



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

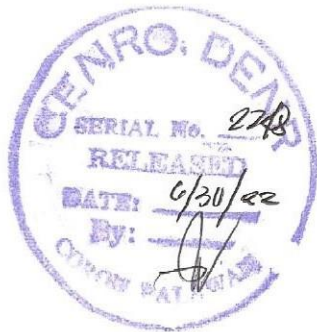
SUBJECT : **REPORT ON LAWIN MONITORING AND PATROLLING
ACTIVITIES OF BPR MANAGEMENT OFFICE WITHIN THE
FOREST CONSERVATION AREA (FCA) OF BPR FOR THE 2ND
QUARTER OF 2022**

DOCUMENTS
ATTACHED : BPRMO Report on Lawin Accomplishment for 2nd Quarter of 2022

DATE : JUN 30 2022

Respectfully forwarded is the report of the BPR Management Office for 2nd Quarter of 2022 Lawin Monitoring and Patrolling Accomplishments. Based on the report, the BPRMO patrolled a total of 99.7 km or 110.78 % of their target as per BRPMO's 2nd Quarter Lawin Patrol Plan.

For the Regional Executive Director's information and record.




RODNEY C. VERIAN



MEMORANDUM

FOR : The OIC, 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 THE 2ND
QUARTER OF 2022**

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

DATE : JUN 30 2022



Forest Management Bureau
BPR MANAGEMENT OFFICE
RELEASED

Date: 06-30-2022
By: [Signature] PP n 102 1
Ref. Code: LA0230

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 2nd 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 April to June 2022 is 90 kilometers (km) based on the Lawin Patrol Plan for 2nd Quarter of 2022. Based on the results, the BPRMO Patrol Teams were able to traverse an aggregate distance of 99.7 km or 110.78 % (Table 1).

Table 1. BPRMO LAWIN monitoring and patrolling accomplishment for 2nd Quarter of 2022

2 nd Quarter	Target (Km)	Accomplishment (Km)	Difference (Km)	Accomplishment (%)
April-June	90	99.7	(9.7)	110.78

**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 946 Forest Condition Counts (FCCs) recorded during the patrolling. Early Secondary Forest (ESF) appears to have the highest figure recorded for the 2nd Quarter of 2022 with 449 counts or 47%, while Old Growth Forest has the least with 61 counts or 6%. The remaining forest conditions such as: Open-Uncultivated (OUC), Open-Cultivated (OC), and Advance Secondary Forest (ASF) with corresponding total figures of 169 (18%), 170 (18%), and 97 (10%), respectively. Based on the SMART analysis, the total FC

with the good condition has a total count of 607 or 64.16% 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	%
61	6	97	10	449	47	169	18	170	18	946	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, 613 FCCs or 64.80% of the total FCC were recorded with presence of natural regenerants while 333 FCCs or 35% with absence of natural regenerants. There were thirteen (13) or 1% recorded dense natural regenerants, while two hundred twenty-eight (228) FCCs or 24% and three hundred seventy-two (372) or 39% 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	%
13	1	228	24	372	39	613	64.80	333	35	946	100

Table 4 shows the observed and recorded threats within the FCA of BPR. A total of nine (9) counts of threats were observed and recorded during the Lawin Patrolling for the 2nd Quarter of 2022. Slash and burn farming (kaingin) recorded the highest counts with seven (7) recorded occurrence or observations and cutting of trees with two (2) recorded counts.

