



Republic of the Philippines  
**Department of Environment and Natural Resources**  
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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 OIC, 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 THE  
SEMI-ANNUAL (JANUARY TO JUNE) OF 2022**

DOCUMENT  
ATTACHED : BPRMO SMART-generated report;

DATE : JUN 30 2022

Respectfully forwarded is the report of the BPR Management Office for the semi-annual (January to June) of 2022 Lawin Monitoring and Patrolling Accomplishments. Based on the report, the target total distance from January to June 2022 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 200.1 km or 111.17 % for the semi-annual (January to June) of 2022.

For the Regional Executive Director's information and record.

  
**RODNEY G. VERIAN**





Republic of the Philippines  
Department of Environment and Natural Resources  
**FOREST MANAGEMENT BUREAU**

Visayas, Avenue, Diliman, 1100 Quezon City  
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Forest Management Bureau  
**BPR MANAGEMENT OFFICE**  
**RELEASED**

**MEMORANDUM**

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

Date: 06.30.2022

By: ago PP 11/102/3

Ref. Code: 40231

**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 THE  
SEMI-ANNUAL (JANUARY TO JUNE) OF 2022**

**DOCUMENT  
ATTACHED :** BPRMO SMART-generated report;

**DATE :** JUN 30 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 the Semi-annual (January to June) 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 total distance from January to June 2022 is 180 kilometers (km) based on the Lawin Patrol Plan for the 1<sup>st</sup> Quarter (Jan. to March-90 km) and 2<sup>nd</sup> Quarter of 2022 (April to June-90 km). Based on the results, the BPRMO Patrol Teams were able to traverse an aggregate distance of 200.1 km or 111.17 % (Table 1).

Table 1. BPRMO LAWIN monitoring and patrolling accomplishment for Semi-annual 2022

Semi-annual	Target (Km)	Accomplishment (Km)	Difference (Km)	Accomplishment (%)
Jan. to June	180	200.1	(20.1)	111.17

*\*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 1,374 Forest Condition Counts (FCCs) recorded during the patrolling. Early Secondary Forest (ESF) appears to have the highest figure recorded for the Semi-annual of 2022 with 634 counts or 46%, while Old Growth Forest has the least with 73 counts or 5%. The remaining forest conditions such as: Open-Uncultivated (OUC), Open-Cultivated (OC), and Advance Secondary Forest (ASF) with corresponding total figures of 275 (20%), 230 (17%), and 162 (12%), respectively. Based on the SMART analysis, the total FC



with the good condition has a total count of 869 or 63.24% 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	%
73	5	162	12	634	46	275	20	230	17	1374	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, 880 FCCs or 64.04% of the total FCC were recorded with presence of natural regenerants while 494 FCCs or 36% with absence of natural regenerants. There were twenty-four (24) or 2% recorded dense natural regenerants, while three hundred thirty-four (334) FCCs or 24% and five hundred twenty-two (522) or 38% 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	%
24	2	334	24	522	38	880	64.04	494	36	1374	100

Table 4 shows the observed and recorded threats within the FCA of BPR. A total of twenty (20) counts of threats were observed and recorded during the Lawin Patrolling for the semi-annual of 2022. Slash and burn farming (kaingin) recorded the highest counts with twelve (12) recorded occurrence or observations, cutting of trees with six (6) recorded counts and huts or house and other infrastructures with two (2) counts.

Table 4. Patrol Observation: Threat Count

Threats	No. of observation
Slash and Burn Farming (Kaingin)	12
Cutting of Trees	6
Huts of House and other infrastructures	2
<b>Total</b>	<b>20</b>

