

MEMORANDUM

FOR : THE REGIONAL EXECUTIVE DIRECTOR

THRU : THE ASSISTANT REGIONAL DIRECTOR  
FOR TECHNICAL SERVICES

FROM : THE VERIFICATION SURVEY TEAM  
RSO No. 346 Series 2021

SUBJECT : **REPORT ON THE CONDUCT OF GROUND  
VALIDATION SURVEY AND LAND CLASSIFICATION  
STATUS OF LOT NO. 9540, PLS 726-D COVERED BY TCT  
NO. T-1339 IDENTICAL TO LOT 8, APPROVED PLAN  
NO. PSU 106364 LOCATED IN BARANGAY SAN  
ANTONIO, STA CRUZ, MARINDUQUE.**

In compliance with the Regional Special Order (RSO) No. 346 Series 2021 dated July 01, 2021, the team verified the relative position and Land Classification Status of Lot No. 9540, PLS 726 Sta. Cruz Cadastre located in San Antonio, Sta. Cruz, Marinduque.

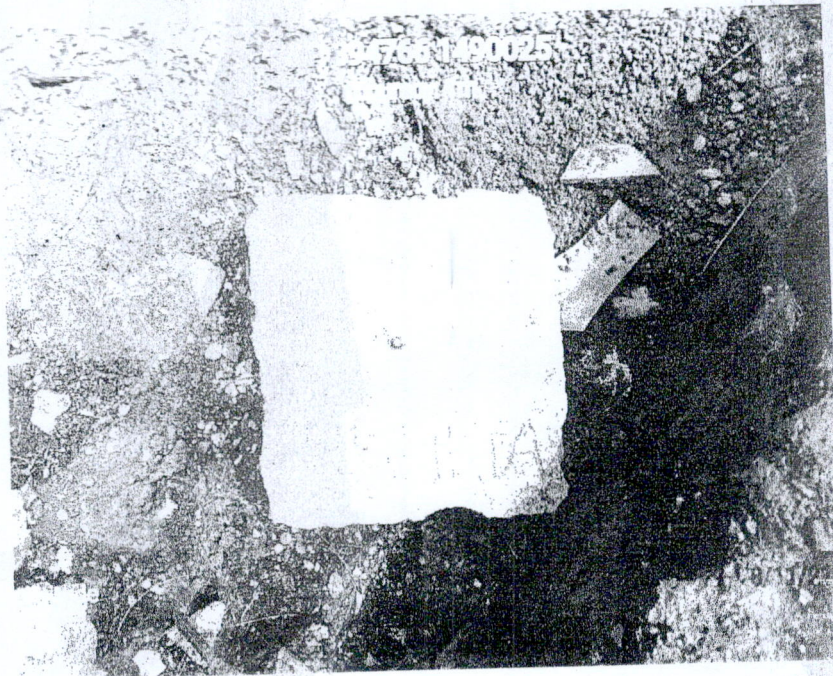
The team which composed of representatives of DENR Regional Office and DENR PENRO Marinduque was escorted by seven (7) personnel from the Philippine National Police assigned by the Local Government Unit (LGU) of Sta. Cruz, Marinduque. (Annex "A")

**EXECUTION OF SURVEY AND FINDINGS:**

Relative thereto, the Team conducted the ground verification survey of Lot No. 9540, PLS 726-D using the Technical Description on approved PLS document and Tick Marks with corresponding grid values on approved **LC Map No. 789** dated **November 22, 1928**. The following results were gathered:

1. The actual position of Lot No. 9540, PLS 726-D was located on the ground using the approved technical description found in the lot data computation declaring as **school sites**, the subject lot falls within and identically with Lot 8 of approved Plan No. **PSU 1063664** as surveyed for the **Municipal Government of Sta. Cruz** which was covered by **Transfer Certificate of Title (TCT) No. T-1339** owned under the name of **Marcopper Mining Corporation** located within Barangay San Antonio, Municipality of Sta. Cruz, Province of Marinduque; (Annex "B")
2. Abandoned buildings and Marcopper Golf Club house was seen and documented within the subject lot;



