



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

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DENR MIMAROPA
RECORDS SECTION
RECEIVED

APR 18 2023

☐ INCOMING ☐ OUTGOING
BY: _____ DATE NO. _____

April 12, 2023

MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA Region
1515 DENR By the Bay Building, Roxas Boulevard,
Barangay 668, Ermita, Manila

THRU : The OIC, ARD for Technical Services

FROM : The Provincial Environment and
Natural Resources Officer

SUBJECT : REPORT ON THE IMPLEMENTATION OF LAWIN FOREST
AND BIODIVERSITY PROTECTION SYSTEM WITHIN THE
FOREST CONSERVATION AREA (FCA) OF BPR FOR THE
1ST QUARTER OF 2023

Respectfully forwarded is the memorandum of CENRO Coron, Palawan dated March 28, 2023 relative the above subject.

Per memorandum, the BPRMO of CENRO Coron conducted a total of 96.19 kilometers distance patrolled for the 1st Quarter of CY 2023. In addition, there were twenty-eight (28) threats recorded/observed. *(Please refer to the attached matrix of the report)*

For information and further instruction.

Copy Furnished:
CENRO Coron, Palawan
<cenrocoron@denr.gov.ph>
KVE/MES Doc. No. 2023-2824


FELIZARDO B. CAYATOC

DENR-PALAWAN
PENRO-RECORDS
RELEASED

By: 
Date: 13 APR 2023 23-952



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

MES

MEMORANDUM

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

THRU : The PENR Officer
DENR-PENRO Palawan
Santa Monica, Puerto Princesa City
Palawan

FROM : The CENR Officer
CENRO Calamianes Islands

SUBJECT : **REPORT ON THE IMPLEMENTATION OF LAWIN FOREST
AND BIODIVERSITY PROTECTION SYSTEM WITHIN THE
FOREST CONSERVATION AREA (FCA) OF BPR FOR THE
1ST QUARTER OF 2023**

**DOCUMENTS
ATTACHED :** 1. BPRMO Report on Lawin Accomplishment for 1st Quarter of 2023

DATE : **MAR 28 2023**

**DENR PENRO
PALAWAN RECORDS
RECEIVED**

BY: *[Signature]*
DATE: 03-29-2023 DN 23-2824

Respectfully forwarded is the report of the BPR Management Office for 1st Quarter of 2023 on the implementation of Lawin Forest and Biodiversity Protection System Accomplishments. Based on the report, the BPRMO patrolled a total of 96.19 or 106.87% of their target as per BPRMO's 1st Quarter Lawin Patrol Plan of 2023

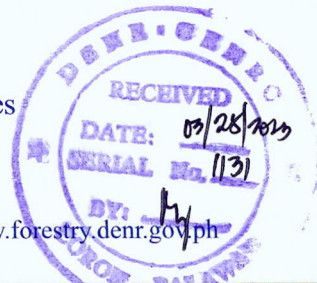
For the Regional Executive Director's information and record.

[Signature]
RODNEY G. VERIAN





Republic of the Philippines
Department of Environment and Natural Resources
FOREST MANAGEMENT BUREAU
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Forest Management Bureau
BPR MANAGEMENT OFFICE
RELEASED

MEMORANDUM

FOR : The OIC, CENR Officer
CENRO Calamianes Islands
Coron, Palawan

FROM : The BPR Management Office Technical Personnel

SUBJECT : **REPORT ON THE IMPLEMENTATION OF LAWIN FOREST
AND BIODIVERSITY PROTECTION SYSTEM WITHIN THE
FOREST CONSERVATION AREA (FCA) OF BPR FOR THE
1ST QUARTER OF 2023**

DOCUMENT
ATTACHED : 1. BPRMO SMART-generated report

DATE : **MAR 28 2023**

Date: **03.28.2023**
By: **ag** PP **12/188/4**
Ref. Code: **LA0320**

With the implementation of the Lawin Monitoring and Patrolling System, respectfully submitted is the detailed report of the Busuanga Pasture Reserve Management Office (BPRMO) on the results of the Lawin monitoring and patrolling conducted in the Municipalities of Busuanga and Coron, Palawan within the BPR area for 1st Quarter of 2023.