Table 4. Patrol Observation: Threat Count

Threats	No. of observation
Slash and Burn Farming (Kaingin)	7
Cutting of Trees	2
Total	9

As can be viewed from the map in Annex C, the threats observed/documented in the FCA from the month of April to June (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

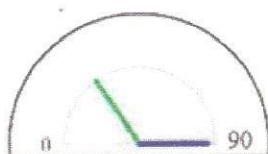
Number of days analyzed: 91

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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

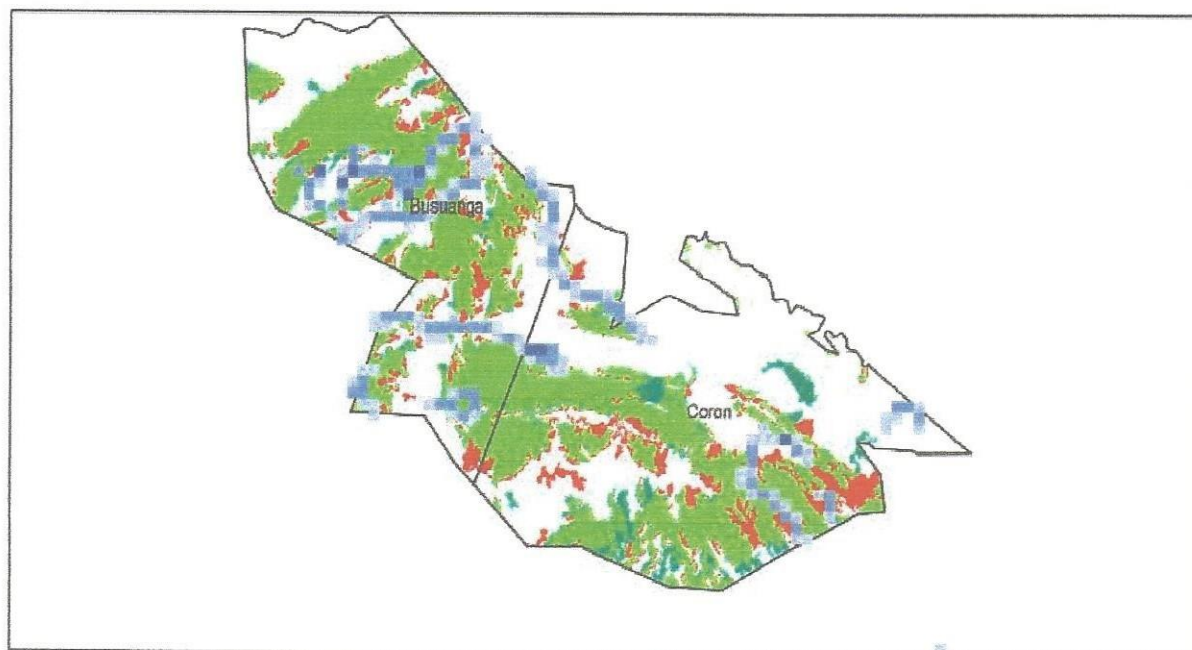
Accomplishment* for the period	Target* distance for the period
99.7	90.00

Accomplishment Rate:

100.78

*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	80.99
Michael Acbang	76.72
Rommel Gacayan	76.72
Dindo Sarmiento	76.65
Jojie Montanez	70.36
Desiree Yvette Sandoval	69.45
Archie Agnes	66.80
Leonardo Puno	54.61
Emerson Montanez, Jr.	26.28
Joy Kristel Degorio	12.59



