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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 LAWIN MONITORING AND PATROLLING
ACTIVITIES OF BPR MANAGEMENT OFFICE WITHIN THE
FOREST CONSERVATION AREA (FCA) OF BPR FOR 1ST
QUARTER OF 2022**

DOCUMENTS
ATTACHED : BPRMO Report on Lawin Accomplishment for 1st Quarter of 2022

DATE : APR 06 2022

Respectfully forwarded is the report of the BPR Management Office for 1st Quarter of 2022 Lawin Monitoring and Patrolling Accomplishments. Based on the report, the BPRMO patrolled a total of 100.81 km or 112% of their target as per BRPMO's 1st Quarter Lawin Patrol Plan.

For the Regional Executive Director's information and record




MARK GLENN T. MANAGDAG
EMS II/In-charge, Office of the CENRO



Republic of the Philippines
Department of Environment and Natural Resources

FOREST MANAGEMENT BUREAU

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Forest Management Bureau
BPR MANAGEMENT OFFICE
RELEASED

Date: 04.04.2022

By: S. PP 11/76/3

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MEMORANDUM

FOR : The CENR Officer
CENRO Calamianes Islands
Coron, Palawan

FROM : The Undersigned BPR Management Office

SUBJECT : **REPORT ON LAWIN MONITORING AND PATROLLING
ACTIVITIES OF BPR MANAGEMENT OFFICE WITHIN THE
FOREST CONSERVATION AREA (FCA) OF BPR FOR 1ST
QUARTER OF 2022**

DOCUMENT
ATTACHED : BPRMO SMART-generated report;

DATE : APR 04 2022



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 2022.

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 Busuanga and Coron, Palawan. The target distance from January to March 2022 is 90 kilometers (km) based on the Lawin Patrol Plan for 1st Quarter of 2022. Based on the results, the BPRMO Patrol Teams were able to traverse an aggregate distance of 100.81 km or 112 % (Table 1).

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

Months	Target (Km)	Accomplishment (Km)	Difference (Km)	Accomplishment (%)
Jan-Mar	90	100.81	(10.81)	112

**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 428 Forest Condition Counts (FCCs) recorded during the patrolling. Early Secondary Forest (ESF) appears to have the highest figure recorded for 1st

Quarter of 2022 with 185 counts or 43%, while Old Growth Forest have the least with 12 counts or 3%. The remaining forest conditions such as: Open, Uncultivated (OUC), Open-Cultivated (OC), and Advance Secondary Forest (ASF) with corresponding total figures of 106 (25%), 60 (14%), and 65 (15%), respectively. Based on the SMART analysis, the total FC with good condition has a total count of 262 or 61.21% 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	%
12	3	65	15	185	43	106	25	60	14	428	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, 267 FCCs or 62% of the total FCC were recorded with presence of natural regenerants while 161 FCCs or 37% with absence of natural regenerants. There were eleven (11) or 3% recorded dense natural regenerants, while one hundred six (106) FCCs or 25% and one hundred fifty (150) or 35% 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	3	106	25	150	35	267	62	161	37	428	100

Table 4 shows the observed and recorded threats within the FCA of BPR. A total of eleven (11) counts of threats were observed and recorded during the Lawin Patrolling for the 1st Quarter of 2022. Slash and burn farming (kaingin) recorded the highest counts with five (5) recorded occurrence or observation, followed by cutting of trees with four (4) count and another attributed to huts or house and other infrastructure with two (2) documented /recorded counts.

Table 4. Patrol Observation: Threat Count

Threats			Total
Cutting of Trees	Huts or House and Other Infrastructure	Slash and burn farming (kaingin)	
4	2	5	11

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) 2022 are as follows; Slash and burn farming (kaingin) in Barangays of Bintuan, Decalachao and Guadalupe all in the Municipality of Coron, Palawan; another recorded is in Barangay Old Busuanga in the Municipality of Busuanga, Palawan. Cutting of trees observed in Barangays Guadalupe and Decalachao, Coron Palawan; another

recorded Barangays of Old Busuanga and San Rafael both in the Municipality of Busuanga. Hut or house and other infrastructure recorded in Barangays Decalachao and Guadalupe in the Municipality of Coron, Palawan. The current threat index is computed as 0.12 threats per kilometer (T/Km) (average from January to March 2022), up to 21 T/Km in the 1st quarter of 2022.

