



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

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 OIC, CENR Officer
CENRO Calamianes Islands
Coron, Palawan

SUBJECT : **REPORT ON THE IMPLEMENTATION OF LAWIN FOREST
AND BIODIVERSITY PROTECTION SYSTEM OF BPRMO
WITHIN THE FOREST CONSERVATION AREA (FCA) OF BPR
FOR THE 4TH QUARTER OF 2022**

DOCUMENTS
ATTACHED : BPRMO Report on LAWIN Accomplishment for 4TH Quarter of 2022

DATE : DEC 05 2022

Respectfully forwarded is the report of the BPR Management Office for 4th Quarter of 2022 on the implementation of LAWIN Forest and Biodiversity Protection System Accomplishments. Based on the report, the BPRMO patrolled a total of 98.89 km or 109.87 % of their target as per BRPMO's 4th Quarter Lawin Patrol Plan of 2022.

For the Regional Executive Director's information and record.

For and in the absence of the OIC, CENRO



FERDINAND GATCHALIAN
Forester III
In-charge, Office of the CENRO



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 OF BPRMO WITHIN THE FOREST CONSERVATION AREA (FCA) OF BPR FOR THE 4TH QUARTER OF 2022**

Forest Management Bureau
BPR MANAGEMENT OFFICE
RELEASED

Date: 12-05-2022

By: [Signature] PP 15 / 166 / 5

Ref. Code: LA0095

DOCUMENTS

ATTACHED : 1. BPRMO SMART-generated report

DATE : DEC 05 2022

With the implementation of the LAWIN Forest and Biodiversity Protection System, respectfully submitted is the detailed report of the Busuanga Pasture Reserve Management Office (BPRMO) on the results of the Lawin monitoring and patrolling activities conducted in the Municipalities of Busuanga and Coron, Palawan within the BPR area for the 4th Quarter of 2022.

V. 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 October to December 2022 is 90 kilometers (km) based on the Lawin Patrol Plan for 4th Quarter of 2022. Based on the results, the BPRMO Patrol Teams were able to traverse an aggregate distance of 98.89 km or 109.87 % (Table 1).

Table 1. BPRMO LAWIN monitoring and patrolling accomplishment for 4th Quarter of 2022

4 th Quarter	Target (Km)	Accomplishment (Km)	Difference (Km)	Accomplishment (%)
Oct-Dec	90	98.89	(8.89)	109.87

**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 1,324 Forest Condition Counts (FCCs) recorded during the patrolling. Open-Uncultivated (OUC) appears to have the highest figure recorded for the 4th Quarter of 2022 with 503 counts or 38%, while Old Growth Forest has the least with 24 counts or 2%. The remaining forest conditions such as: Early Secondary Forest (ESF), Open-Cultivated (OC), and Advance Secondary Forest (ASF) with corresponding total figures of 488 (37%), 161 (12%), and 148 (12%), respectively. Based on the SMART analysis, the total FC

with the good condition has a total count of 660 or 50% 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	%
24	2	148	11	488	37	503	38	161	12	1324	100

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

With respect to the presence of natural regenerants, 724 FCCs or 54.68% of the total FCC were recorded with presence of natural regenerants while 600 FCCs or 45% with absence of natural regenerants. There were fourteen (14) or 1% recorded dense natural regenerants, while three hundred twenty-four (324) FCCs or 24% and three hundred eighty-six (386) or 29% 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	%
14	1	324	24	386	29	724	55	600	45	1324	100

Table 4 shows the observed and recorded threats within the FCA of BPR. A total of twenty-three (23) counts of threats were observed and recorded during the implementation of Lawin Forest and Biodiversity Protection System for the 4th Quarter of 2022. Cutting of trees recorded the highest counts with sixteen (16) recorded occurrence or observations, huts or houses and other infrastructures with five (5) recorded counts and slash and burn farming (kaingin) with two (2) recorded counts.