Forest Protection Effectiveness Report

Region 04B - BPR

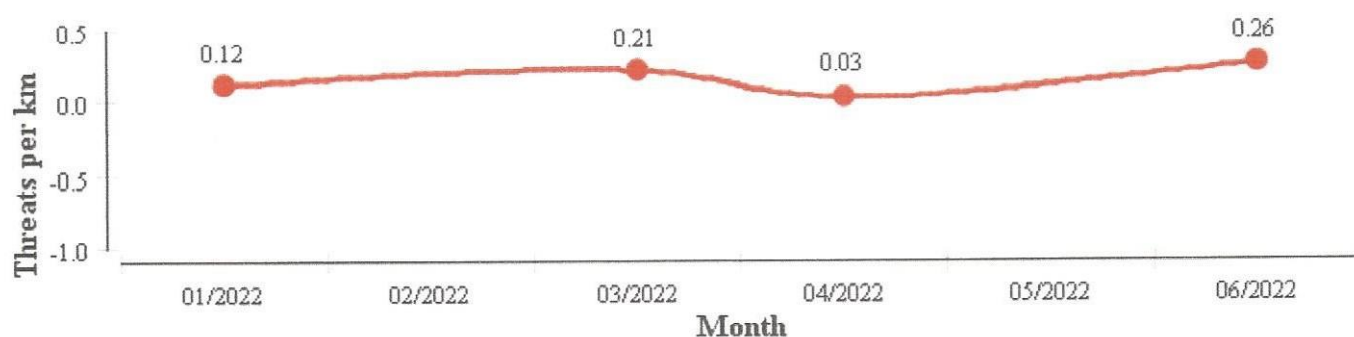
Number of days analyzed: 181

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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.

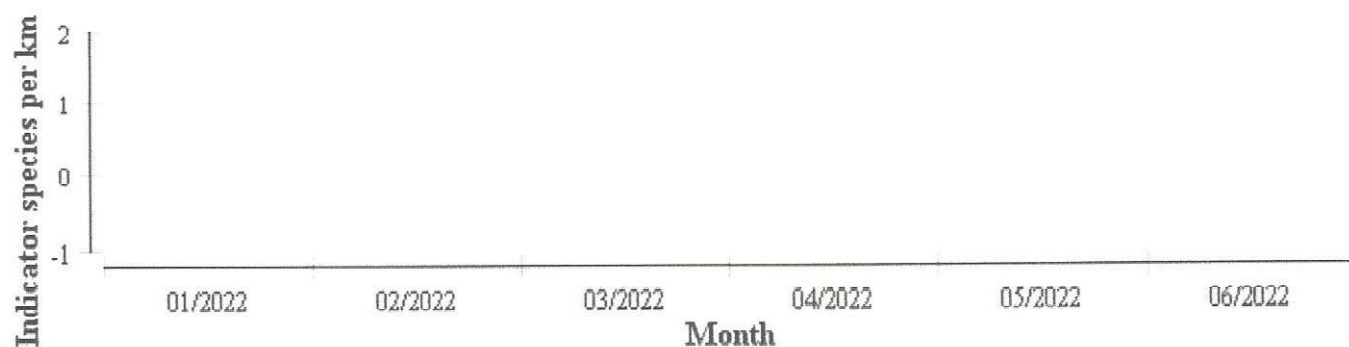
Trends of Observations per Patrol Kilometer in the Forest Conservation Area

Trend in Threats



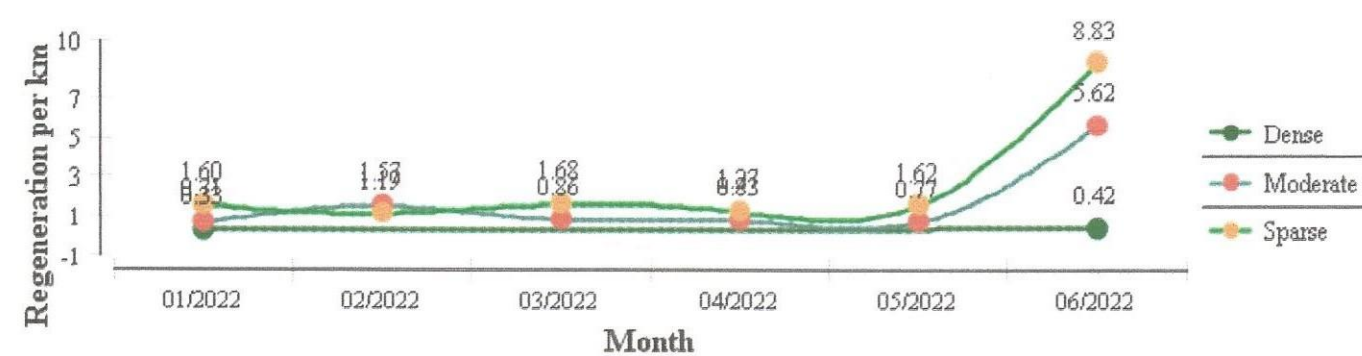
A decreasing trend in threats in the forest conservation area mean effective forest protection; an increasing trend means the opposite.