As can be viewed from the map in Annex C, the threats observed/documentated in the FCA from the semi-annual of 2022 are slash and burn farming or kaingin, cutting of trees and huts or house and other infrastructures. On the 1st quarter of 2022, the slash and burn farming (kaingin) is recorded/documentated in Barangays of Bintuan, Decalachao and Guadalupe all in the Municipality of Coron, Palawan; another recorded is in the Barangay Old Busuanga, Busuanga, Palawan. The cutting of trees is recorded in the Barangays of Guadalupe and Decalachao, Coron Palawan; another is recorded in the Barangays of Old Busuanga and San Rafael both in the Municipality of Busuanga. The hut or house and other infrastructure recorded in Barangays Decalachao and Guadalupe in the Municipality of Coron, Palawan. On the 2nd

quarter 2022 are as follows; Slash and burn farming (kaingin) in Barangays of San Rafael and Cheey to Old Busuanga all in the Municipality of Busuanga, Palawan. Another recorded is cutting of trees observed is in Barangay San Nicolas in the Municipality of Coron, Palawan. The current threat index was computed as 0.12 threats per kilometer (T/Km) in January 2022, up to 0.21 T/Km in the month of March 2022, and down to 0.03 T/km in April 2022 and the highest was 0.26 T/Km for the month of June. On the other hand, there are no threats recorded in the month of February 2022 and May 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 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. 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

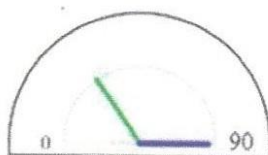
Number of days analyzed: 181

Jun 29, 2022 9:51 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\*    Target\* distance  
 for the period      for the period

200.1

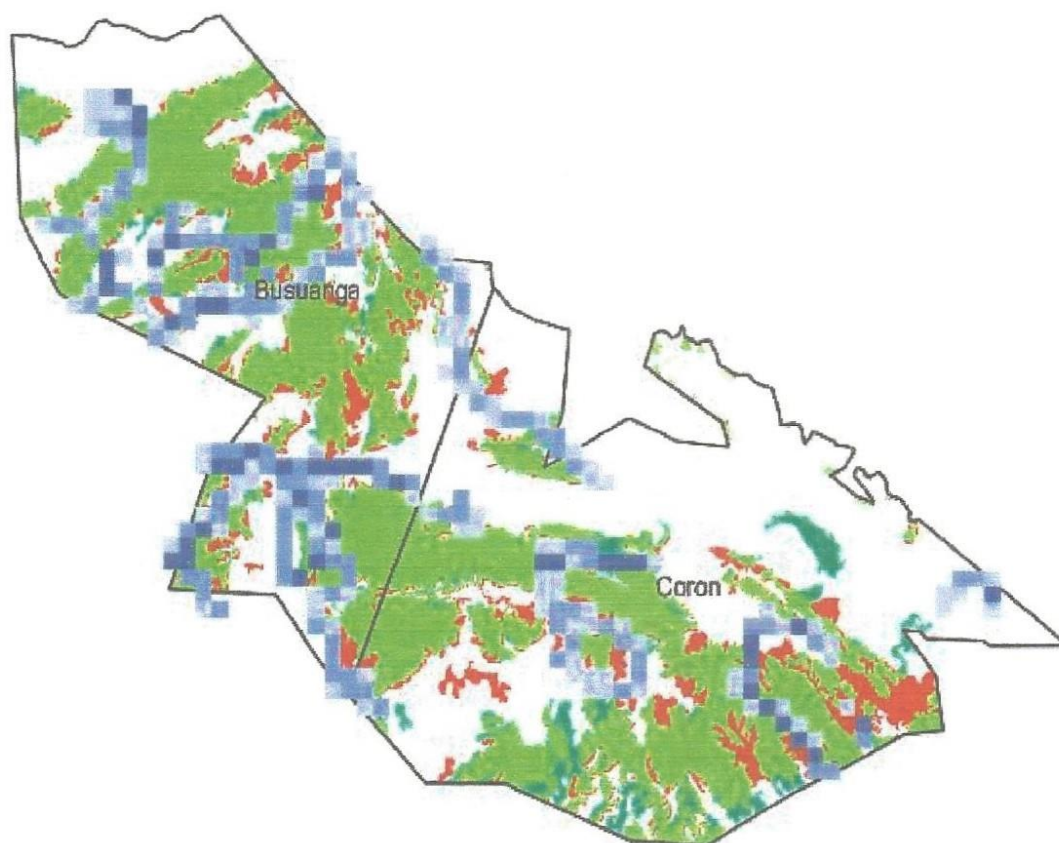
180.00

Accomplishment Rate:

191.17

\*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	150.09
Michael Acbang	149.77
Rommel Gacayan	149.77
Dindo Sarmiento	149.70
Archie Agnes	135.90
Jojie Montanez	135.21
Leonardo Puno	123.71
Desiree Yvette Sandoval	79.52
Joy Kristel Degorio	38.48
Emerson Montanez, Jr.	26.28
Richard Galagate	10.89
Ibrahim Factuar	10.81
Roderick Vallejo	10.81



## Forest Protection Effectiveness Report

### Region 04B - BPR

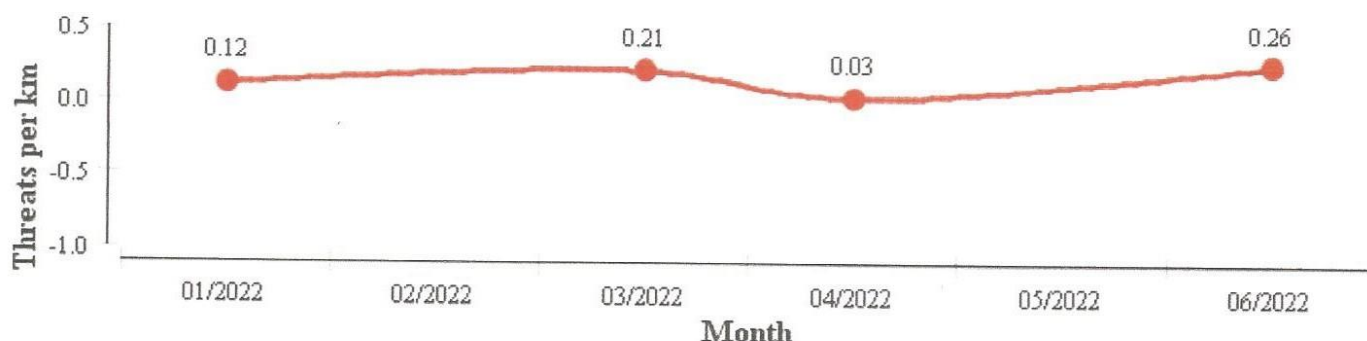
Number of days analyzed: 181

Jun 29, 2022 1:59 AM

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.

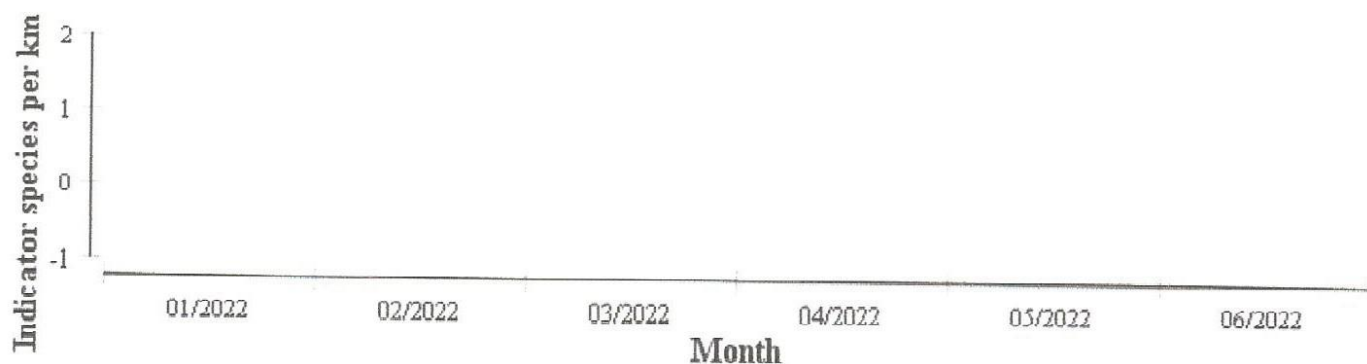
### Trends of Observations per Patrol Kilometer in the Forest Conservation Area