Table 4. Patrol Observation: Threat Count

Threats	No. of observation
Cutting of Trees	16
Huts or houses and other infrastructures	5
Slash and Burn Farming (Kaingin)	2
Total	23

As can be viewed from the map in Annex C, the threats observed/documented in the FCA during the 4th Quarter (October, November and December) 2022 were found in Barangays of Decalachao, Bintuan, and Guadalupe, Coron, and Brgy. Quezon, New Busuanga, San Rafael and Cheey, Busuanga, Palawan. The current threat index was computed as 0.34 threats per kilometer (T/Km) on October 2022, slightly decreased to 0.24 on November 2022 and continuously decreased to 0.12 this December 2022.

VI. Actions Taken by the BPRMO for the observed threats

Pertaining to the twenty-three (23) observed/recorded threats for the 4th Quarter of 2022, the BPRMO conducted the following actions for the month of October, November and December respectively (Pleased see the table 5 and 6)

Table 5. Actions taken in 4th Quarter (October, November and December) 2022

Date of the conduct of Lawin activity	Threats	Actions taken
OCTOBER 2022		
October 7, 2022	<ul style="list-style-type: none"> (1) cutting of tree 	<ul style="list-style-type: none"> Sent communication letters dated October 13, 2022, addressed to the Brgy. Quezon for information regarding the conducted LAWIN patrolling and monitoring within their area of jurisdiction.
October 7, 2022	<ul style="list-style-type: none"> (1) cutting of tree 	<ul style="list-style-type: none"> Sent communication letters dated October 10, 2022, addressed to the Brgy. Decalachao for information regarding the conducted LAWIN patrolling and monitoring within their area of jurisdiction.
October 12, 2022	<ul style="list-style-type: none"> six (6) cutting of tree cutting one (1) for huts or houses and other infrastructures two (2) for slash and burn farming 	<ul style="list-style-type: none"> Sent communication letters dated October 13, 2022, addressed to the Barangays of Bintuan and Guadalupe for information regarding the conducted LAWIN patrolling and monitoring within their area of jurisdiction.
NOVEMBER 2022		
November 09, 2022	<ul style="list-style-type: none"> (2) cutting of trees 	<ul style="list-style-type: none"> Sent communication letter dated November 21, 2022, addressed to the Brgy. Decalachao, Coron for information regarding the conducted LAWIN patrolling and monitoring within their area of jurisdiction.
November 11, 2022	<ul style="list-style-type: none"> (3) cutting of trees 	<ul style="list-style-type: none"> Sent communication letters dated November 21, 2022, addressed to Barangays of San Rafael and New Busuanga, Busuanga, for information regarding the conducted LAWIN patrolling and monitoring within their area of jurisdiction; Conducted IEC on November 29, 2022 at Barangays of Sagrada (9:00 AM), Bogtong (11:00 AM) and Salvacion (2:00 PM), Busuanga regarding the

		results of LAWIN from January to November 2022 in the Municipality of Busuanga, Palawan within the BPR
November 16, 2022	<ul style="list-style-type: none"> • (2) huts or houses and other infrastructures 	<ul style="list-style-type: none"> • Conducted investigation during the conduct of LAWIN on November 16, 2022 on the claimant of the area; • Memorandum dated November 21, 2022, pertaining to the spot report regarding the recorded unlawful occupation during the conduct of LAWIN activity in Brgy. Bintuan, Coron, Palawan within the BPR; • Sent communication letters dated November 22, 2022, addressed to Mr. Eliterio Buruanga (claimant) and Brgy. Bintuan for information regarding the the unlawful occupation recorded by the BPRMO personnel during the conduct of LAWIN activity inside the FCA of BPR; • Sent communication letter dated November 21, 2022, addressed to Brgy. Bintuan, Coron for information regarding the conducted LAWIN patrolling and monitoring within their area of jurisdiction;
November 18, 2022	<ul style="list-style-type: none"> • (1) cutting of tree 	<ul style="list-style-type: none"> • Sent communication letter dated November 21, 2022, addressed to Brgy. Cheey, Busuanga for information regarding the conducted LAWIN patrolling and monitoring within their area of jurisdiction; • Conducted IEC on November 29, 2022 at Barangays of Sagrada (9:00 AM), Bogtong (11:00 AM) and Salvacion (2:00 PM), Busuanga regarding the results of LAWIN from January to November 2022 in the Municipality of Busuanga, Palawan within the BPR
DECEMBER 2022		
December 01, 2022	<ul style="list-style-type: none"> • (2) huts or houses and other infrastructures • (1) cutting of tree 	<ul style="list-style-type: none"> • Drafted communication letter dated December 02, 2022, addressed to the Brgy. Bintuan, Coron for information regarding the conducted LAWIN patrolling and monitoring within their area of jurisdiction.