II. 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. Letter address to the Barangay with 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 in the ground is 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. Conduct of seminar/IEC to every barangay recorded with 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 recovery of forest cover.

For the CENR Officer's information, record and further instruction/s, if any.

RICHARD JOHN P. GALAGATE
Project Operations Control Officer

Prepared by:


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: 89

Apr 1, 2022 4:00 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*

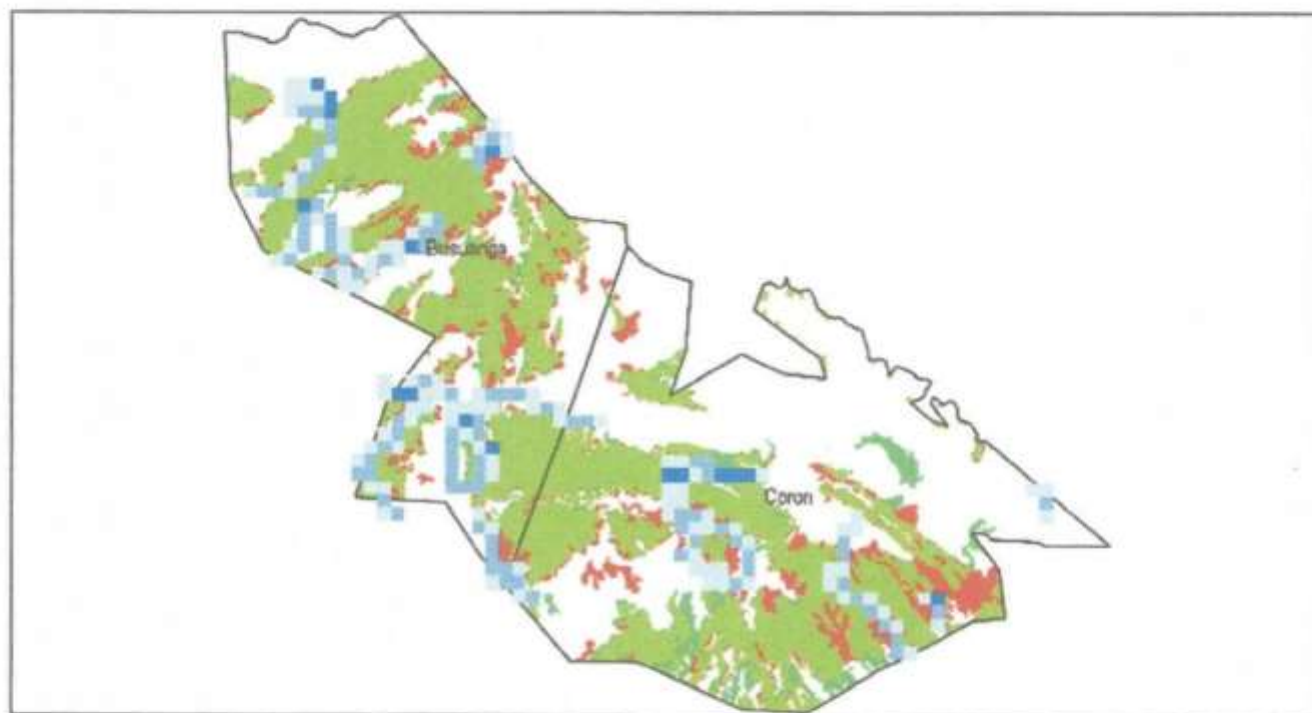


Accomplishment* for the period	Target* distance for the period
108.1	90.00

Accomplishment Rate:
 112%

*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
Dindo Sarmiento	73.06
Michael Acbang	73.06
Rommel Gacayan	73.06
Archie Agnes	69.10
Gricilito Lagao	69.10
Leonardo Puno	69.10
Jojie Montanez	64.85
Joy Kristel Degorio	25.89
Richard Galagate	10.82
Ibrahim Factuar	10.81
Roderick Vallejo	10.81
Desiree Yvette Sandoval	10.07



Forest Protection Effectiveness Report

Region 04B - BPR

Number of days analyzed: 89

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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.

