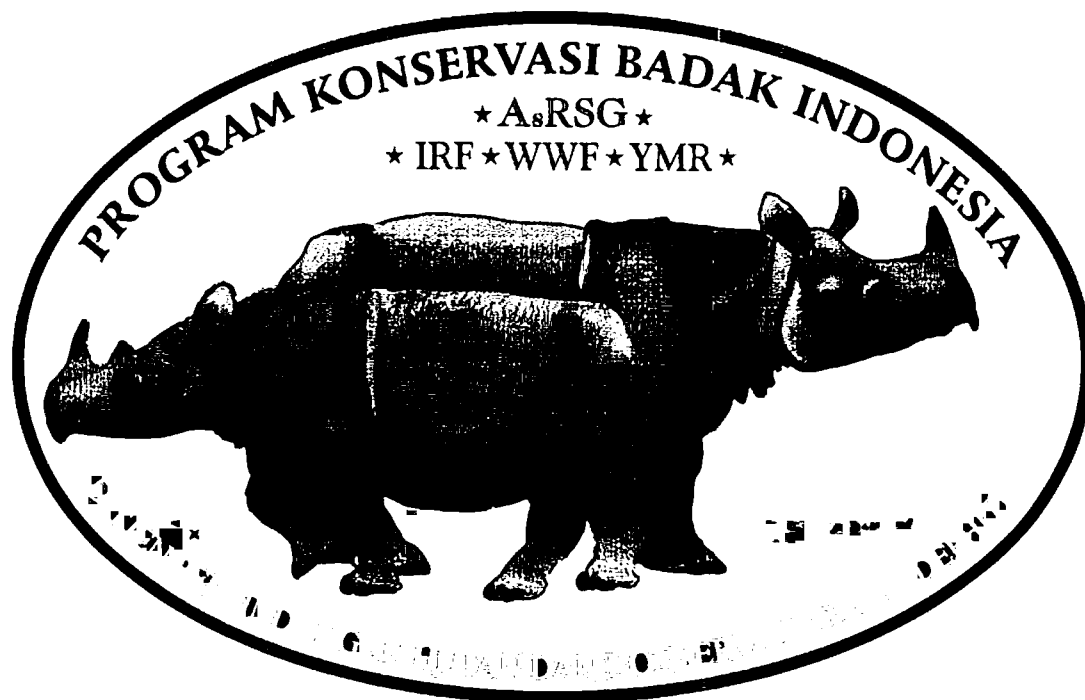


Indonesian Rhino Conservation Program – IRCP Program Konservasi Badak Indonesia - PKBI



ANNUAL REPORT 2001



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Cover picture: A wild Sumatran rhino killed in a snare trap in Bukit Barisan Selatan NP.

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SUMMARY

The decline of the Sumatran and Javan rhino has been going on for a long time. The Javan rhino for example was eliminated from most of its historic range in the 1930's, while the decline of Sumatran rhino was probably 50% during the last decade. The total world population of Sumatran rhino is estimated at about 300 and the species will become extinct in the next decade if there is no appropriate and serious protection and management.

The rhino's decline in South East Asia is due to a combination of reduction in habitat and overexploitation, mostly by poaching for the horn. Even now poaching pressure continues to be high in Indonesia, hence there is a need to emphasize anti-poaching activities in the Rhino Conservation Program in this country.

The rhino is subject to poaching pressure both from hunters with firearms and from trappers who use wire snares and other traps that maim and kill the animals. The decline in range and numbers in Sumatra is attributed chiefly to fragmentation of its habitat through indiscriminate forest clearance and to poaching, stimulated by the illegal trade in horns, hooves and other parts.

The current political and economic condition in Indonesia is causing a sharp increase in habitat conversion for agriculture, also inside the National Parks and conservation areas, increased poaching with firearms, and habitat degeneration through extraction of timber and other products. Several attempts to poach rhino in Bukit Barisan Selatan NP were discovered and two animals were lost to poaching. In the other areas under control of the anti-poaching units no cases of rhino poaching were recorded, but sports and meat hunting is increasing, often by or with assistance of the police or military. In general the conservation situation for the Sumatran Rhino has not improved in 2001.

The Bornean subspecies of the Sumatran rhino is presumably extinct in the Indonesian part of Borneo, though occasional unconfirmed reports of rhinos in some remote parts of this vast territory are received.

The Indonesian Rhino Conservation Program (IRCP) [*Program Konservasi Badak Indonesia (PKBI)*] integrates governmental and non-governmental partners: the Directorate General of Protection of Forest and Nature Conservation (PHKA), Ministry of Forestry, International Rhino Foundation (IRF), World Wide Fund for Nature - Indonesia (WWF-I) and Yayasan Mitra Rhino (YMR). The IRCP is a continuation of the UNDP/GEF program "Conservation Strategy for Rhinoceros in South East Asia" that started in April 1995.

The program entails a series of approaches that include: (a) wild population protection by intensive patrolling of areas to detect traps and arrest intruders; (b) more intensive surveys and monitoring of the rhino populations throughout the core rhino areas; (c) intelligence operations to assist in the apprehension of poachers and to identify the routes used for the horn trade; and, (c) establishment of a rhino database system using Geographic Information System (GIS) techniques.

The 3rd year of implementation under the IRCP (*the 6th year since the start of the RPU program under the GEF project*) the field teams encountered many cases of illegal hunting in Way Kambas and Bukit Barisan Selatan National Park, and several skeletons, including elephants, of poached animals were found. In Bukit Barisan Selatan a rhino skeleton was found of a rhino that was estimated to have been killed by poachers in April 2001. In April 2001 another rhino was found in a wire snare that was still alive, but died soon afterwards because of dehydration and stress.

Poaching of rhino is clearly increasing in BBS, both by local hunters and by 'professional' rhino hunters from central Sumatra.

In Way Kambas, though no poaching specifically targeting rhino was found, poaching for other species has increased, especially for deer, often involving personnel from the law-enforcement agencies. The presence of poachers with firearms in the National parks is a matter of concern since the poachers will not hesitate to kill any animal that they happen to encounter. In October 2001 one RPU was seriously injured by a gun shot in an exchange of fire with a group of armed poachers.