I. Findings and Result

Two (2) Patrol Teams were dispatched during the conduct of this activity within the Forest Conservation Area (FCA) of BPR situated in the Municipalities of Coron and Busuanga, Palawan. The target distance from January to March 2023 is 90 kilometers (km) based on the Lawin Patrol Plan for 1st Quarter of 2023. However, for clarifications, there is no Lawin activity on the month of January 2023 by the BPRMO personnel since all of the personnel/patrollers were not yet renewed until February 2023. In order to compensate the target distance of 30 km for the month of January 2023, the BPRMO personnel adjusted the target for the month of March from 30 km to 60 km. Based on the results, the BPRMO Patrol Teams were able to traverse an aggregate distance of 96.19 km or 106.87 % (Table 1).

Table 1. BPRMO LAWIN monitoring and patrolling accomplishment for 1st Quarter of 2023

Months	Target (Km)	Accomplishment (Km)	Difference (Km)	Accomplishment (%)
January	30	--	--	--
February	30	48.64 (overall)	18.64	162.14
Feb 17, 2023	(void)	(-19.20)	--	--
February	30	28.79 (total)	-1.20	95.98
March	30	67.40	7.40	224.67
Overall	90	96.19	(6.19)	106.87

**The accomplishment rate is computed based on the 30 kilometer target per CENRO/CA per month compared to the sum of the distance patrolled per CENRO/CA.*

Table 2. Shows a total of 1,201 Forest Condition Counts (FCCs) recorded during the patrolling. Open Uncultivated (OUC) appears to have the highest figure recorded for the 1st Quarter of 2023 with 538 or 45%, while Old Growth Forest have the least with 27 counts or 2%. The remaining forest condition such as: Early Secondary Forest (ESF), Open-Cultivated (OC), and Advance Secondary Forest (ASF) with corresponding total figures of 279 (23%), 291 (18%), and 138 (12%), respectively. Based on the SMART analysis, the total FC with good condition has a total count of 444 or 37% which includes OGF, ASF and ESF. The OUC count appears to be significant, but this is due to teams traversing large grassland areas which is a natural feature of BPR while conducting the patrol.

Table 2. Patrol Observation: Forest Condition Counts

Forest Condition											
OGF		ASF		ESF		OUC		OC		Total	
Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
27	2	138	12	279	23	538	45	219	18	1201	100

OGF-Old Growth Forest. ASF-Advance Secondary Forest. ESF-Early Secondary Forest. OUC-Open, Uncultivated. OC-Open, Cultivated

With respect to the presence of natural regenerants, 560 FCCs or 46% of the total FCC were recorded while 652 FCCs or 54% with absence of natural regenerants. There were (11) or 1% recorded dense natural regenerants, while two hundred fifty-nine (259) FCCs or 22% and two hundred seventy-nine (279) or 23% are recorded as moderate and sparse natural regenerants, respectively (Table 3).

Table 3. Patrol Observation: Natural Regenerant Count

Regenerants											
Presence of Regenerant								No Regenerants		Total Forest Condition	
Dense		Moderate		Sparse		Total					
Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
11	1	259	22	279	23	560	46	652	54	1201	100

Table 4 shows the observed and recorded threats within the FCA of BPR. A total of twenty-eight (28) counts of threats were observed and recorded during the Lawin Patrolling

for the 1st Quarter of 2023. Slash and burn farming (kaingin) recorded the highest counts with fifteen (15) recorded occurrence or observation, followed by cutting of trees with eleven (11) count, and another attributed charcoal and non-timber forest products

Table 4. Patrol Observation: Threat Count

Threats				Total
Cutting of Trees	Charcoal	Slash and burn farming (kaingin)	Non-timber forest product	
11	1	15	1	28

As can be viewed from the map in Annex C, the threats observed/documented in the FCA from the month of January to March (1st quarter) 2023 are found in Barangays of Decalachao, Bintuan, Guadalupe, San Nicolas, Coron and Barangays of Sagrada, Buluang, Old Busuanga, Bogtong, New Busuanga, Old Busuanga and San Rafael, Busuanga Palawan. Since there is no Lawin activity in January 2023 as indicated in Part I of this report, the forest protection effective report for this quarter was projected from December 2022 to March 2023. As a result, the threat index was computed as 0.12 threats per kilometer (T/Km) in December 2022, up to 0.33 T/Km in the month of February 2023. However, threat index for February 2023 was computed as approximately 0.33 threats per kilometer (T/Km), since, the value could be lower if the patrol on February 17, 2023 will be deleted since it was considered as void due to device error. Further, the threat index for March 2023 was computed as 0.22 threats per kilometer (T/Km). Likewise, the value can change since the target patrol distance were adjusted from 30 km to 60 km to compensate the target for the month of January 2023 as explained in Part I.