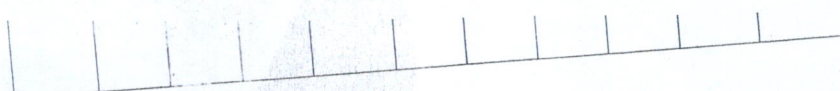


### **Verification of Forest Boundary Using Approved Land Classification Map and Forest Land Boundary Delineation**

Due to the absence of corner monument marked on the ground (trees) mentioned on the timeworn LC Map, the team gathered data on the remaining natural boundaries present near the allegedly timberland area block -T, LC Map No. 789 and then compared thru analyzation with replotted/digitized LC Map and Forest Land Boundary Delineation (FLBD):

- a. On the approved LC Map No. 789, Kilo-kilo road is located approximately 500 meters North from corner 34 of the alleged timberland block while ground verification shows that Kilo-kilo road distance from timberland is reduced to 250 meters when using re-plotted LC Map;
- b. Using replotted/digitized LC Map, corner number 45 and 46 falls the same as the western boundary of Tapan Pit;
- c. When using the approved LC Map No. 789, the alleged Timberland block falls within flat terrain and used as existing Marcopper Golf course;
- d. It was observed that overlaying the approved LC Map No. 789 using its drawn reference ticks with corresponding grid value against Topographic and replotted/digitized LC Map shows that there is a discrepancy of 1,800 to 2,000 meters which was verified on ground;
- e. Further, observation shows that using the replotted/digitized LC or FLBD gives more accurate Land Classification Status than the approved LC Map No. 789 (Annex "C" attached letter from NAMRIA). However, either the

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## SUMMARY OF FINDINGS

RECOMMENDATION:

For information and further instruction.

  
**ENGR. ANITAL L. IRINGAN**  
Team Leader

  
ENGR. JOEGENE G. UNABIA  
Member

O'SENIEL MOISES TUDDAO  
Member

  
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Noted by:

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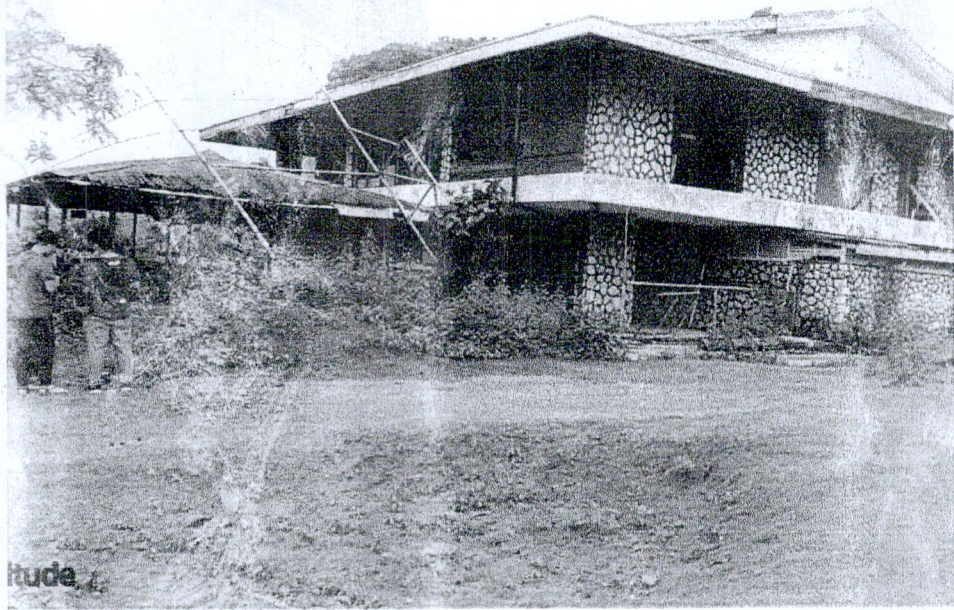
Recovered control points within Sta. Cruz, Marinduque used for calibration of Precision Instrument



Base Station located near the subject lot

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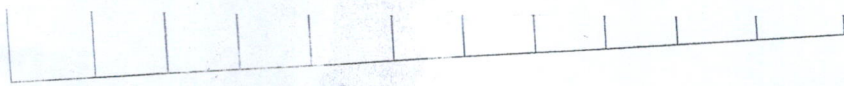