Continuation and strengthening of the RPU program is the only way to prevent the extinction of the Sumatran rhino in Sumatra, as the location of the few remaining populations are well known to the rhino poachers and the risks of being seriously punished for wildlife poaching are negligible in the current political climate in Indonesia. Rhino poachers from the Tapan area in Northern Bengkulu, who previously eliminated the rhinos in most of Kerinci Seblat NP, are now travelling all over Sumatra to look for poaching opportunities, and they have been active in Gunung Leuser and Bukit Barisan Selatan. That they have not been active in Way Kambas is probably related to the flatness of the area, making it less suitable for the type of rhino traps used by the Tapan hunters.

The involvement of a large number of field personnel makes the IRCP program very costly, and currently the costs for the RPU protection program are over \$ 1500 per year per rhino. The financial sustainability of the Program is a matter of continuing concern as it cannot be foreseen when the rhinos will be safe in the wild without such intensive protection. The development of a sustainable funding plan through ecotourism has been delayed by the uncertain economic and political climate in Indonesia and elsewhere. Full funding from overseas donors will be needed for the foreseeable future.

INDONESIAN RHINO CONSERVATION PROGRAM (IRCP/PKBI)

Objectives

The objective of the cooperation between the Directorate General of Forest Protection and Nature Conservation (Now Directorate General of Protection and Nature Conservation), International Rhino Foundation, World Wide Fund for Nature, Yayasan Mitra Rhino, and Asian Rhino Specialist Group is to contribute to the long-term viable conservation and management of Indonesian rhinos (the Javan rhino – *Rhinoceros sondaicus*, and the Sumatran rhino – *Dicerorhinus sumatrensis*) and their habitats in Java and Sumatra through collaboration and coordination for planning, funding, administration and implementation of Rhino Conservation Programs.

The Indonesian Rhino Conservation Program (IRCP) (*Program Konservasi Badak Indonesia (PKBI)*) aims to enhance the capabilities of the Directorate General of Protection and Nature Conservation and associated wildlife agencies to arrest and reverse the decline of rhinoceros due to poacher activity and habitat disturbance toward the national and global goal of recovery of viable populations of rhino species in Indonesia. The IRCP is a continuation, with private funding through the NGO partners, of the UNDP/GEF program "Conservation Strategy for Rhinoceros in South East Asia" that started in April 1995.

Background

A population and Habitat Analysis conducted in November 1993 in conjunction with the IUCN SSC Asian Rhino Specialist Group (AsRSG) and Conservation Breeding Specialist Group (CBSG) revealed a significant decline in the numbers of Sumatran rhino in Indonesia. The estimates that emerged from the new data and more rigorous assessment was 215 – 319. Meanwhile, the previous estimate had been 420 – 875. The GEF project estimated, based on the assessment of total range and a summation of estimated local rhino numbers, that until June 1998 the population of Sumatran rhino in Kerinci Seblat National Park was 27 – 32, in Bukit Barisan Selatan National Park 28 – 40, and in Way Kambas National Park 15 – 24.

Although the Javan rhino population in Ujung Kulon National Park seems to be holding at about 50 – 60, the threat of poaching still remains. The loss of rhino has become a matter of global concern. In 1994, at least one rhino was poached in Ujung Kulon and a suspect has been identified but was not prosecuted. In 2001 two Sumatran rhinos were lost to poaching in Bukit Barisan Selatan.

Saving the remaining population needs further alternatives. There should be a series of efforts to protect the remaining population by activating rhino patrols and strengthening anti-poaching activities, until poacher activity is reduced to the point of elimination and habitat destruction has stopped.

Outputs

The IRCP provides protection from poaching and habitat disturbance for viable nucleus populations of Sumatran and Javan Rhinos through the establishment and operation of Rhino Protection Units (RPUs), and supporting management, coordination and supervisory structures. The IRCP operates 18 Patrol Units: around Kerinci Seblat National Park (TNKS - 3 RPUs), Bukit Barisan Selatan

National Park (TNBBS - 6 RPUs and 2 Tiger Protection Units), Way Kambas National Park (TNWK - 4 RPUs). In Ujung Kulon National Park (TNUK) the IRCP operates 3 RPUs.

The units were formed through selective recruitment and training. Each unit consists of 4 or 5 persons, with a qualified Wildlife Ranger (*POLHUT*) leading each team. The other members are recruited from the communities living around the rhino areas.

Progress

Poaching pressure on Sumatran rhino in Bukit Barisan Selatan National Park in the Year of 2001 has increased sharply. In April the RPU discovered a young male rhino trapped in a wire snare that died one day later. Later the RPUs encountered many more traps spread around the rhino habitat. Poaching for rhino was not reported in Way Kambas and Kerinci Seblat National Park, but poaching for deer is increasing in Way Kambas and it is difficult to interdict because of the involvement of police and military personnel. This type of poaching becomes more serious and the poachers do not hesitate to shoot at the RPU personnel in the field. Poaching for Sumatran tiger in Kerinci Seblat need more attention. Tiger poaching is increasing for a several reasons, to prevent predation on man and his livestock, or to fulfill the demand of tiger's skin and other part. Tiger skins are still considered a prestige gift in upper class society and business.

