



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 CY 2021**


DOCUMENTS
ATTACHED : BPRMO Report on Lawin Accomplishment

DATE : 16 DEC 2021

Respectfully forwarded is the report of the BPR Management Office for CY 2021 Lawin Monitoring and Patrolling Accomplishments. Based on the report, the BPRMO patrolled a total of 371.86 km or 103.29% of their annual target as per BRPMO's Lawin Patrol Plan CY 2021.

For the Regional Executive Director's information and record.




ARNOLDO A. BLAZA, JR.
/ CENR Officer



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Forest Management Bureau
BPR MANAGEMENT OFFICE
RELEASED

MEMORANDUM

FOR : The CENR Officer
CENRO Calamianes Islands
Coron, Palawan

Date: 12.15.2021
By: *h* pp 11/52/9
Ref. Code: LA0182

FROM : The Officer-In-Charge, BPR Management Office

SUBJECT : **REPORT ON LAWIN MONITORING AND PATROLLING
ACTIVITIES OF BPR MANAGEMENT OFFICE WITHIN THE
FOREST CONSERVATION AREA (FCA) OF BPR FOR CY 2021**

DOCUMENTS

ATTACHED : BPRMO SMART-generated report;

DATE : 115 DEC 2021

Respectfully submitted is the detailed report of the Busuanga Pasture Reserve Management Office (BPRMO) on the over all results of the Lawin monitoring and patrolling conducted within the Forest Conservation Area of BPR for CY 2021.

I. Remarks

The target distance for the whole CY 2021 is 360 (km) based on the BPRMO Lawin Patrol Plans from 1st to 4th Quarter of 2021. Based on the results, the BPRMO Patrol Teams were able to traverse an aggregate distance of 371.86 km or 103.29% (Table 1).

Table 1. BPRMO LAWIN monitoring and patrolling accomplishment for CY 2021

Year	Target (Km)*	Accomplishment (Km)	Difference (Km)	Accomplishment (%)
2021	360	371.86	11.86	103.29

*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 1,844 Forest Condition Counts (FCCs) recorded during the whole year of patrolling. Early Secondary Forest (ESF) appears to have the highest figure recorded with 678 counts or 37%, while Old Growth Forest has least count with 25 or 1%. The remaining forest conditions such as: Open, Uncultivated (OUC), Open, Cultivated (OC), and Advance Secondary Forest (ASF) have corresponding total figures of 515 (28%), 362 (20%), and 264 (14%), respectively. Based on the SMART analysis, the total FC with good condition has a total count of 967 or 52.44%; this includes OGF, ASF and ESF. The OUC count appears to be high but this is due to teams traversing large grassland areas which is a natural feature of

BPR while conducting the patrol. Nonetheless, it is safe to say that forest covers within the BPR are still in good condition.

Table 2. Patrol Observation: Forest Condition Counts

Forest Condition											
OGF		ASF		ESF		OUC		OC		Total	
Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
25	1	264	14	678	37	515	28	362	20	1844	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, 968 FCCs or 52% of the total FCC were recorded with presence of natural regenerants while 876 FCCs or 48% with absence of natural regenerants. There were twenty-five (25) recorded dense natural regenerants or 1%, while three hundred fifteen (315) FCCs or 17% and six hundred ninety-eight (628) or 34% are recorded as moderate and sparse natural regenerants, respectively (Table 3.) Based on the statistics, we concluded that the FCA covered by BPR is recovering from degradation.

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	%
25	1	315	17	628	34	968	52	876	48	1844	100

Table 4 shows the observed and recorded threats within the FCA of BPR. A total of fifty-eight (58) threats were observed and recorded during the Lawin patrolling for the whole year of 2021. Likewise, Slash and burn Farming or kaingin was marked the highest documented/recorded threats with twenty-eight (28) counts, followed by hut/house/infrastructure with sixteen (16) counts. Cutting of trees was also documented/recorded during the patrol with ten (10) counts. While, Logging trail attributed with two (2) counts and, annual and perennial farming and fire has one (1) count, each.