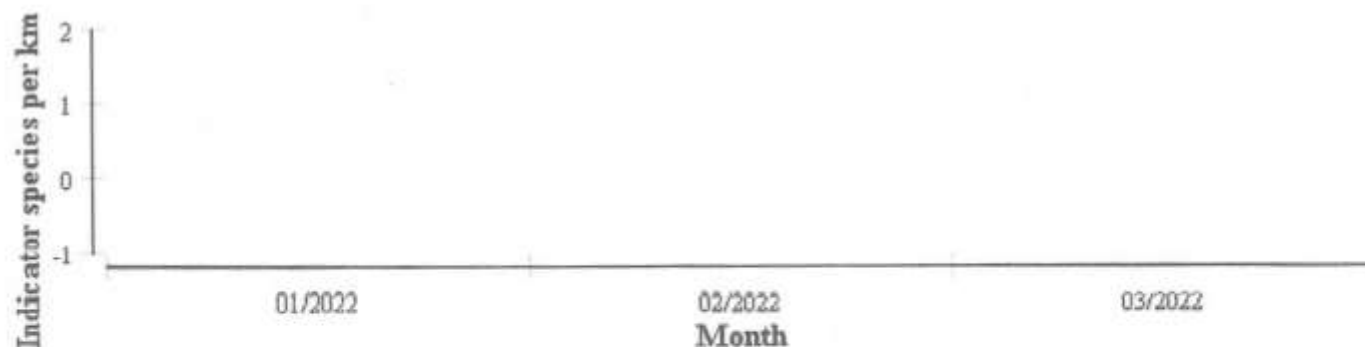
Trends of Observations per Patrol Kilometer in the Forest Conservation Area

Trend in Threats



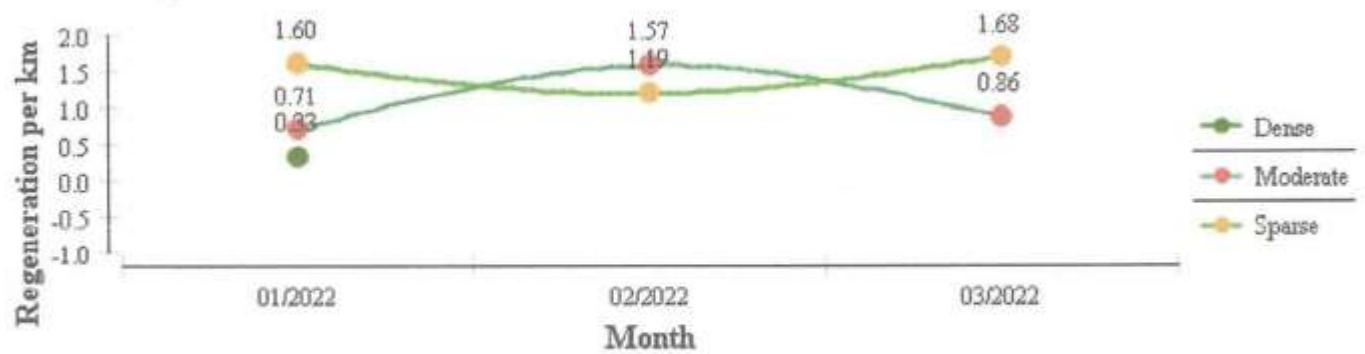
A decreasing trend in threats in the forest conservation area mean effective forest protection; an increasing trend means the opposite.

