCAL PERSON
Day 1- April 19, 2023		
8:00 – 9:00	Arrival & Registration	Secretariat
9:01 – 9:30	Opening Program Prayer National Anthem Welcome Remarks Message Photo Opportunity	HOST- CDS For. Malvin R. Rocero Chief, TSD Hon. Esteban S.F. Madrona Mayor, San Agustin For. Arnoldo A. Blaza, Jr. OIC, PENR Officer
9:31 – 11:30	Orientation on Cave Resource Assessment and Its Relevant Policies	Resource Person
11:31-12:00	Q & A portion	Moderator
12:01 – 1:00	Lunch Break	
1:01 – 3:00	Presentation on the Enhanced Cave Assessment Form	Resource Person
3:01 – 3:30	Q & A portion	
3:31 – 5:00	Practical Exercise (by Team)	Resource Person
Day 2- April 20, 2023		
7:00 – 7:30	Breakfast & Registration	Secretariat
7:31 – 8:00	Field Briefing	HOST- CDS/LGU
8:01 – 12:00	Calabnoan Cave Resource Assessment	By Team
12:01 – 1:00	Lunch Break	
1:01 – 3:00	Continuation	Participants and Resource Person



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

3:01 – 5:00	Initial Processing of Data	By Team	
Day 3- April 21, 2023			
7:00 – 7:30	Breakfast & Registration	Secretariat	
7:31 – 8:00	Preliminaries	HOST- CDS/LGU	
8:01 – 12:00	Continuation on the Processing of Data and Preparation of Report	By Team	
12:01 – 1:00	Lunch Break		
1:01 – 4:00	Presentation of Outputs	By Team	
4:01 – 5:00	Closing Program	HOST- CDS	



Republic of the Philippines
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
Provincial Environment and Natural Resources Office
Odiongan, Romblon

CALABNOAN CAVE RESOURCE ASSESSMENT AND INITIAL CLASSIFICATION

Camantaya, San Agustin, Romblon
April 19, 2023

ATTENDANCE SHEET

No.	NAME	AGE	SEX		OFFICE	DESIGNATION	CONTACT NUMBERS)	SIGNATURE
			Male	Female				
1	JANICE F. FORCEROS	39		✓	DENR	ECOS 1		
2	Jonathan A. Alejida	44	✓		DENR	Driver		
3	MA. DAMELA F. ALBUQUERQUE	29		✓	DENR	A.A. VI		
4	KEISHA ALESSA BRILLO	27		✓	DENR	L.R.		
5	RTA M. MARAL	56		✓	BLGU	Brig. Kagawad		
6	SOPH M. MINDAS	29		✓	BLGU	BUS		
7	Maisha M. Pabonagan	35		✓		BHV		
8	ERIVERTUSA M. MERRA	63		✓	BLGU	Brig. Kagawad	09070081570	
9	Azmaria OLIVERA	41	✓		BLGU	Brig. Kagawad		
10	Nelia Mand	47		✓		Brig. Tanod		
11	JOHNNY TAN	47	✓		LGU			
12	Mary Ann MADRADO	26		✓		Brig. Tanod		
13	Wendeline E. Tan	59		✓	BLGU			
14	Kobue M. Dinos	65	✓		BLGU	Brig. Kagawad		
15	Florinae N. Talanison	33			BLGU	Brig. Tanod		