Table 4. Patrol Observation: Threat Count

Threats						Total
Kaingin	Hut or House and other Infrastructure	Cutting of Trees	Logging Trail	Farming	Fire	
28	16	10	2	1	1	58

As can be gleaned from the map in Annex C, the threats observed in the FCA for CY 2021 were found in Barangays of Guadalupe, Decalachao, Bintuan, San Jose & San Nicolas in Coron, while in the Municipality of Busuanga are Barangays of Sagrada, Sto. Niño, Bogtong, Old Busuanga, San Rafael, New Busuanga & Quezon. The lowest monthly threat index of 0.00 threats per kilometer (T/Km) were recorded in the months of June, July and August 2021 no treats were recorded/observed during patrol, while the highest is on February 2021 at 0.74 T/Km. The threat index at the end of the year is 0.05 T/Km.

II. Recommendations

1. To intensify conduct of patrolling and LAWIN monitoring within the Forest Conservation Area of BPR to include weekends, if necessary in order to prevent and immediately address any possible threats within the forested areas of BPR especially in the areas subject for illegal activities or hot spot area.
2. Observed unlawful activities in the ground should be thoroughly investigated and documented and filing of appropriate criminal complaints against the offenders pursuant to Presidential Decree No. 705 and other forestry and environmental laws, if so warrant;
3. Seminar/IEC to every barangay recorded with high incidence of unlawful activities within the area covered by the BPR should be conducted 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 accelerate recovery of forest cover. Furthermore, seedlings planted in the past must be tended to ensure survival.

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



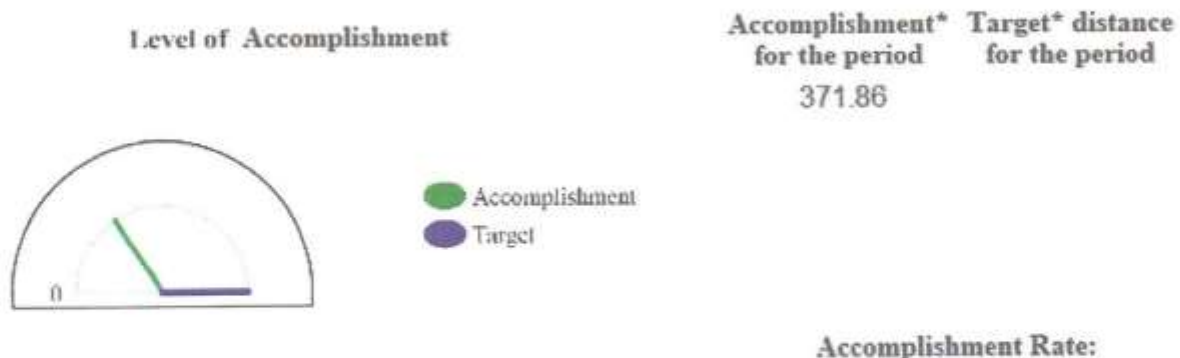
Summary Patrol Report

Region 04B - BPR

Number of days analyzed: 364 Dec 14, 2021 8:49 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.