II. Future Actions

As initial action of the BPRMO on the threats observed/ recorded during the conduct of Lawin activity, will send a communication letters to the concerned barangays for their information regarding the illegal activities in their area within BPR.

III. Remarks and Recommendations

1. Frequency of the visibility of patrolling and Lawin monitoring within the Forest Conservation Area of BPR is being intensified to include weekends, if necessary, in order to prevent and immediately address any possible threats within the forested areas of BPR;
2. As stipulated in the future actions, will send letter addressed to the concerned Barangays with a record of threats observed in every conduct of Lawin patrolling and monitoring to inform and assists them if it requires urgent action;
3. Observed unlawful activities on the ground are being thoroughly investigated and documented and filing of appropriate criminal complaints against the offenders pursuant to Presidential Decree No. 705 and other environmental laws, if so warrant;
4. The BPRMO for this year is targeting the conduct of seminar/IEC to the Local Government Unit (LGUs)/Sangguniang Bayan for information of unlawful

activities within the area covered by the BPR in their municipality; to provide awareness and possible collaboration for crafting possible solutions on the recorded illegal activities;

5. Conduct of rehabilitation activities such as tree planting, enrichment planting and assisted natural regeneration to maintain and accelerate the recovery of forest cover; and
6. The BPRMO will communicate through Lawin Helpdesk for the deletion of error patrol data which was synched to the SMART Connect of the BPR.

For the OIC, CENRO's information, record and further instruction/s, if any.

Prepared by:

RICHARD JOHN P. GALAGATE
Project Operations Control Officer


DESIREE YVETTE A. SANDOVAL
Project Development Officer


BERNIE P. MANTAL
Project Development Officer



Republic of the Philippines
Department of Environment and Natural Resources
Lawin Forest and Biodiversity Protection System

Summary Patrol Report

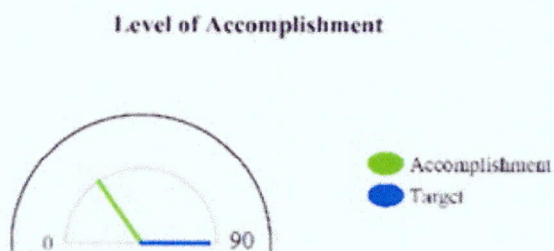
Region 04B - BPR

Number of days analyzed: 90

Mar 23, 2023 10:19 PM

This report presents the patrol performance and quality of the implementing unit during the above stated period of time (number of days). The report contains information on accomplishment rate, coverage and intensity of patrolling in different forest types on patrol distance covered per patroller. The information is meant to provide a basis for patrol planning for the next planning period and implementation of adaptive measures to enhance patrolling as necessary.

