



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 WITHIN THE
FOREST CONSERVATION AREA (FCA) OF BPR FOR THE 2nd
QUARTER OF 2023**

DOCUMENTS
ATTACHED : 1. BPRMO Report on Lawin Accomplishment for 2nd Quarter of 2023

DATE : JUN 30 2023

Respectfully forwarded herewith is the attached report of the BPR Management Office for 2nd Quarter of 2023 on the implementation of Lawin Forest and Biodiversity Protection System Accomplishments. Based on the report, the BPRMO patrolled a total of 102.34 or 113.71% of their target as per BPRMO's 2nd Quarter Lawin Patrol Plan of 2023.

For the Regional Executive Director's information and record.

RODNEY G. VERIAN





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 2nd QUARTER OF 2023**

DOCUMENTS

ATTACHED : 1. BPRMO SMART-generated report for 2nd Quarter of 2023

DATE : JUN 19 2023

Forest Management Bureau
BPR MANAGEMENT OFFICE
RELEASED

Date: 06.19.2023
By: JLD PP 4/224/12
Ref. Code: LA0342

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 2nd 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 April to June 2023 is 90 kilometers (km) based on the Lawin Patrol Plan for 2nd Quarter of 2023. Based on the results, the BPRMO Patrol Teams were able to traverse an aggregate distance of 102.34 km or 113.71 % (Table 1).

Table 1. BPRMO Lawin monitoring and patrolling accomplishment for 2nd Quarter of 2023

| Months | Target (Km) | Accomplishment (Km) | Difference (Km) | Accomplishment (%) |
|-------------------------|-------------|---------------------|-----------------|--------------------|
| 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 |

*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 1,251 Forest Condition Counts (FCCs) recorded during the patrolling. Open Uncultivated (OUC) appears to have the highest figure recorded for the 2nd Quarter of 2023 with 501 or 40%, while Old Growth Forest have the least with 7 counts or 0.5%. The remaining forest condition such as: Early Secondary Forest (ESF), Open-Cultivated (OC), and Advance Secondary Forest (ASF) with corresponding total figures of 423 (34%), 253 (20%), and 67 (5%), respectively. Based on the SMART analysis, the total FC with good condition has a total count of 497 or 39.5% 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 | % |
| 7 | 0.5 | 67 | 5 | 423 | 34 | 501 | 40 | 253 | 20 | 1251 | 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, 678 FCCs or 54% of the total FCC were recorded while 572 FCCs or 46% with absence of natural regenerants. There were (1) or 0% recorded dense natural regenerants, while one hundred thirty-four (134) FCCs or 11% and five hundred forty-four (544) or 43% 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 | % |
| 1 | 0 | 134 | 11 | 544 | 43 | 678 | 54 | 572 | 46 | 1251 | 100 |

Table 4 shows the observed and recorded threats within the FCA of BPR. A total of sixty-five (65) counts of threats were observed and recorded during the Lawin monitoring and patrolling for the month of 2nd Quarter of 2023 of the BPR Management Office. This was accounted for twenty-five (25) cutting of trees; twenty-two (22) for huts or houses and other infrastructures; seventeen (17) for slash and burn farming (kaingin); and one (1) typhoon related threats

Table 4. Patrol Observation: Threat Count

| Threats | No. of observation |
|--|--------------------|
| Cutting of trees | 25 |
| Huts or Houses and other Infrastructures | 22 |
| Slash and burn farming or kaingin | 17 |

| | |
|-------------------------|-----------|
| Typhoon-related threats | 1 |
| Total | 65 |

As can be viewed from the map in Annex C, the threats observed/documented in the FCA during the 2nd Quarter of 2023 are found in Barangays of San Nicolas, Decalachao, Guadalupe, Bintuan, Coron, Palawan; Barangays of Sagrada, Buluang, New Busuanga, San Rafael, Cheey, Old Busuanga, Sto. Niño, Busuanga, Palawan. The current threat index 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 2nd Quarter has already on the months of April and May already sent communication letters to the concerned barangays for their information regarding the illegal activities in their area within the BPR. 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.