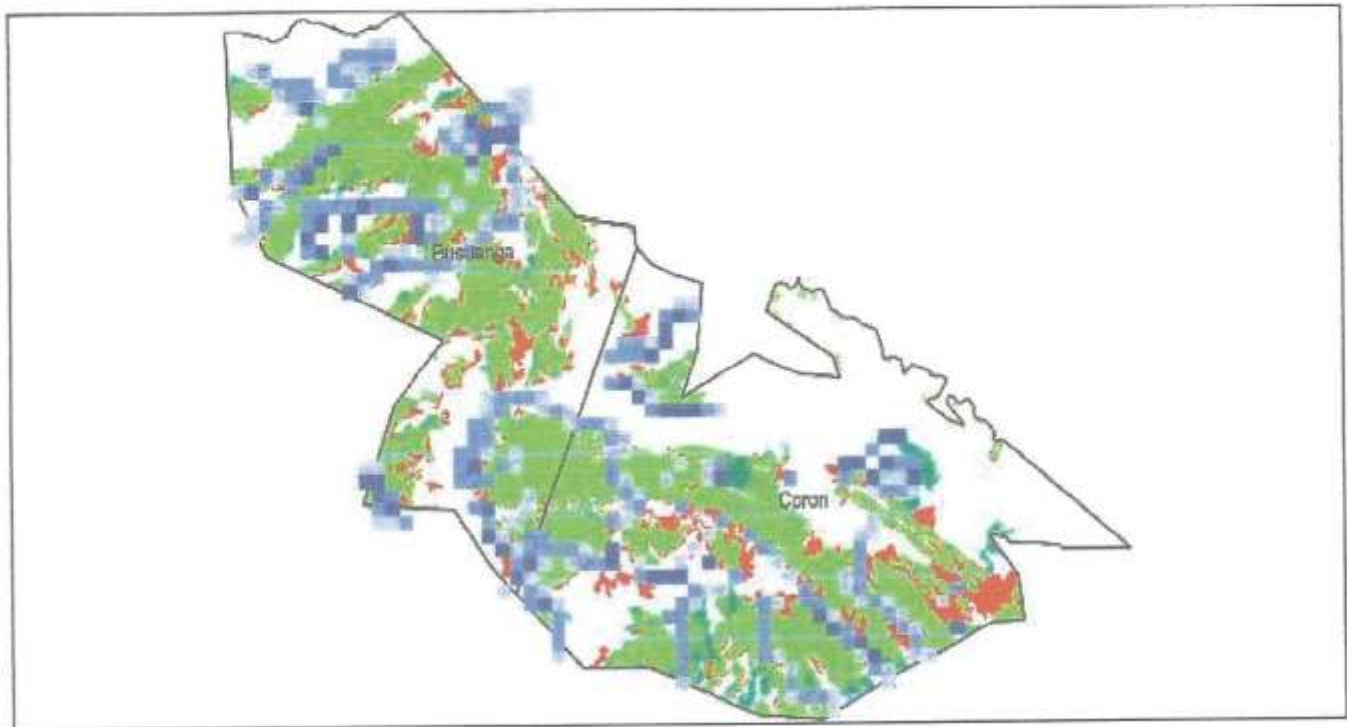
Overall accomplishment rate*



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

* Only Accomplishment for the period were indicted 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
Ibrahem Factuar	203.05
Rommel Gacayan	201.30
Dindo Sarmiento	196.12
Michael Acbang	195.87
Gricilito Lagao	194.46
Archie Agnes	187.07
Roderick Vallejo	186.97
Leonardo Puno	182.16
Jojie Montanez	178.87
Nestor Abaring	82.74
Rovelyn Cruz	79.41
Richard Galagate	28.26
Joy Kristel Degorio	11.21
CENRO BPR	8.87



Forest Protection Effectiveness Report

Region 04B - BPR

Number of days analyzed: 365

Dec 14, 2021 9:05 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



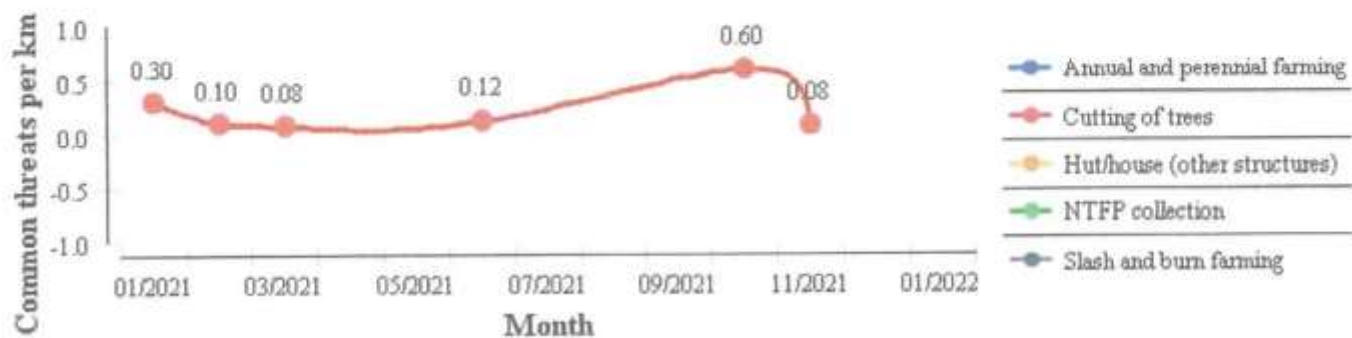
An increasing trend in indicator species in the forest conservation area means effective forest protection; a decreasing trend means the opposite.