December 02, 2022	<ul style="list-style-type: none"> • (1) cutting of tree 	<ul style="list-style-type: none"> • Drafted communication letter dated December 05, 2022, addressed to the Brgy. Decalachao, Coron for information regarding the conducted LAWIN patrolling and monitoring within their area of jurisdiction.
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Table 6. Follow through action for observed threats for the previews quarters

Actions taken	Threats	Date of the conduct of Lawin activity
<ul style="list-style-type: none"> • Attended the conduct of Administrative Adjudication on October 13, 2022, together with the CENRO Coron personnel regarding the apprehended one (1) unit of chainsaw in So. Lilibuton, Brgy. San Rafael, Busuanga, Palawan within the BPR; • Memorandum dated October 24, 2022 regarding the above-mentioned subject for first hearing; • Sent communication letters dated October 24, 2022 for the conduct of Administrative Adjudication for the Second Hearing 	<ul style="list-style-type: none"> • slash and burn farming / kaingin • apprehension of one (1) unit of chainsaw 	<ul style="list-style-type: none"> • April 12, 2022
<ul style="list-style-type: none"> • Conducted IEC on November 10, 2022 at Brgy. San Jose, Coron, Palawan regarding the results of LAWIN from January to October 2022 in the Municipality of Coron, Palawan within the BPR; • Memorandum report dated November 15, 2022 for the FMB Director thru the OIC, FIDD and for the OIC, CENRO Coron regarding the conducted IEC at Brgy. San Jose, Coron 	<ul style="list-style-type: none"> • (2) slash and burn farming/kaingin 	January 25, 2022
	<ul style="list-style-type: none"> • (1) cutting of tree • (1) huts or houses and other infrastructures 	March 17, 2022
	<ul style="list-style-type: none"> • (1) slash and burn farming (kaingin) • (1) cutting of tree • (1) huts or house and other infrastructures 	March 23, 2022
	<ul style="list-style-type: none"> • (2) cutting of trees 	June 17, 2022
	<ul style="list-style-type: none"> • (8) cutting of trees 	July 5, 2022
	<ul style="list-style-type: none"> • (2) slash and burn farming/kaingin • (2) huts or house and other infrastructures 	July 19, 2022

	<ul style="list-style-type: none"> • (2) huts or house and other infrastructures 	August 25, 2022
	<ul style="list-style-type: none"> • (1) cutting of tree 	September 21, 2022
	<ul style="list-style-type: none"> • (1) cutting of tree 	October 07, 2022
	<ul style="list-style-type: none"> • (6) cutting of trees • (1) huts or house and other infrastructure • (2) slash and burn farming/kaingin 	October 12, 2022
<ul style="list-style-type: none"> • Conducted IEC on November 10, 2022 regarding the results of LAWIN from January to October 2022 conducted in Brgy. Decalachao, Coron, Palawan within the BPR; • Memorandum report dated November 15, 2022, for the FMB Director thru the OIC, FIDD and for the OIC, CENRO Coron regarding the conducted IEC at Brgy. Decalachao, Coron 	<ul style="list-style-type: none"> • (1) slash and burn farming (kaingin) • (1) cutting of tree • (1) huts or house and other infrastructures 	March 23, 2022
	<ul style="list-style-type: none"> • (1) cutting of tree 	September 21, 2022
	<ul style="list-style-type: none"> • (1) cutting of tree 	October 07, 2022
<ul style="list-style-type: none"> • Conducted IEC on November 10, 2022 at Brgy. Sto. Niño, Busuanga regarding the results of LAWIN from January to October 2022 in the Municipality of Busuanga, Palawan within the BPR; • Memorandum report dated November 16, 2022 for the FMB Director thru the OIC, FIDD and for the OIC, CENRO Coron regarding the conducted IEC at Brgy. Sto. Niño, Busuanga; and • Conducted IEC on November 29, 2022 at Barangays of Sagrada (9:00 AM), Bogtong (11:00 AM) and Salvacion (2:00 PM), Busuanga regarding the results of LAWIN from January to November 2022 in the Municipality of Busuanga, Palawan within the BPR; 	<ul style="list-style-type: none"> • (1) slash and burn farming (kaingin) 	January 27, 2022
	<ul style="list-style-type: none"> • (1) slash and burn farming (kaingin) 	April 12, 2022
	<ul style="list-style-type: none"> • (6) slash and burn farming (kaingin) 	June 10, 2022
	<ul style="list-style-type: none"> • (1) cutting of tree 	July 8, 2022
	<ul style="list-style-type: none"> • (3) cutting of trees • (1) huts or houses and other infrastructure • (1) slash and burn farming (kaingin) 	September 13, 2022
	<ul style="list-style-type: none"> • (1) cutting of tree 	October 07, 2022