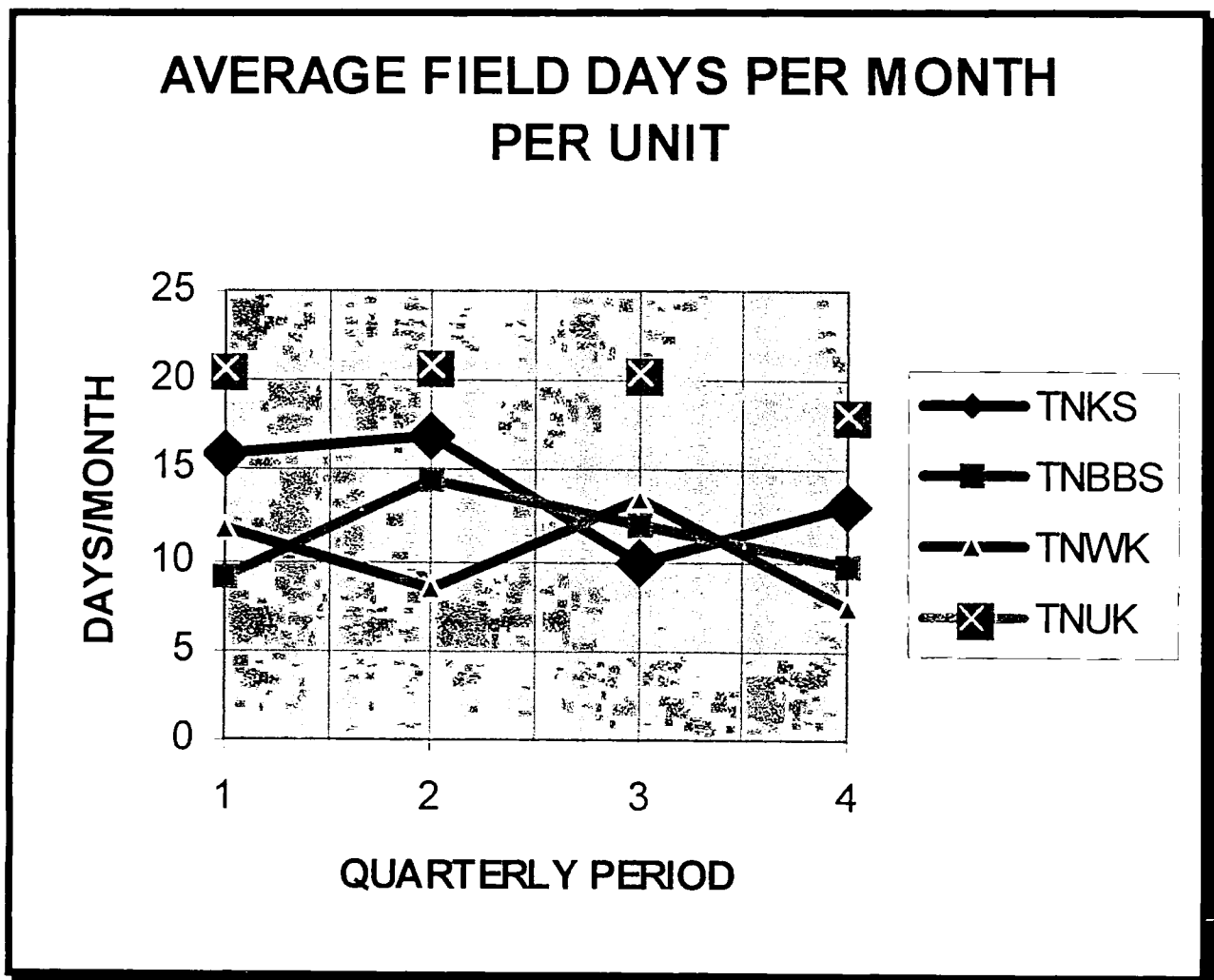


Figure 1

Field activities increased and concentrated on high priority areas where the rhino density is high and the threat from poaching more serious. The PRUs had to reduce their attention for other illegal activities, since in the current political climate no serious follow-up from the authorities can be expected, and public sentiment will result in attacks on the RPU members, their family and property. The activities of RPU/RMPU during surveys and patrols expressed in the number of surveys, the distance walked and the duration of the field activities are tabulated below.

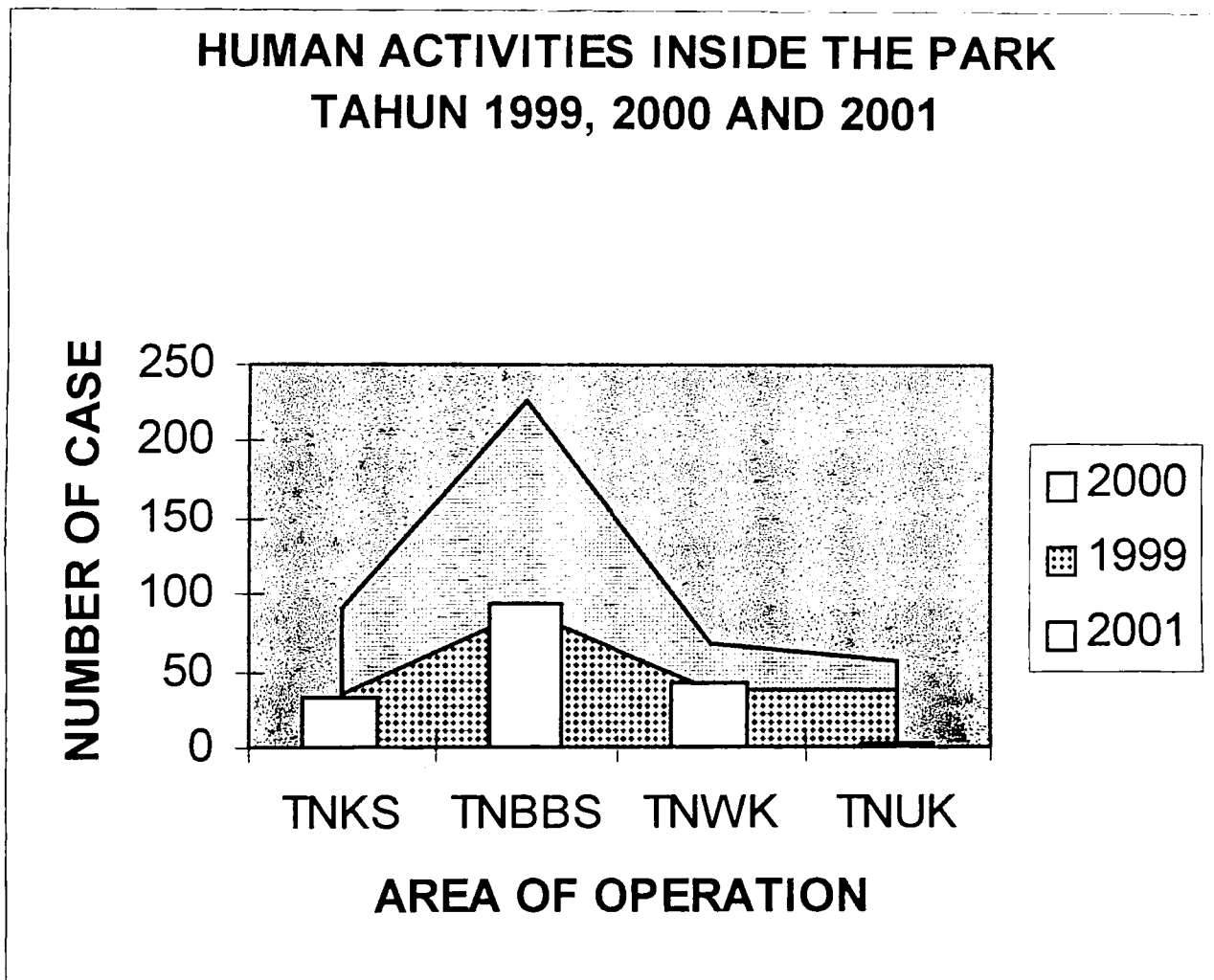


Figure 2

Conclusions

In year of 2001 the number of field days per month of every unit of RPU has in general been below the target of 20 field days per month per unit except RPU Ujung Kulon National Park (See figure 1). The Ujung Kulon RPUs operate often by making day patrols from a guardpost and therefore it is easier to make more days in the field. The figures for Way Kambas are low because most patrols encounter people inside the Park that have to be escorted out to the Park HQ, therewith shortening the duration of the patrol.