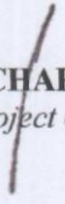
III. Remarks and Recommendations

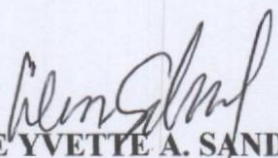
1. Frequency of the visibility of patrolling and Lawin monitoring within the Forest Conservation Area of BPR is being intensified to include weekends, if necessary, in order to prevent and immediately address any possible threats within the forested areas of BPR;
2. As stipulated in the future actions,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


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

Summary Patrol Report

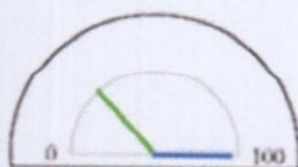
Region 04B - BPR

Number of days analyzed: 91 Jun 17, 2023 10:40 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



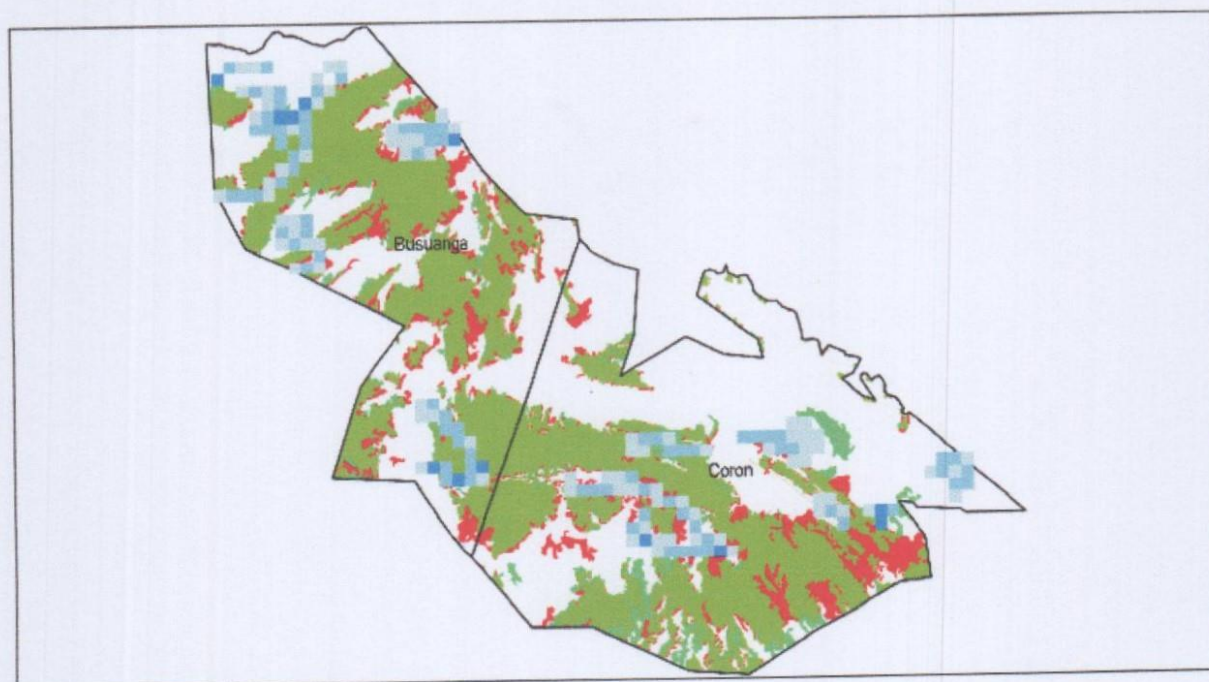
● Accomplishment
 ● Target

| Accomplishment* for the period | Target* distance for the period |
|-----------------------------------|------------------------------------|
| 102.34 | 90 |