I. 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. To send communication letter address to the Barangay for the conduct of follow-through action of the BPRMO personnel 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 of 1975 as amended and other environmental laws, if so warrant;
4. Conduct of seminar/IEC to every barangay recorded with a high incidence of unlawful activities within the area covered by the BPR to provide awareness and educate the community on the importance of maintaining ecological and environmental balance in the locality and the benefits that could be derived from the forest and climate change mitigation; and
5. Conduct of rehabilitation activities such as tree planting, enrichment planting and assisted natural regeneration to maintain and accelerate the recovery of forest cover.

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



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

Summary Patrol Report

Region 04B - BPR

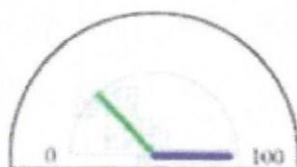
Number of days analyzed: 92

Dec 3, 2022 5:08 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:

Level of Accomplishment



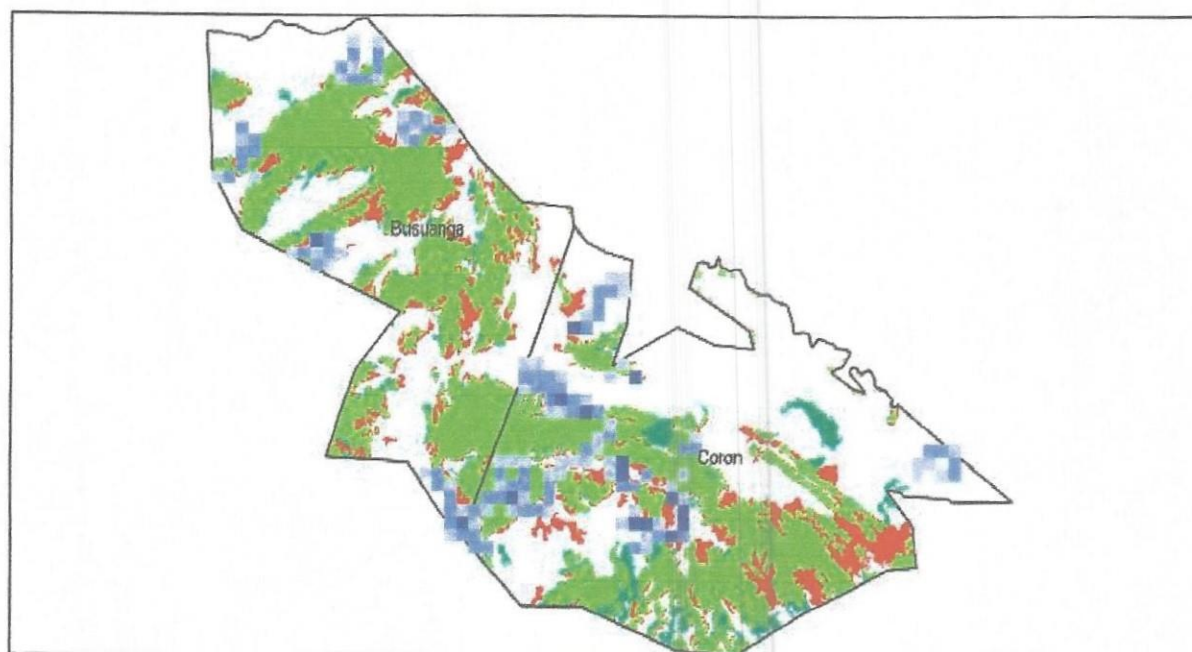
● Accomplishment
 ● Target

Accomplishment* for the period	Target* distance for the period
98.89	90

Accomplishment Rate:
 99.87

*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
Desiree Yvette Sandoval	62.62
Dindo Sarmiento	62.62
Rommel Gacayan	62.62
Emerson Montanez, Jr.	60.06
Joy Kristel Degorio	58.59
Michael Acbang	58.59
Leonardo Puno	53.64
Jojie Montanez	46.74
Archie Agnes	40.32
Gricilito Lagao	40.32
Richard Galagate	24.33



Forest Protection Effectiveness Report

Region 04B - BPR

Number of days analyzed: 365

Dec 3, 2022 5:06 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.

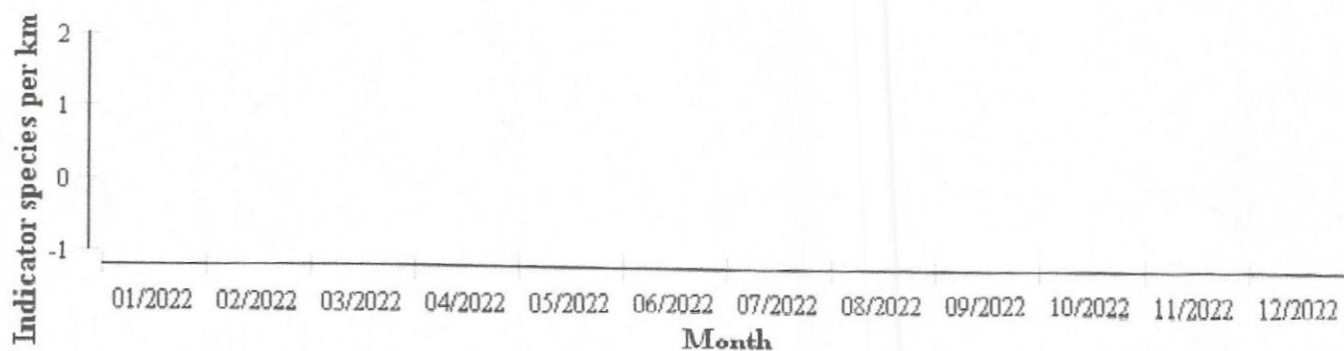
Trends of Observations per Patrol Kilometer in the Forest Conservation Area

Trend in Threats



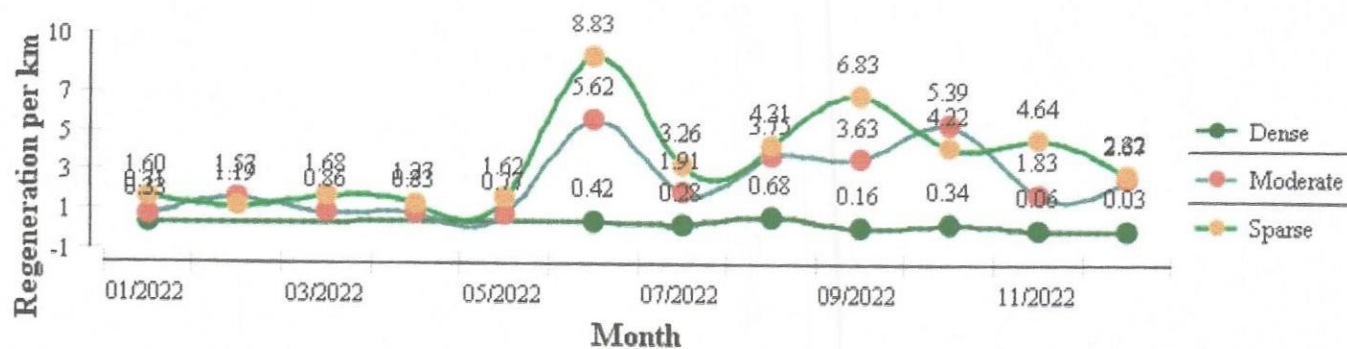
A decreasing trend in threats in the forest conservation area mean effective forest protection; an increasing trend means the opposite.