Trend in Indicator Species



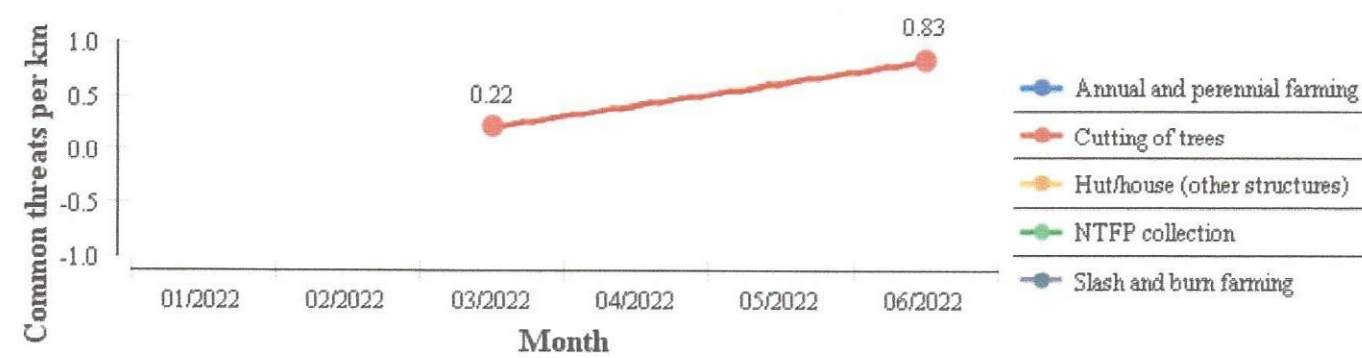
An increasing trend in indicator species in the forest conservation area means effective forest protection; a decreasing trend means the opposite.

Trends in Regeneration Density



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

Trends of most common Threats





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: 91

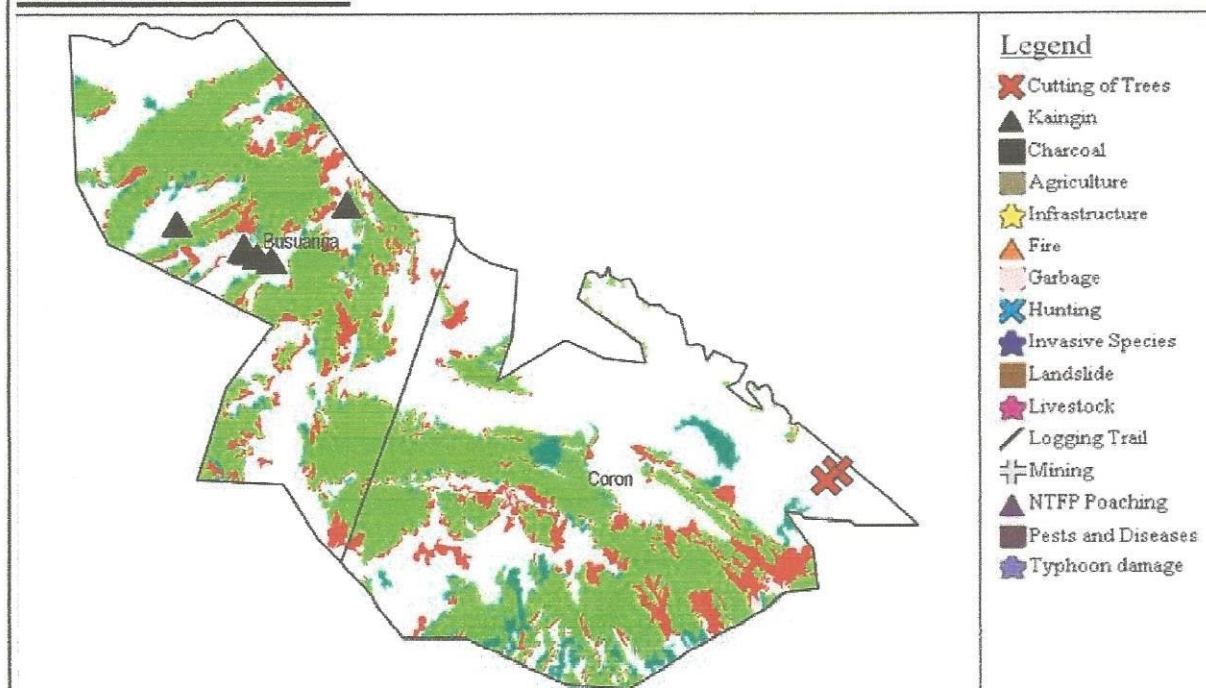
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This report presents information for the implementing units of DENR to effectively plan and carry out actions for addressing observed threats to the forest.