Accomplishment Rate:
103.71

*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 |
|-------------------------|------------------------------|
| Bernie Mantal | 67.13 |
| Desiree Yvette Sandoval | 64.44 |
| Rommel Gacayan | 64.44 |
| Gricilito Lagao | 64.09 |
| Emerson Montanez, Jr. | 60.26 |
| Leonardo Puno | 58.02 |
| Michael Acbang | 57.44 |
| Dindo Sarmiento | 56.43 |
| Archie Agnes | 54.19 |
| Richard Galagate | 48.62 |
| Joy Kristel Degorio | 40.09 |



Republic of the Philippines

Department of Environment and Natural Resources

Lawin Forest and Biodiversity Protection System

Forest Protection Effectiveness Report

Region 04B - BPR

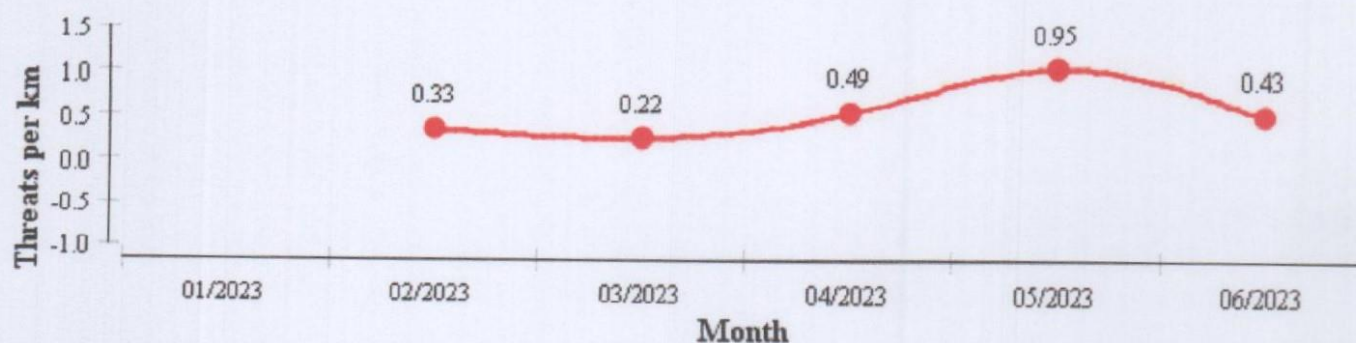
Number of days analyzed: 181

Jun 17, 2023 10:51 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.

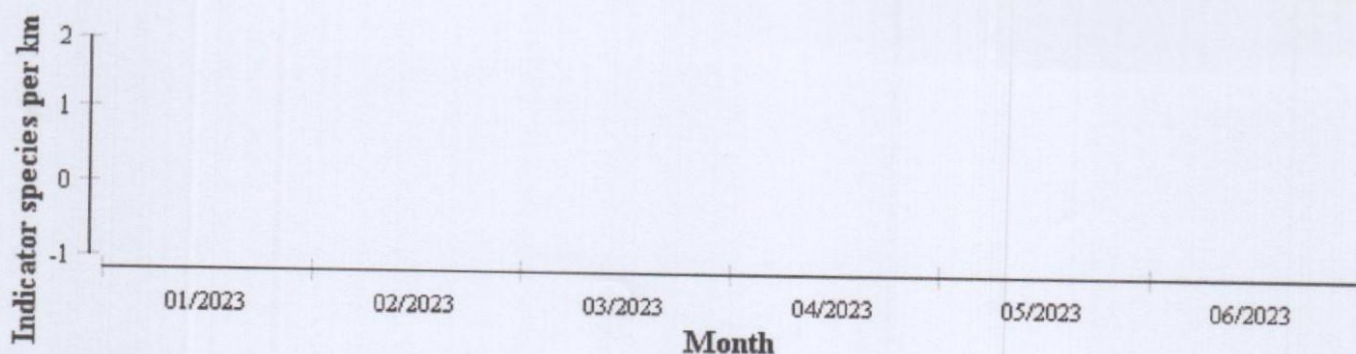
Trends of Observations per Patrol Kilometer in the Forest Conservation Area