Abandoned Marcopper Club House

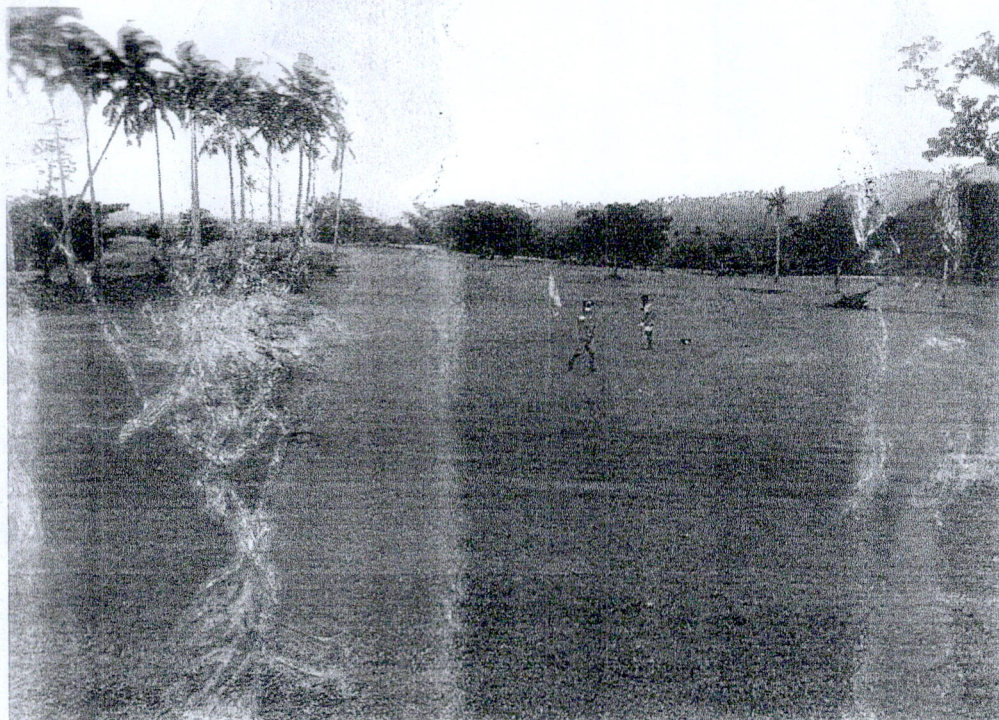


Abandoned Marcopper Club House

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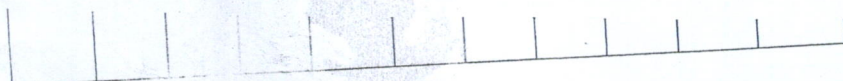


Marcopper Golf Course

3. The team recovered four (4) existing control points within the Municipality of Sta. Cruz which was used for calibration of precision instrument used, base station is located on south-western most part of existing golf course;



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SHOWING RELATIVE POSITION OF LOT  
PLOT NO. 226-D AS VERIFIED ON GROUND  
AND PLOTTED ON DIGITIZED CADASTRAL LOTS,  
REPLOTTED/DIGITIZED LC AND APPROVED  
LC MAP

BAYANGAY SAN ANTONIO  
MUNICIPALITY OF STA CRUZ  
PROVINCE OF MARINDUQUE

UTM ZONE 51N  
WGS 84

400 700 1,140 1,520 1,900  
Meters

TIMBERLAND BLOCK  
AS PER APPROVED LC

1,000 meters discrepancy

TIMBERLAND BLOCK  
AS PER FLBD

SUBJECT LOT

2,000 meters  
discrepancy

FLBD-2  
TIMBERLAND  
AREA = 2,000,000 SQ. M.

AREA 217,83

#### REMARKS:

- SUBJECT LOT FALLS WITHIN TIMBERLAND AS PER ORIGINAL AND APPROVED LC MAP NO. 789 (PLOTTED USING CONTROL TICKS WITH CORRESPONDING GRID VALUES);
- SUBJECT LOT FALLS WITHIN ALIENABLE AND DISPOSABLE LAND IF REPLOTTED LC/FLBD IS USED FOR LAND CLASSIFICATION;

#### MAP SOURCES:

- ACTUAL OBSERVATION ON THE GROUND
- DCDB
- APPROVED LC MAP NO. 789 (1928)
- REPLOTTED LC/FLBD
- ESRI SATELLITE IMAGERY (2018)

#### PREPARED BY:

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O'SONIEL MOISES G. TUDDAO  
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ENGR. ANITA L. IRINGAN  
TEAM LEADER

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community