Trend in Indicator Species



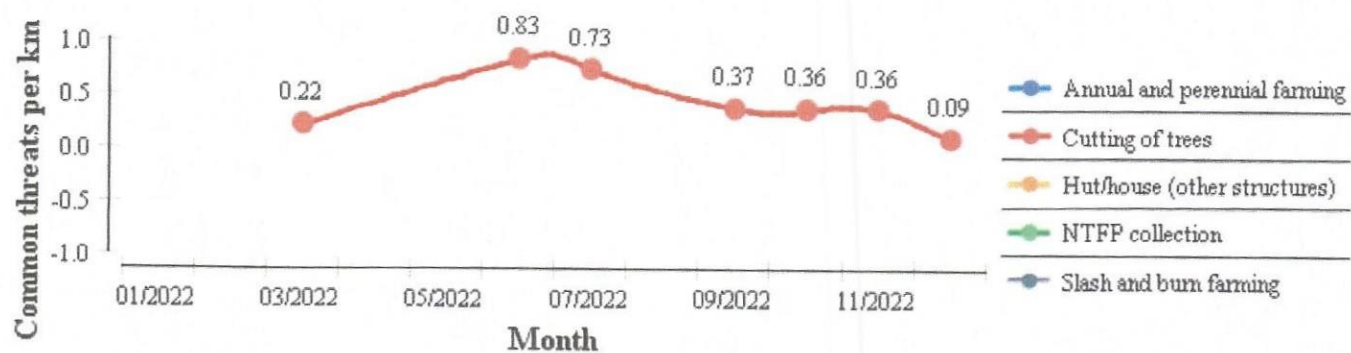
An increasing trend in indicator species in the forest conservation area means effective forest protection; a decreasing trend means the opposite.