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



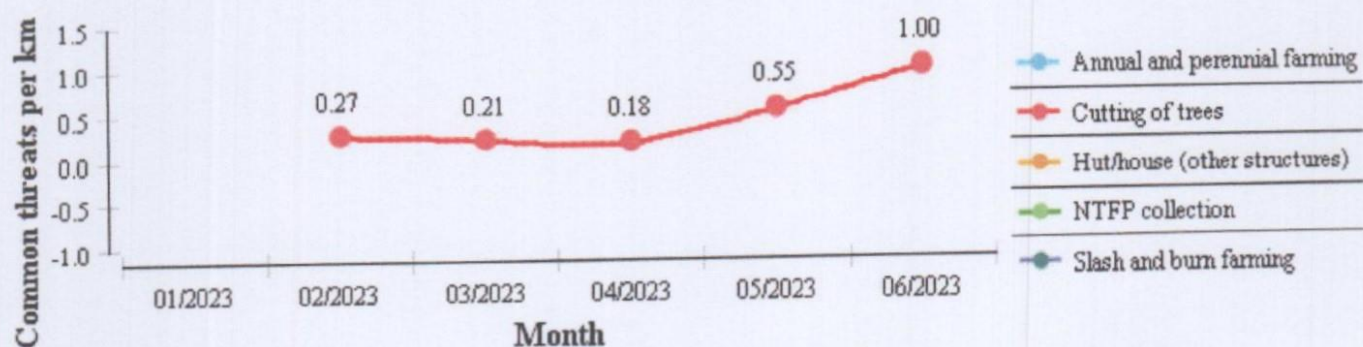
An increasing trend in indicator species in the forest conservation area means effective forest protection; a decreasing trend means the opposite.

Trends in Regeneration Density



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

Trends of most common Threats



**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
Department of Environment and Natural Resources
Lawin Forest and Biodiversity Protection System

