



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
Coron, Palawan

SUBJECT : **REPORT ON THE IMPLEMENTATION OF LAWIN FOREST
AND BIODIVERSITY PROTECTION SYSTEM WITHIN THE
FOREST CONSERVATION AREA (FCA) OF BPR FOR THE
SEMI-ANNUAL (JANUARY TO JUNE) OF 2023**

DOCUMENTS
ATTACHED : 1. BPRMO SMART-generated report for Semi-annual of 2023

DATE : JUN 30 2023

Respectfully forwarded is the report of the BPR Management Office for the semi-annual (January to June) of 2023 Lawin Monitoring and Patrolling Accomplishments. Based on the report, the target total distance from January to June 2023 is 180 kilometers (km) as indicated in the Lawin Patrol Plan for the 1st Quarter (Jan. to March-90 km) and 2nd Quarter of 2022 (April to June-90 km). Report disclosed that the BPRMO Patrol Teams were able to traverse an aggregate distance of 198.53 km or 110.29% for the semi-annual (January to June) of 2023.

For the Regional Executive Director's information and record.




RODNEY G. VERIAN



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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 SEMI-ANNUAL (JANUARY TO JUNE) OF 2023**

DOCUMENTS

ATTACHED : 1. BPRMO SMART-generated report for Semi-annual of 2023

DATE : JUN 19 2023

Forest Management Bureau
BPR MANAGEMENT OFFICE
RELEASED

Date: 6/19/2023
By: JLD PPD/24/12
Ref. Code: LA0343

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 the Semi-annual (January to June) 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 June 2023 is 180 kilometers (km) based on the Lawin Patrol Plan for the 1st Quarter (Jan. to March-90 km) and 2nd Quarter of 2023 (April to June-90 km). For clarifications, the overall total distance synched to SMART Desktop of BPR is 48.64 km due to unforeseen device/ GPS error of cybertracker application used by the patrollers. As a result, the patrol of BPRMO personnel on February 17, 2023 is 19.20 km based on the device and considered as void and was not counted to the total distance accomplished by the personnel. In addition, there is no Lawin activity on 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 for the semi-annual of 2023, the BPRMO Patrol Teams were able to traverse an aggregate distance of 198.53 km or 110.29 % (Table 1).

Table 1. BPRMO Lawin monitoring and patrolling accomplishment for Semi-annual 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
1 st Quarter	90	96.19	(6.19)	106.87
April	30	32.78	(2.78)	109.29
May	30	36.77	(6.77)	122.56%
June	30	32.79	(2.79)	109.3
2 nd Quarter	90	102.34	(12.34)	113.71
Semi-annual	180	198.53	(18.53)	110.29

**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 2,399 Forest Condition Counts (FCCs) recorded during the patrolling. Open Uncultivated (OUC) appears to have the highest figure recorded for the Semi-annual of 2023 with 1008 or 42%, while Old Growth Forest (OGF) have the least with 34 counts or 1%. The remaining forest condition such as: Early Secondary Forest (ESF), Open-Cultivated (OC), and Advance Secondary Forest (ASF) with corresponding total figures of 687 (29%), 465 (19%), and 205 (9%), respectively. Based on the SMART analysis, the total FC with good condition has a total count of 926 or 39% which includes OGF, ASF and ESF. The OUC count appears to be significant, but this is due to teams traversing large grassland areas which are 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	%
34	1	205	9	687	29	1008	42	465	19	2,399	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, 1204 FCCs or 50% of the total FCC were recorded while 1195 FCCs or 50% with absence of natural regenerants. There were 12 or 0% recorded dense natural regenerants, while three hundred eighty-four (384) FCCs or 16% and eight hundred eight (808) or 34% 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	%
12	0	384	16	808	34	1204	50	1195	50	2,399	100

Table 4 shows the observed and recorded threats within the FCA of BPR. A total of ninety-three (93) counts of threats were observed and recorded during the Lawin monitoring and patrolling for the Semi-annual of 2023 of the BPR Management Office. This was accounted for thirty-six (36) cutting of trees; twenty-two (22) for huts or houses and other infrastructures; thirty-two (32) for slash and burn farming (kaingin); one (1) typhoon related threats; one (1) charcoal; and one (1) Non-timber forest products poaching.