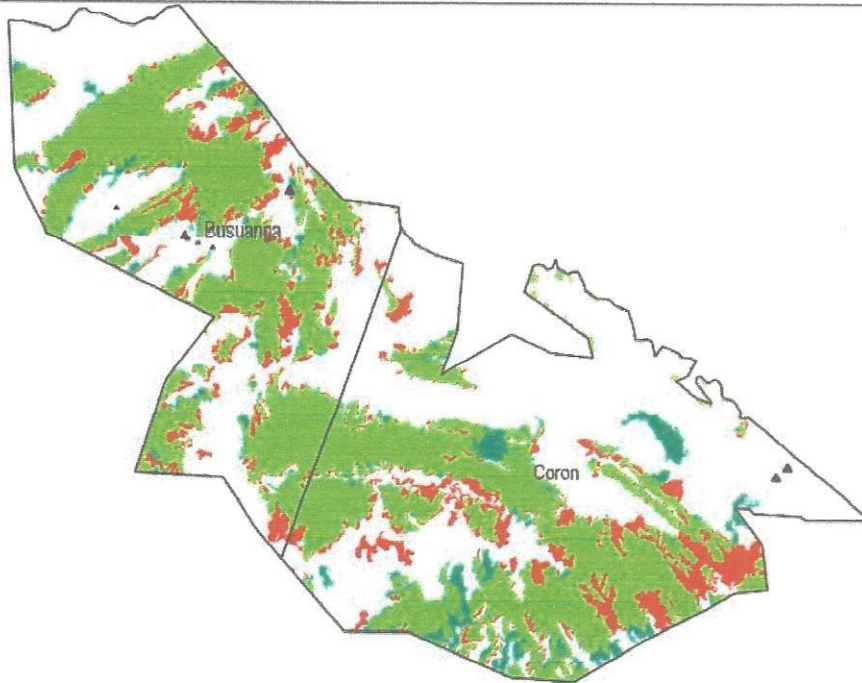
Threats observed and level of response required

Threat	No. of Observations	Emergency - Immediate action required!	Level 1 - Action required within a week	Level 2 - Action required within a month
Slash and Burn Farming (Kaingin)	7	0	0	1
Cutting of Trees	2	0	0	2

