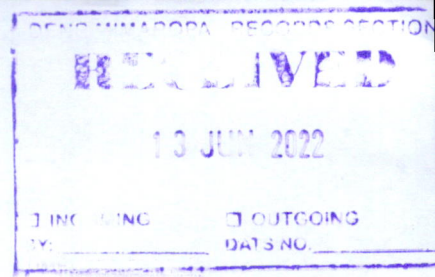




Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region 416



May 10, 2022

MEMORANDUM

FOR : The Regional Executive Director
MIMAROPA Region

THRU : The Assistant Regional Director
for Technical Services

FROM : The PENR Officer
Odiongan, Romblon

SUBJECT : SUBMISSION OF REPORT ON TRANGKAL CAVE RESOURCE
ASSESSMENT AND INITIAL CLASSIFICATION IN THE
MUNICIPALITY OF ODIONGAN, ROMBLON ON APRIL 20-22,
2022

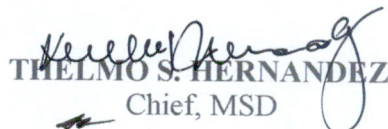
Respectfully submitting is the Memorandum of ECOMS II Raymund G. Inocencio, Cave Focal Person dated May 10, 2022 regarding the conduct of Trangkal Cave Resource Assessment and Initial Classification in the Municipality of Odiongan, Romblon on April 20-22, 2022.

Based on the above assessment, this Office successfully oriented key stakeholders comprising of Barangay LGU in Tuburan and Municipal LGU in Odiongan, Romblon on cave related policies and resource assessment; gathered data and inventory of cave resources; and initially recommend Trangkal Cave to be under Class II per DMC 2007-04 for its sustainable development and management.

Please see attached Highlights of Activities and the enhanced "Cave Assessment and Initial Classification of Trangkal Cave" located at Purok Malipayon, Tuburan, Odiongan, Romblon.

For information and record.

"For and In the Absence of PENR Officer: "


THELMO S. HERNANDEZ
Chief, MSD



May 10, 2022

MEMORANDUM

FOR : The PENR Officer

THRU : OIC Chief, Technical Services Division

FROM : The Team Leader, Cave Assessment Team

SUBJECT : HIGHLIGHTS OF TRANGKAL CAVE RESOURCE ASSESSMENT AND INITIAL CLASSIFICATION REPORT CONDUCTED IN THE MUNICIPALITY OF ODIONGAN, ROMBLON ON APRIL 20-22, 2022

Per DENR- PENRO Special Order No. 22-17, please be informed that the undersigned facilitated the conduct of Trangkal Cave Resource Assessment and Initial Classification held in the Municipality of Odiongan, Romblon on April 20-22, 2022.

I. BACKGROUND

The DENR-PENRO targeted and conducted cave resource assessment and initial classification of Trangkal Cave located at Purok Malipayon, Barangay Tuburan, Odiongan, Romblon funded under WFP 2022. This cave is one of the one-hundred seven (107) caves identified by Conservation and Development Section (CDS) in year 2020.

Geographically, the cave found within seven hectares critical watershed of the said barangay. The total land area of this barangay is 253 hectares with a total population of 2,206 as of 2022 BLGU Tuburan Data. It is composed of five different sitio's namely Maghali, Masikap, Bagong-Anyo, Pag-asa and Malipayon.

On the said 2020 cave identification, Trangkal Cave is the largest among other caves in the Municipality of Odiongan that possessed geological formations with diverse flora and fauna as well as subterranean river found within the cave. 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; 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

Trangkal Cave Resource Assessment and Initial Classification met the following objectives:

- 1.) Oriented partner LGU’s and other key stakeholders on cave related policies and resource assessment;
- 2.) Gathered data and inventory of cave resources; and
- 3.) Initially classified Trangkal 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 with cave rescue while the remaining two days allotted to fieldwork, processing, presentation and planning/way-forward of Trangkal Cave located Purok Malipayon, Barangay Tuburan, Odiongan, 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 CY 2022 Cave Resource Assessment and Classification.

V. RESULTS

The recently conducted three-day orientation with fieldworks on “Trangkal Cave Resource Assessment and Initial Classification” started through a one-day orientation with practicum especially on cave rescue held at Avisha Resort, Budiong, Odiongan on April 20, 2022. The remaining two days were allotted to actual fieldwork, processing of data, presentation and planning/way forward held at Barangay Hall of Tuburan, Odiongan, Romblon on April 20-22, 2022. About thirty participants comprised of Municipal and Barangay LGU’s, youth representative, IP’s/local communities, and personnel of DENR PENRO actively attended the above learning event.



On April 20, 2022, about 9:00 A.M., ISA II Philippe Zar E. Meñez hosted the Opening Program. The invocation and singing of the Phil. National Anthem led by Hon. Tessie Famisan and Hon. Margie Fajarito respectively. Then, it followed by acknowledgement of participants by the host; welcome remarks by OIC- TSD Chief Thelmo S. Hernandez of DENR PENRO; and the message of the Local Chief Executive as delivered by Dr. Ramer M. Ramos.

Then, photo opportunities followed for both the DENR and the concerned LGUs.

Supervising ECOMS Gererado B. Sabigan presented the Rationale of the learning event and the program of activities. After this, ECOMS II Raymund G. Inocencio delivered lecture presentations on Status of Philippine Cave, Policies on Caves & Cave Res., Cave Assessment Form, Cave Mapping, and the Basic Caving & Minimum Impact Caving Code.

In the afternoon, Supervising ECOMS Gerardo B. Sabigan presented lectures on “Cave Biology-Flora and Fauna” respectively; MGB Geologist Felix Carl F. Falquerabao presented lecture on “Cave Geology” and lastly, the personnel of BFP Odiongan shared lectures with practicum on Cave Rescue. After presentations, open forum, grouping and reminders followed.

On April 21, 2022, the different teams proceeded and conducted Trangkal Cave Resource Assessment at Purok Malipayon, Tuburan, Odiongan, Romblon. On the third day, April 22, 2022, the different teams gathered at the Barangay Hall of Tuburan, Odiongan for the data processing/consolidation and presentation; initial classification and planning/way-forward involving the key stakeholders at the local level.

Based on the result of cave assessment, the concerned teams recorded about 27 species of trees; 10 avifauna including bats; 9 types of speleothems; and with the cave length of about 368 meters. Further, the adjacent cave namely Catayan also surveyed and measured about 79 meters long.

Initially, Trangkal cave classified as Class II based on its physical, geological and threatened species found within the cave.

The three-day learning event with fieldwork ended through a short closing program led by the DENR-PENRO CDS. **(Note: Please refer to the separate report on the enhanced “Cave Assessment of Trangkal Cave” with Map and Photos.)**

VI. RECOMMENDATION

Based on the assessment and initial classification of the Team, the “Trangkal Cave” found within the seven-hectare critical watershed characterized by Karst landscape at Purok Malipayon, Barangay Tuburan, Odiongan, Romblon. The cave is a solution cave with horizontal and vertical



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passages with subterranean stream, possessed geological formations/ speleothems and presence of biological features.

Per DENR Memorandum Circular 2007-04 or "Procedure in Cave Classification", the Team initially recommend it as Class II. Under this category, this cave system has areas or portions that have sections that 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 both DENR and concerned Municipal and Barangay LGUs in Odiongan, Romblon shall protect, conserve and manage this cave. The Barangay LGU of Tuburan shall pass a resolution to close temporarily this cave for any human disturbance pending its final classification and adoption of management plan.

Submitted:


RAYMUND G. INOCENCIO
ECOMS II



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

PHOTODOCUMENTATION

Trangkal Cave Resource Assessment and Initial Classification
April 20, 2022



OIC Chief TSD Thelmo S. Hernandez delivered his Welcome Remarks during the Opening Program



DENR PENRO Officials, Guests and Participants posed after the Opening Program



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ECOMS II Raymund G. Inocencio delivered
Lecture-presentations on Cave Policies
and Cave Survey and Mapping



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



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Supervising ECOMS Gerardo B. Sabigan delivered
Lecture-presentations on Flora and Fauna



BFP Personnel of Odiongan, Romblon shared
First aid tips to the participants on the topic Cave Rescue



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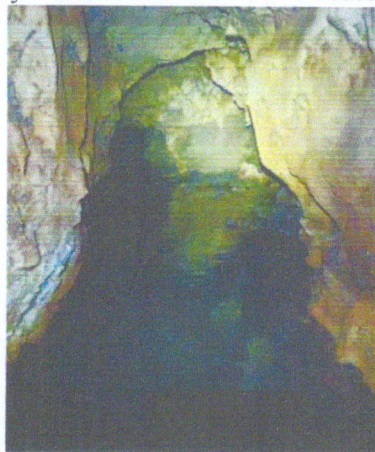
Trangkal Cave Field Work/Assessment
April 21, 2022



Participants bound to Purok Malipayon, Tuburan,
Odiongan, Romblon for the fieldwork



Survey Team conducted cave assessment



Subterranean Stream



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

Tuburan Brgy. Hall, Tuburan, Odiongan, Romblon
April 22, 2022



Trangkal Cave Assessment Team during the Processing/
Presentation of Data at the Barangay Hall of Tuburan



Trangkal Cave Assessment Team
during Planning/Way-Forward and Closing Program

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

Name of Compiler: ECOMS II Raymund G. Inocencio
 Date compiled: April 29, 2022
 Name of Cave: Trangkal Cave
 Region: MIMAROPA Province: Romblon
 Municipality/City: Odiongan Barangay: Tuburan
 Sitio/Purok: Malipayon
 Size of the Area: 7.7 ha approx. (area enclosed by the proposed boundary)
 Period of Assessment: April 20-22, 2022

I. GENERAL INFORMATION

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

Trangkal Cave is a solution-type of cave situated at the karst topography of Purok Malipayon, Barangay Tuburan, Odiongan, Romblon. The cave is found at the upper mid-portion of this municipality and within the unique karst landscape of Tablas Island. The cave possessed vertical and horizontal features with several passages and chambers and the presence of subterranean stream.