Table 4. Patrol Observation: Threat Count

Threats	No. of observation
Cutting of trees	36
Huts or Houses and other Infrastructures	22
Slash and burn farming or kaingin	32
Charcoal	1
Non-timber forest products poaching	1
Typhoon-related threats	1
Total	93

As can be viewed from the map in Annex C, the threats observed/documentated in the FCA during the Semi-annual of 2023 are found in Barangays of Bintuan, Guadalupe, Decalachao, San Nicolas, Coron, Palawan; Barangays of Buluang, Old Busuanga, Bogtong, Sagrada, New Busuanga, San Rafael, Busuanga, Palawan. The current threat index for the Semi-annual of 2023 comprises the threats per kilometer of the 1st Quarter and the 2nd Quarter of 2023. For the 2nd Quarter was computed as 0.49 (April), 0.95 (May), 0.43 (June) threats per kilometer (T/Km) was higher than the previous quarter which was computed as 0.33 (February) and 0.22 (March) threats per kilometer (T/Km) threat index respectively. 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 the 1st Quarter of 2023 Report.

II. Future Actions

As initial action of the BPRMO on the threats observed/ recorded during the conduct of Lawin activity, for the 1st Quarter of 2023 has already sent communication letters on the concerned barangays for their information regarding the illegal activities in their area within the BPR. While on the 2nd Quarter of 2023 has already sent communication letters on the months of April and May 2023 on the concerned barangays. Moreover, for the month of June 2023, will be sending communication letters during the Lawin activity of the BPRMO in the area of jurisdiction of the

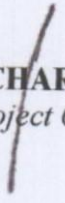
concerned barangay with the observed illegal activities. However, there are still threats recorded in some barangays that will still be subjected to further investigations of the BPR Management Office to gather additional information on the personalities involved on the said illegal activities.

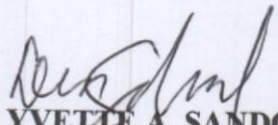
III. Remarks and Recommendations

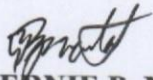
1. Frequency of the visibility of patrolling and Lawin monitoring within the Forest Conservation Area of BPR is being intensified to include weekends, if necessary, in order to prevent and immediately address any possible threats within the forested areas of BPR;
2. As stipulated in the future actions, 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:


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Republic of the Philippines

Department of Environment and Natural Resources

Lawin Forest and Biodiversity Protection System

Summary Patrol Report

Region 04B - BPR

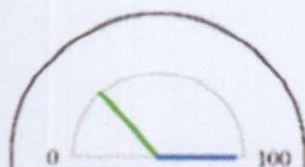
Number of days analyzed: 181

Jun 17, 2023 11:46 AM

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*

Level of Accomplishment



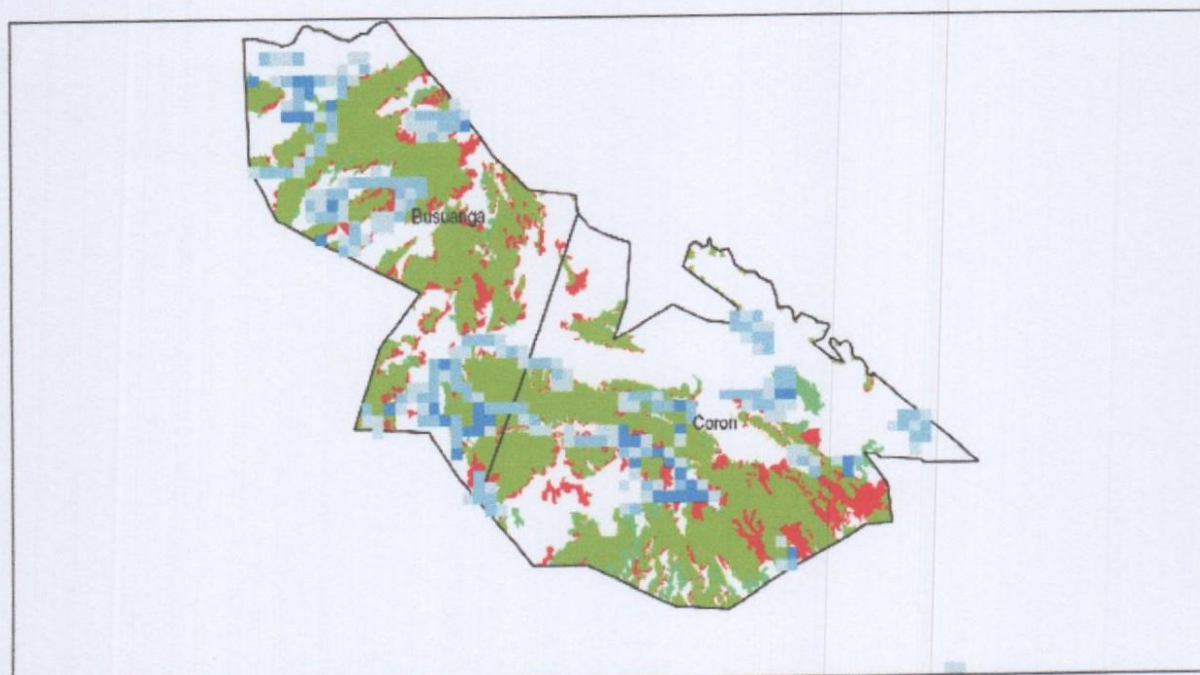
● Accomplishment
● Target

Accomplishment* for the period	Target* distance for the period
198.53	180

Accomplishment Rate:
190.29

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

Patrol coverage and intensity



Patrol distance covered by each forest ranger

Forest Ranger	Patrol Distance Accomplished
Gricilito Lagao	150.81
Rommel Gacayan	145.31
Leonardo Puno	144.75
Michael Acbang	138.31
Richard Galagate	104.61
Emerson Montanez, Jr.	102.28
Archie Agnes	96.21
Desiree Yvette Sandoval	89.97
Dindo Sarmiento	89.30
Bernie Mantal	78.61
Joy Kristel Degorio	68.77



Forest Protection Effectiveness Report

Region 04B - BPR

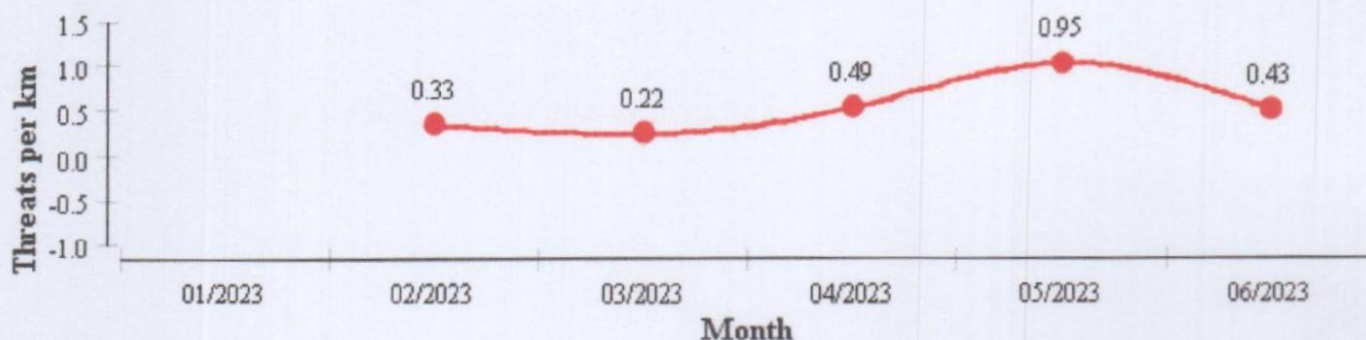
Number of days analyzed: 181

Jun 17, 2023 4:08 PM

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.