Trend in Indicator Species



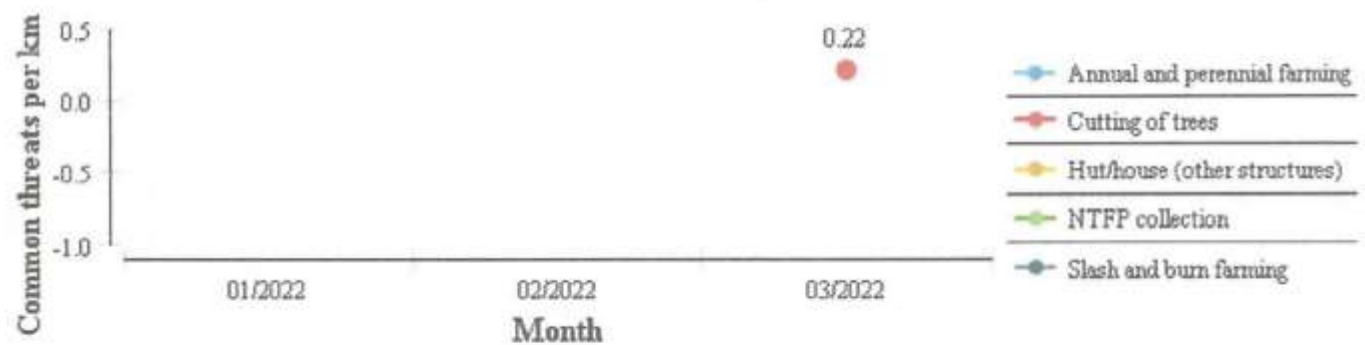
An increasing trend in indicator species in the forest conservation area means effective forest protection; a decreasing trend means the opposite.

Trends in Regeneration Density



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

Trends of most common Threats





Summary Threat Report

Region 04B - BPR

Number of days analyzed: 30

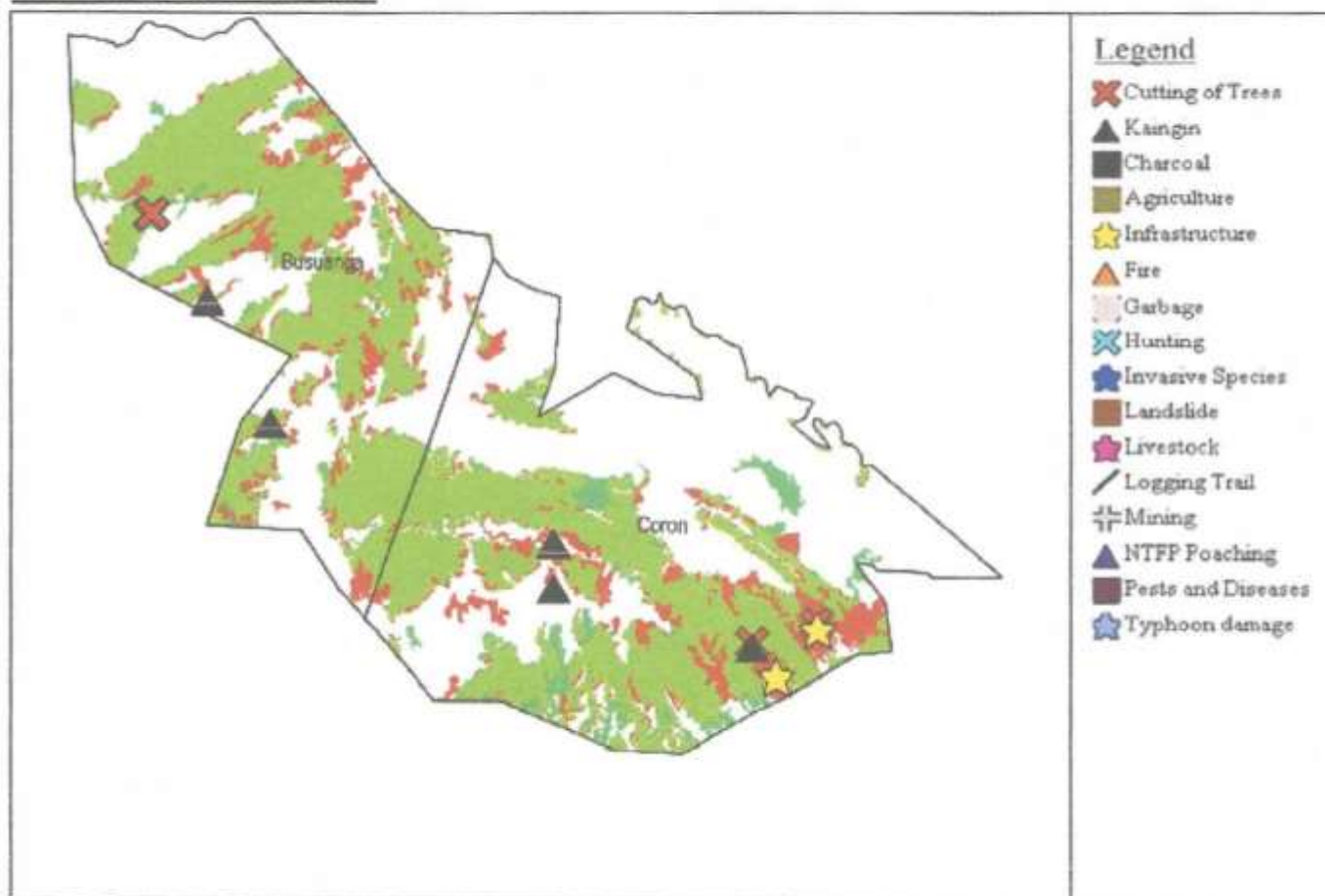
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This report presents information for the implementing units of DENR to effectively plan and carry out actions for addressing observed threats to the forest.