Location of observed threats



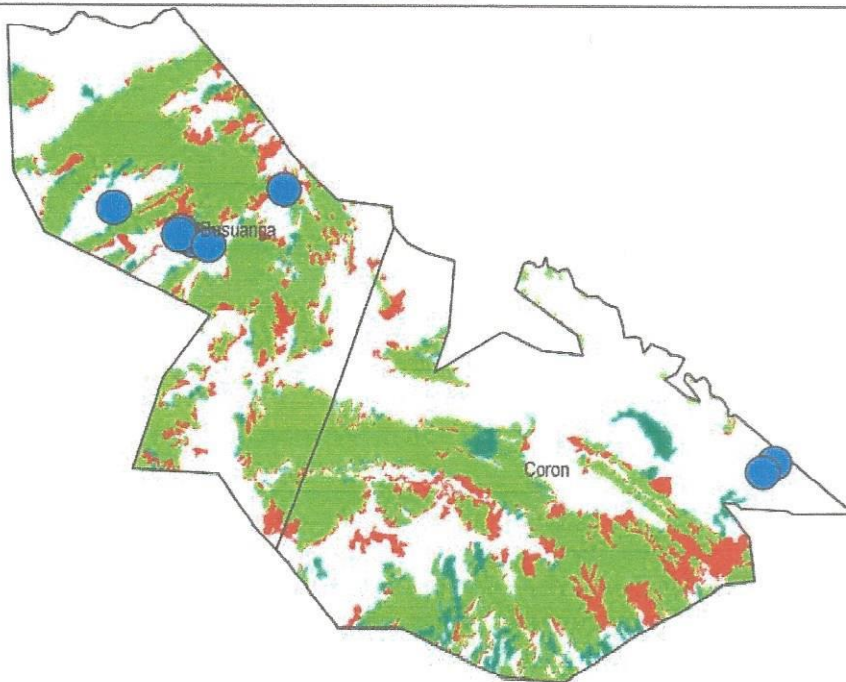
Locations and urgency of responses needed



Legend

- ▲ Emergency
- ▲ Level 1
- ▲ Level 2
- ▲ Level 3

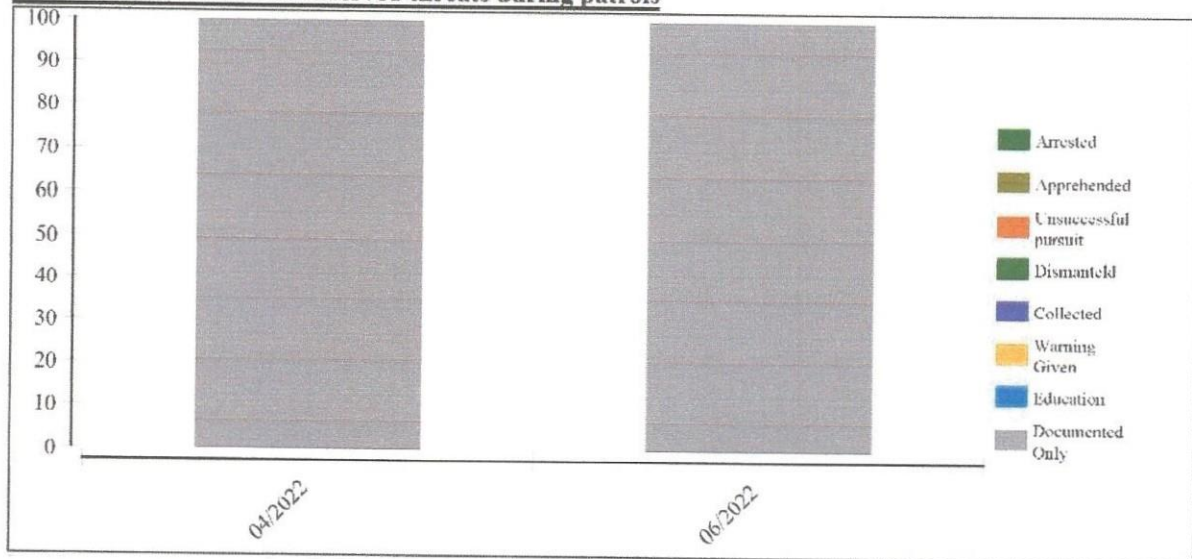
Locations of actions taken to address threats



Legend

- Arrest Made
- Collected
- Dismantled
- Documented Only
- Education
- Failed Pursuit
- Warning Given

Actions taken to address observed threats during patrols



Region 04B - BPR

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Immediate action required	Requires action within a week	Requires action within a month	No further action required
		3	6

Status of threats			
No action yet	Requires further action	Addressed	Invalid observation

[illegible]