Trends in Regeneration Density



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

Trends of most common Threats





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

Summary Threat Report

Region 04B - BPR

Number of days analyzed: 92

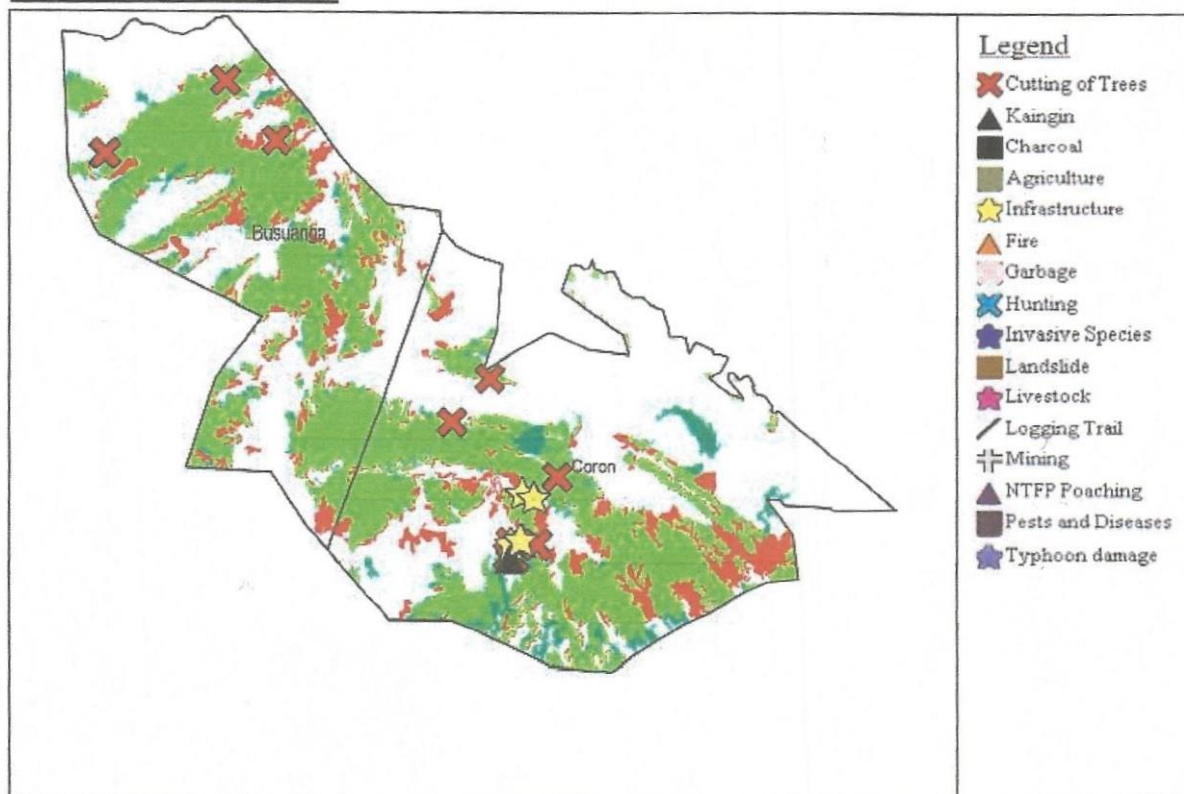
Dec 3, 2022 5:32 PM

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

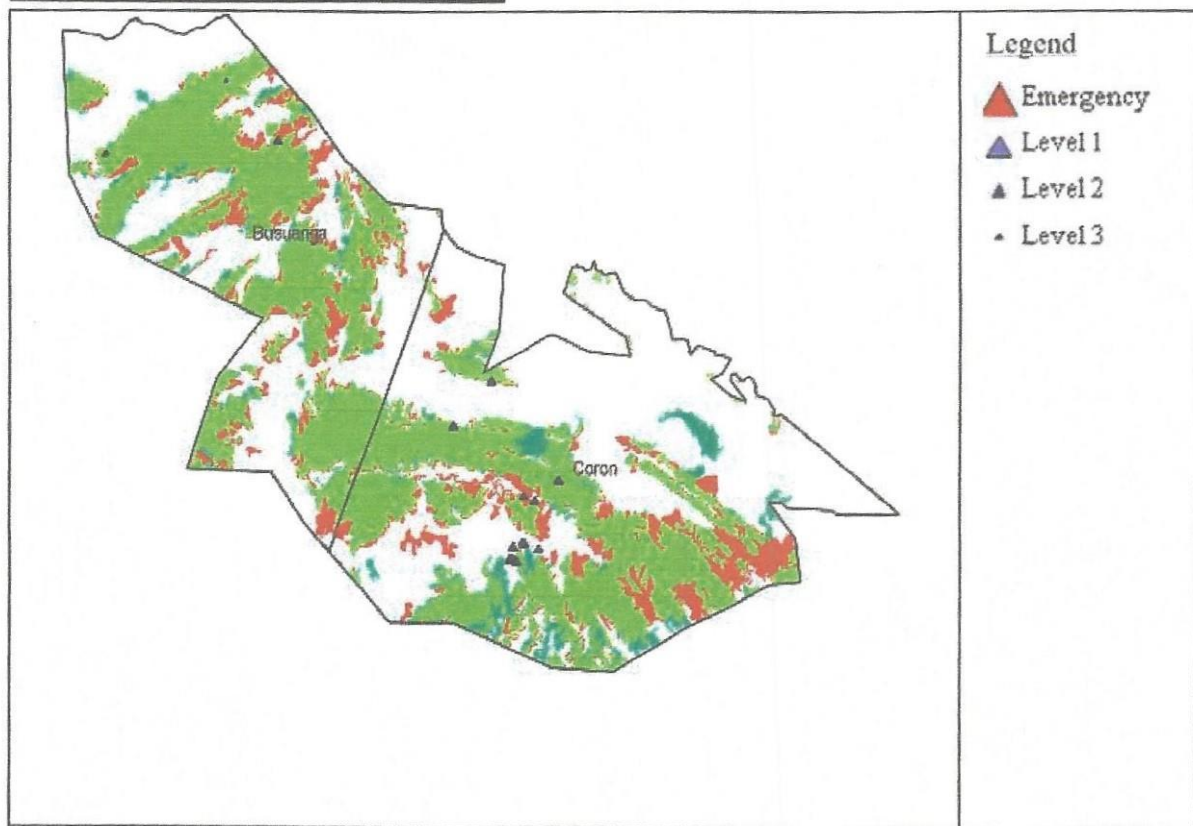
Threats observed and level of response required