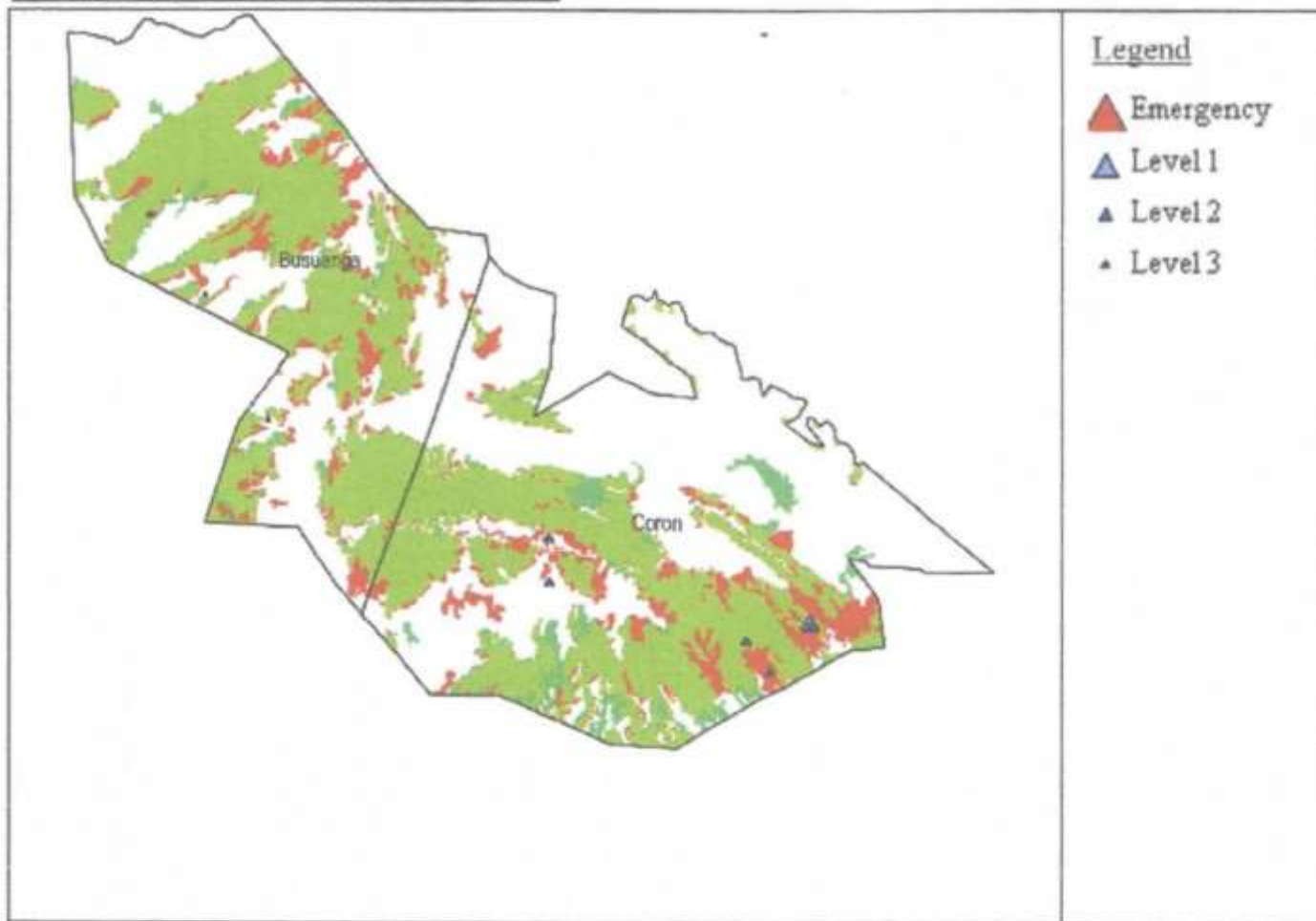
Threats observed and level of response required

Threat	No. of Observations	Emergency - Immediate action required!	Level 1 - Action required within a week	Level 2 - Action required within a month
Cutting of Trees	4	0	1	1
Hut or House and Other Infrastructure	2	0	0	2
Slash and Burn Farming (Kaingin)	1	0	0	1

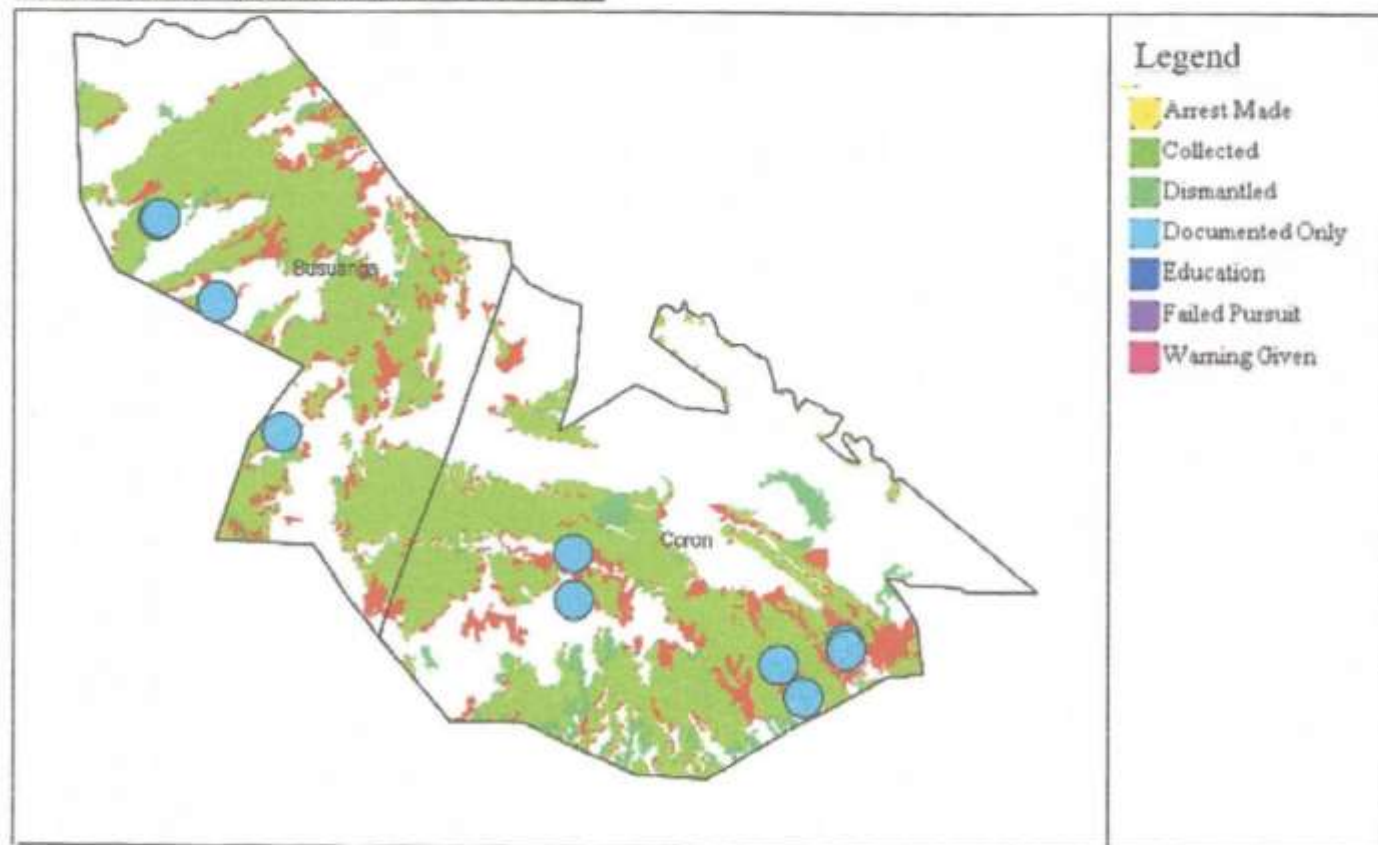
Location of observed threats



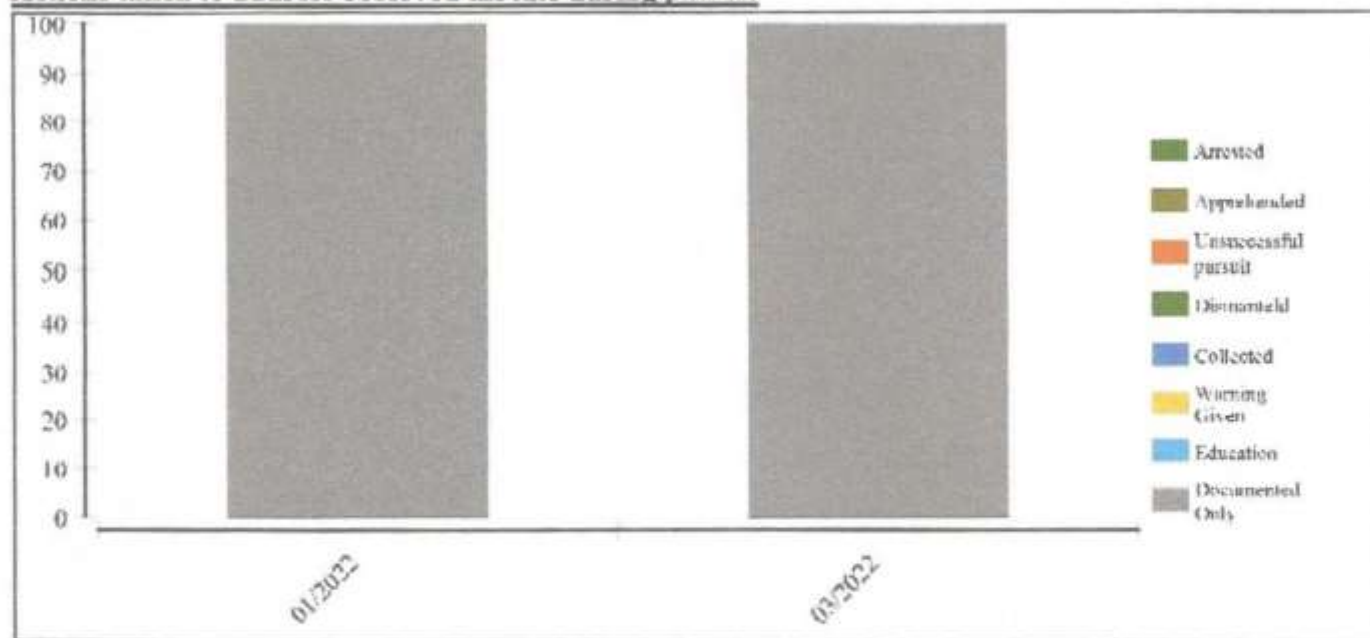
Locations and urgency of responses needed



Locations of actions taken to address threats



Actions taken to address observed threats during patrols





Region 04B - BPR

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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
	1	6	4

Number of threats requiring post-patrol responses:

Status of threats

No action yet	Requires further action	Addressed	Invalid observation

Responses per threat

[illegible]