During the surveys and patrols the program encountered many cases of illegal activities in the National Parks and the rhino conservation areas. The frequency of illegal activities in all conservation areas in general has decreased. (See figure 2)

Way Kambas National Park. Gaharu theft was still the major problem in Way Kambas National Park. Gaharu is an aromatic wood removed from a felled tree. It is feared that the people will get more interested in the rhino if there is no more gaharu in Way Kambas. Gaharu collection is concentrated in the region around the SRS (*Sumatran Rhino Sanctuary*) and near Plang Ijo. This year the number of gaharu theft cases encountered was lower than in the year of 2000.

There were no cases of rhino poaching, but deer poaching is a serious danger for the rhinos as they could be killed or wounded accidentally. The number of cases of deer hunting inside the park areas indicates that the park has become a "sport hunting area" for local business man and military personnel (see the table below).

Date	Remarks	Location	Action Taken
04 Feb	Encounter 3 wild pig poachers with 4 bicycles and a dead wild pig (<i>Sus scrofa</i>).	Air Putih - Wako	
04 Feb	Poaching for wild pig	Probolinggo	
15 Feb	Arrest 3 suspects of wild pig poaching.	Gambas R1	Handed over to BTNWK.
15 Feb	Arrest 3 of 8 suspects of wild pig poaching.	Susukan Baru	
13 May	Encounter a group of poachers.		Poachers run away.
15 Sept	Meet 6 suspects of poaching.	Mr. Nuary's Residence	
12 Sept	Arrest 2 suspects of poaching inside the National Park area. Both are police personnel of District Police (Polda) of Bandar Lampung.	Route of Way Pies	
27 Sept	Encounter poachers	Gambas	Poachers run away
18 Oct	Encounter trap for other large mammals (deer or wild pig).	Tegal Yoso	Trap destroyed
28 Oct	Shooting of RPU personnel	Camp D2	
29 Nov	Fresh traces of mouse deer slaughtered by poacher.	Pos Kali Biru	

On October 28, 2001 an RPU member, Mr. Suparmin, was shot in the leg by poachers.



Figure 3

Mr. Suparmin in the local hospital (Fig. 3) after being shot by a poacher. The wound where the bullet left the leg (Fig. 4) is wider than the wound where the bullet came in (Fig. 5).



Figure 4



Figure 5

Illegal fishing occurred in the Wako and Kali Batin rivers. A case of fishing poisoning occurred in the Kali Batin river. Park personnel appear to be involved in illegal fishing since some of the arrested suspects admitted that they had to pay to the guards for a 'fishing permit'.

Bukit Barisan Selatan National Park. Timber theft and forest conversion into land for agriculture was the major case for destruction in Bukit Barisan Selatan National Park. In the year 2000 this was reported more frequently than in 1999 and 2001. RPUs often encountered processed wood in various size and number (see the tabel below). The forest is mainly converted into coffee plantation and rice fields. Although poaching is the most immediate threat to the rhino, encroachment remains the biggest long-term threat to the park as rhino habitat. The rhino become more endangered by fragmentation of its habitat through indiscriminate forest clearance and forest conversion into agricultural land.

Date	Timber encountered (size and number)	Location	Action Taken
09 Feb	Processed wood (7 x 14 x 400 cm) 7 pieces or about 0.27 M3.	Pemerihan	Destroyed
12 Feb	Processed wood (8 x 20 x 400 cm) 24 pieces, and (10 x 20 x 400 cm) 10 pieces.	Way Pemerihan	Destroyed
13 Feb	Processed wood 20 x 20 x 400 cm 29 pieces.	Way Pemerihan	Destroyed
21 Feb	Processed wood (25 x 25 x 400 cm) 10 pieces, (40 x 25 x 400 cm) 4 pieces, and (12 x 12 x 400 cm) 9 pieces.		Destroyed
26 Feb	Processed wood (Kelumpang) 8 x 12 x 400 cm, 5 pieces.		

Date	Timber encountered (size and number)	Location	Action Taken
28 Apr	Processed wood (Cempaka) 3 x 30 x 200 cm, 19 pieces.	Hulu Way Bambang	Doc.
30 June	Processed wood (Kruing) 14 x 14 x 250 cm, 26 pieces.	Kuyung Arang	Observation
12 July	Processed wood (Meranti) 1.9 M3	Simpang Duren	
25 July	Oil wood (4.55 M3, 6 x 15 x 600 cm) and (45 pieces, 15 x 15 x 400 cm).	Sipang Kongki Pintau	
28 July	Processed wood 12 x 15 x 400 cm 28 pieces, 6 x 15 x 400 cm 56 pieces.	Protected Area (Ujung Berung)	Doc.
28 July	Processed wood 12 x 15 x 400 cm 8 pieces (1 m3), 6 x 15 x 400 cm 9 pieces.	Protected Area (Ujung Berung)	Doc.
12 Aug	Processed wood (Balam Sawo) 11 x 7 x 400 cm 30 pieces.	Asahan	Destroyed
06 Sep	Processed wood 8 x 12 x 400 cm 4 pieces. Suspects run away.	Hulu Way Pemerihan	Destroyed
23 Oct	Processed wood (Meranti) 8 x 12 x 400 cm 47 pieces, 7 x 14 x 400 cm 10 pieces, 6 x 6 x 400 cm 20 pieces and 2.5 x 2.5 x 400 cm 65 pieces.	Krengseng Mendati	Report to Sub Seksi Krui

Rhino poaching in this year increased sharply and a large number of rhino traps made of steel wire were found. A young male rhino was caught in a trap in Way Bambang (See figures 6 & 7 below).



Figure 6: Young male Sumatran rhino killed in a snare trap.



Figure 7: The foot of the trapped rhino

In 2001 rhino traps and other signs of rhino poaching were found in 17 locations (see *table below*).