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: 365

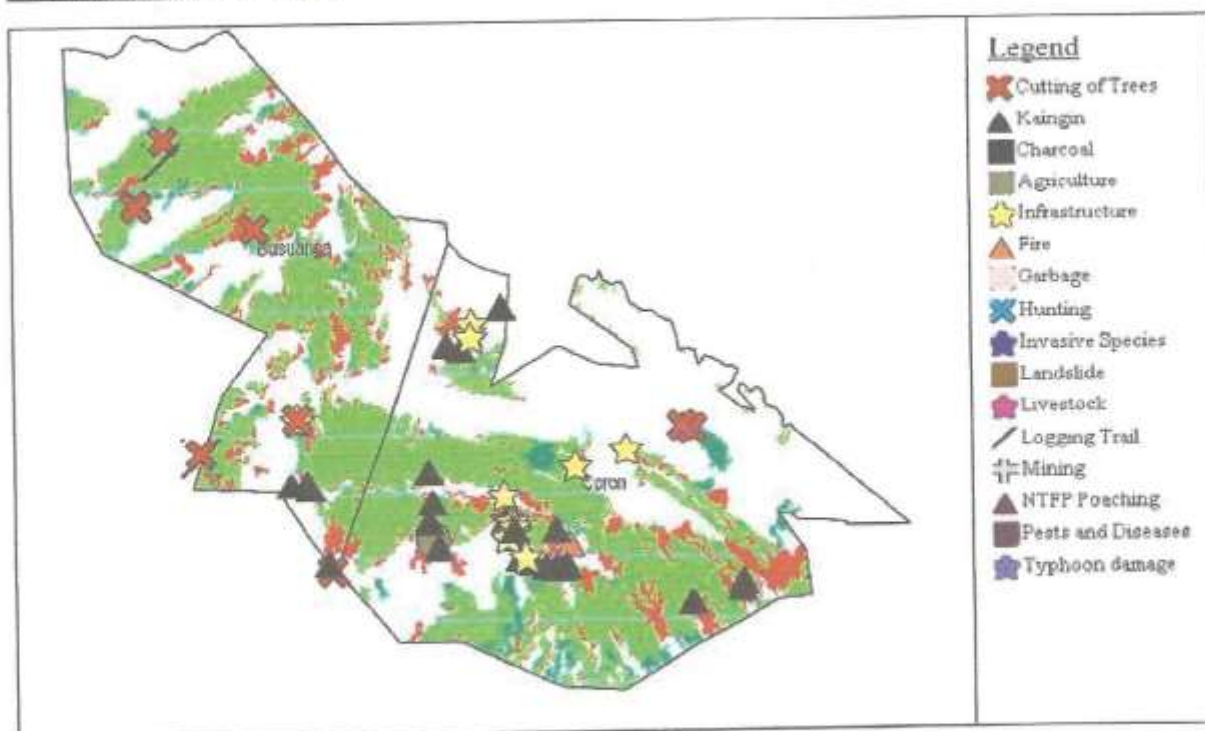
Dec 14, 2021 9:09 PM

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

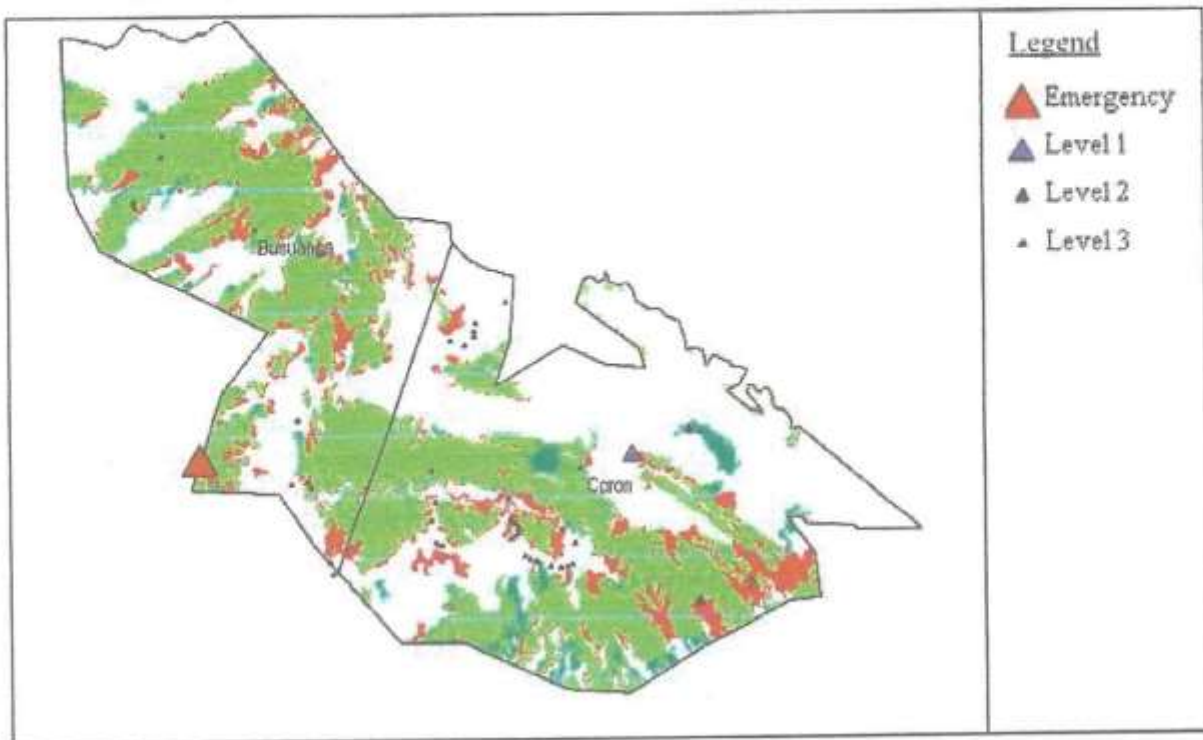
Threats observed and level of response required

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)	28	0	0	1
Hut or House and Other Infrastructure	16	0	1	0
Cutting of Trees	10	1	0	2
Logging Trail	2	0	0	0
Annual and Perennial Farming	1	0	0	0
Fire	1	0	0	0