#### Trend in Threats



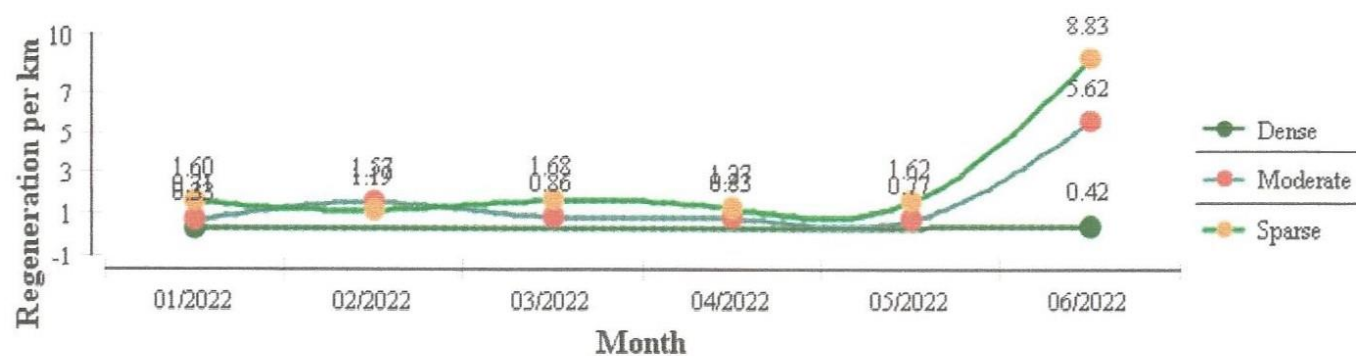
A decreasing trend in threats in the forest conservation area mean effective forest protection; an increasing trend means the opposite.

#### Trend in Indicator Species



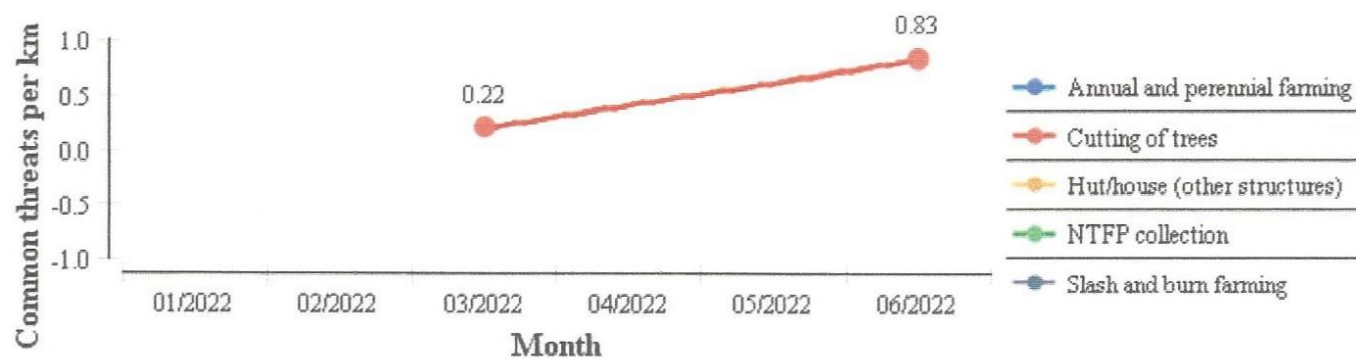
An increasing trend in indicator species in the forest conservation area means effective forest protection; a decreasing trend means the opposite.

### 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  
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### Summary Threat Report