Overall accomplishment rate*



Accomplishment* for the period	Target* distance for the period
96.19	90.00

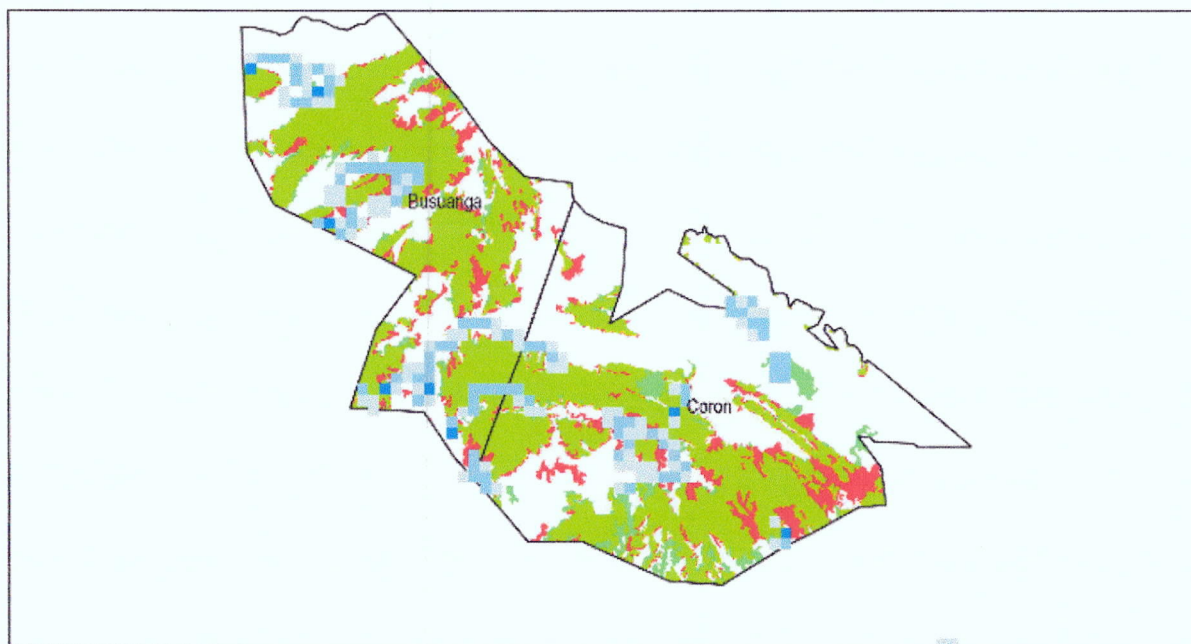
Accomplishment Rate:
103.06

*Target is computed based on 10km target per team of 4 DENR patrollers per month

**note: For this 1st Quarter, there is no Lawin activity on the month of January by the BPRMO personnel since all of the personnel/patrollers were not yet renewed until February 2023.*

In order to compensate the target distance of 30 km for the month of January 2023, the BPRMO personnel adjusted the target for the month of March from 30 km to 60 km.

Patrol coverage and intensity



Patrol distance covered by each forest ranger

Forest Ranger	Patrol Distance Accomplished
Gricilito Lagao	86.72
Leonardo Puno	86.72
Michael Acbang	80.88
Rommel Gacayan	80.88
Richard Galagate	55.99
Archie Agnes	42.02
Emerson Montanez, Jr.	42.02
Dindo Sarmiento	32.87
Joy Kristel Degorio	28.68
Desiree Yvette Sandoval	25.53
Bernie Mantal	11.49



Forest Protection Effectiveness Report

Region 04B - BPR

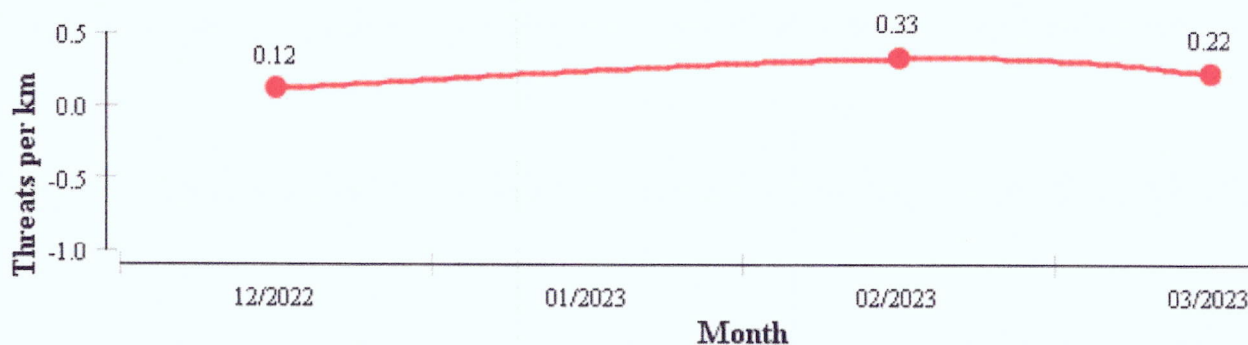
Number of days analyzed: 121

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This reports presents trends in observations of forest condition, regeneration, threats and indicator species. The combined presentation allows for an evaluation if protection efforts are effective, conservation targets are met and the forest achieves the desired future forest condition. Protection efforts are effective, when records of forest condition, regeneration and indicator species show an upward trend towards more observations more and denser regeneration, particularly in degraded forest areas. Increasing trends in indicator species suggest that the improved forest condition is providing a better habitat for forest dependent species. All trends presented are put in relation to the patrol effort to provide comparability. Forest cover data were derived from 2003 and 2010 NAMRIA land cover maps.