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	16	0	0	12
Hut or House and Other Infrastructure	5	0	0	5
Slash and Burn Farming (Kaingin)	2	0	0	2

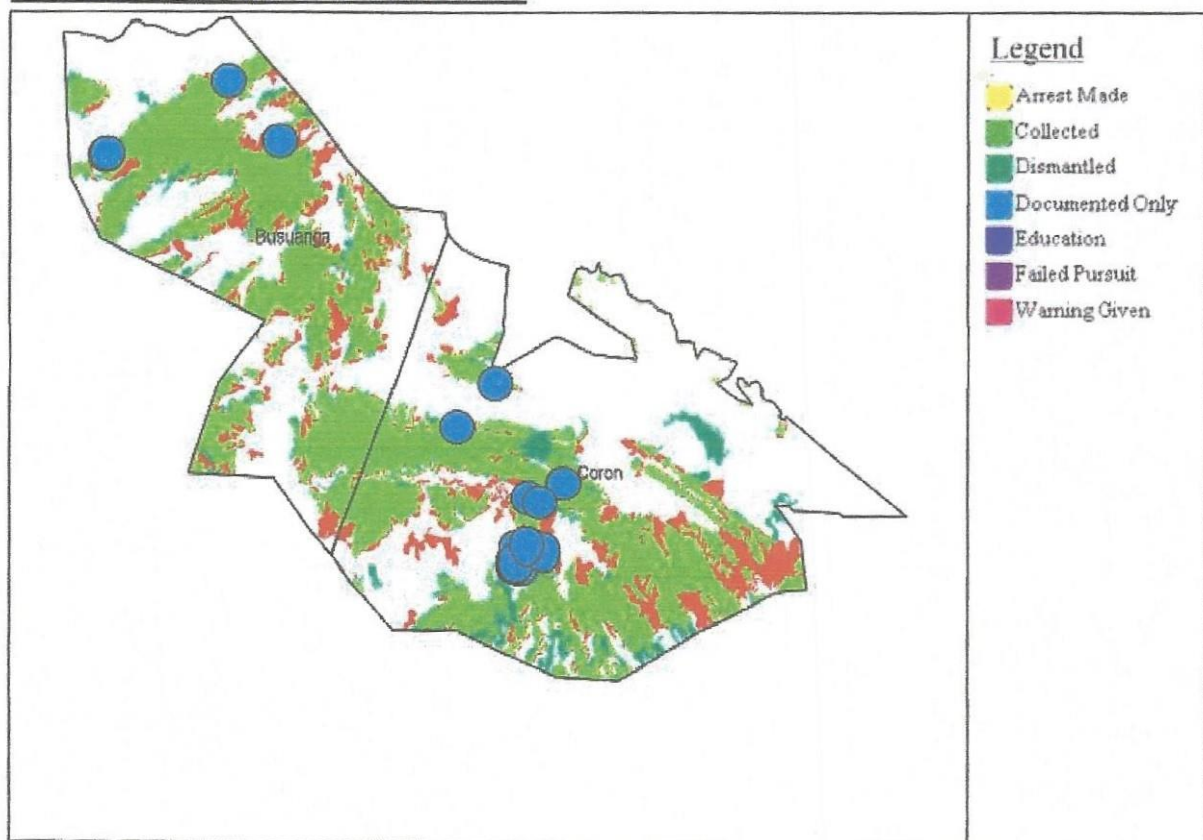
Location of observed threats



Locations and urgency of responses needed



Locations of actions taken to address threats



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