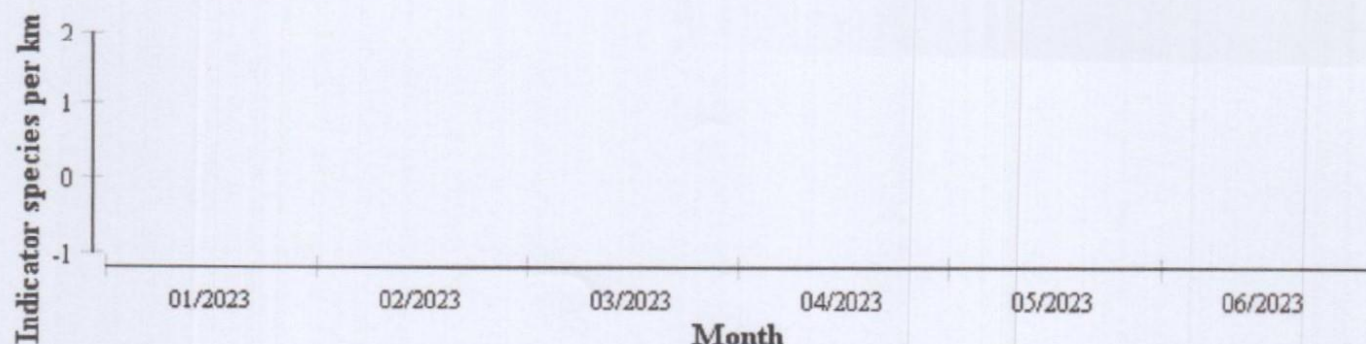
Trends of Observations per Patrol Kilometer in the Forest Conservation Area

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



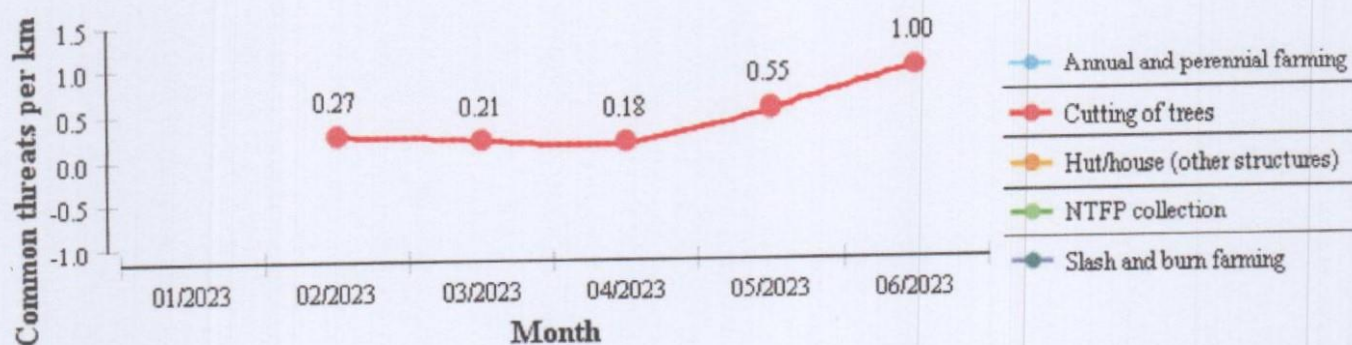
An increasing trend in indicator species in the forest conservation area means effective forest protection; a decreasing trend means the opposite.

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 the 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.*

**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
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Summary Threat Report