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April 19, 2023

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No.	NAME	AGE	SEX		OFFICE	DESIGNATION	CONTACT NUMBER(S)	SIGNATURE
			Male	Female				
16	Reeelyn S. Briones	21		✓	Barangay	PHH	091644073955	
17	Jeffrey M. JOHNSON	21	✓			BFP Intern		
18	JOHN Vincent Madari	18	✓			BFP Intern		
19	BERNARD M. MARIANO	25	✓		LGU - SAN AGUSTIN	AT	092982922677	
20	Ritchie B. Romero	47	✓		LGU - SAN AGUSTIN	CTD	09604605595	
21	KHEI M. TANI	40		✓	Camantaya Brgy. Kaganad	BLGU	0951142272	
22	GIL A. MADRILEJO	64	✓		SB - member	LGU	09204387228	
23	Concepcion Angela S. Buñag	35		✓	MOOC	MPO - LGU	09178092216	
24	Franz Jorrel T. Uaz	22		✓	Tourism office	Tourism officer / PIO	09060873496	
25	GIOVANNI R. JORDEN V. Jn. S	57	✓		MOONMID	UNMWA IV	09055159638	
26	Maricelle Y. Magallana	26		✓	DEUR	F-I	09308853046	
27	Malaverano, Felix Carl	27	✓		NLB	SRST	09166239096	
28	Crystal M. Galindez	19		✓		BFP Intern	09708410855	
29	Aneza Joy A. Mercado	18				BFP Intern	09708405332	
30	Cathryn M. Tan	18		✓		BFP Intern	09615898497	



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No.	NAME	AGE	SEX		OFFICE	DESIGNATION	CONTACT NUMBERS)	SIGNATURE
			Male	Female				
31	Meynard Salvador	19	/			BFP INTERN		
32	Brian Real	17	/			BFP INTERN		
33	Dolly Jane Falcutia	31		/	DENR - PENRO	DDI		
34	MAYILLAN L. MUDARAYO	47	/		Neuro	PC III	096257119802	
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CALABNOAN CAVE RESOURCE ASSESSMENT AND INITIAL CLASSIFICATION

Camantaya, San Agustin, Romblon

April 20, 2023

ATTENDANCE SHEET

No.	NAME	AGE	SEX		OFFICE	DESIGNATION	CONTACT NUMBER(S)	SIGNATURE
			Male	Female				
1	RITA M. MAGAL	56		✓	BLGU	Reg. Forester		Rita Magal
2	MR. CHEMELIN T. BRILLIDO	29		✓	DEM	P.H.M		
3	SOPHIA M. MORALES	29		✓	BLGU	BOS		Sophia Morales
4	JANICE F. FALCADO	37		✓	DEK	ECOM 1		Janice Falcado
5	Jonathan A. Astigera	44	✓		DEM	Driver		Jonathan Astigera
6	CHRISTINA M. MAGAL	62		-	BLGU	Reg. Forester	0929262111	Christina Magal
7	KIARA L. LACERDA	41	-		BLGU	Reg. Forester		Kiara Lacarda
8	KEISHA AYLSCA BRILLO			✓	DEM	L.R.		Keisha Brillido
9	MARY ANN MAGAL	26	✓	✓		Reg. Forester		Mary Ann Magal
10	MARCUS M. PABONON	35		-		Reg.		Marcus Pabonon
11	Florine N. Tolentino	33				Reg. Forester		Florine Tolentino
12	Reedyn S. Biron	21		✓	Benangay	P.H.M		Reedyn Biron
13	JEFFREY M. JOHNSON	21	✓			Reg. Forester		Jeffrey Johnson
14	Bernard M. Mariano	25	✓		LGU - SAN AGUSTIN	AT	09298292677	Bernard Mariano
15	Nelia Manuel	47		✓		Reg. Forester		Nelia Manuel



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No.	NAME	AGE	SEX		OFFICE	DESIGNATION	CONTACT NUMBER(S)	SIGNATURE
			Male	Female				
16	JOHN- TOR	47	✓		LGU			John- Tor
17	SCANDINE E. TOR	29		✓		Other		Scandine
18	Rose M. Torina	65	✓		BLGU	Brig. Kagawad		
19	GIL A. MADRILELOS	64	✓		LGU	SB - MEMBER	09704387285	
20	Imagines Angela S. Buñafu	75		✓	MPRO- LGU	MDIC	09118094440	Angela
21	Francis David F. Luz	22		✓	Tourism	Tourism - LGU OFFICER F-T	09060873496	Francis
22	Marielle V. Magallana	26		✓	DEAR			
23	JOHN VINCENT MADANI	17				BFP INTERN		John Vincent
24	Ameza Joy A. Mariano	18				BFP Intern	09708405330	Ameza
25	Meynard Salvador	19	✓			BFP INTERN		Meynard
26	Pilhelvin E. Purnero	47	✓		LGU - SAN AGUSTIN	CTD		
27	CATHY M. TOR	18		✓		BFP Intern	0916298437	Cathy
28	KERRY M. TOR	43		✓	BLGU - CAMANTAYA	BLGU	0951147272	Kerry
29	Arben M. T. Talavera	77	✓		MPRO	UPRM: IV	0905179630	Arben
30	FALGUEZANO, FELIX GARCIA	77	✓		MSB	SESTI	0916079090	Felix



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No.	NAME	AGE	SEX		OFFICE	DESIGNATION	CONTACT NUMBERS)	SIGNATURE
			Male	Female				
31	Crystal M. Galindez	19		✓		BFP Intern	091084081605	
32	Daisy Jane Faloutan	21		✓	DENV-PEUERO	ODJ	09942 78076057	
33	Brian Reol	17	✓			BFP Intern		
34	Maryann L. Macerillo	47	✓		WBR	WBR	099383119822	
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CALABNOAN CAVE RESOURCE ASSESSMENT AND INITIAL CLASSIFICATION

Camantaya, San Agustin, Romblon
April 21, 2023

ATTENDANCE SHEET

No.	NAME	AGE	SEX		OFFICE	DESIGNATION	CONTACT NUMBER(S)	SIGNATURE
			Male	Female				
1	SCOTTA M. MENDOZA	29		✓	Bldg	ENS		
2	ERIKSON M. MENDOZA	43		✓	Bldg	Perp. Incharge	09856691577	
3	JONATHAN A. ASTORGA	44	✓		DENR	Driver		
4	ALVARO MENDOZA JR.	41	✓		Bldg	Blk. / caretaker		
5	JOEL D. TOL	47	✓		LGU	BI		
6	WENDOLINE E. JAN			✓		PRHO		
7	RAUL M. ORION	45	✓		Bldg	Brgr. Incharge		
8	JANICE F. FORTADO	39	✓	✓	DENR	ECOMS I		
9	RECELYN J. BICHEL	29		✓	Calabango	B. H W		
10	JOHN VINCENT MADANI	18	✓			BFP INTER		
11	RICHARD B. PERMAN	47	✓		Calab - SAN Bldg 172	CRD		
12	MARCAHITA F. MEDRANO	39		✓	DENR	B. H. W		
13	RAY M. MORALES	50		✓	Bldg	Brgr. Incharge		
14	MARTIN ANTONIO MORALES	26		✓		Brgr. Incharge		
15	MARISA M. PANTORON	35		✓		Bldg		



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			Male	Female				
16	Nidia Menal	47		✓		Brgy Tard		Menal
17	Florinae N. Talamison	37				Brgy Tard		Talamison
18	Nestor M. Tard	49		✓	Bkt. Camantaya	Bkt.		Tard
19	Kelcia ALXCA BRILLO	27		✓		L.R.		Brillo
20	Jeffrey M. JOHNSON	21	✓			BFP intern		Johnson
21	Geneth M. Panaligan	51	✓		Camantaya	Camantaya W		Panaligan
22	Crystal M. Galindez	17		✓		BFP intern		Galindez
23	Falquerabao, Felix CARILF	27	✓		NGP	SEST	09166939096	Carilf
24	Bernard M. Mariano	25	✓		LGU - SAN AGUSTIN	AT	09298292672	Mariano
25	GIL A. MADRICES	64	✓		LGU	SB-MEMBER	09204387287	Madrices
26	Manille V. Magallana	26		✓	DEOR	F-I		Magallana
27	Concepcion Mada S. Bufad	35		✓	MDM-LOBI	MDM	0977809496	Bufad
28	Francisco F. UAT	22		✓	Tourism	Tourism officer	09060873496	UAT
29	Aneesa Joy A. Merano	18				BFP Intern	09708405330	Merano
30	Cathryn M. Tan	18		✓		BFP Intern	097015798437	Tan



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			Male	Female				
31	Brian Reol	17	✓			BFP INTERN		
32	ARMANDO G. JACOBARDO	42	✓		ASDR	PO 14	0987551282	
33	Maynard Salvador	19	✓			BFP INTERN		
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