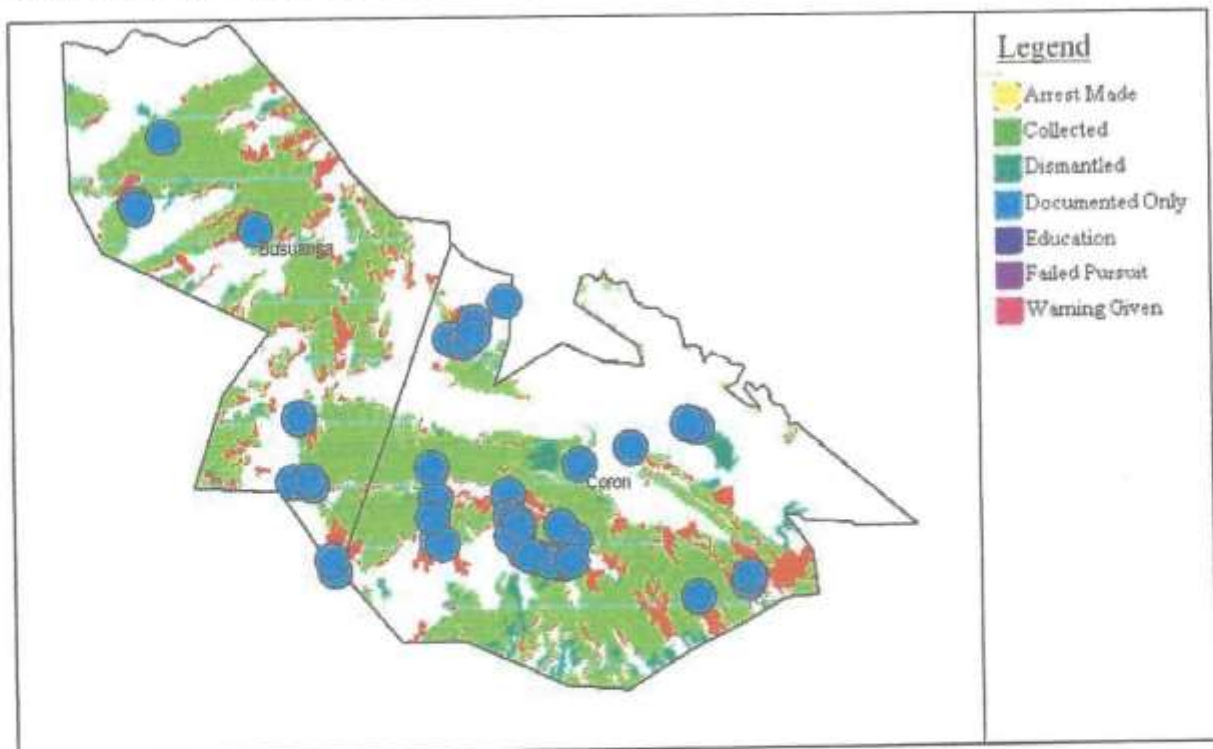
Location of observed threats



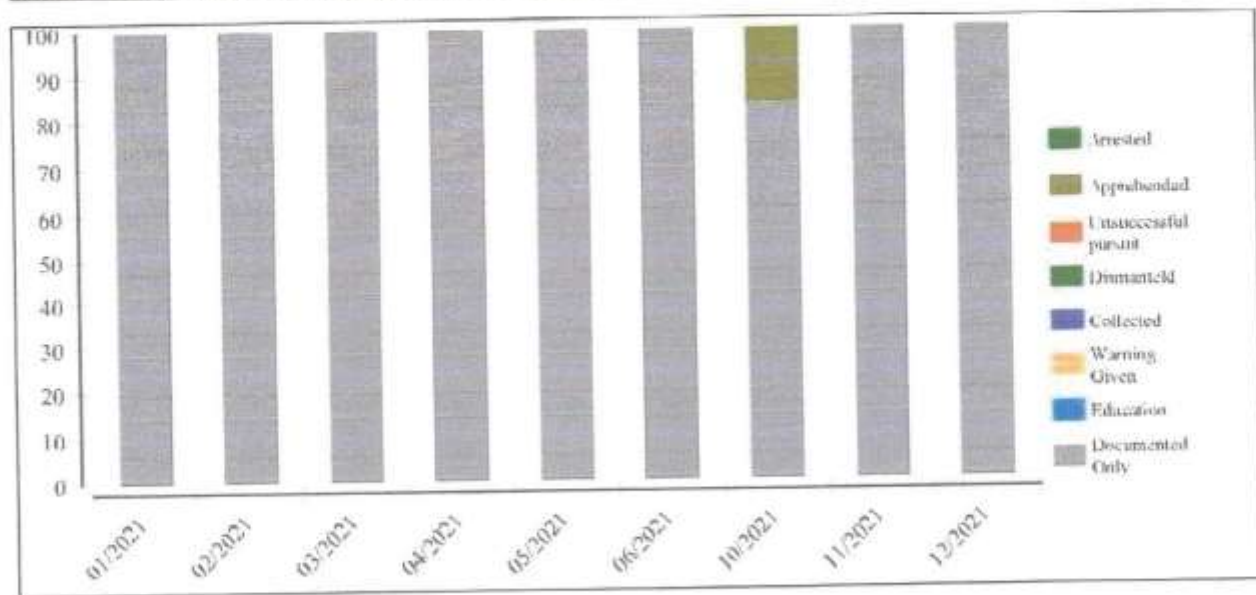
Locations and urgency of responses needed



Locations of actions taken to address threats



Actions taken to address observed threats during patrols



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