Region 04B - BPR

Number of days analyzed: 180

Jun 17, 2023 11:46 AM

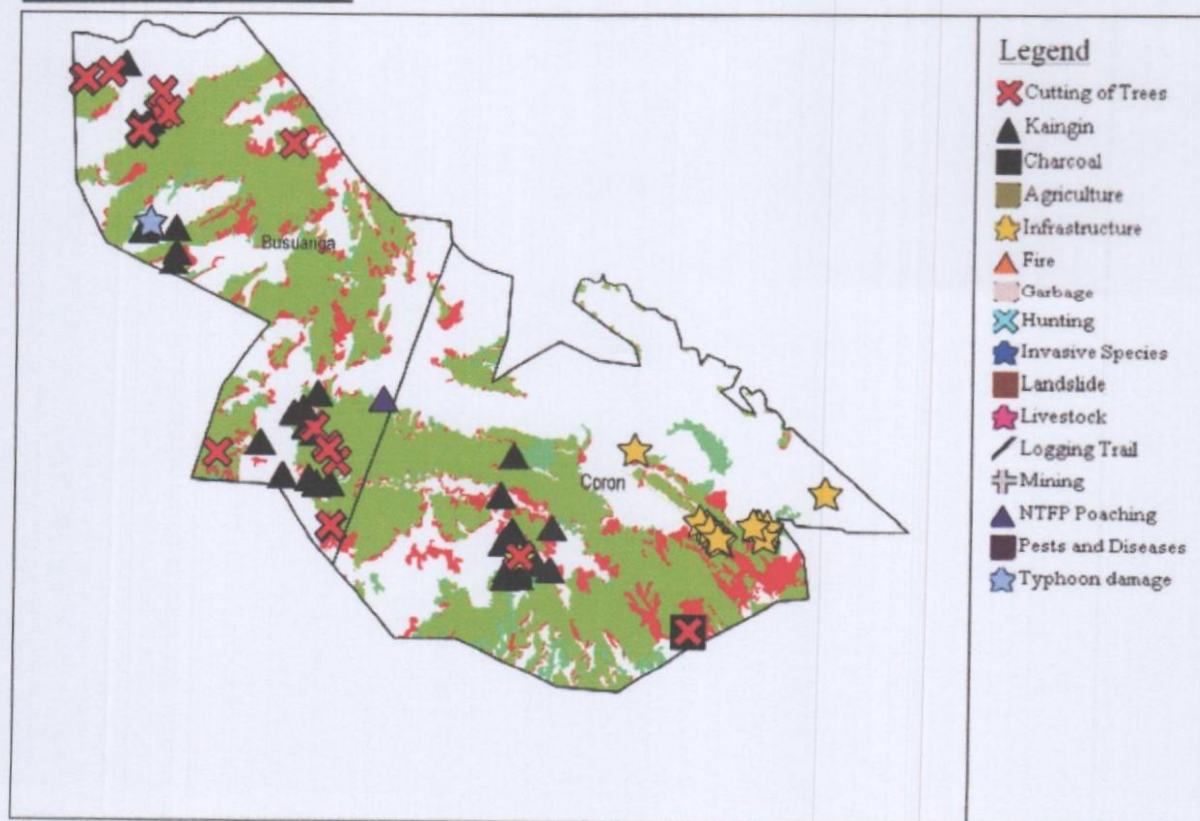
This report presents information for the implementing units of DENR to effectively plan and carry out actions for addressing observed threats to the forest.

Threats observed and level of response required

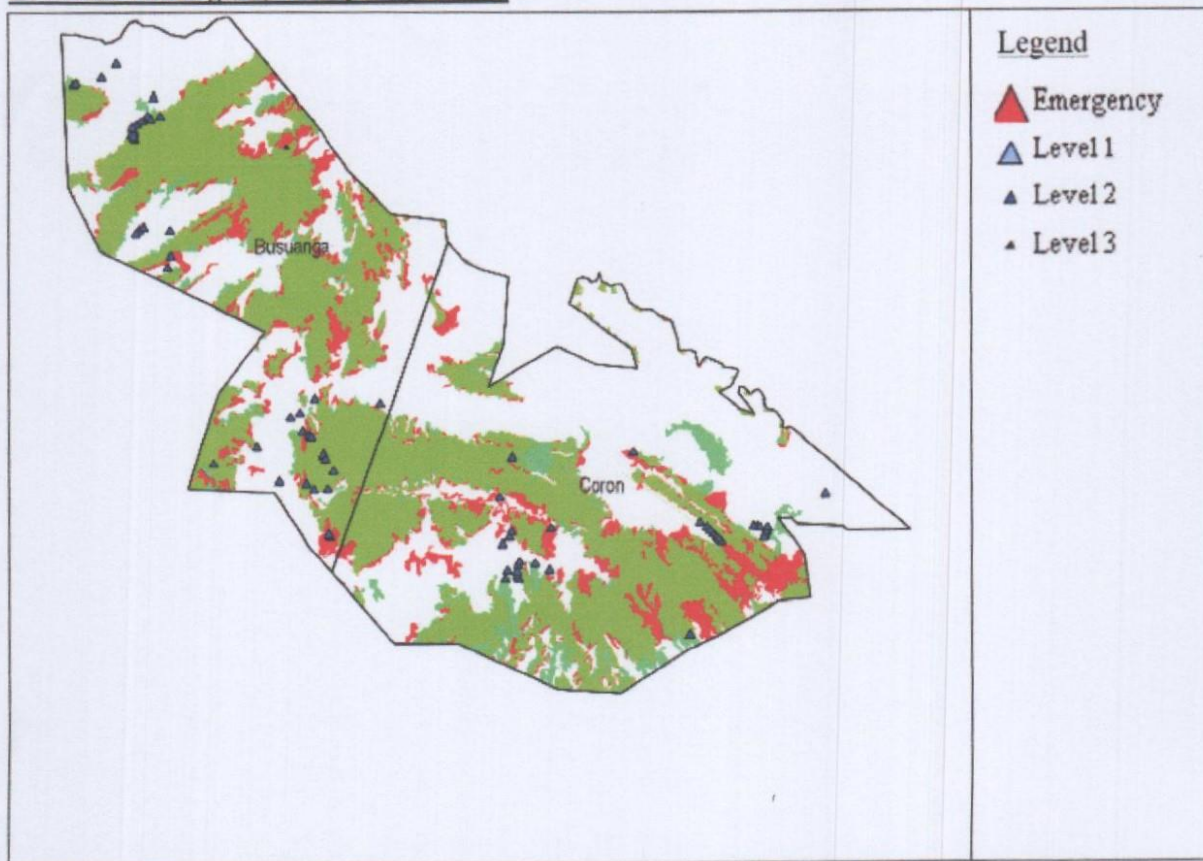
Threat	No. of Observations	Emergency - Immediate action required!	Level 1 - Action required within a week	Level 2 - Action required within a month
Cutting of Trees	39 (-3 void) = 36	0	0	39 (-3 void) = 36
Slash and Burn Farming (Kaingin)	32	0	0	32
Hut or House and Other Infrastructure	22	0	0	22
Charcoal	1	0	0	1
Non-timber Forest Product (NTFP) Poaching	1	0	0	1
Typhoon-related Threats	1	0	0	1

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

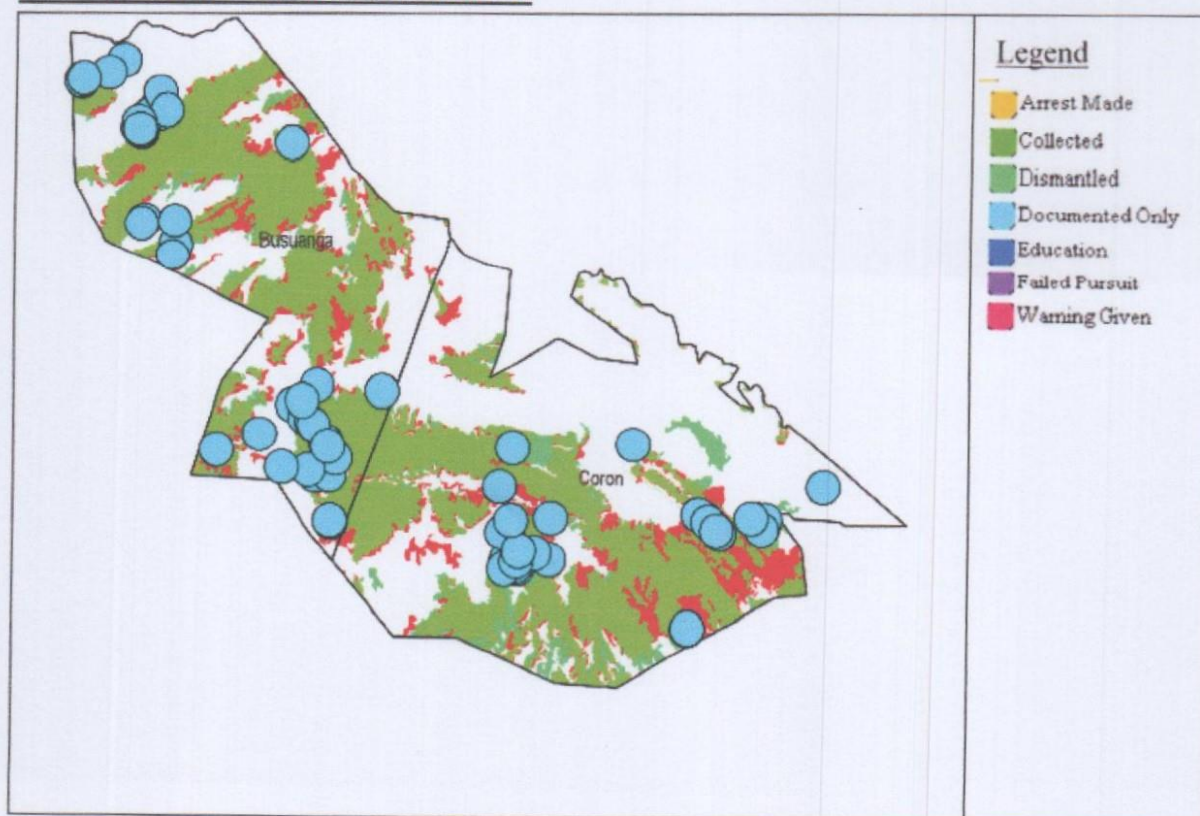
Location of observed threats



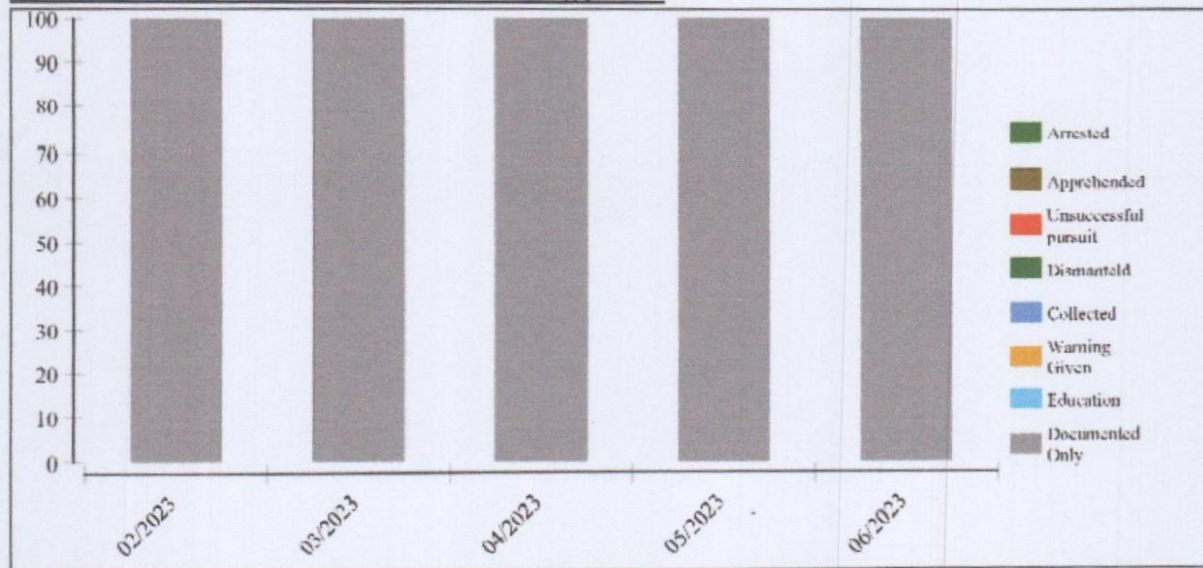
Locations and urgency of responses needed



Locations of actions taken to address threats



Actions taken to address observed threats during patrols





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

Summary Response Report

Region 04B - BPR

Number of days analyzed: 181

Jun 17, 2023 11:46 AM

This report presents the response performance and quality of the implementing unit during the above stated period of time (number of days). The report contains information on threats requiring responses, status of threats and types of responses per threat. The information is meant to provide a basis for response tracking and planning for the next planning period and implementation of adaptive measures to enhance responses to threats as necessary.

Number of threats observed:

93

Distribution of level of response required to address observed threats:

Immediate action required	Requires action within a week	Requires action within a month	No further action required
		95 (-3) = 92	1

Note: Your patrollers recorded 1 threats with the action taken Documented Only during patrol and No Further Action Required after patrol. These threats won't be addressed and should be re-assessed and properly recorded during upcoming patrols

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

Number of threats requiring post-patrol responses:

Status of threats

No action yet	Requires further action	Addressed	Invalid observation

Responses per threat

[illegible]