Date	Remarks	Age	Location	Action Taken
21 Apr	Young male rhino trapped	0	Hulu Way Bambang	Securement
27 Apr	Rhino trap (wire snare), length 2 M and diameter 9 mm. Trigger plastic (180 cm x 5 mm). Hole 40 x 60 cm, diameter hole cover 3.5 cm.	< 6 month	Hulu Way Bambang	Destroyed
27 Apr	Rhino trap (wire snare), length 2 M and diameter 9 mm. Trigger plastic (180 cm x 5 mm). The trap still active.	<1 month	Hulu Way Bambang	Destroyed
28 Apr	Rhino trap (wire snare), length 2 M and diameter 9 mm. Trigger plastic (180 cm x 5 mm). The trap still active.	<1 month	Way Bambang	Destroyed
8 May	Shelter of rhino poacher (2.4 x 2.7 x 2 meters).	< 6 month	Hulu Way Bambang	Destroyed
7 May	Rhino trap (wire snare) length 3.52 meters, nylon string 3.05 meters, trigger 5 meters, hole 60 x 37 x 34 cm.	<1 week	Hulu Way Bambang	Destroyed
19 may	Rhino traps (3 sets) surrounding rhino wallow	<1 month	Hulu Way Bambang	Destroyed
20 May	Rhino trap	<1 month	Hulu Way Bambang	Destroyed
1 Jun	Rhino trap	<1 month	Hulu Way Bambang	Destroyed
16 Jun	Traces of trap setting which was took off by the poacher	<1 year	Hulu Way Bambang	Destroyed
13 Jun	Old snare	> 5 years	Hulu Way Rilau	Destroyed
14 Jun	Rhino trap (snare)	< 1 month	Hulu Way Bambang	Destroyed
15 Sep	Skull and 43 bones of Sumatran rhino presumably poached in April 2001. At the same place, RPU encountered 7 pieces of wood (length 7 meters)	< 1 month	Hulu Way Bambang	Stored in Field Coordinator Office.

Poaching in the park not only targets rhino but also other large mammal such as Sumatran elephant, tiger, deer, etc. (See *table below*).

Date	Remarks	Age	Location	Action Taken
18 Jul	Elephant's skull. RPU finds lower and upper jaws (158 x 44.5 cm and 160 x 46 cm).	>1 year	Grogol (HPT Area)	Documentation

Date	Remarks	Age	Location	Action Taken
14 Aug	headless Elephant corpse presumably shot by poachers with army weapon.	<1 week	KM. 23 - Way Bambang	Evidence secured.
24 Oct	Bones of dead elephant (2 individuals?). RPU find ribs with length 29 and 34 cm.	< 1 year	Grogol	Documentation
02 Mar	Arrest 7 poachers and 2 army weapons (long rifles CIS 22 dan 4.5) and also a dead deer as evidence.	0	Bandar Lampung	Hand over to Balai TNWK.

Kerinci Seblat National Park. Timber theft formed the majority of cases encountered in Kerinci Seblat National Park but the number of cases discovered decrease compared to the years 1999 and 2000. Many illegal chain saw teams were operating inside the park. The RPU Team often discovered sawn timber in various sizes and quantities. See the tabel below.

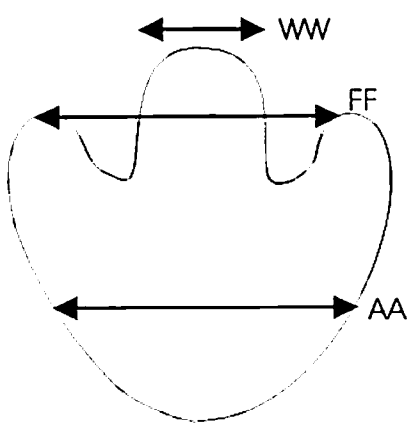
Date	Remarks	Age	Location	Action
12-Jan-01	2 suspects dragging wood (Meranti) in Air Dikit.	0 day	Pondok Baru	sent back home
12-Jan-01	48 or 9 M3 of processed wood.	<1 week	Air Dikit	doc.
10-Feb-01	Processed wood size 25 x 20 x 400 cm 175 pieces. No suspects been found.	<1 week	DAS Air Dikit	Persuasif
10-Feb-01	6 suspects of timber theft.	0 day	Desa Pondok Baru Penarik	sent back home
11-Feb-01	Processed wood size 20 x 25 x 400 cm 86 pieces. No suspects been found.	<1 week	DAS Air Dikit	Persuasif
26-Feb-01	4 unit of timber theft's camp size 3 x 5 meter. Also processed wood 42 pieces.	<1 month	A. Bulu taring	destroy
24-Mar-01	6 suspects of timber theft along with 32 pieces of processed wood (7 m3) and 2 set of Chain saw.	0 day	Lubuk Panjang	sent back home
23-Apr-01	Processed wood 11 pieces (size 25 x 20 cm.)	<1 month	G. Kayu Aro	
24-Apr-01	40 pieces of processed wood (Meranti).	<1 month	S. Bantal Kanan	
27-Jun-01	processed wood 36 pieces size and 25 x 30 cm (Ketuko Meranti).	<1 week	Air Dikit	doc.
27-Jun-01	processed wood 58 pieces size and 25 x 30 cm (Ketuko Meranti).	<1 week	Air Dikit	doc.
17-Jul-01	processed wood (Ketuko/kelukup) 800 pieces size 25 x 30 cm.	<1 day	Sako kanan/kiri	doc.

Poaching targeting other large mammal, especially Sumatran tiger, notably increased compared to the two previous year (1999 and 2000) (See the tabel below).

28-Jan-01	Automatic thrower with diameter 10 centimeters and length 5 meters (hide). No wire snare.	<1 week	Ex Forest Concession (HPH) PT. Bina Samakhta	Destroy
30-Aug-01	Tapir's skeleton trapped by tiger trap.	<1 year		
30-Aug-01	Tapir's skeleton trapped by tiger trap.	<6 months		
30-Aug-01	Encounter skeleton of tapir and traces of tiger that had caught by trap and presumably had carried out by poacher.	<1 week		
30-Aug-01	Traces of 2 tigers trapped and had caught by the poacher.	<6 months		
30-Sep-01	Tiger trap. Unsuccessful to get the hunt.	<1 month	A. Sikai, A. Bantal Kanan	Identification location
11-Dec-01	Tiger trap in active condition.	<1 week	Air Tembulun/Oba	Destroy

Ujung Kulon National Park. The majority of the offences reported were encroachment and hunting and trapping of fish and shrimps, and catching birds with mist nets for the domestic bird trade. Encroachment decreased in the year of 2001.