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.

This type of 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 cave.

2. Geographic location and description

Coordinates:

The coordinates of Trangkal Cave is N 12°26'57 and E 122°02'21.

Elevation:

The elevation of the passable cave entrance of Trangkal Cave is about 78 meters ASL.

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

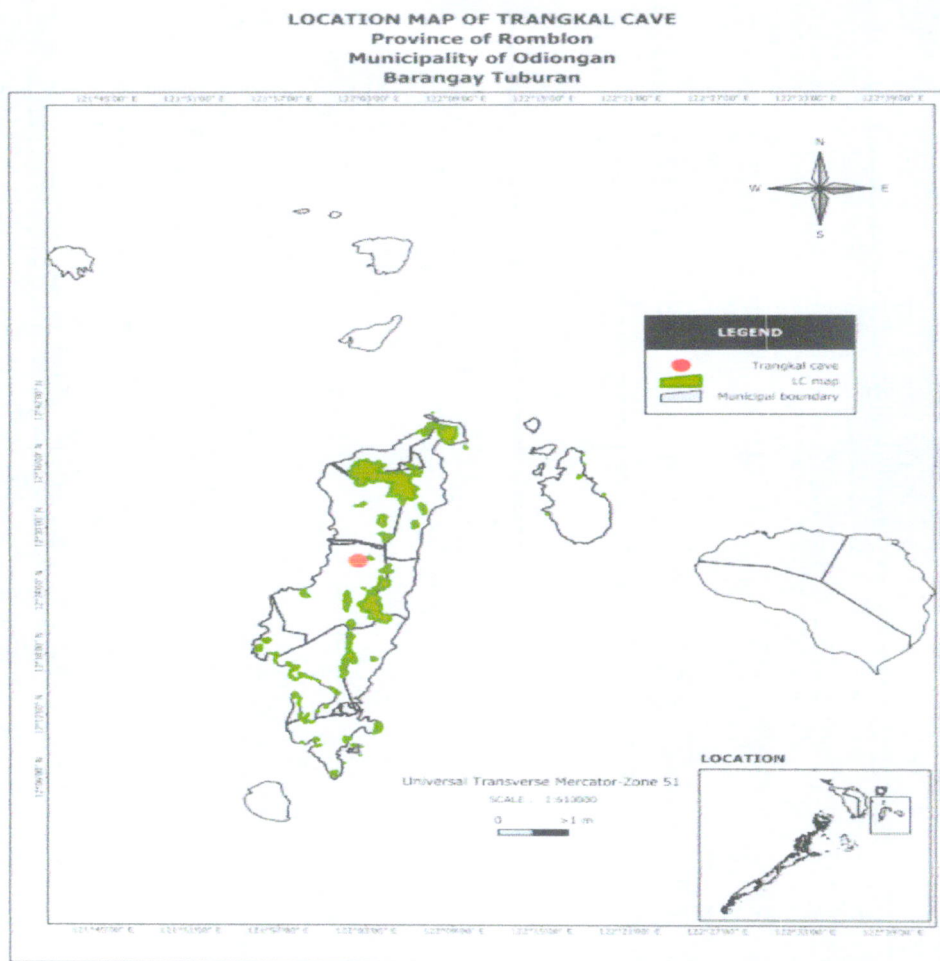


Figure 1. Location Map of Trangkal Cave

Land Status (please check)

- ☐ Agricultural
☐ Mineral land
☐ National Park
☒ Timberland
☐ Residential
☐ Others (specify) _____

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

Barangay Tuburan is about 9.3 kilometers from the urban center of Odiongan, Romblon. From barangay hall, Trangkal Cave is accessible for about 6 minutes motorcycle ride and 10 minutes' trek to the karst area of Purok Malipayon, Tuburan, Odiongan, Romblon.

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

4. Climatological data (rainfall pattern, climate type)

The Municipality of Odiongan, 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. Areas are partly sheltered from the northeast monsoon and trade winds but open to the southwest monsoon or at least to frequent storms.

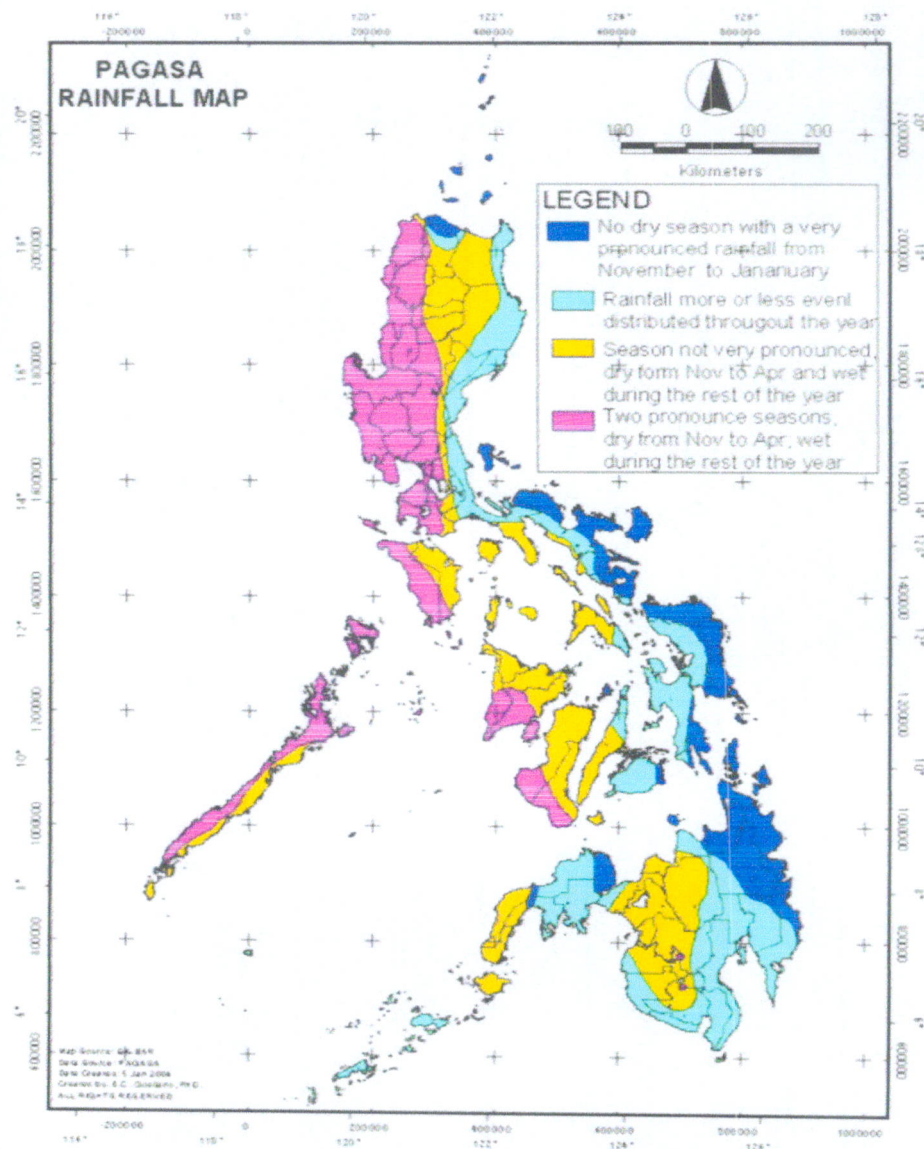


Figure 2. Climatological Map

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

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

Listing by Type	Area (ha)	
	Adjacent to cave	Above the cave
Reforestation area	3 ha.	4
Reservation	None	None
Logging	None	None
Grazing/Pasture	None	None
Settlements	None.	None
Mineral Extraction	None	None
Others, Institutional/ Commercial	None	None
Agricultural (Coconut	> 20 ha.	None

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

Name of Barangay	Barangay Population	Number of Households	Number of Families	Major means of Livelihood
Tuburan	2,206	547	547	Farming, Poultry & Livestock, Carpentry, & Labor.

Reference: 2022 BLGU Tuburan, Odiongan, Socio-Economic Profile

7. Uses / Human Activities

Type of Activity	Implementation period	Station/s Covered*	Implementing Agencies	Remarks
None	N/A	N/A	N/A	N/A

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

*Refer to station in the cave map

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

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

Type of Activity	Implementation period	Station/s Covered*	Implementing Agencies	Remarks
None	N/A	N/A	N/A	N/A

In the past ten years, there were extraction of guano and collection of birds nest particularly at Stations 1-4 by the local gatherers only.

*Refer to station in the cave map

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.

Trangkal Cave is located within the critical water source located at Purok Malipayon, Barangay Tuburan, Odiongan, Romblon. The cave featured vertical and horizontal orientations and considered as solution-type of cave with subterranean river. It has an opening that measures 11.08 meters wide by 6.234 meters high with descending entrance of at least 30°. The total length of cave measures 368.23 meters with only one entrance that also served as exit point. It has main chamber that measures about 32 meters wide and ceiling of about 80 meters high. It has 26 chambers that measure from 32 to 2 meters wide and the ceiling height varies from 80 to 2 meters. The ceiling and flooring were both stable.

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

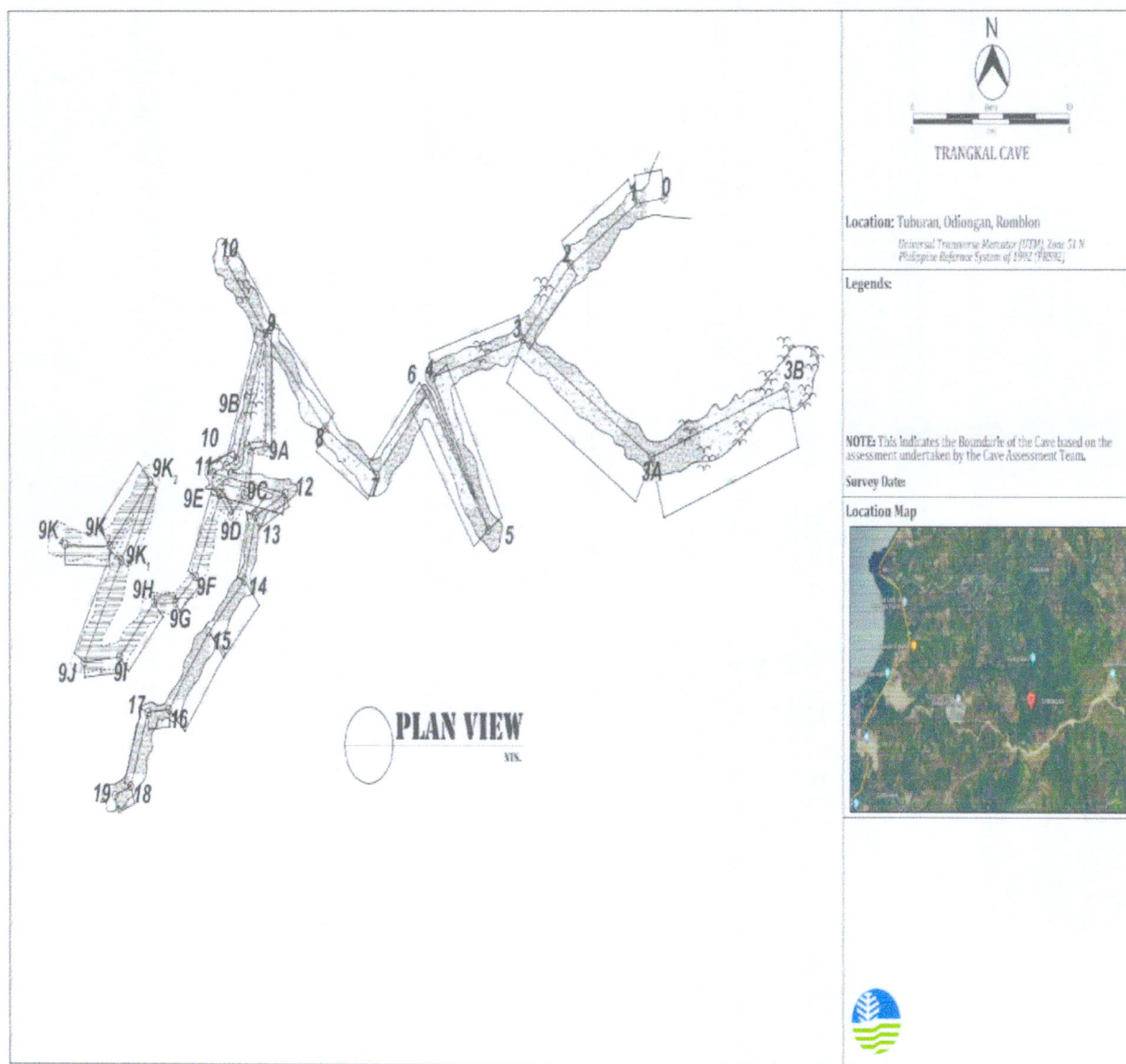


Figure 3. Plan View of Trangkal Cave

- 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 within the subterranean stream found to be minimally vandalized by scratching the names of the visitors in particular Stations 9E to 9K.

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

b.4 () Exploited (State cause and extent of exploitation)

b.5 () Claimant (State name): None

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 cave is now recovering from past human activities like guano extraction, bird's nest collection and some vandalism.

II. NATURAL FEATURES

1. Vegetative Cover

1.1. Flora outside the cave.

Family	Scientific name	Common name	Uses	Importance /Value	Conservation status ¹	Stratification ²	dbh
Anacardiaceae	<i>Mangifera monandra</i>	Manggang malapaho	Fruit is edible; timber used for general construction, interior works, moldings, furniture, veneers, wooden crates and boxes; windbreaker	Ecological, industrial & economical values	Vulnerable (DAO 2017-11)	Canopy	35-80 cm
Anacardiaceae	<i>Dracontomelon dao</i>	Dao	Food and medicinal uses; timber is premium hardwood	Ecological & economical values	Vulnerable (DAO 2017-11)	Emergent	100cm
Anacardiaceae	<i>Dracontomelon edule</i>	Lamio	Wood used in furniture making; edible seed kernel, flower, and leaves; roadside ornamental tree	Ecological & economical values	Vulnerable (DAO 2017-11)	Canopy	Up to 80cm
Apocynaceae	<i>Alstonia macrophylla</i>	Batino	Wood used for furniture and flooring; bark is used to lower fever and treat dysentery; nesting site for wild bees, butterfly nectar	Ecological, medicinal, & economical values	Not threatened	Canopy	65cm

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

Arecaceae	<i>Cocos nucifera</i>	Niyog	Food and medicinal uses; coco lumber	Ecological, industrial & medicinal values	Not threatened	emergent	50cm
Arecaceae	<i>Coryph utan</i>	Buri	Source of starch; leaves wooden into baskets and hats	Ecological & economical values	Not threatened	Canopy	30cm
Burseraceae	<i>Canarium ovatum</i>	Pili	Wood hard and heavy, food	Ecological & economical values	Not threatened	Canopy	50 cm
Cannabaceae	<i>Trema orientalis</i>	Anabiong	Bark used for making ropes; pulp for paper; tannin for fish nets; wood for charcoal	Ecological values & economical values	Not threatened	Canopy	90cm
Combretaceae	<i>Terminalia catappa</i>	Talisay	Wood is red and solid used for making canoes; leaves and bark have medicinal uses	Ecological & economical values	Not threatened	Canopy	60cm
Dipterocarpaceae	<i>Shorea polysperma</i>	Tanguile	Wood used for cabinet work of all kinds; for veneers, hardboard and plywood, sash and millwork, boat planking, decking, and general building construction	Ecological, industrial & economical values	Vulnerable (DAO 2017-11)	emergent	Up to 200 cm
Euphorbiaceae	<i>Melanolepis multiglandulosa</i>	Alim	Medicinal uses; urban roadside planting	Ecological & industrial values	Not threatened	canopy	20cm
Fabaceae	<i>Instia bijuga</i>	Ipil	Valuable timber used for heavy construction; bark used for rough cordage; young leaves eaten as vegetable; nectar for insects,	Ecological medicinal & economical values	Vulnerable (DAO 2017-11)	Canopyt	100 cm

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

			ornamental tree				
Lamiaceae	<i>Vitex parviflora</i>	Molave	Tough durable wood used for high grade construction, manufacture of high grade furniture, interior works, novelties, artifacts, agricultural implements and carving, honey tree; leaves used as cattle fodder; ornamental tree	Ecological, industrial & economical values	Endangered (DAO 2017-11)	Emergent	60cm or more
Lamiaceae	<i>Gmelina arborea</i>	Yemane	Light construction; venner; boxes and crates; plywood; musical instruments	Ecological & economical values	Not threatened	Canopy	50cm
Leguminosae: Papilionoideae	<i>Pterocarpus indicus</i>	Narra	High grade quality wood for house interiors and exteriors, furniture, musical instruments, even marine wood works; bark yields a red dye and a sticky, bitter, oily red latex called sangre de drago (dragon's blood); medicinal uses; shade and street tree	Ecological, industrial & economical, cultural values	Vulnerable (DAO 2017-11)	Emergent	Up to 80cm
Malvaceae	<i>Pterospermum diversifolium</i>	Bayok	Food and medicinal uses	Ecological & economical values	Not threatened	Canopy	Up to 80cm
Meliaceae	<i>Sandoricum koetjape</i>	Santol	Fruit is edible; garden plant; medicinal uses; wood/timber	Ecological & economical	Not threatened	Canopy	30cm

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

				values			
Moraceae	<i>Ficus sp.</i>	Balete	Medicinal uses	Ecological values	Not threatened	canopy	20 cm
Moraceae	<i>Artocarpus blancoi</i>	Antipolo	Food and medicinal uses; carving and light construction	Ecological & economical values	Not threatened	Canopy	up to 60 cm
Moraceae	<i>Artocarpus ovatus</i>	Anubing	Wood strong and durable; bark applied against stomachaches; latex is source of anubing gum; seeds available for roasting; for fruit bats and birds	Ecological, industrial & economical values	Not threatened	Canopy	100cm
Moraceae	<i>Ficus minahassae</i>	Hagimit	Sap is employed as a beverage; bark's reddish color could suggest astringent properties, as food and medicine	Economical & medicinal values	Not threatened	Canopy	Up to 30cm
Moraceae	<i>Ficus septica</i>	Hauili	Folkloric medicinal uses; pioneer plan for forest regrowth	Ecological & medicinal values	Not threatened	Understor y	Up to 30cm
Moraceae	<i>Ficus ulmifolia</i>	Is-is	Rough leaves as sandpaper; edible fruit with little flavor often eaten with cream and sugar	Ecological & economical values	Not threatened	Understor y	10-15 cm
Moraceae	<i>Ficus pseudopalma</i>	Niog-niog	Figs edible, leaves eaten as vegetable and used to wrap fish and meat in cooking; fodder for livestock; used as firewood	Ecological & economical values	Not threatened	Understor y	20cm

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

Moraceae	<i>Ficus nota</i>	Tibig	Young leaves used as vegetable and fruit eaten raw when ripe; sap of freshly cut stem yields drinkable water	Ecological & economical values	Not threatened	Canopy	20cm
Rubiaceae	<i>Nauclea orientalis</i>	Bangkal	Honey tree; wood for light construction, interior works, furniture novelties and carvings; fruit edible but not palatable; bark and leaves have pharmaceutical uses; bird food; pioneer species for reforestation of frequently inundated areas	Ecological, industrial & economical values	Not threatened	Canopy	Up to 40cm
Sapotaceae	<i>Palaquium luzoniense</i>	Nato	Timber considered first class; used for interior construction work, good for cabinets and other wood works; source of gutta-percha, natural latex from the sap used for protecting wounds	Ecological & economical values	Vulnerable (DAO 2017-11)	Emergent	Up to 150cm

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

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

Scientific name	Common name	Uses	Importance/ Value	Conservation status*	Remarks
Fungi	X	X	X	X	Main Entrance

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

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

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>Collocalia troglodytes</i>	Pygmy swiftlet	>873	Sta. 1, 3 & 8	Not threatened (DAO 2019-09)	Presence of bird nests
<i>Hipposideros diadema</i>	Diadem Leaf-nosed Bat	>899	Sta. 1, 3 & 8	Not threatened (DAO 2019-09)	Presence of pups and guano
<i>Cynopterus brachyotis</i>	Common Short-nosed Fruit Bat	>972	Sta. 6, 3 & 8	Not threatened (DAO 2019-09)	Presence of guano
<i>Order Squamata</i>	Gecko	>17	Sta. 1	Other threatened species (DAO 2019-09)	Presence on the ceilings and cave walls
<i>Malayopython reticulatus</i>	Reticulated python	>4	Sta. 1-3	Other threatened species (DAO 2019-09)	Presence at the cave floor
<i>Colubridae</i>	Spotted water snake	1	Sta. 9-I	Other threatened species (DAO 2019-09)	Subterranean stream

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

<i>Platymantis</i>	Frog	>9	Sta. 2	Other threatened species (DAO 2019-09)	Presence at the cave floor
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*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	>13	Sta. 1	Not threatened	Seen along cave walls
<i>Order Thelypho- nida</i>	Tailless Whip scorpions	>797	Sta. 2	Not threatened	Seen along cave walls/crevices
<i>Order Orthrop- tera</i>	Cricket	>109	Sta. 2, 3 & 4	Not threatened	Seen along the cave floor
<i>Ryssota ovum</i>	Snail	>735	Sta. 3	Not threatened	Seen along the cave floor
<i>Order Decapoda</i>	Crab	>8	Sta. 5 & 10	Not threatened	Seen along the cave floor

*Based on DAO 2004-15 or succeeding amendments

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	Fruits bats	Sta.3-B	1.39 m	275 sq.m.	Very fine	new	Presence of feathers

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

2.2. Fauna outside the cave.

Scientific name	Common name	Abundance	Location (station #)	Conservation Status*	Remarks
<i>Phapitreron amethystinus</i>	Amethyst brown dove	>16	Adjacent to Sta. 1-19 (outside)	Critically Endangered (DAO-2019-09)	Observed bird calls
<i>Hypsipetes siquijorensis</i>	Streak-breasted bulbul	>10	Adjacent to Sta. 1-19 (outside)	Critically Endangered (DAO-2019-09)	Observed bird calls
<i>Rhipidura sauli</i>	Tablas fantail	>15	Adjacent to Sta. 1-19 (outside)	Endangered (DAO-2019-09)	Observed bird calls
<i>Orthoptera</i>	Grasshoppers, crickets	>30	Adjacent to Sta. 1 (outside)	Not threatened	Seen
<i>Ninox spilonota</i>	Romblon hawk-owl	>5	Adjacent to Sta. 1-19 (outside)	Endangered (DAO-2019-09)	Observed bird calls (Night)
<i>Todiramphus winchelli</i>	Rufous-lored kingfisher	>4	Adjacent to Sta. 1-19 (outside)	Vulnerable (DAO-2019-09)	Observed bird calls
<i>Haliastur indus</i>	Brahminy Kite Eagle	>6	Adjacent to Sta. 1-19 (outside)	Not threatened	Breeding
<i>Macaca fascicularis philippinensis</i>	Long-tailed Macaques	>47	Sta.1	Not threatened	Seen early in the morning

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

<i>Ceyx melanurus</i>	Philippine dwarf kingfisher	>5	Adjacent to Sta. 1-19 (outside)	Vulnerable (DAO-2019-09)	Heard adjacent to the cave
<i>Varanus (Phillipinosaurus) olivaceus</i>	Gray's monitor lizard	>4	Adjacent to Sta. 1 (outside)	Vulnerable (DAO-2019-09)	Observed near water bodies
<i>Centropus viridis</i>	Philippine Coucal	>5	Adjacent to Sta. 1-19 (outside)	Not threatened	Heard bird calls
<i>Gecko gecko</i>	Tokay Gecko	>4	Adjacent to Sta. 1 (outside)	Not threatened	Seen at karst crevices/trees
<i>Aethopyga siparaja</i>	Crimson sunbird	>5	Adjacent to Sta. 1 (outside)	Not threatened	Seen
<i>Merops viridis</i>	Blue-throated bee eater	>7	Adjacent to Sta. 1-19 (outside)	Not threatened	Seen
<i>Diplopoda</i>	Millipedes	>20	Adjacent to Sta. 1 (outside)	Not threatened	Seen on the ground

*Based on DAO 2004-15 or succeeding amendments

3. Geology

3.1. Speleothems inside the cave.

Trangkal cave is a solutional or limestone cave formed out of dissolving effect of the natural acid contained in rainwater, on limestone, forming networks of passages beneath the ground. Nineteen (19) stations are accounted for and Station 3-4 identified as the main cavern where bats and swiftlets observed. There are nine (9) types of speleothems observed in the cave.

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

The most numbered speleothems identified accordingly are stalactites, followed by flowstones, columns, draperies, pearls, soda straws, stalagmites, rimstone, and shield.

Speleothem	Approximate no.	Zone		Remarks (e.g. damaged, dirty, etc.)
		Twilight	Dark	
Stalactites	338	/	/	Intact and only 3 with damaged
Stalagmites	4	/	/	intact
Draperies	15	/	/	intact
Flowstone Sheets	25	/	/	intact
Columns	24		/	intact
Mammillary	None			
Erratic Forms (crystal growth controlled)	None			
Shields	3		/	intact
Helictites	None			
Botryoidal Forms (popcorns, grapes, etc.)	None			
Anthodites	None			
Oulopholites (gypsum flowers)	None			
Moonmilk	None			
Subaqueous Forms	None			
Rimstone dams (gour pools)	3			
Concretions of various kinds (limestone)	None			
Pool deposits	None			
Crystal Linings	None			
Others: Pearls	9			Intact

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

3.2. Mineral deposits inside the cave. None.

Mineral	Location (station #)	Remarks
Aragonite	None	None
Calcite	None	None
Dolomite	None	None
Huntite	None	None
Hydromagnesite	None	None
Magnesite	None	None
Others	None	None

3.3. Other geological features inside the cave. None.

Features	Location (station #)	Remarks
Faults		
Joints	N/A	
Cracks	N/A	
Fossils (paleontological feature)	N/A	
Others	N/A	

4. Hydrology

4.1. Hydrological features inside the cave.

Features	Location (station #)	Flow		Origin		Size/ Volume	pH	Temperature	Remarks
		Perennial	Intermittent	Natural	Man-made				
Subterranean stream	Sta.9-I to Sta. 10	X		X		Ave.3 meters in width & 65 meters length or/ 195 sq. meter	6.70	24°C	Served as headwater streams for Busay Falls and Calabasag River

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

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

4.2. Hydrological features outside the cave (within 2km radius). None.

Features	Location (station #)	Flow		Origin		Size/ Volume	pH	Temperature	Remarks
		Perennial	Intermittent	Natural	Man-made				
Calabasag River	Sta. 9	Yes		Yes		Approx. 10.5 has	8	30	Calabasag River served as a source of aggregates

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)	Sta. 3, 4 to 6	from guano
Presence of swiftly running underground river	Sta. 9-I to 10	shallow stream
Deep sumps or pools	Sta. 9-K3 to 9-K4	.5 m deep
Flooding indicators	Sta. 9I-10	Seen waterline mark along the cave wall
vertical pitches/entrances	Sta. 7-8	Muddy (slippery when wet)
Tight crawlways/squeezes	Sta. 9E to H	Tight Passage to small chamber
Presence of rockfall	Sta. 1 & 7	Entrance
Cavern roof collapse	None	

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

Deep mud		
Unstable flooring	None	
Sharp rocks	None	
Spalling ²	None	
Heaving ³	None	
Extremely cold temperatures	None	
Others	None	

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 provide 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

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

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	
Stone tools (polished)	N/A	
Shell tools	N/A	
Tradeware ceramics (porcelain, stoneware)	N/A	
Pottery (earthenware)	N/A	
Pottery (earthenware with	N/A	
Metal implements	N/A	
Wooden coffins	N/A	
Fossils	N/A	
Human bones	N/A	
Animal bones	N/A	
Wood	N/A	
Shells (land)	Sta. 3	Approx.. 700
Shells (freshwater)	N/A	
Shells (marine)	N/A	
Artworks		
Charcoal drawings	N/A	
Hematite paintings	N/A	
Engraved artwork	N/A	
Others	N/A	

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

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.

<u>Threats/Problems</u>	<u>Current</u>	<u>Potential</u>	<u>Possible Solutions</u>	<u>Remarks</u>
<u>Deforestation</u>		/	<u>Declare as critical water source by the LGU</u>	<u>Barangay/Municipal LGU Resolutions</u>
<u>Agriculture</u>	/		<u>Adopt agroforestry technologies adjacent to cave</u>	<u>MLGU/NGA's Extension Project/Program</u>
<u>Urbanization</u>	/		<u>Regulate wastes disposal and aggregates extractions</u>	<u>Strict enforcement of environmental laws</u>
<u>Industrialization</u>	<u>N/A</u>			
<u>Tourism and Recreation</u>		/	<u>Adopt cave management plan</u>	<u>MLGU, DENR, NCIP and DOT Collaboration</u>
<u>Chemical Waste</u>		/	<u>Regulate wastes disposal</u>	<u>Strict enforcement of environmental laws</u>
<u>Water Exploitation (dams, groundwater pumping, inundation)</u>	<u>None</u>			
<u>Treasure hunting</u>	<u>None</u>			
<u>Used by insurgents</u>	<u>None</u>			
<u>Others</u>	<u>None</u>			

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

VI. POTENTIAL USES OF THE CAVE

Potential Uses	Remarks
Scientific Research	Speleology researches
Tourism and Recreation	Guided tours upon approval of its classification and cave management plan
Exploration	Waterlogged passages
Others	None

VII. RECOMMENDATIONS

Based on the result of Trangkal cave assessment, the team recommends its initial classification as Class II (DMC 2007-04). The cave possessed sensitive geological and biological values. It may be necessary to close sections of Station 3A to B and Station 9 seasonally for bats and swiftlet species for its protection and conservation. It is open only to experienced cavers or guided educational tours.

Further, Cave Management Plan shall be adopted after classification and approval by the Regional Office.

Prepared and submitted:


ENGR. RAYMUND G. INOCENCIO
ECOMS II/Team Leader-Cave Assessment Team

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE

PHOTODOCUMENTATIONS ON TRANGKAL CAVE ASSESSMENT

April 21, 2022



Main Cave Entrance of Trangkal Cave



Vegetation in the main cave entrance w/ stalactite formations



Very fine guano



Bat stains



Muddy portion of the cave



Entrance to muddy cave passage and another chamber



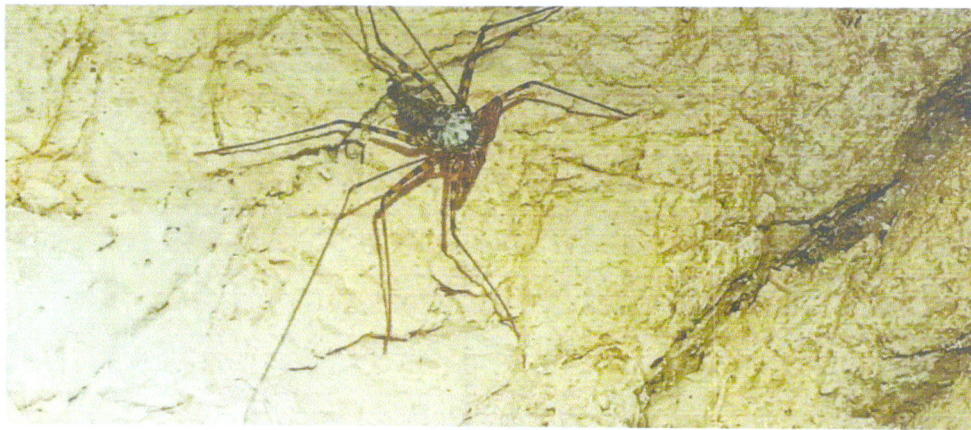
Whip scorpion



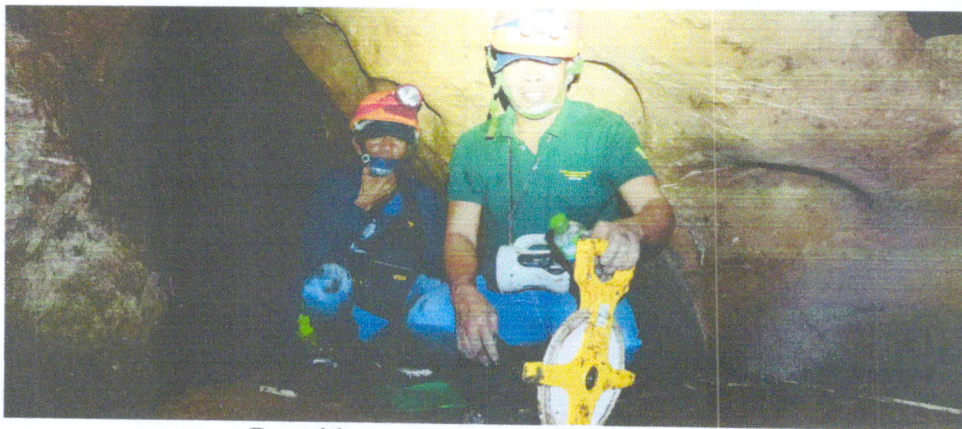
Cave dwelling insect



Luminous moss inside the cave



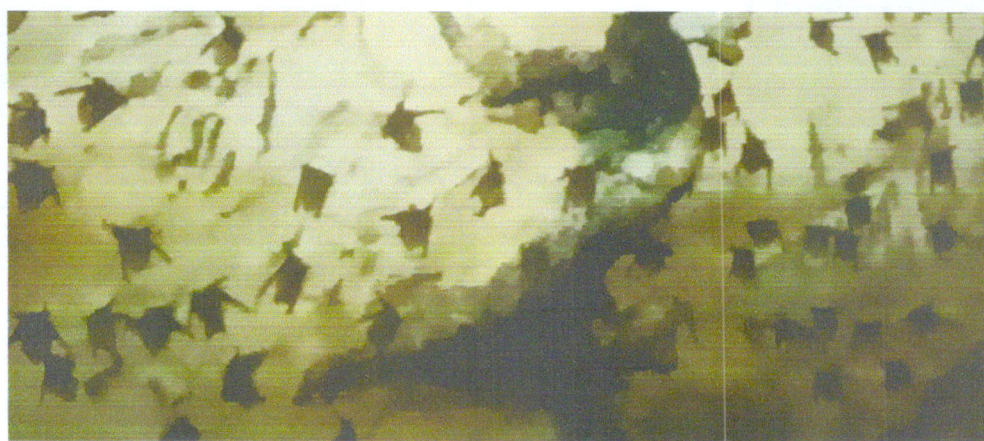
Whip scorpions



Passable entrance to another chamber



Colony of Insect Bats



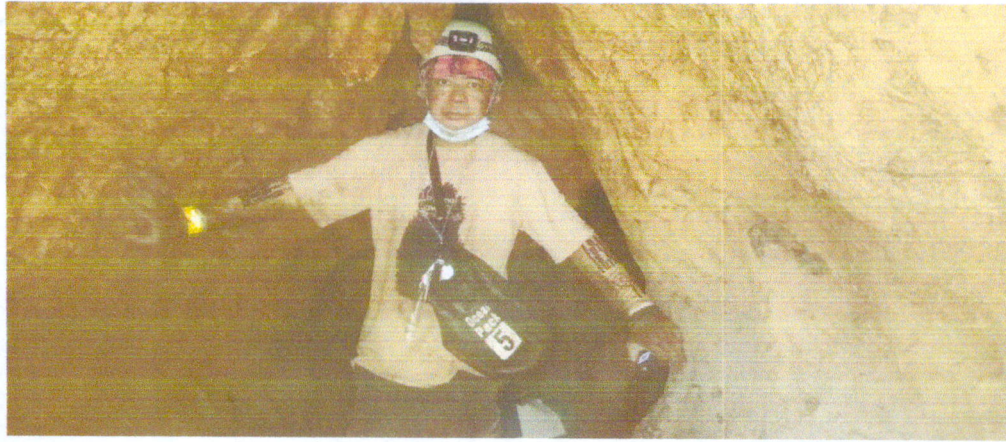
Insect Bats within the ceiling of the cave



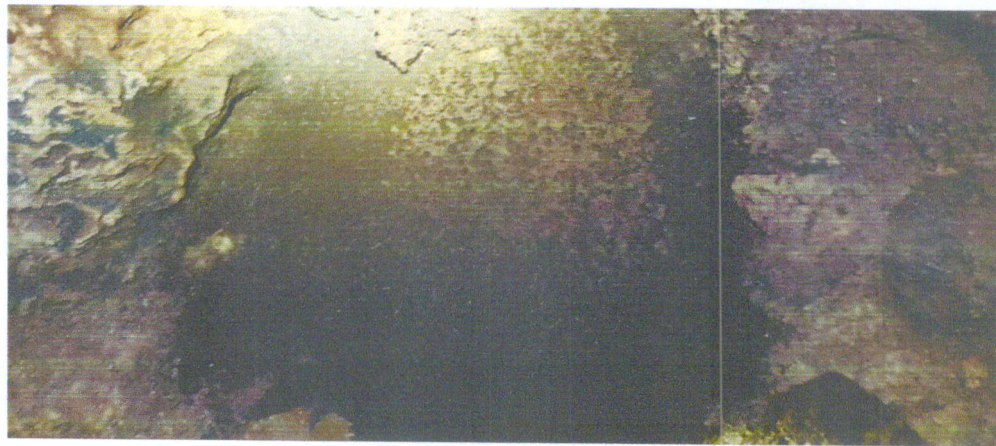
Rescued Diadem Leaf-nosed Bats found at the cave floor



Diadem Leaf-nosed Bat



Tunnel cave passage to subterranean stream



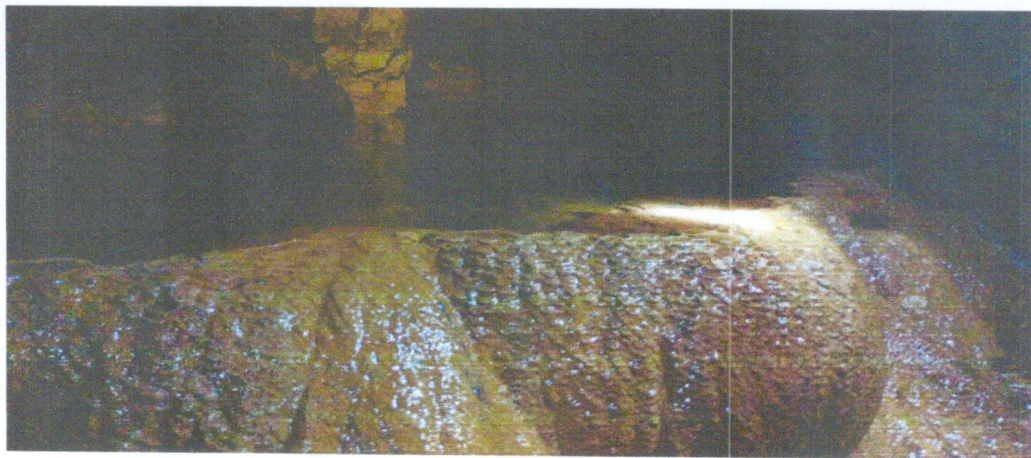
Guano of Insect bats



Part of subterranean stream



Deep pool leading to another cave passage



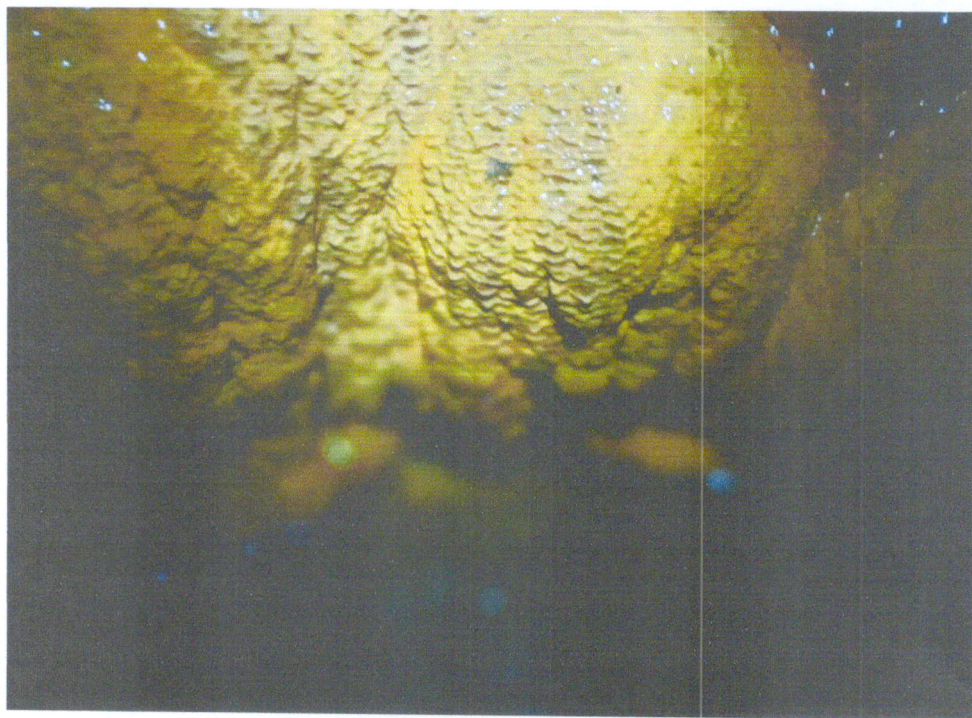
Rimstone dam



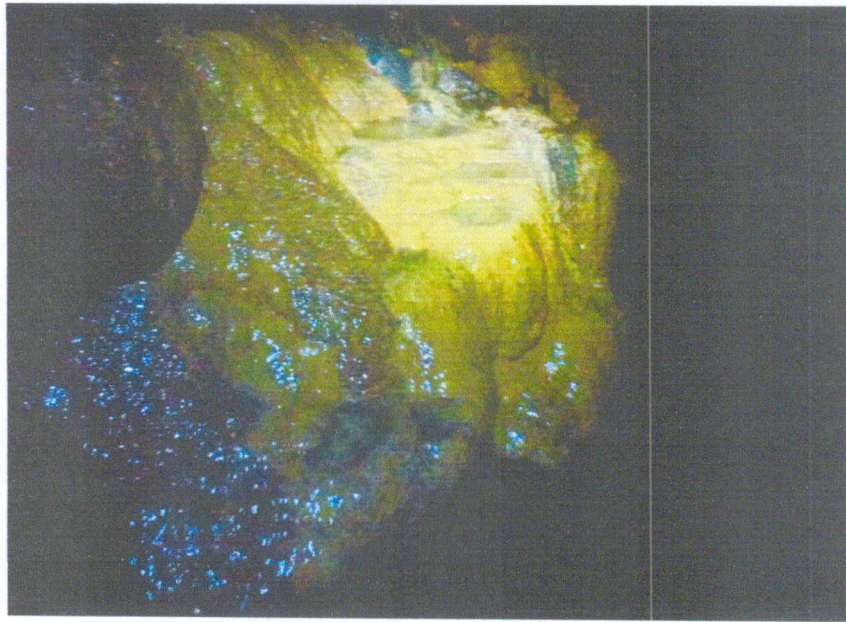
Stalactites located at subterranean stream



Deep pool with crystalized limestone



Crystallized limestone



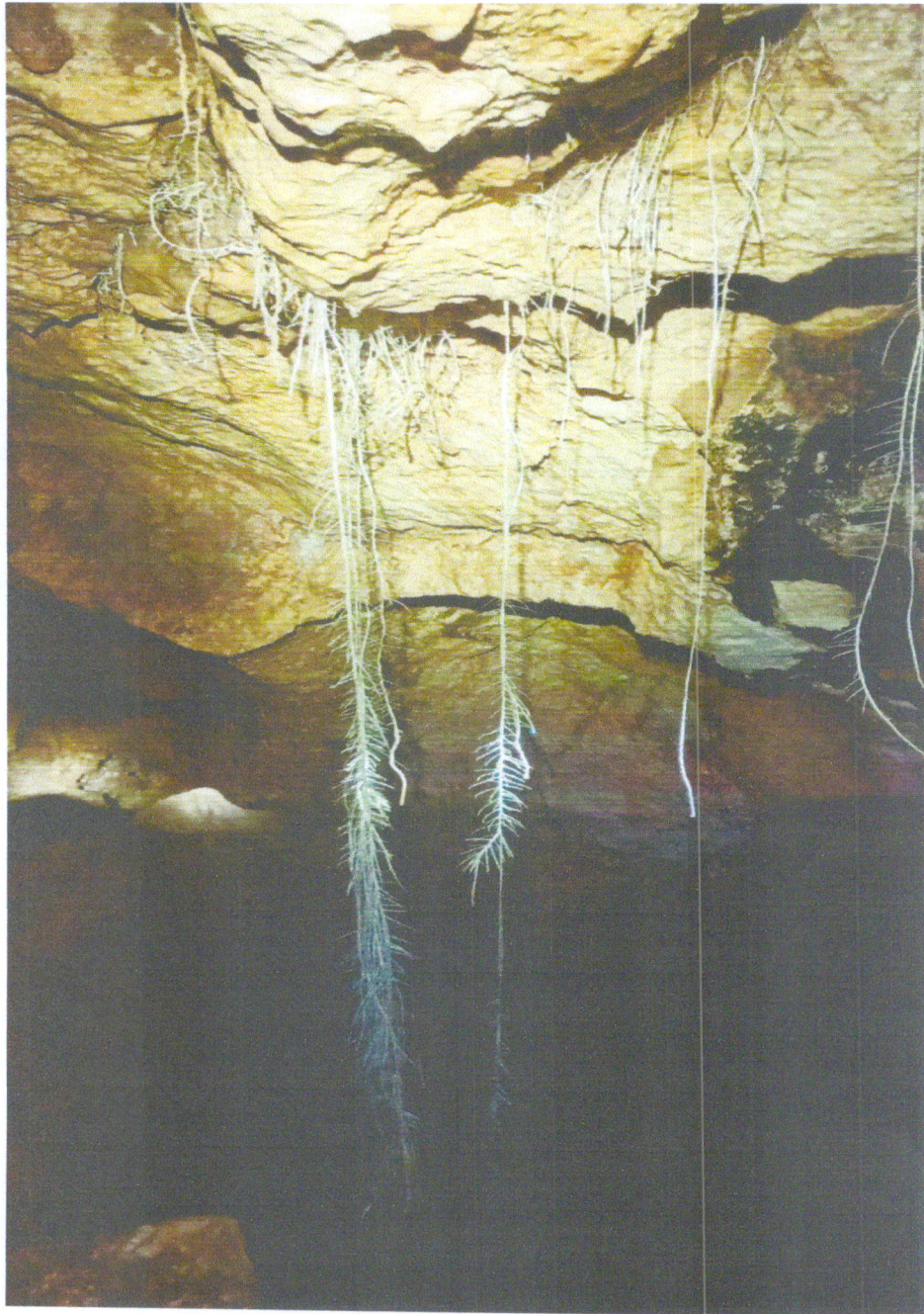
Small rimstone dam w/ crystallized limestone



Deep pool leading to another cave passage and chamber



Graffiti along the cave walls



Deep roots penetrated the subterranean stream



Cave dwelling insect



Entrance to another cave passage



Exit point of the cave (Main Entrance)

ENHANCED CAVE ASSESSMENT AND INITIAL CLASSIFICATION FOR TRANGKAL CAVE



Survey Team



Vegetation in Karst landscape of the cave



Karst landscape of Trangkal Cave



Thick vegetation adjacent to the cave

Busay Waterfalls adjacent to Trangkal Cave





TRANGKAL CAVE

Locations Tuburan, Odiongan, Romblon

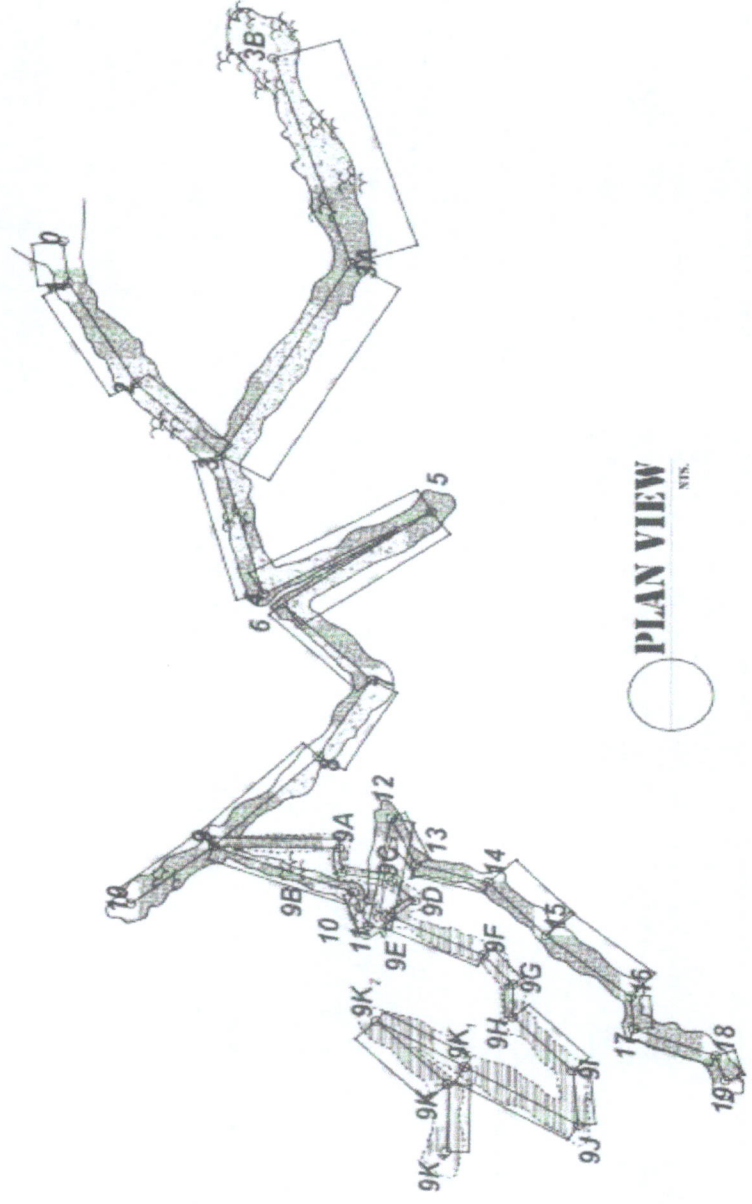
Universal Transverse Mercator (UTM), Zone 51 N
Philippine Reference System of 1992 (1995.02)

Legend:

NOTES This indicates the Boundary of the Cave based on the assessment undertaken by the Cave Assessment Team.

Survey Date:

Location Map



PLAN VIEW
NTS.



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

TRANGKAL CAVE RESOURCE ASSESSMENT AND INITIAL CLASSIFICATION
Odiongan, Romblon

April 20, 2022

ATTENDANCE SHEET

No.	NAME	AGE	SEX		OFFICE	DESIGNATION	CONTACT NUMBER(S)	SIGNATURE
			Male	Female				
1	Prudencio Fajarin	67	✓		Senior			
2	Jessi F. Famisan	67		✓	LGU-Tuburan	Brig. Tuburan	09481069999	
3	Marge T. Fajarito	63		✓	LGU-Tuburan	Brig. Tuburan	09395766929	
4	JOEL G. FERNANDEZ	40	✓		6	2067-PRAGMATIC	09483284758	
5	PONIE FOCARDA	13	✓		TUBURAN	PRAGMATIC	0951142523	
6	JOEL S. FETALCO	42	✓		LGU TUBURAN	Brig. Pragmatic	09106590155	
7	Zysson Fualda	23			Tuburan			
8	Harvey Faminini	41	✓		TUBURAN	RAPOD	09511351362	
9	Roy Orangue	52	✓					
10	Kristine C. Morada	17		✓	Tuburan		09705405245	
11	Mr. John Guzman	29	✓		TUBURAN	SK. P.G.	09215821665	
12	Edgar F. Solano	03	✓		MDRPMO	MDRPMO III	09282484504	
13	Rexford F. Fajarin	63	✓		MAO	OPC-MA	09187732880	
14	Gumabong Fajarin	62	✓		MAO	Sgt. ELMAN		
15	LOUI D. Fajarin		✓		MPDC	ADM. AIDE N	09951862346	



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No.	NAME	AGE	SEX		OFFICE	DESIGNATION	CONTACT NUMBER(S)	SIGNAT
			Male	Female				
16	Ramon M. Ramos	52	/		MENR - ODIONGAN	MEPRA	09503777393	
17	Falquerbas, Felix Carl R.	27	/		MEP - M. NATURA	SFS II	09166229096	
18	Reilyn L. Castillon	29		/	DEOR	FI-1		
19	Ma. Rubie C. Morales	29		/	DENR	FI-1		
20	JOEL F. FORTES	51	/		VEN - ODIONGAN	Art	09270184782	
21	For Jasion Jay Gregorio	29		/	BFP		09177791439	
22	FOI Leo James A. Selarin	31	-		BFP		09177791439	
23	FOI Mary Lee M. Galan	25		/	BFP		09193978543	
24	WUDY FERRELLA	60		/	VEN - ODIONGAN			
25	RAYMUND C. DUBONATO	46	/		PERMCO	FCOAS II	09478714822	
26	KRISTOPHER S. RIVERA	41			VEN - ODIONGAN	P. M	09000909401	
27	DANIEL F. ORONOGAN	33		/	VEN - ODIONGAN	B. SECRETARY	09445245257	
28	RAYMUND C. DUBONATO	46	/		VEN - ODIONGAN	ISA II	09000909401	
29	THELMA S. HELEMAN	49	/		PERMCO	SEC - Chief TSO	0918226018	
30	Genora J. Talavera	46		/	PERMCO	SOI	0918226018	



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TRANGKAL CAVE RESOURCE ASSESSMENT AND INITIAL CLASSIFICATION
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April 21, 2022

ATTENDANCE SHEET

No.	NAME	AGE	SEX		OFFICE	DESIGNATION	CONTACT NUMBER(S)	SIGNATURE
			Male	Female				
1	Tessie F. Fajarin	67		✓	LGU - Tuburan	Brgy. Kagawad	09481069999	TFF
2	JOHNNY Fajarin	41	✓		Tuburan	Pain TADOD	09511358362	JF
3	Prodelicio Fajarin	67	✓		Boxer			Prodelicio Fajarin
4	MARGIE T. FAJARIN	63		✓	LGU-TUBURAN	Brgy. Kagawad	09395766929	Margie T. Fajarin
5	JOEL S. FETALCO	42	✓		LGU TUBURAN	Brgy. Kagawad	0910659033	Joel S. Fetalco
6	Roy Orongan	52			Madipayan			Roy Orongan
7	JOEL C. FERNANDEZ	40			LGU - TUBURAN	Brgy. Kagawad	09483280758	Joel C. Fernandez
8	Kristine Morada	17		✓	Tuburan		09505400245	Kristine Morada
9	TYRON JESUS GALANDEZ	23			St. KAG.	TUBURAN	09215821623	Tyron Jesus Galandez
10	PAULLE FOCARAS	53	✓		TUBURAN	KAAGAWAD	0951142523	Paulle Focaras
11	ZYGA FUSILLA	23		✓	Tuburan	St. Kagawad		Zyga Fusilla
12	JOHN D. FAJARIN	62	✓		MPDC	ADM. AIDE IV	09957862346	John D. Fajarin
13	LOU D. FAJARIN	49			MPDC	ADM. AIDE IV	09957862346	Lou D. Fajarin
14	JOHN D. FAJARIN	52			MPDC	ADM. AIDE IV	09957862346	John D. Fajarin
15	JOHN D. FAJARIN	63			MPDC	ADM. AIDE IV	09957862346	John D. Fajarin



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TRANGKAL CAVE RESOURCE ASSESSMENT AND INITIAL CLASSIFICATION
Odiongan, Romblon

April 21, 2022

ATTENDANCE SHEET

No.	NAME	AGE	SEX		OFFICE	DESIGNATION	CONTACT NUMBER(S)	SIGNATURE
			Male	Female				
16	Alquerabro, Felix Carl F.	27	✓		NLB NIMAROPA	SRS II	091602390016	[Signature]
17	Reahyn L. Castillon	29		✓	DENR	FI-1		[Signature]
18	Ma. Rubie C. Morales	29		✓	DENR	FI-1		[Signature]
19	PO2 Jessica Joy Gregorio	29		✓	BFP		09177791439	[Signature]
20	PO1 Leo James A. Sebata	31		✓	BFP		091172030000	[Signature]
21	RAYMUND L. DUDCENY	41	✓		RENILCO	ECOMSU	09875918822	[Signature]
22	JER F. PADRIS	51	✓		DA UEN-ODIONGAN	AT	09270154782	[Signature]
23	JUDY TEREZAL	60	✓		TUBURAN			[Signature]
24	PO1 Marylee M. Galan	25		✓	BFP		09193378543	[Signature]
25	WILSON T. P. P. P.	61	✓		LABORATORY	PB	09090699451	[Signature]
26	DIANE G. MORALES	39	✓		LABORATORY			[Signature]
27	ARLENE P. P. P.	43			TUBURAN	PB KOPANAL	0945164958	[Signature]
28	SHEILA S. PASARITO	23		✓	TUBURAN		09511997077	[Signature]
29	DAISY F. CARUNGUAY	23		✓	TUBURAN	B. SECRETARY	09465245657	[Signature]
30	STIENNA F. MARQUEZ	37		✓	TUBURAN	B. TREASURER	097000321144	[Signature]



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TRANGKAL CAVE RESOURCE ASSESSMENT AND INITIAL CLASSIFICATION

Odiongan, Romblon

April 22, 2022

ATTENDANCE SHEET

No.	NAME	AGE	SEX		OFFICE	DESIGNATION	CONTACT NUMBER(S)	SIGNAT
			Male	Female				
1	MARGIE F. FAJARITO	63		✓	LGU - Tuburan	Brgy. Kagurad	09395716929	<i>Margie Fajardo</i>
2	<i>Pedro Antonio Lacerda</i>	67	✓					<i>Pedro Antonio</i>
3	Tessie F. Farnisan	67	✓		LGU - Tuburan	Brgy. Kagurad	09481069999	<i>Tessie</i>
4	JULIE C. FERNANDEZ	46	✓		LGU TUBURAN	"	09483280988	<i>Julie</i>
5	JOEL S. FETALCO	42	✓		LGU TUBURAN	Brgy. Kagurad	09106519055	<i>Joel</i>
6	Itapey Paminini	41	✓		TUBURAN	TAND	09351135164	<i>Itapey</i>
7	RONIE FORCADA	73	✓		TUBURAN	PKSV. LASAVAL	0911192523	<i>Ronnie</i>
8	Roy Orangan	52	✓					<i>Roy</i>
9	tyron John Salazar	23	✓		TUBURAN	SK. Kag.	09215221665	<i>Tyron</i>
10	Zyson Trudella	23	✓		Tuburan	SK. Kag.	09051415245	<i>Zyson</i>
11	Kristine Morada	17	✓		Tuburan		0915051415245	<i>Kristine</i>
12	<i>Peterford F. Farnisan</i>	63	✓		MAAD	QC-MA	09127733884	<i>Peterford</i>
13	<i>Rhyan m. Ramos</i>	52	✓		MAEDS	MAEDS	09503777338	<i>Rhyan</i>
14	LOU D. FAJARITO	49	✓		MPDC	Adm. AIDE IV	09951823342	<i>Lou</i>
15	<i>Genel M. Galarza</i>	62	✓		<i>Genel</i>	<i>Genel</i>		<i>Genel</i>



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Provincial Environment and Natural Resources Office
Odiangan, Romblon

TRANGKAL CAVE RESOURCE ASSESSMENT AND INITIAL CLASSIFICATION
Odiangan, Romblon
April 22, 2022

ATTENDANCE SHEET

No.	NAME	AGE	SEX		OFFICE	DESIGNATION	CONTACT NUMBER(S)	SIGNATURE
			Male	Female				
16	Reilyn L. Castillon	29		/	DEPR	PT-1		
17	Ma. Rubie C. Morales	29		/	DENR	PT-1		
18	Felipe Abao, Felix Carl F.	27	/		MLB MINARPA	SPE II	0916239096	
19	RATHMUND G. THORCEWILL	44	/		PEWIKO	PCOWS II	0987588482	
20	JOEL F. FADERO	51	/		DALGO OPI DLEAD	AT	09270157182	
21	For Leo James A. Setara	31	-		BFR		09192000000	
22	For Jessica Joy V. Gregorio	29	-		BFR		0977751439	
23	LARRY T. FLORES	69	-		LEG TUNMUND	P. Vg	09009699491	
24	OLIVY G. MARCOS	32	-		TUNMUND			
25	AUDY FERDINAND	20						
26	For Mary Lee M. Galan	25	/		BFP		09193378543	
27	SHEILA S. FASARITO	23	/		TUBURAN		09511337077	
28	DAISY F. CADUNGUAN	33	-		TUBURAN	D. SECRETARY	09465245657	
29	STENNA F. MARQUEZ	37	/		TUBURAN	P. TRAVELER	09700034144	
30	Arlene F. Pando	43	/		TUBURAN	S. KASAPINO	09461619851	



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

TRANGKAL CAVE RESOURCE ASSESSMENT AND INITIAL CLASSIFICATION

Odiangan, Romblon

April 22, 2022

ATTENDANCE SHEET

No.	NAME	AGE	SEX		OFFICE	DESIGNATION	CONTACT NUMBER(S)	SIGNATURE
			Male	Female				
31	APRIL D. BATILANG	47		✓	DENR PENRO	Chief, CCS	09391078504	APRIL D. BATILANG
32								
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PROGRAM OF ACTIVITIES
TRANGKAL CAVE RESOURCE ASSESSMENT AND INITIAL CLASSIFICATION
Odiongan, Romblon

DAY/TIME	ACTIVITIES/TOPICS	FOCAL PERSON
Day 1-April 20, 2022		
7:00 – 8:30	Breakfast	
8:31 – 9:00	Registration	Secretariat
9:01 – 9:30	Opening Program Prayer National Anthem Acknowledgement of Participants Welcome Remarks Message Photo Opportunity Rationale of the Activity and House Rules	Secretariat For. Thelmo S. Hernandez OIC- Chief, TSD Hon. Trina Alejandra Q. Firmalo-Fabic Municipal Mayor For. Maximo C. Landrito PENR Officer CDS
9:31 – 11:45	-Orientation on Cave Resource Assessment and Its Relevant Policies -Presentation on the Enhanced Cave Assessment Form -Basic Caving & Minimum Impact Caving Code -Cave Survey	ECOMS II Raymund G. Inocencio
11:46-12:00	Q & A portion	Moderator
12:01 – 1:00	Lunch Break	

PENRO Romblon Barangay Tabing-dagat, Odiongan, Romblon 5505
Direct Line: (042) 567-5030
Email Address: penrorom_r4b@yahoo.com.ph



DAY/TIME	ACTIVITIES/TOPICS	FOCAL PERSON
Day 1-April 20, 2022		
1:01 – 1:30	Cave Biology-Fauna	Engr. Realyn L. Castillon
1:31 – 1:45	Q & A portion	Moderator
1:46 – 2:30	Cave Biology- Flora	For. Gerardo B. Sabigan
2:31 – 2:45	Q & A portion	Moderator
2:46 – 3:30	Cave Geology	Felix Carl F. Falquerabao, Geologist-MGB
3:31– 4:00	Q & A portion	Moderator
4:01- 5:00	Basic Cave Rescue: First Aid	SINP John Michel Z Ilao
5:01- 5:30	Q & A portion	



January 31, 2022

PENRO SPECIAL ORDER NO. 22-17
Series of 2022

**SUBJECT: AUTHORIZING THE CONDUCT OF CAVE RESOURCE
ASSESSMENT AND INITIAL CLASSIFICATION TO BE HELD
AT ODIONGAN, ROMBLON ON APRIL 20-22, 2022**

In the interest of the service and in order to facilitate the conduct of Cave Resource Assessment and Initial Classification for Trangkal Cave in the municipality of Odiongan, Romblon, the selected personnel are hereby authorized to attend in the said activity on April 20-22, 2022, to wit:

1. MAXIMO C. LANDRITO	- PENR Officer
2. THELMO S. HERNANDEZ	- OIC-Chief, Technical Services Division
3. ARLYN D. BALIBAG	- Chief, CDS
4. RAYMUND G. INOCENCIO	- PASu / ECOMS II
5. JANICE F. FORCADAS	- ECOMS I
6. FELIX CARL F. FALQUERABAO	- SRS II/MGB
7. MARIELLE V. MAGALLANES	- Forester I
8. ROMEO S. CONTAOI	- PMF
9. REALYN L. CASTILLON	- FT I
10. MA. RUBIE C. MORALES	- FT I
11. GEMMA F. FALLARIA	- AO IV/HRMO II

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.


MAXIMO C. LANDRITO



April 8, 2022

HON. TRINA ALEJANDRA Q. FIRMALO-FABIC

Municipal Mayor
Odiongan, Romblon

Attention: **HON. LARRY T. FAJARITO**
Punong Barangay
Tuburan, Odiongan

Madam:

Greetings in conservation!

Please be informed that this Office will be conducting Trangkal Cave Resource Assessment and Initial Classification in Barangay Tuburan, Odiongan, Romblon on April 20-22, 2022 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, MDRRMO, MENRO, Municipal Agriculture Office, SB Chair on Environment and fifteen (15) participants from Barangay LGU of Tuburan, Odiongan.

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,


MAXIMO C. LANDRITO
PENR Officer

Received :

PAULY F. CAROLINA
SECRETARY - TUBURAN
04/12/22 . 10:11

PENRO Romblon Barangay Tabing-dagat, Odiongan, Romblon 5505
Direct Line: (042) 567-5030

Email Address: penro@rtrb.gov.ph

RECEIVED

DATE: 4-11-2022
TIME: 4:05 PM
BY: [Signature]

April 11, 2022

SINSP JOHN MICHEL Z ILAO
Municipal Fire Marshall
Odiongan, Romblon

Dear Sir Ilao:

Greetings in conservation!

Please be informed that this Office will be conducting Trangkal Cave Resource Assessment and Initial Classification in Barangay Tuburan, Odiongan, Romblon on April 20-22, 2022 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.

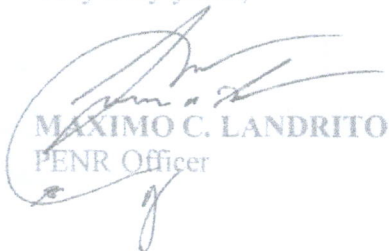
In this regard, we are extending our warmest invitation to you or your authorized representative to deliver lecture-presentation on the topic "Basic Cave Rescue: First Aid" to be held at Lyn's Fern Garden at Budiong, Odiongan, Romblon on April 20, 2022, 4:00 in the afternoon.

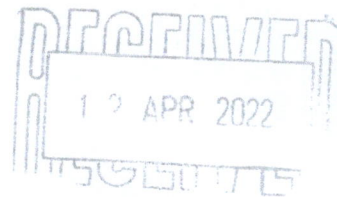
Attached is the program of activities for your immediate reference.

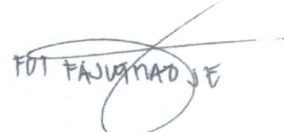
We are anticipating for your usual support and cooperation in this regard.

Thank you so much and God Bless!

Very truly yours,


MAXIMO C. LANDRITO
PENR Officer




FDT PAJUNAD JE