#### Region 04B - BPR

Number of days analyzed: 181

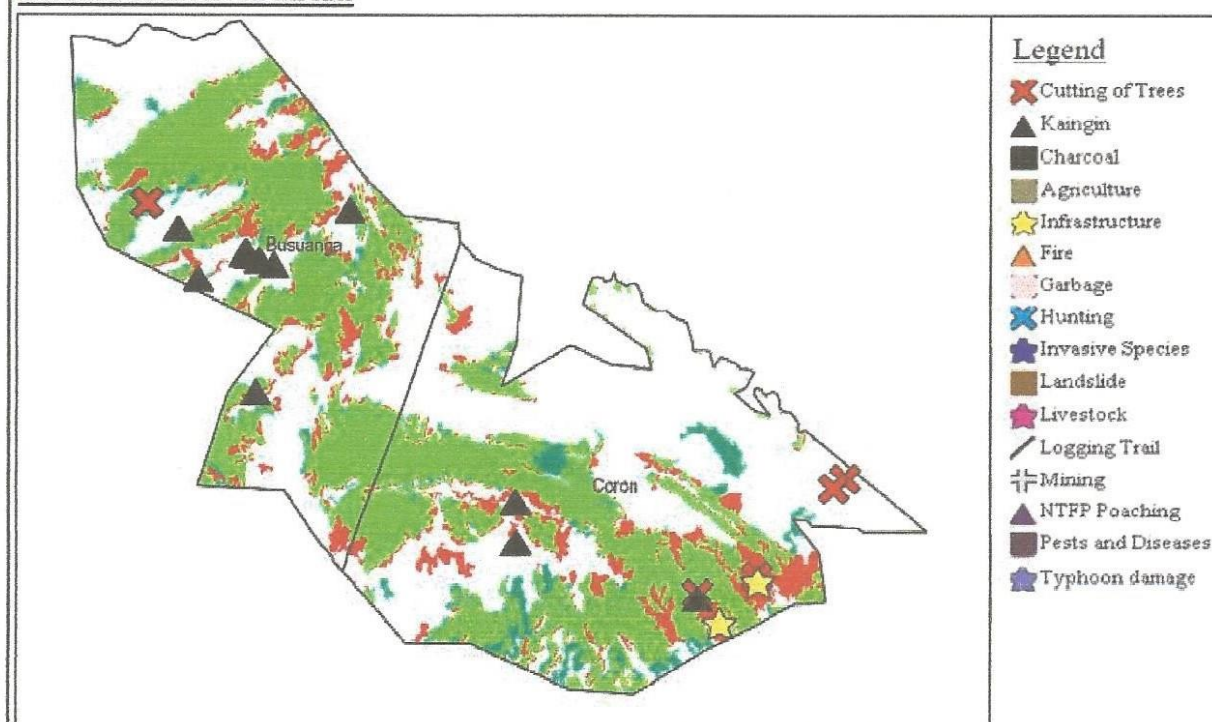
Jun 29, 2022 7:27 PM

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

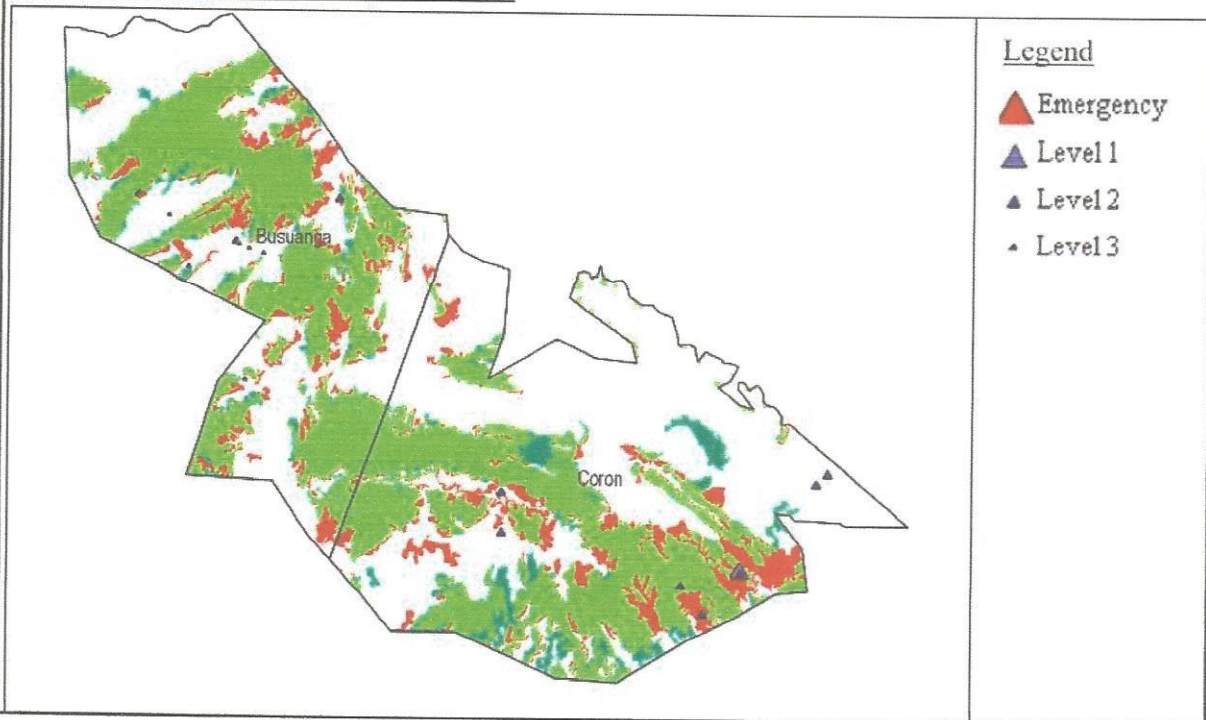
#### Threats observed and level of response required