RHINO STATUS AND DISTRIBUTION



Rhino signs reported by the RPU's, within and around the National Parks, are plotted on a GIS map to identify the priority areas for protection. To estimate the extent of the total rhino area a circle of 5 km diameter is drawn around every point where rhino footprints were found (Circle method). It is assumed that a circle with a 2.5 km radius (~ 20 km²) approximately covers a rhino's home range.

Footprints in good condition so that standard measurements could be made (WW, FF and AA). See figure 10.

The area covered by the combined 5 km circles is the total distribution area of the rhino.

Figure 10: Standard Footprint Measurements

WAY KAMBAS NATIONAL PARK.

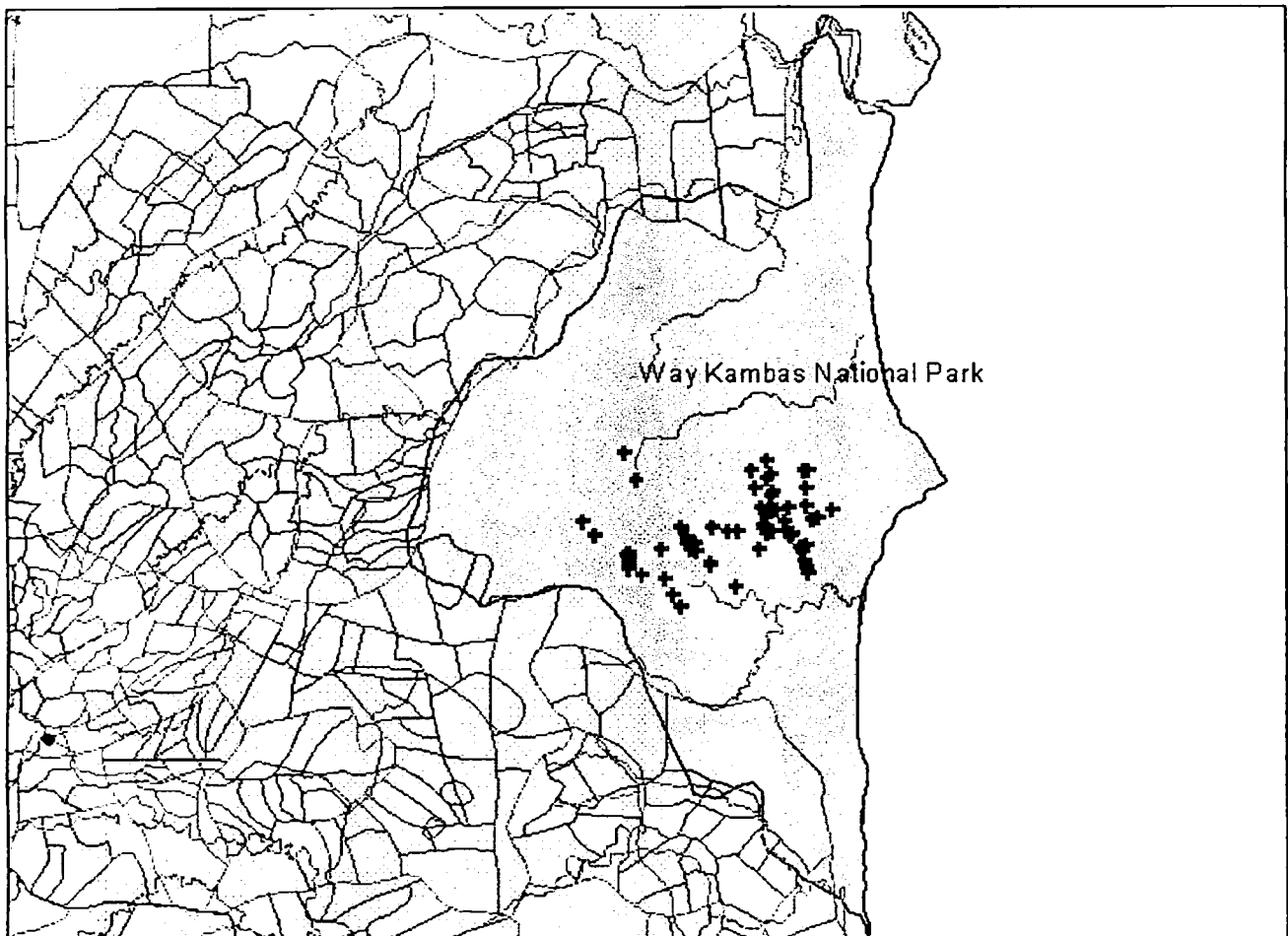


Figure 11: Locations of good rhino footprints in Way Kambas NP, 2001

A large number of rhino footprints were encountered in parts of Way Kambas National Park. Identified areas where rhino footprints were often discovered are: D1, D2, Air Hitam, Air Putih, Way Kanan, Camp 5000, camp Darmaji, Way Kambas, Way Kanan, Rawa Lintas, Way Areng, Gerbang

Tol, Tegal Yoso and Kali Biru. The finding of fresh tracks of an infant and its mother shows that the rhinos are reproducing. (*Way = river; Air = river, Hulu = headwaters, Gunung = mount*)

This year the RPUs had 2 direct sightings of a rhino, but unfortunately no pictures were made. Both rhinos were male.

The RPU encountered 211 rhino footprints in the year 2001. But only 162 were in good condition with the size (WW, FF and AA) clearly measurable and not older than 1 year. These have been selected to represent the rhino distribution in Way Kambas National Park (See figure 11).

The 2001 Rhino Distribution Area in Way Kambas National Park is 288.9 km² (28,891 ha). (See figure 12).