Region 04B - BPR

Number of days analyzed: 90

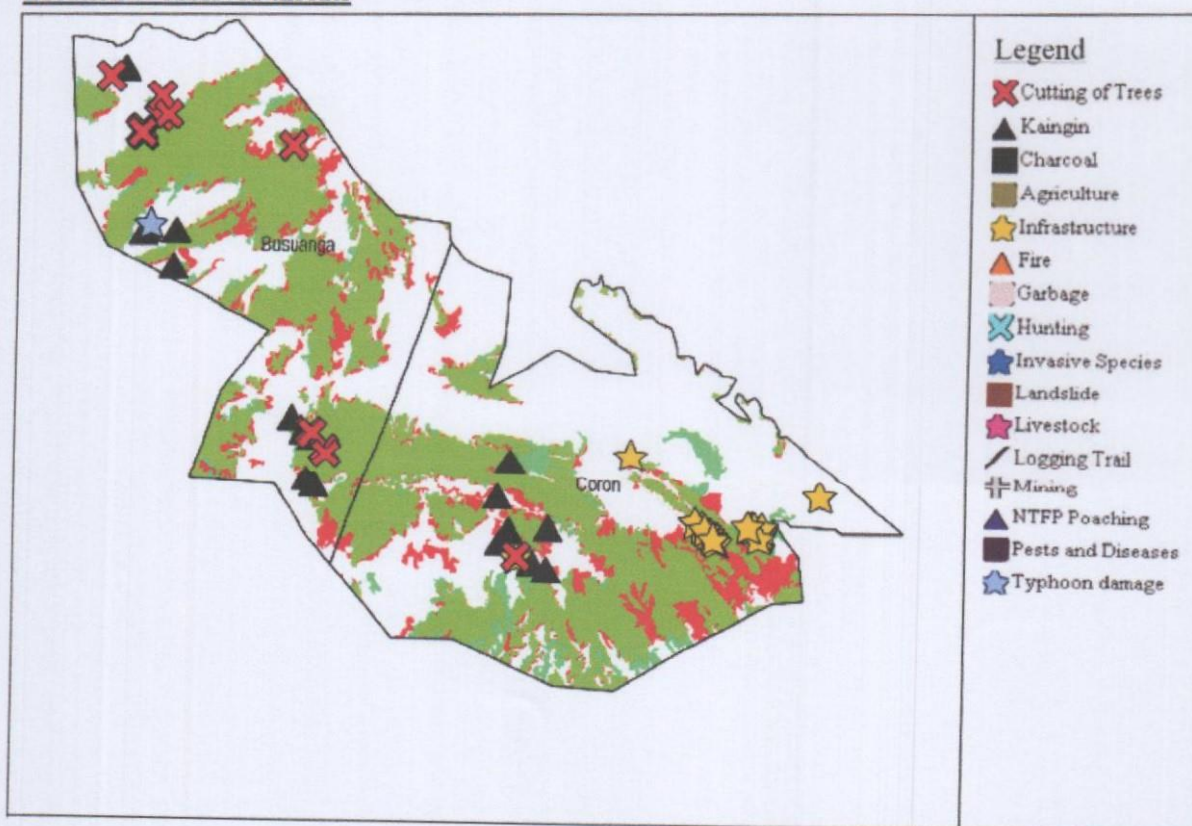
Jun 17, 2023 11:02 AM

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

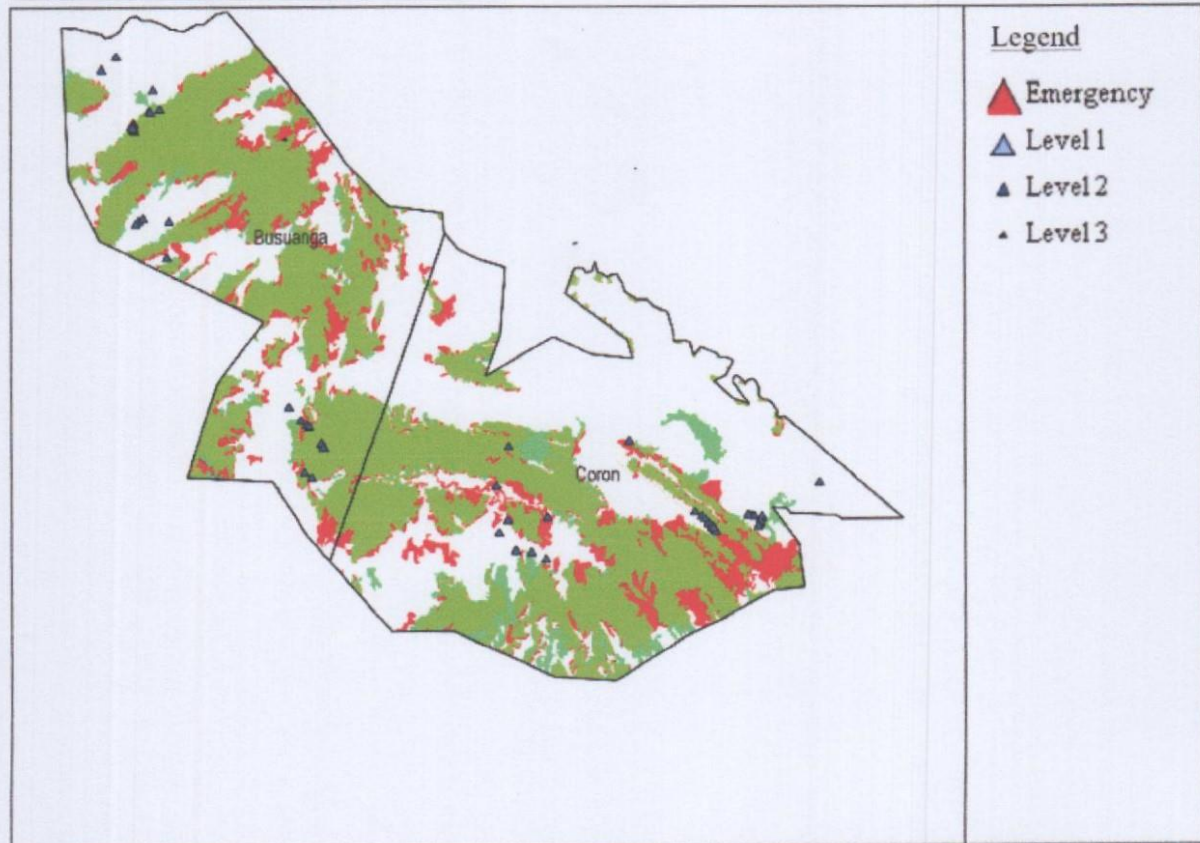
Threats observed and level of response required