Threat	No. of Observations	Emergency - Immediate action required!	Level 1 - Action required within a week	Level 2 - Action required within a month
Slash and Burn Farming (Kaingin)	12	0	0	4
Cutting of Trees	6	0	1	3
Hut or House and Other Infrastructure	2	0	0	2

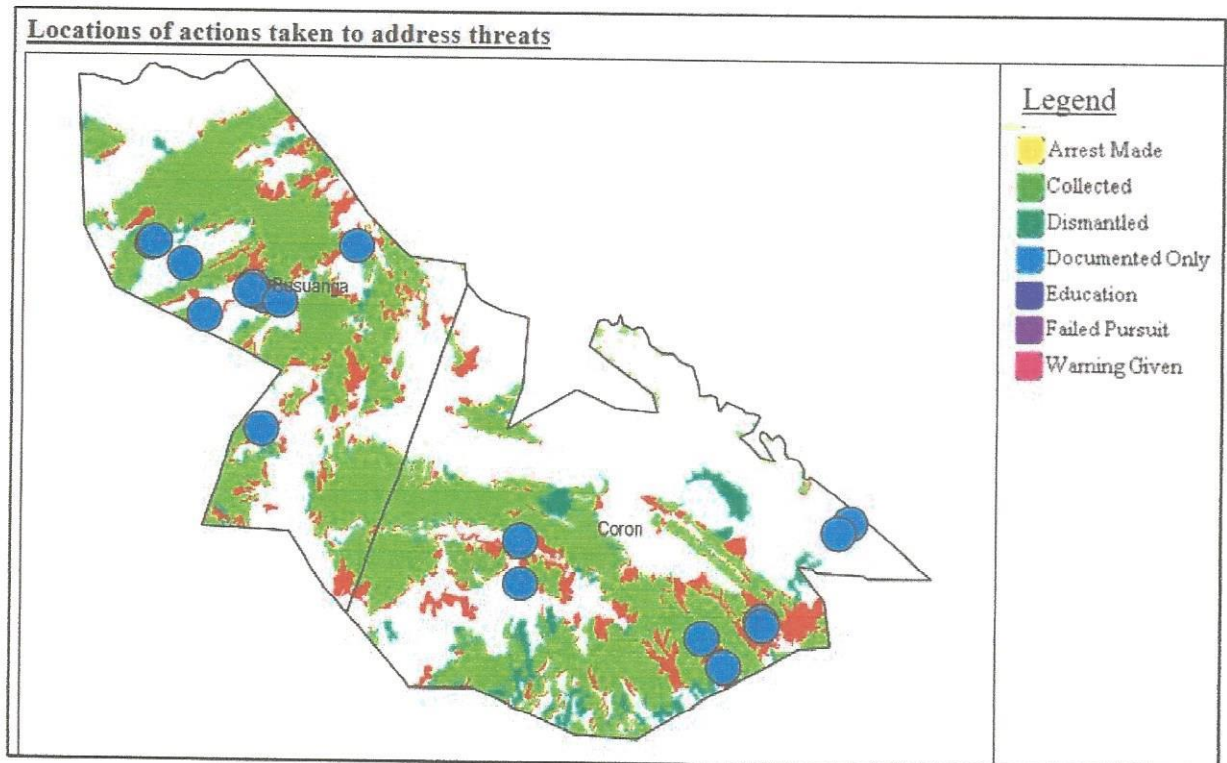
#### Location of observed threats



### Locations and urgency of responses needed



### Locations of actions taken to address threats





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