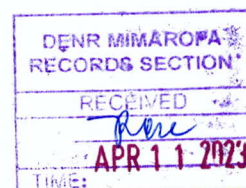




Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
Provincial Environment and Natural Resources Office



March 31, 2023

MEMORANDUM

FOR : The Regional Executive Director
MIMAROPA Region

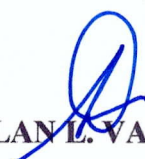
FROM : The OIC - PENRO
Oriental Mindoro

SUBJECT : **FIRELINE ESTABLISHMENT WITHIN THE IDENTIFIED
FIRE PRONE AREAS IN BRGY. ROSACARA, BANSUD,
ORIENTAL MINDORO**

Forwarded is the report of CENRO Roxas, Oriental Mindoro regarding the above subject.

Please be informed that a ten (10) hectares fireline were established within the graduated NGP/eNGP plantations in Brgy. Rosacara, Bansud, Oriental Mindoro.

For information and reference.


ALAN L. VALLE





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

Community Environment and Natural Resources Office

Camia St., San Mariano, Roxas, Oriental Mindoro

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March 27, 2023

MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA Region
1515 DENR by the Bay Building
Roxas Boulevard, Ermita Manila

THRU : OIC, PENR Officer
Calapan City, Oriental Mindoro

FROM : The CENR Officer
Roxas, Oriental Mindoro

SUBJECT : **FIRELINE ESTABLISHMENT WITHIN THE IDENTIFIED FIRE PRONE AREAS IN ROSACARA, BANSUD ORIENTAL MINDORO**

DENR-MIMAROPA REGION	
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE	
ORIENTAL MINDORO	
PENRO TRACKING NO.	
RECEIVED BY:	<i>[Signature]</i>
DATE:	MAR 30 2023
TIME:	

Forwarding is the report on the above cited subject with attached maps and geo-tagged photos. A total of ten (10.0) hectares were established in the identified fire prone areas in Rosacara, Bansud, Oriental Mindoro.

For information and record.

[Signature]
ENGR. CAESAR E. QUEBEC



Community Environment and Natural Resources Office

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March 20, 2023

MEMORANDUM

FOR : The CENR Officer

THRU : The Chief, Monitoring and Enforcement Section

FROM : Enforcement and Monitoring Team

SUBJECT : **FIRELINE ESTABLISHMENT WITHIN THE IDENTIFIED FIRE PRONE AREAS IN ROSACARA, BANSUD ORIENTAL MINDORO**

A. BACKGROUND

Forest fire occurs mostly every year in different parts of the Philippines. This caused a mild to severe damaged to forest species and other wildlife species. In a tropical country like Philippines, this happens mostly in the dry months (March, April, May).

The DENR includes several activities like fire line and firebreak establishment in its reforestation projects like the National Greening Program/Enhanced National Greening Program to protect the established plantations from wildfire/forest fires. These are the strategies preventing the spread of fire to forest plantations and other areas in the forest and for minimizing the effect.

Forests in Mindoro are vulnerable to severe damage caused by forest fires since one of its human practices (specially the IP community) is "kaingin".

Every year, there were reports that several forest plantations under National Greening Program and Enhanced National Greening Program were damaged by fire. Most reported forest fire incidences happened frequently in graduated NGP sites located in Brgy. Rosacara, Bansud, Oriental Mindoro, some in Bulalacao, Oriental Mindoro and Gloria, Oriental Mindoro. Thus, these areas were identified as fire prone areas.

B. OBJECTIVE

The main objective is to establish a 10 hectare (10 meters width and 10 kilometers length) fireline within the identified fire prone areas in Rosacara, Bansud, Oriental Mindoro.



C. LOCATION

The land cover of Oriental Mindoro is composed of twelve (12) classifications based on land cover map 2020 (*source NAMRIA*). These are annual crops, brush/shrubs, built-up, closed forest, fishpond, grassland, inland water, mangrove forest, marshland/swamp, open forest, open/barren and perennial crop.

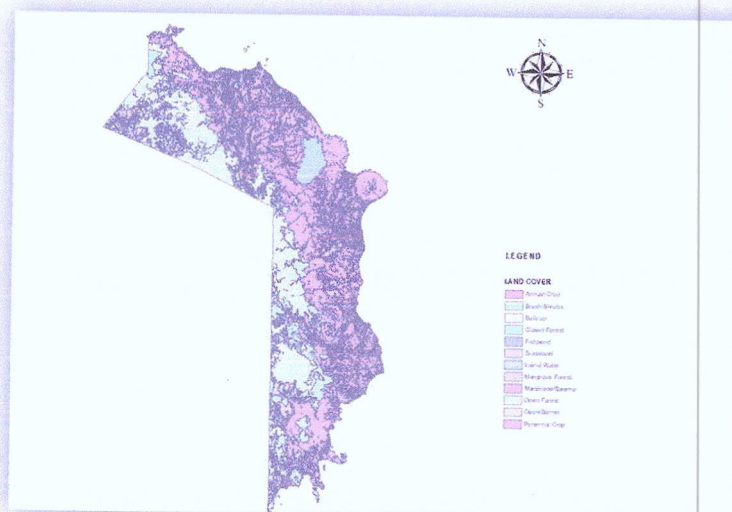


Figure 1. Land Classification Map 2020 of Oriental Mindoro

Rosacara is a barangay in municipality of Bansud, province of Oriental Mindoro where several forest fire incidences were reported. Most affected land cover in the area when forest fire occurs, are open forest and perennial crops. This area is inhabited by Indigenous community (Mangyan-Buhid and Hanunuo).



Figure 2. Map of Bansud, Oriental Mindoro (*source: Geoportal Philippines*)

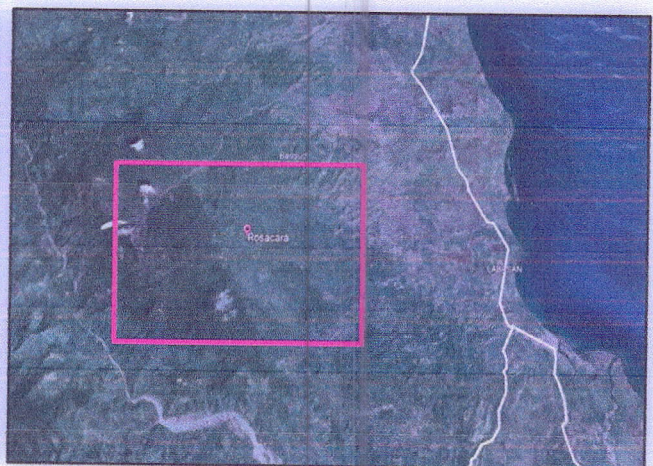


Figure 3. Map of Rosacara, Bansud, Oriental Mindoro (*source: Google Earth*)



D. LIMITATIONS AND CHALLENGES OF THE ACTIVITY

- A. Most of the areas are steep slopes which made it difficult for the laborers to accomplish the target length of fireline.
- B. The target length or area of the fireline is based on the available fund
- C. The target areas are the identified fire prone sites in Rosacara, Bansud, Oriental Mindoro

E. FIRELINE ESTABLISHMENT

A. Coordination

Before the actual fireline establishment, the team coordinated the scheduled activity in Barangay LGU of Rosacara, Bansud, Oriental Mindoro and to concerned Indigenous Leader (*see figures below*).



Figures 4 to 7. Figures above shows the coordination done by CENRO Roxas team with the LGU of Rosacara and some Indigenous people



B. Actual establishment

The establishment of fireline within the fireprone areas was done by the Indigenous people (IP) within the identified sites and with everyday monitoring of CENRO Roxas staff. The selected areas are graduated NGP/ENGP sites which are reported as fire prone sites.

Table 1. Dimension of fireline (meters x kilometers) within fireprone NGP sites where timber species and bamboo are planted

LOCATION	REFORESTATION PROGRAM	SPECIES OF TREES PLANTED	LENGTH OF ESTABLISHED FIRELINE
Rosacara, Bansud, Oriental Mindoro	NGP CY 2013	Narra, Mahogany, Gmelina, Auri coliformis, Acacia mangium, Guyabano	10 m x 7.34 km
Rosacara, Bansud, Oriental Mindoro	NGP CY 2018	Bamboo	10 m x 1.47 km
Rosacara, Bansud, Oriental Mindoro	NGP CY 2011	Narra and Mahogany	10 m x 1.19 km
TOTAL			10.0 hectares



Figure 8. Map showing NGP CY 2013 plantation with established fireline (see red lines)



Figure 9. Map showing NGP CY 2018 plantation with established fireline (see red lines)



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Figure 10. Map showing NGP
CY 2018 plantation with
established fireline (see red
lines)

The accomplished distance of established fireline is approximately measured with a total of 10 kilometers and width of 10 meters (based on the measured tracking during monitoring).

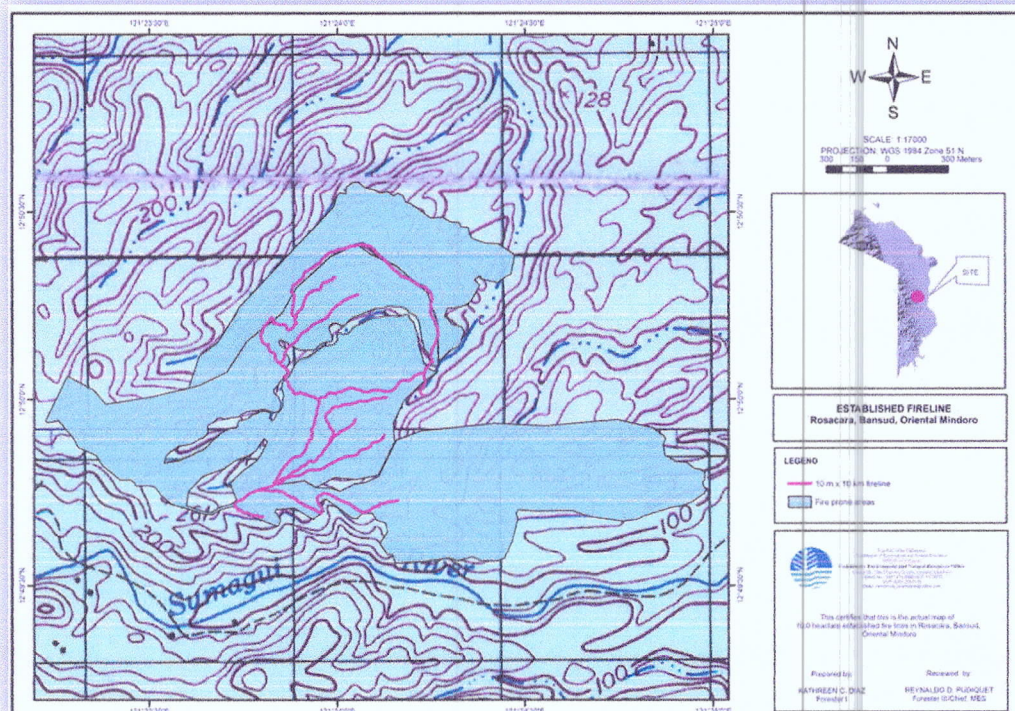


Figure 11. Map showing the image of established fireline within the identified fire prone sites



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The chosen laborers to conduct the activity are from IP community composed of ten (10) males and ten (10) females (a total of 20 laborers) (*see figures below*).



Figures 12-14: Photos above show the IP laborers taken during fireline establishment



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FIRELINE ESTABLISHMENT
Rosacara, Bansud, Oriental Mindoro





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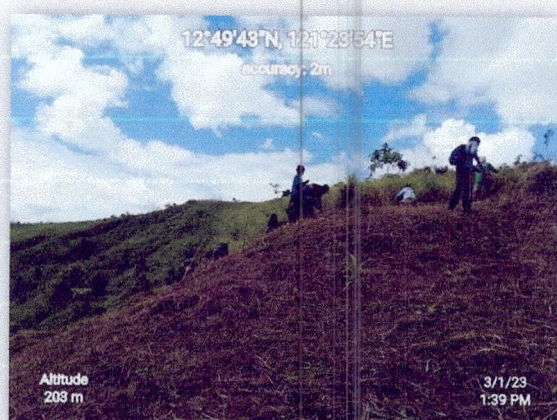
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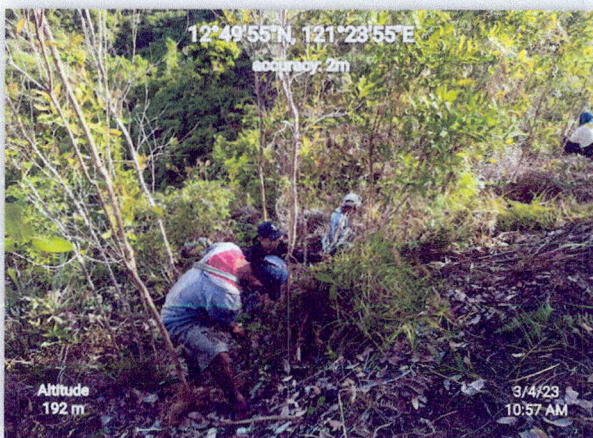
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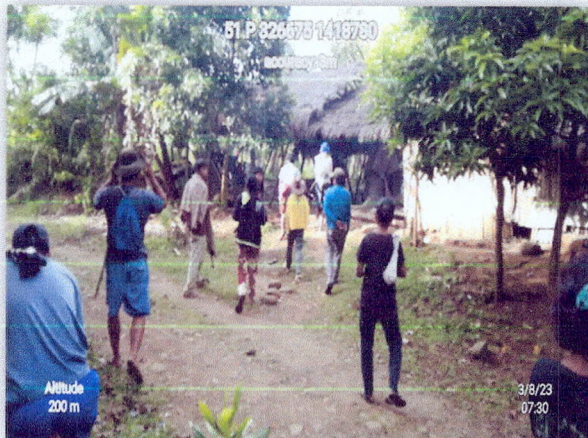
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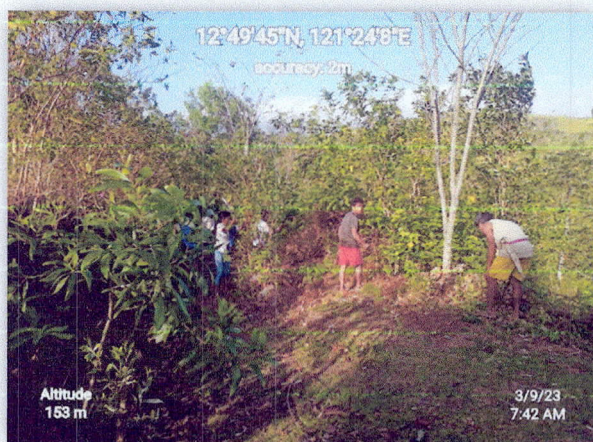
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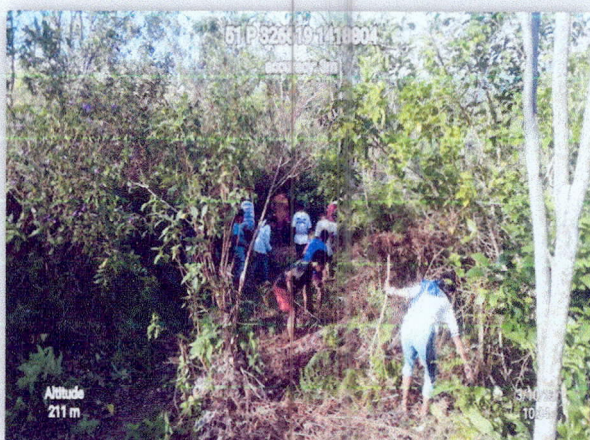
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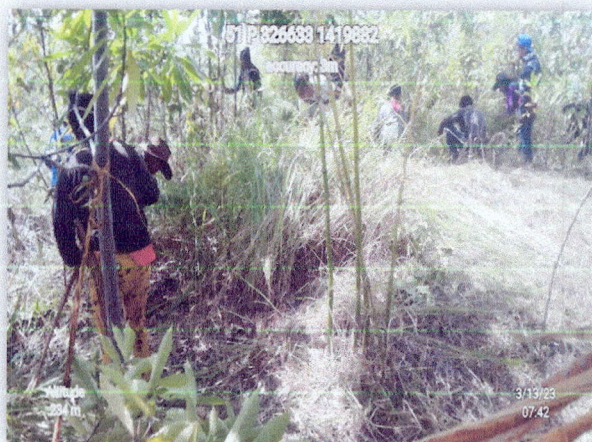
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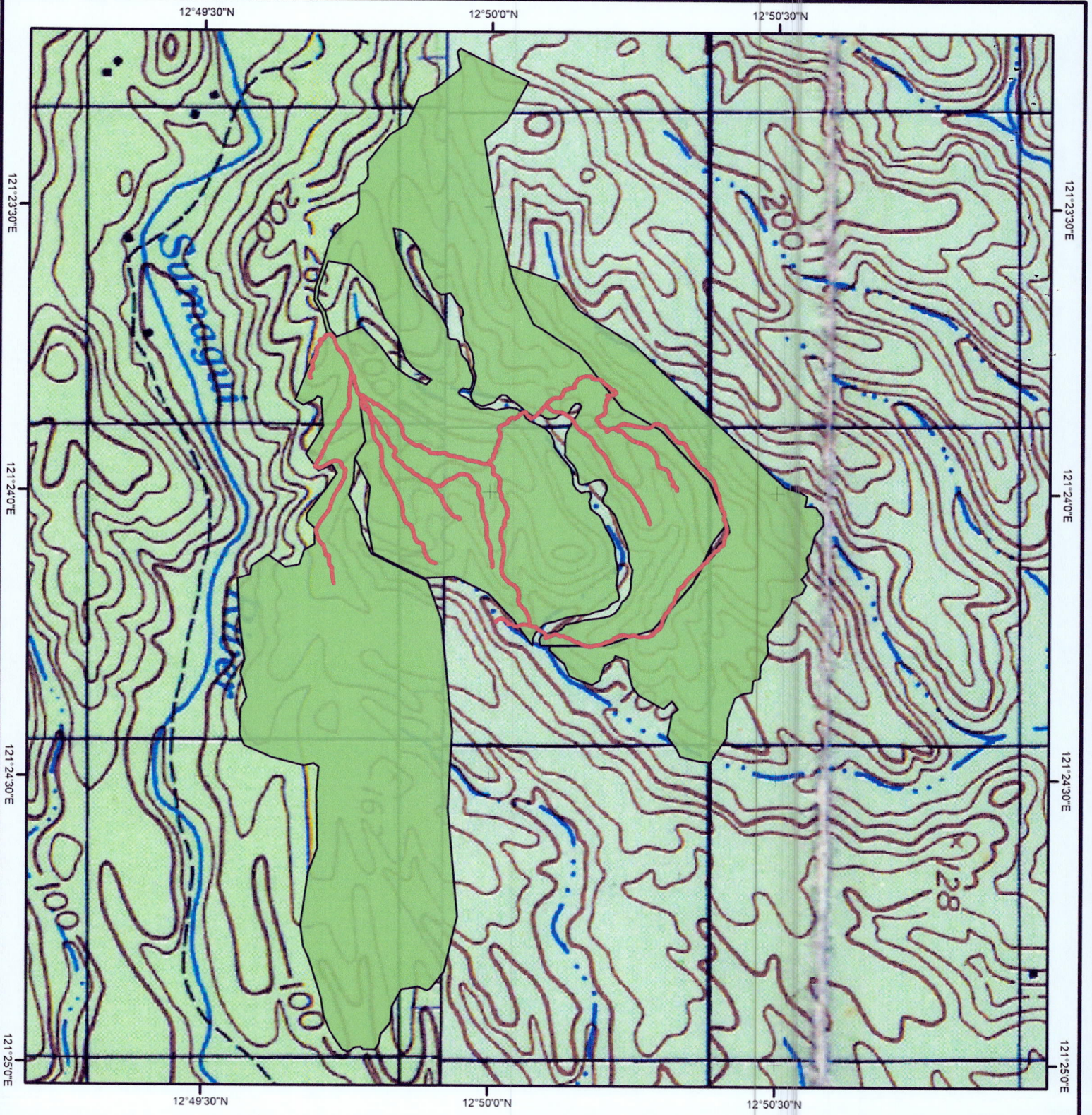
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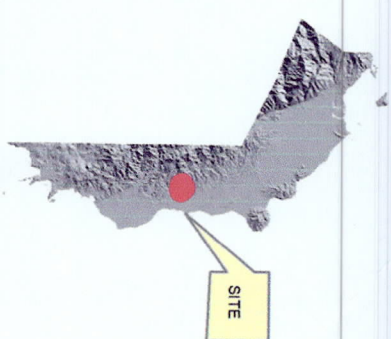
FIRELINE ESTABLISHMENT

Rosacara, Bansud, Oriental Mindoro





SCALE: 1:17000
 PROJECTION: WGS 1984 Zone 51 N
 300 150 0 300 Meters



ESTABLISHED FIRELINE
 Rosacara, Bansud, Oriental Mindoro

LEGEND

- 10 m x 10 km fireline
- Fire prone areas



This certifies that this is the actual map of
 10.0 hectare established fire lines in Rosacara, Bansud,
 Oriental Mindoro

Prepared by:
KATHREEN O. DIAZ
 Forester I

Reviewed by:
REYNALDO PADILQUET
 Forester II/Chief, MES



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