| 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 | 25 | 0 | 0 | 24 |
| Hut or House and Other Infrastructure | 22 | 0 | 0 | 22 |
| Slash and Burn Farming (Kaingin) | 17 | 0 | 0 | 17 |
| Typhoon-related Threats | 1 | 0 | 0 | 1 |

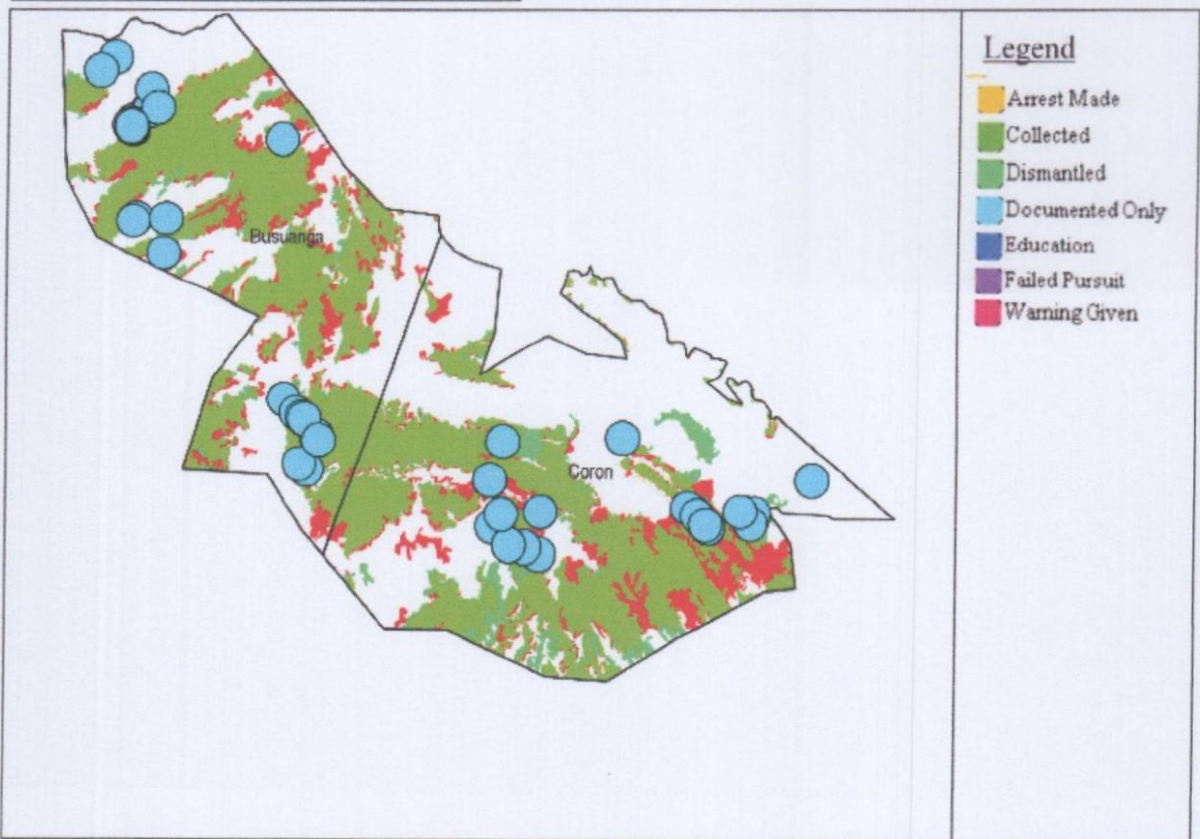
Location of observed threats



Locations and urgency of responses needed



Locations of actions taken to address threats



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