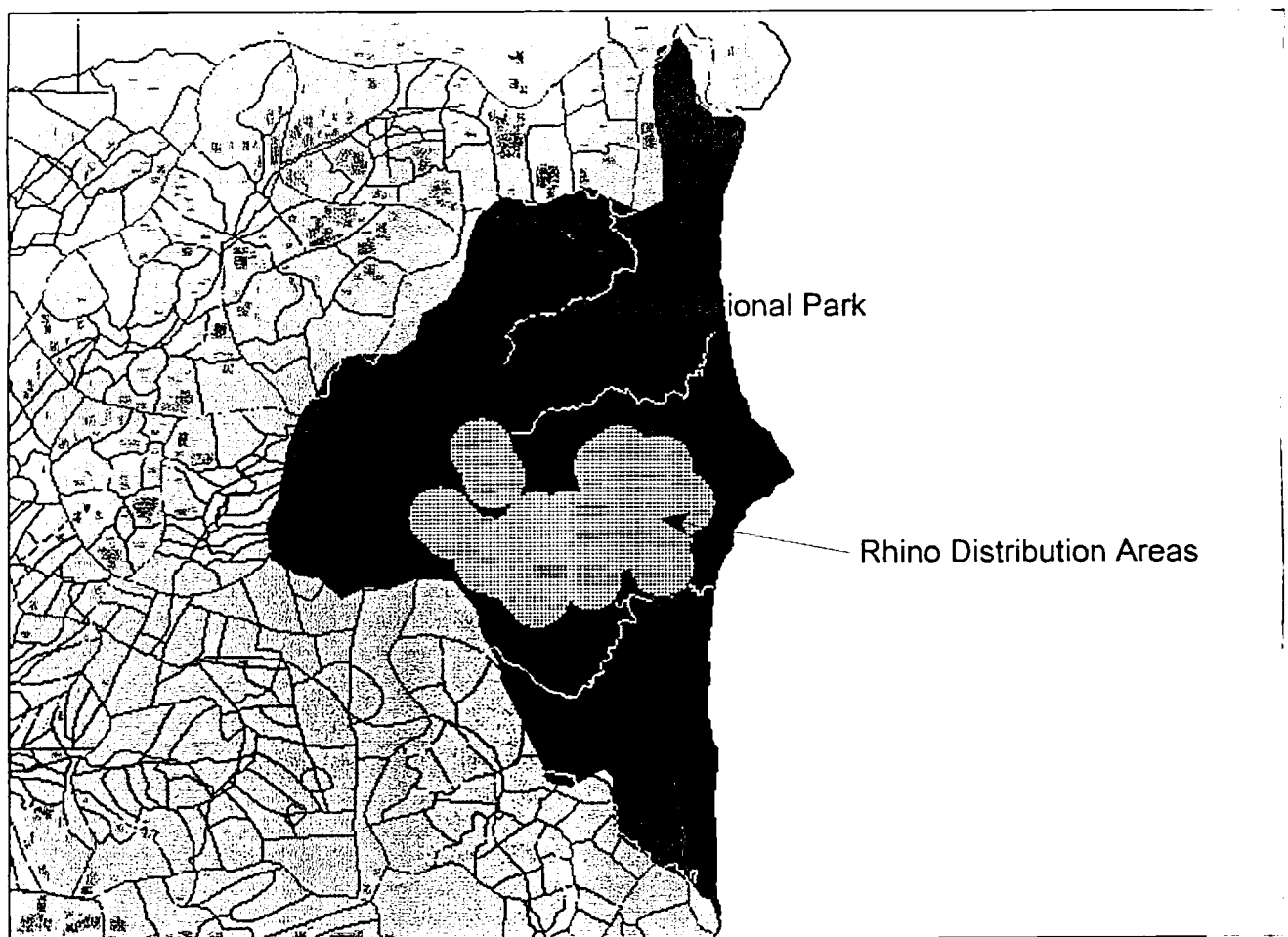


Figure 12; Rhino Distribution Area (28,891 Ha), Way Kambas NP, 2001

BUKIT BARISAN SELATAN NATIONAL PARK.

Historically, in Bukit Barisan Selatan National Park the rhino was distributed throughout the park, but now the range is restricted to a number of locations in the southern part. Rhino sign were found not only deep in the forest but also in disturbed forest and on the edges of coffee plantations.

The rhino population is doing well at present and in some parts of Bukit Barisan Selatan the density is very high with all trails and wallows showing sign of frequent use. However there is a lot of disturbance in the rhino areas, mainly turtle hunting and destructive resin collection. The continued and actually intensifying encroachment will endanger the rhino in the future. The sightings of rhinos in agricultural land and on the edge of the National Park may indicate that the habitat is becoming too restricted for the current population.

In Bukit Barisan Selatan National Park 597 good rhino footprints were recorded in 2001. Many rhino footprints were actually found outside of the National Park areas (See *figure 13*).

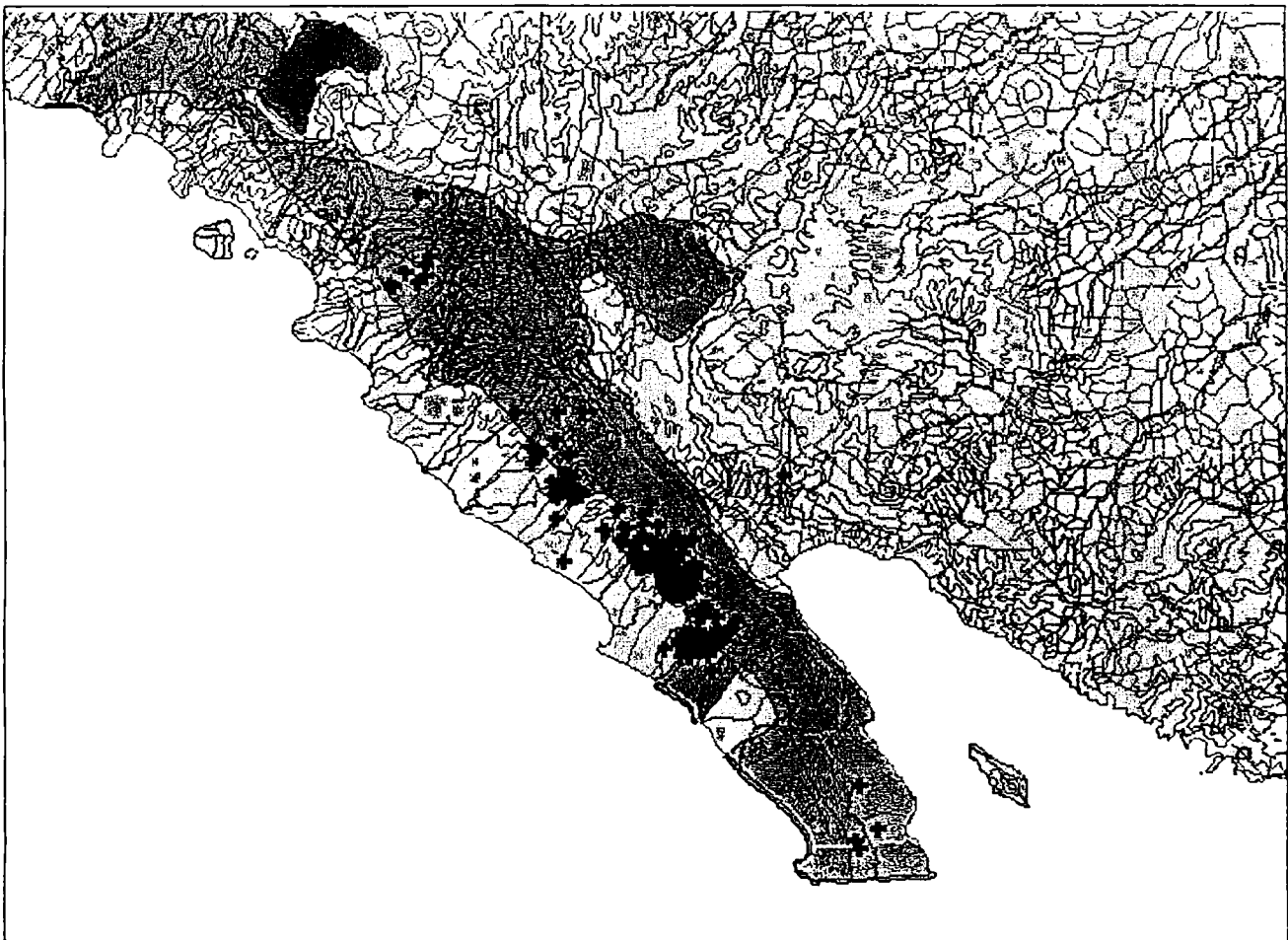


Figure 13: Locations of good rhino footprints in Bukit Barisan Selatan NP, 2001

The total 2001 Rhino Distribution Area is 736.1 km² (73,601 ha), of which approximately one third is located outside the National Park area. (See *figure 14*).

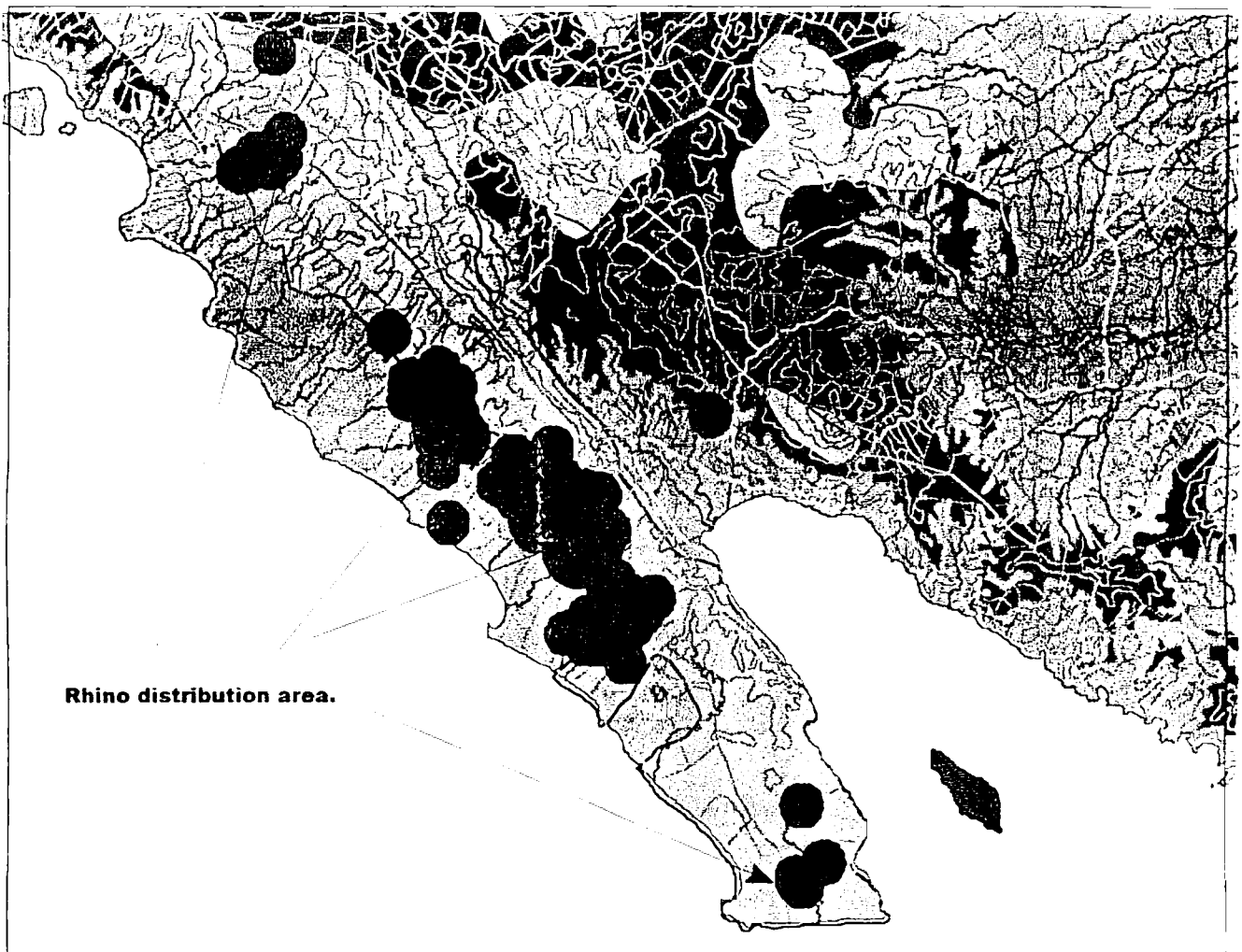


Figure 14: Rhino Distribution Areas (73,609 Ha) Bukit Barisan Selatan NP, 2001

KERINCI SEBLAT NATIONAL PARK.

The RPU's encountered only 30 footprints of Sumatran rhino in the year 2001. They were all fresh (not more than 1 year old) and measurable. Rhino were distributed only around Air Dikit, Bantal Kanan, Air Teramang, Air Ipuh Ilau, and Air Seblat. The rhino population in Kerinci Seblat is divided into three major areas, separated by large rivers. One of the areas lies outside the National Park (See figure 15).

The 2001 Rhino Distribution Area is 169.9 km² (16,985 ha). (See figure 16).

Based on differences in size and distribution of footprints the RPU's estimate in Area I, 2 rhino home ranges (20 footprints), Area II 3 rhino home ranges (6 footprints), and in Area III (outside the NP) 3 home ranges (4 footprints). