



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE
Bgy. Sta. Monica, Puerto Princesa City, Palawan
Telfax No. (048) 434 - 8791
Email Add: penropalawan@denr.gov.ph

DENR MIMAROPA RECORDS SECTION
RECEIVED
04 AUG 2022
☒ INCOMING ☐ OUTGOING
DATE NO.

MEMORANDUM

July 25, 2022

FOR : The Regional Executive Director
DENR MIMAROPA Region
1515 L and S Bldg., Roxas Boulevard
Ermita, Manila

FROM : The Provincial Environment and
Natural Resources Officer

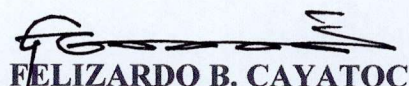
SUBJECT : **INVESTIGATION REPORT ON THE LANDSLIDE IN THE
MOUNTAIN QUARRY IN SITIO LAMUD, BARANGAY
POBLACION 6, CORON, PALAWAN**

Respectfully forwarded is the memorandum of CENRO Coron, Palawan dated July 19, 2022 relative the above subject.

Per memorandum, CENRO Coron submitted the investigation report based on the landslide incident within So. Lamud, Barangay Poblacion 6 posted on Facebook. The investigating team found out that the piles of eroded aggregates were observed along the access road and floor/base of the mountain quarry. Further, the sound of flowing water along the quarry wall was also observed.

In view of the above, a letter dated July 11, 2022 was sent to the BCT Trading and Construction, urging them to expedite the rehabilitation of the quarry site.

For information and further instruction.


FELIZARDO B. CAYATOC

Copy Furnished
CENRO Coron, Palawan
File/2022-046ACG MES Doc. Ref. No. 2022-6594

DENR-PALAWAN
PENRO-RECORDS
RELEASED
By 26 JUL 2022
Date 26 JUL 2022 CN 32-184



Republic of the Philippines
Department of Environment and Natural Resources
Community Environment and Natural Resources Office
Barangay 5, Calamianes Island, Coron, Palawan
Telephone No. +63 917 504 2633

E-mail: cenrocoron@denr.gov.ph Website: www.denr.gov.ph

19 July 2022

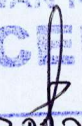
MEMORANDUM

FOR : Provincial Environment and
Natural Resources Officer
Sta. Monica, Puerto Princesa City

FROM : The Community Environment and
Natural Resources Officer
Coron, Palawan

SUBJECT : INVESTIGATION REPORT ON THE LANDSLIDE IN THE
MOUNTAIN QUARRY IN SITIO LAMUD, BRGY. POBLACION
6, CORON, PALAWAN

**DENR PENRO
PALAWAN RECORDS
RECEIVED**

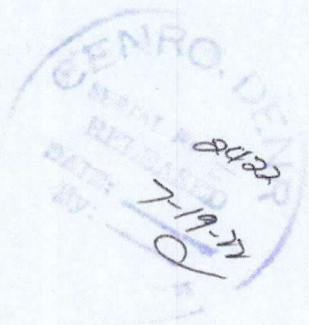
BY: 
DATE: 07-20-2022 22-6594

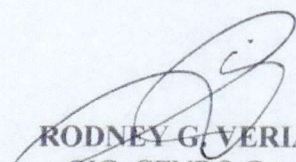
Respectfully endorsing is the investigation report dated 11 July 2022 pertaining to the abovementioned subject.

Last 08 July 2022, a concerned citizen posted a landslide incident on a social media platform (Annex-1). During the prior week, constant strong rains have been occurring daily in Coron. Based on the report of PAGASA from 04-08 July 2022, the Philippines were experiencing the effect of Southwest Monsoon or *Habagat*, Intertropical Convergence Zone (ITCZ), and a Low Pressure Area (LPA).

It was confirmed during the investigation that a small portion of the quarry wall was chipped off. However, the materials all fell along the old haul road and only reached a few meters from the source. A letter informing the BCT Trading and Construction of the event and urging them to expedite the rehabilitation of the site was already sent to their office and was received 18 July 2022 (Annex-2).

For your information and record.




RODNEY G. VERIAN
OIC, CENRO Coron
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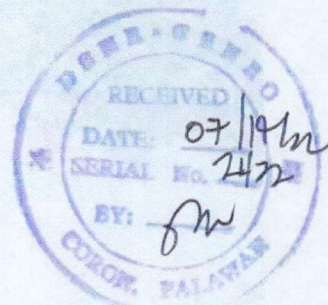
11 July 2022

MEMORANDUM

FOR : The Community Environment and
Natural Resources Officer
Coron, Palawan

FROM : The Undersigned

SUBJECT : INVESTIGATION REPORT ON THE LANDSLIDE IN THE
MOUNTAIN QUARRY IN SITIO LAMUD, BRGY. POBLACION
6, CORON, PALAWAN



Background Information

Last 08 July 2022, a concerned citizen posted a landslide incident on a social media platform (Annex-1). During the prior week, constant strong rains have been occurring daily in Coron. Based on the report of the Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) from 04-08 July 2022, the Philippines were experiencing the effect of Southwest Monsoon or *Habagat*, Intertropical Convergence Zone (ITCZ), and a Low Pressure Area (LPA). The infiltration and saturation of the bare earth materials with water may have weakened the stability of the slope and is one of the main causes of mass movements.

Purpose and Scope

The fieldwork was conducted to verify the post of the concerned citizen about the landslide that has occurred. The investigation includes an ocular inspection of the site, photo documentation, and a verbal interview with the locals nearby.

Findings and Observations

1. The subject area is geographically at 12° 01' 21" N, 120° 11' 39" E. It is within Sitio Lamud under the jurisdiction of Brgy. Poblacion 6. The area is approximately 3 km away from CENRO which can be reached by an approximately 5-minute motorcycle ride (Figure 1).
2. Upon arrival in the area, piles of eroded aggregates were observed along the access road and floor/base of the mountain quarry (*see Photo Documentation*). The sound of flowing water along the quarry wall was also heard.



Figure 1. Location map of the mountain quarry in Sitio Lamud, Brgy. Poblacion 6, Coron. The image is from Google Earth.

3. Looking at the slopes of the quarry, an area with a noticeable scarp can be seen. Below it, debris of rocks up to ~half a meter across and soil was also observed. Based on the lack of gullies on the scarp and the deposits lacking signs of compaction due to recent rains, it suggests that the movement happened quite recently (*see Photo Documentation*).
4. Comparing an image taken from 24 March 2022 to the recent image, it can be concluded that a portion of the quarry face is missing in the recent image. (Figure 2).



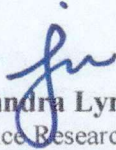
Figure 2. Comparison of the morphology of the area. The image on the left was taken in March whereas the image on the right was taken in July. Encircled is the area where evidence of mass movement was observed.

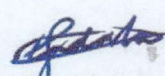
5. A subsequent interview with the locals in the area was conducted. As they recalled, light to moderate downpour was happening throughout the day and torrential rain by nightfall. At around 6:30 pm, a low rumbling sound was heard by the residents in the area akin to the passing of a large truck. This has raised fears and concerns among the nearby residents.

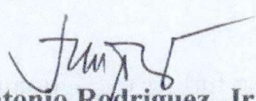
Comments and Recommendations

1. Although the slopes are made up mostly large of stable rock mass and there are no signs of a large-scale mass movement, the possible risks of mass movement cannot be understated. The company should hasten the rehabilitation of the area to minimize the possible hazards posed by the quarry site.
2. To CENRO, inform the company regarding this matter.

For your reference, record, and further instruction(s).


Casandra Lynda Jalac
Science Research Specialist II
MGB MIMAROPA – Embedded Personnel


Vann Ian Cadalso
Science Research Specialist II
MGB MIMAROPA – Embedded Personnel


Antonio Rodriguez, Jr.
Land Management Inspector
CENRO-Coron

Annex-1





July 11, 2022

The President
BCT Trading and Construction
Coron, Palawan

Dear *Sir/Madam*:

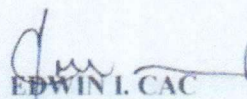
Good day!

This is pertaining to the report by a concerned citizen through social media and the field verification conducted by the personnel of this office. It has been determined that the rate of erosion of the bare slopes of your quarry site located at Sitio Lamud, Barangay 6, Coron, has been increasing with the onset of rains. The instability caused by the infiltration of rainwater has already caused a minor landslide which was of great concern to the public living close to the site.

In this regard, this office is hereby urging you to expedite the rehabilitation activity of the quarry site to mitigate any possible damage and help prevent further mass movement in the area.

Respectfully,

For and in the absence of the CENRO

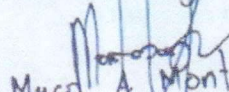

EDWIN L. CAC
DMO IV

In-Charge of the Office of CENR

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7-14-22
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Received by:


Myca A. Montebon

7/18/22



Photo Documentation



The eroded aggregates which accumulated along the base of the area.



The current state of the mountain quarry.