



Republic of the Philippines
Department of Environment and Natural Resources
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE
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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 4th
QUARTER OF 2021**


**DOCUMENTS
ATTACHED :** BPRMO Report on Lawin Accomplishment for 4th Quarter of 2021

DATE : 16 DEC 2021

Respectfully forwarded is the report of the BPR Management Office for 4th Quarter of 2021 Lawin Monitoring and Patrolling Accomplishments. Based on the report, the BPRMO patrolled a total of 99.84 km or 110.93 % of their target as per BRPMO's 4th Quarter Lawin Patrol Plan.

For the Regional Executive Director's information and record




ARNOLDO A. BLAZA, JR.
CENR Officer



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MEMORANDUM

FOR : The CENR Officer
CENRO Calamianes Islands
Coron, Palawan

Forest Management Bureau
BPR MANAGEMENT OFFICE
RELEASED

Date: 12.15.2021
By: Bj pp 11 / 12 / 2
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FROM : The OIC, BPR Management Office
SUBJECT : **REPORT ON LAWIN MONITORING AND PATROLLING
ACTIVITIES OF BPR MANAGEMENT OFFICE WITHIN THE
FOREST CONSERVATION AREA (FCA) OF BPR FOR 4th
QUARTER OF 2021**

DOCUMENT
ATTACHED : BPRMO SMART-generated report;

DATE : 15 DEC 2021

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 conducted in the Municipalities of Busuanga and Coron, Palawan within the BPR area for 4th Quarter of 2021.

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 October to December 2021 is 90 kilometers (km) based on the Lawin Patrol Plan for 4th Quarter of 2021. Based on the results, the BPRMO Patrol Teams were able to traverse an aggregate distance of 99.84 km or 110.93 % (Table 1).

Table 1. BPRMO LAWIN monitoring and patrolling accomplishment for 4th Quarter of 2021

Months	Target (Km)	Accomplishment (Km)	Difference (Km)	Accomplishment (%)
Oct-Dec	90	99.84	(9.84)	110.93

**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 506 Forest Condition Counts (FCCs) recorded during the patrolling. Early Secondary Forest (ESF) appears to have the highest figure recorded for 4th Quarter of 2021 with 171 counts or 34%, while Old Growth Forest have the least with 6 counts or 1%. The remaining forest conditions such as: Open, Uncultivated (OUC), Open-Cultivated (OC), and Advance Secondary Forest (ASF) with corresponding total figures of 155 (31%), 117 (23%), and 57 (11%), respectively. Based on the SMART analysis, the total FC with good condition has a total count of 234 or 46.25% 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	%
6	1	57	11	171	34	155	31	117	23	506	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, 232 FCCs or 46% of the total FCC were recorded with presence of natural regenerants while 274 FCCs or 54% with absence of natural regenerants. There were five (5) or 1% recorded dense natural regenerants, while sixty-one (61) FCCs or 12% and one hundred sixty-six (166) or 33% are recorded as moderate and sparse natural regenerants, respectively (Table 3).

Table 3. Patrol Observation: Natural Regenerant Count

Regenerants										Total Forest Condition	
Presence of Regenerant								No Regenerants			
Dense		Moderate		Sparse		Total					
Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
5	1	61	12	166	33	232	46	274	54	506	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 4th Quarter of 2021. Huts or House and other Infrastructure recorded the highest counts with 6 recorded occurrence or observation, followed by cutting of trees with four (4) count and another attributed to logging trail with one (1) documented /recorded counts.

Table 4. Patrol Observation: Threat Count

Threats			Total
Tree Cutting	Huts or House and Other Infrastructure	Logging Trail	
4	6	1	11


As can be viewed from the map in Annex C, the threats observed/documented in the FCA from the month of October to December (4th quarter) 2021 are as follows; Logging trail form Brgy. Bogtong, Busuanga Palawan, tree cutting from Barangays of Bogtong and Sagrađa for the Municipality of Busuanga another recorded/ recorded is in Brgy. San Nicolas in Coron

Palawan. While for Huts or House and other Infrastructure these are found mostly in the Municipality of Coron in Barangays of Bintuan, Declachao and San Jose and one counts only attributed to Brgy. Sagrada Busuanga Palawan. The current threat index is computed as 0.11 threats per kilometer (T/Km) (average from October to December 2021), down from 0 threats T/Km in the 3rd quarter of 2021.

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. 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;
3. 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
4. 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.


PEREGRINO S. BAGUNU JR.

Prepared by:


RICHARD JOHN P. GALAGATE
Project Operations Control Officer



Summary Patrol Report

Region 04B - BPR

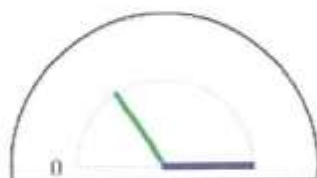
Number of days analyzed: 92

Dec 14, 2021 3:41 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

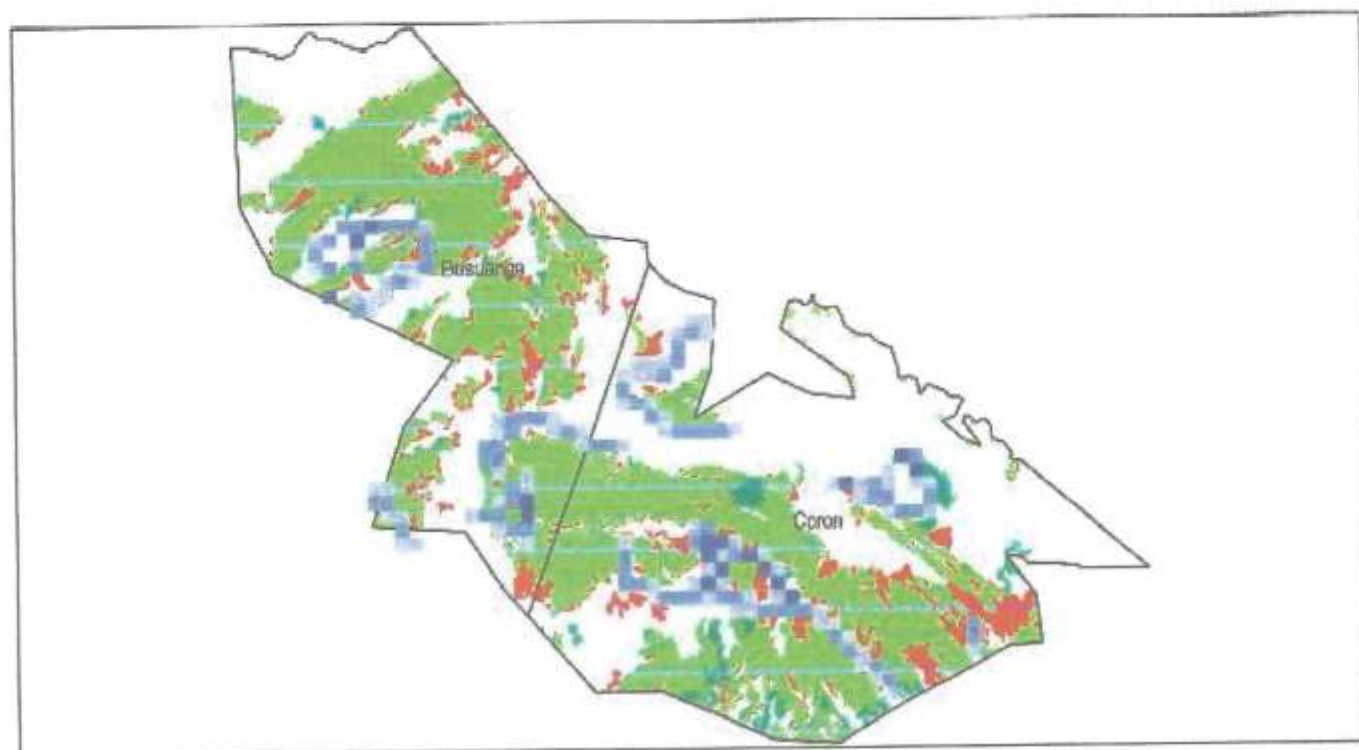
Accomplishment* Target* distance
for the period for the period
99.84

Accomplishment Rate:

*Target is computed based on 10km target per team of 4 DENR patrollers per month

* Only Accomplishment for the period were indicated due to unresolved technical problem when processing of the data

Patrol coverage and intensity



Patrol distance covered by each forest ranger

Forest Ranger	Patrol Distance Accomplished
Rommel Gacayan	68.79
Ibrahim Factuar	61.91
Roderick Vallejo	61.91
Michael Acbang	60.30
Dindo Sarmiento	58.14
Archie Agnes	44.83
Gricilito Lagao	44.83
Jojie Montanez	44.83
Leonardo Puno	44.83
Richard Galagate	12.45
Joy Kristel Degorio	11.21
Rovelyn Cruz	10.29
CENRO BPR	8.87



Forest Protection Effectiveness Report

Region 04B - BPR

Number of days analyzed: 365

Dec 14, 2021 4:04 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



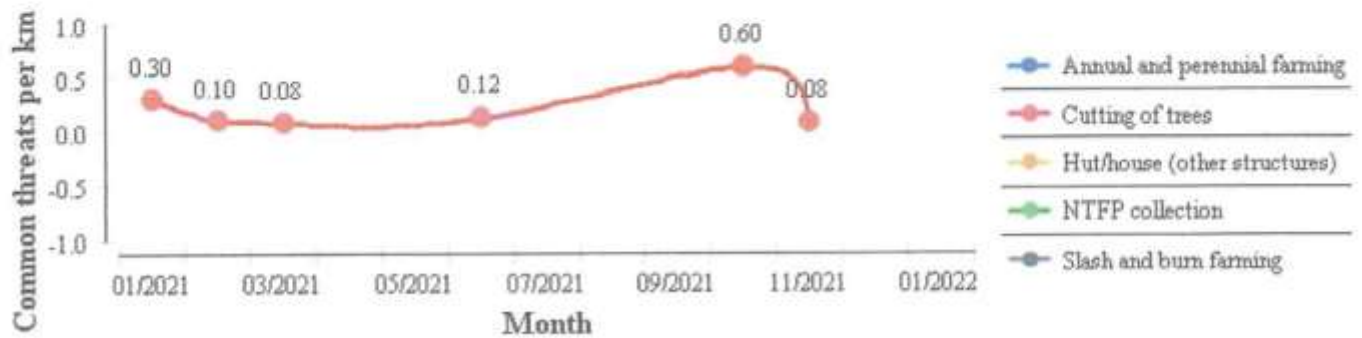
An increasing trend in indicator species in the forest conservation area means effective forest protection; a decreasing trend means the opposite.

Trends in Regeneration Density



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

Trends of most common Threats





Summary Threat Report

Region 04B - BPR

Number of days analyzed: 92

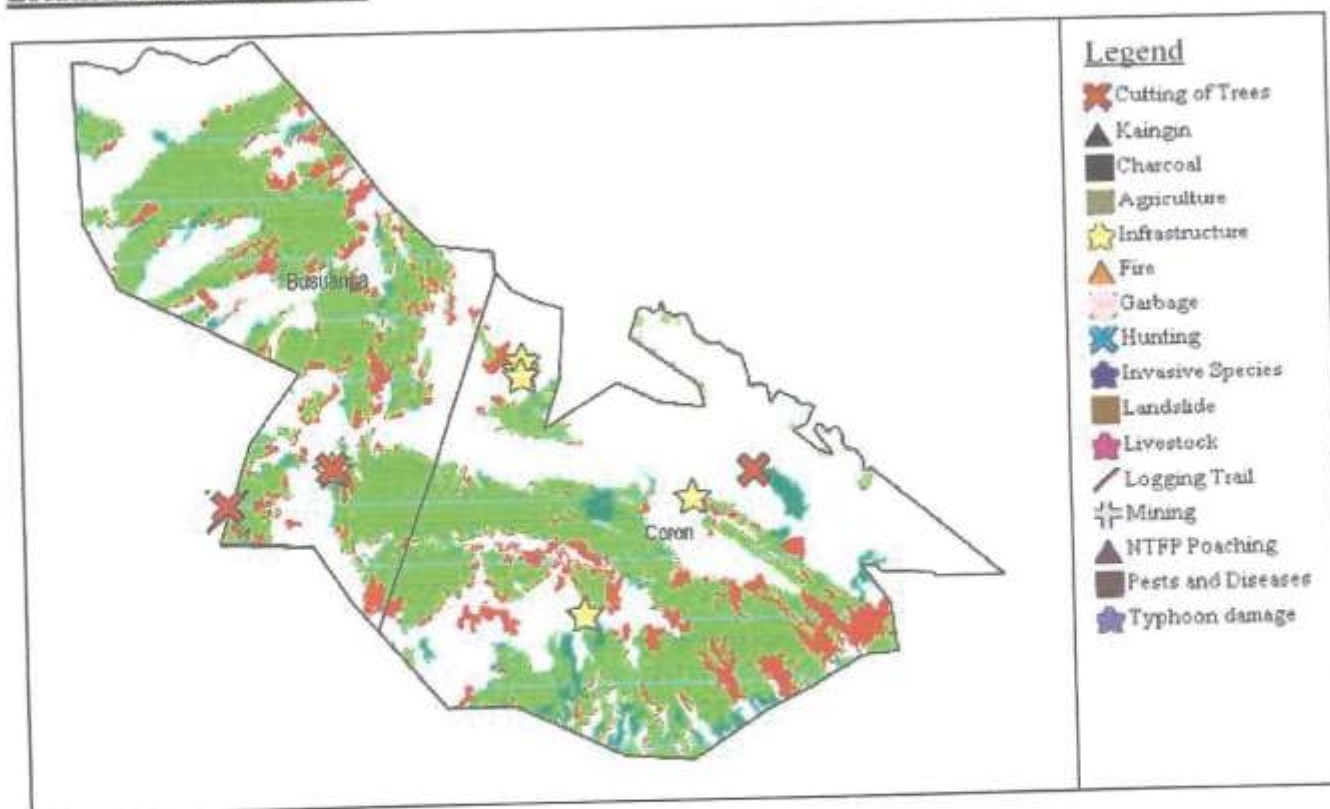
Dec 14, 2021 4:07 PM

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

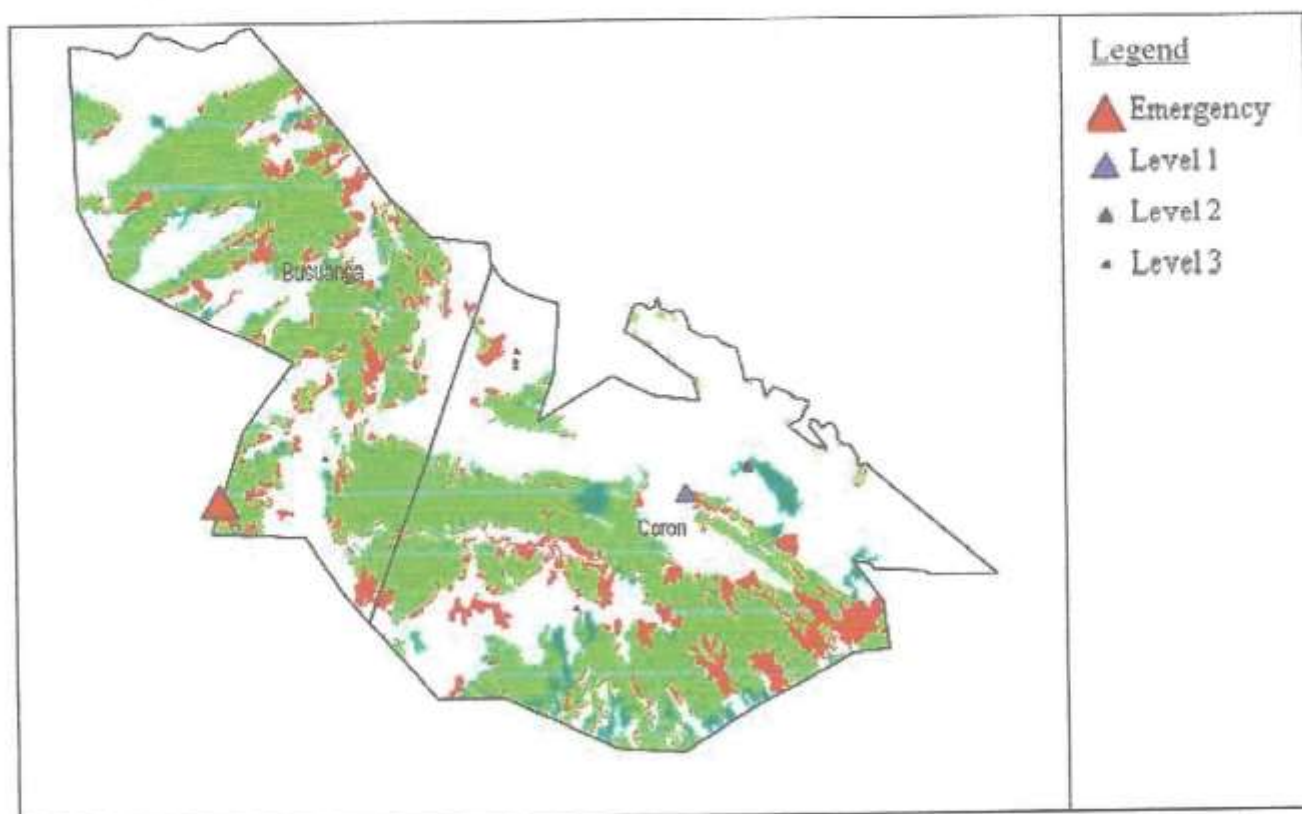
Threats observed and level of response required

Threat	No. of Observations	Emergency - Immediate action required!	Level 1 - Action required within a week	Level 2 - Action required within a month
Hut or House and Other Infrastructure	6	0	1	0
Cutting of Trees	4	1	0	2
Logging Trail	1	0	0	0

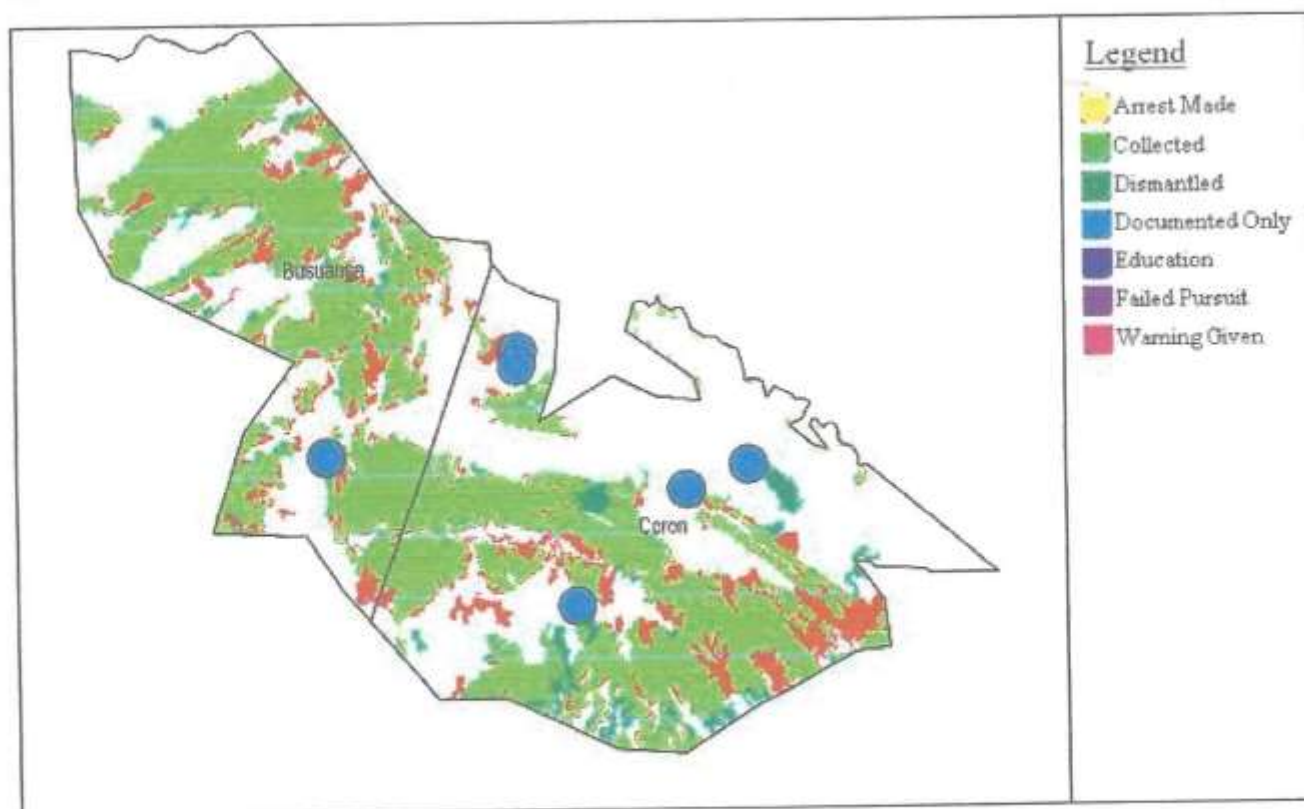
Location of observed threats



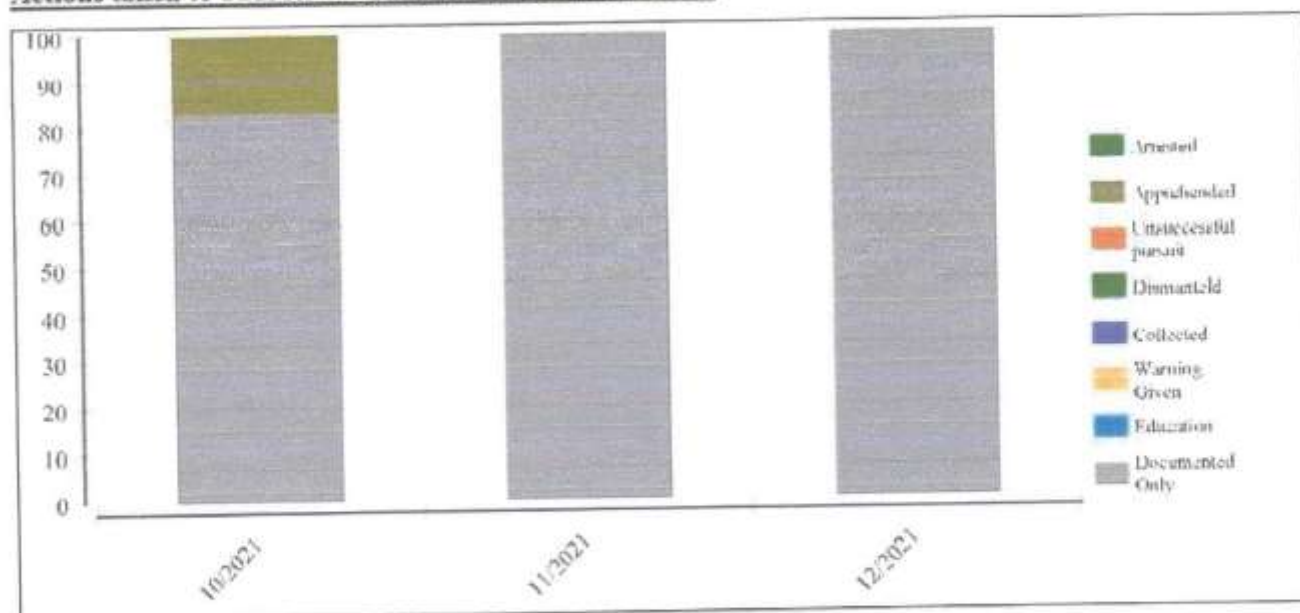
Locations and urgency of responses needed



Locations of actions taken to address threats



Actions taken to address observed threats during patrols



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