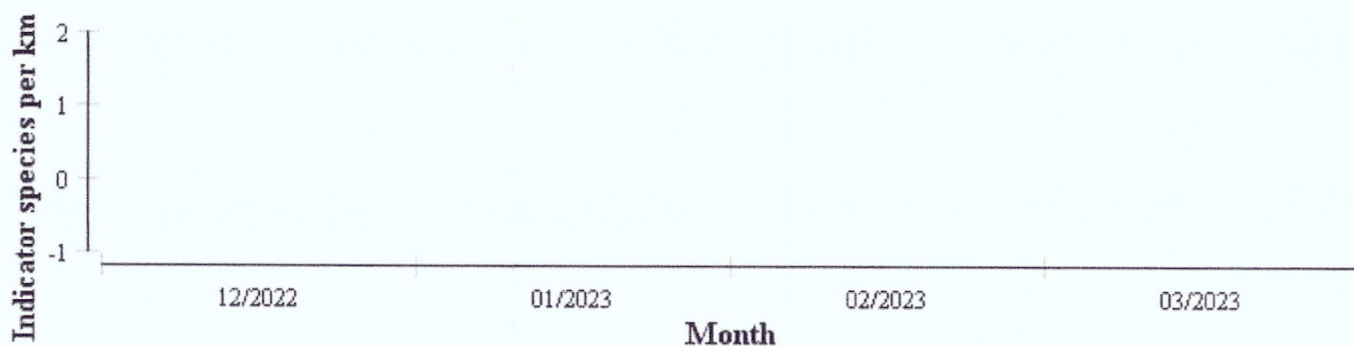
Trends of Observations per Patrol Kilometer in the Forest Conservation Area

Trend in Threats



A decreasing trend in threats in the forest conservation area mean effective forest protection; an increasing trend means the opposite.

Trend in Indicator Species



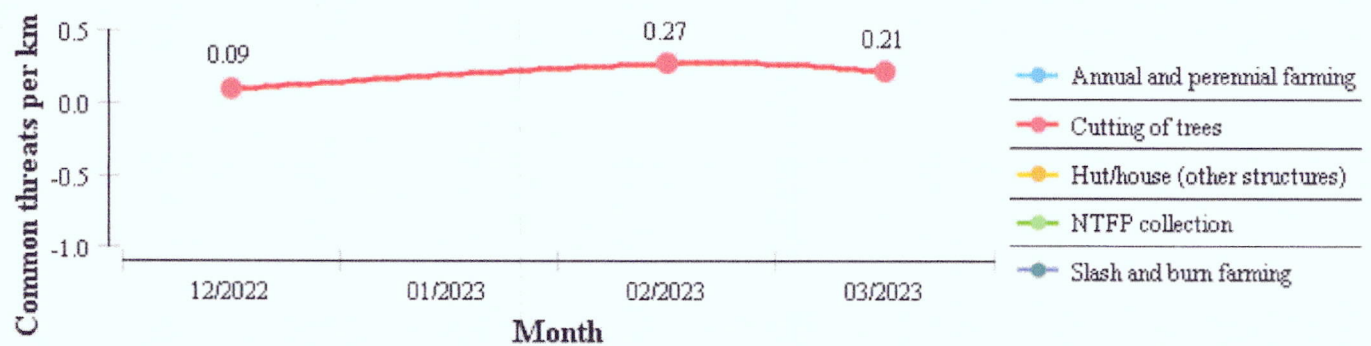
An increasing trend in indicator species in the forest conservation area means effective forest protection; a decreasing trend means the opposite.

Trends in Regeneration Density



An increasing trend in regeneration means effective forest protection; a decreasing trend means the opposite.

Trends of most common Threats



**note: For this 1st Quarter, there is no Lawin activity on the month of January by the BPRMO personnel since all of the personnel/patrollers were not yet renewed until February 2023.*

**In order to compensate the target distance of 30 km for the month of January 2023, the BPRMO personnel adjusted the target for the month of March from 30 km to 60 km.*

**the patrol on February 17, 2023 is considered void and was not counted to the total distance accomplished by the personnel as well as the threats recorded.*



Republic of the Philippines
Department of Environment and Natural Resources
Lawin Forest and Biodiversity Protection System

Region 04B - BPR

Number of days analyzed: 90

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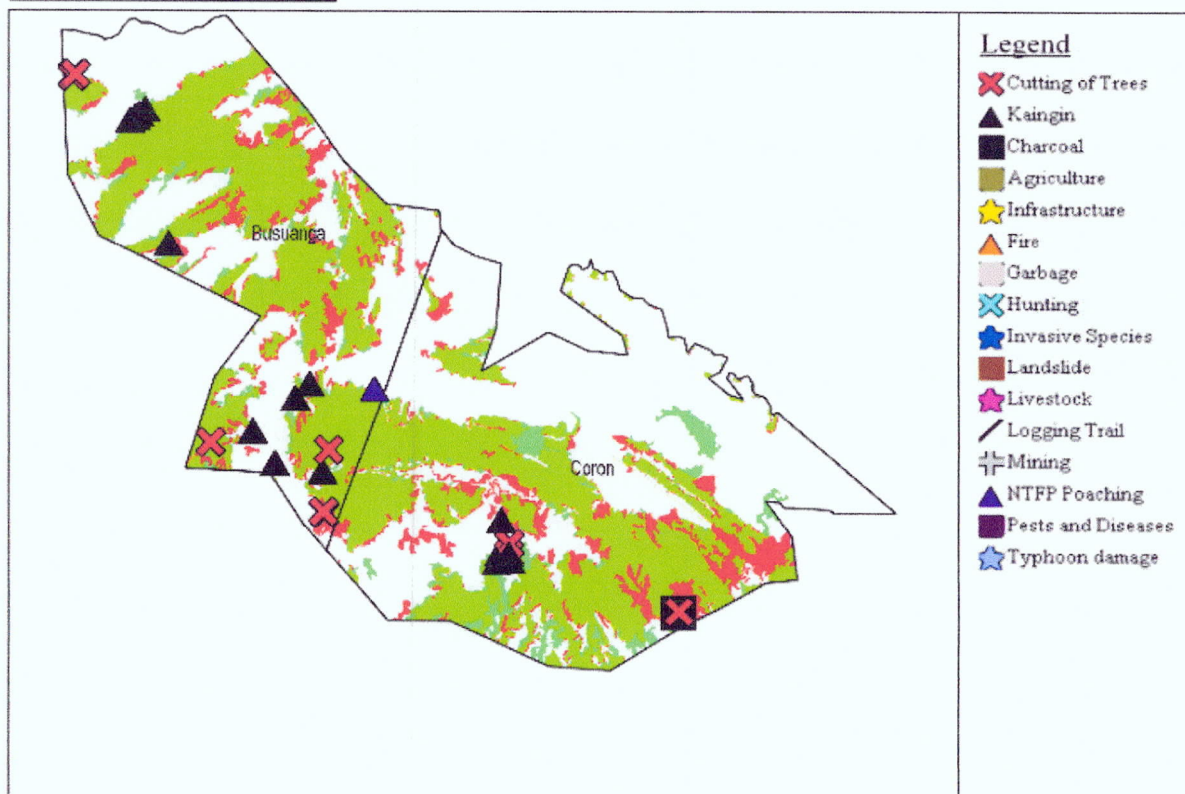
This report presents information for the implementing units of DENR to effectively plan and carry out actions for addressing observed threats to the forest.

Threats observed and level of response required

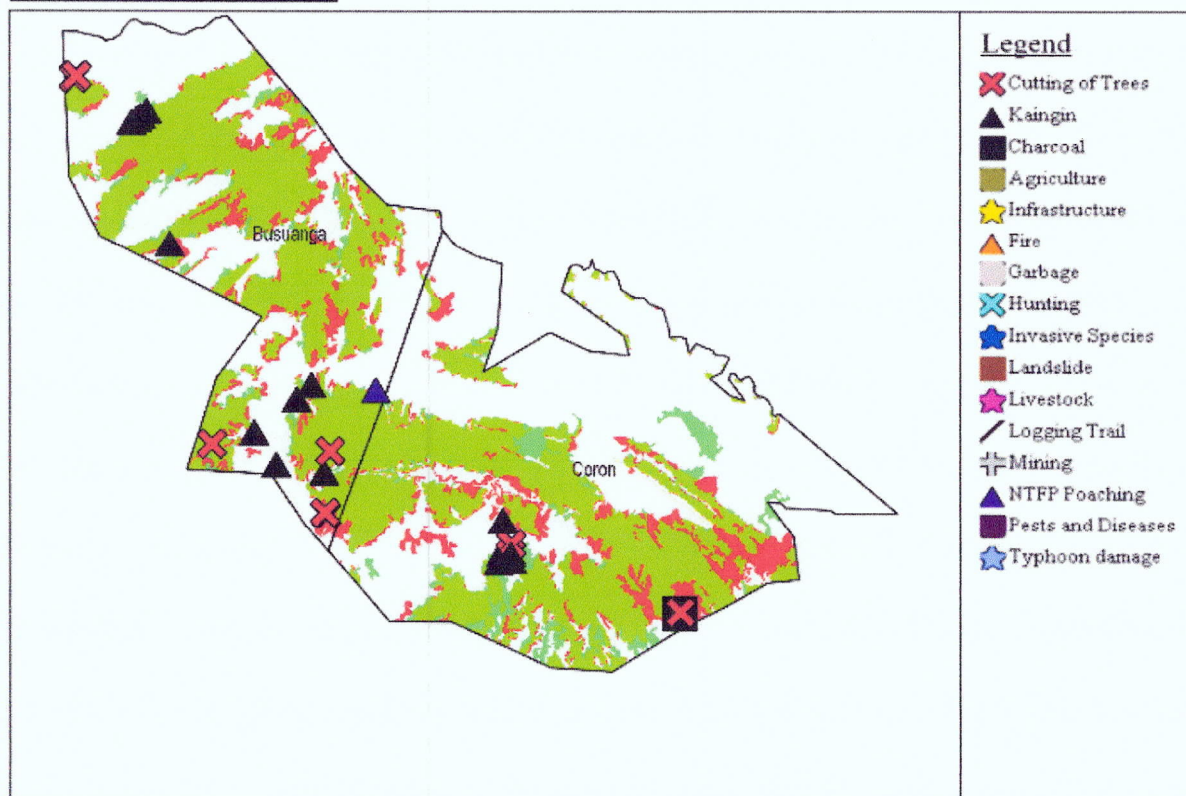
Threat	No. of Observations	Emergency - Immediate action required!	Level 1 - Action required within a week	Level 2 - Action required within a month
Slash and Burn Farming (Kaingin)	15	0	0	15
Cutting of Trees	14 (-3 void) = 11	0	0	14 (-3 void) = 11
Charcoal	1	0	0	1
Non-timber Forest Product (NTFP) Poaching	1	0	0	1

**Note: the patrol on February 17, 2023, is considered void and was not counted to the total distance accomplished by the personnel as well as the threats recorded.*

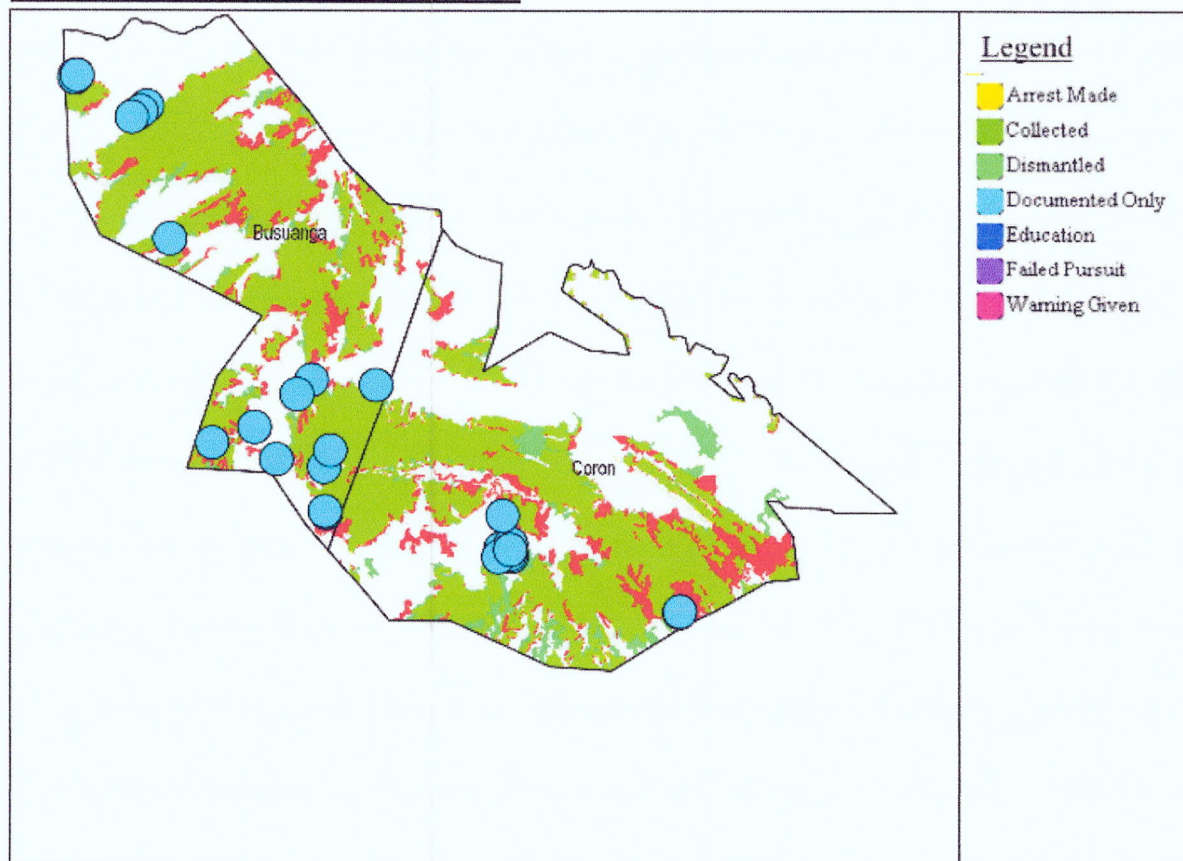
Location of observed threats



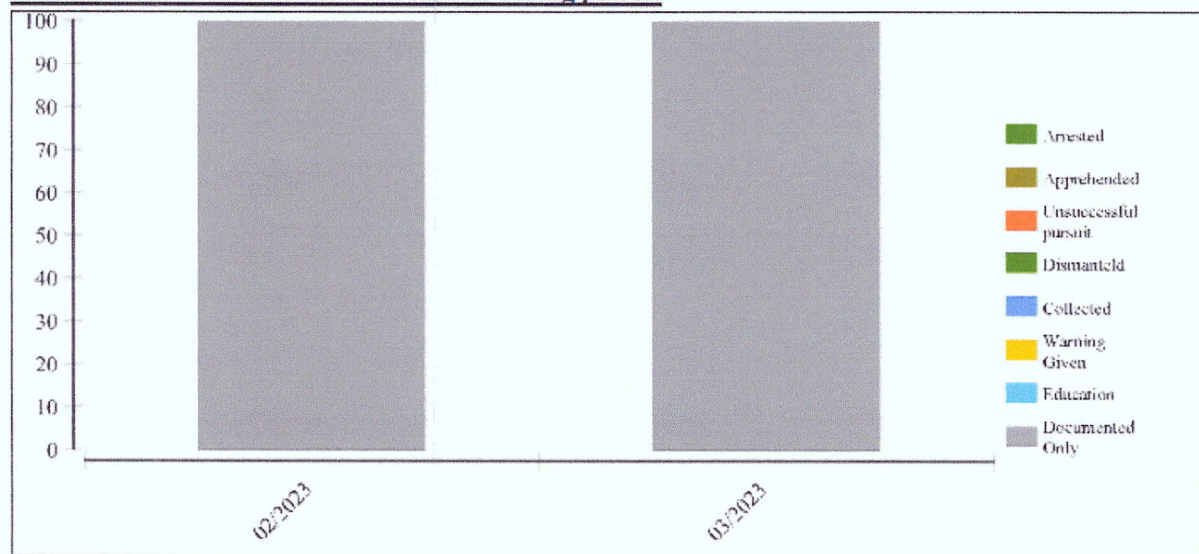
Location of observed threats



Locations of actions taken to address threats



Actions taken to address observed threats during patrols



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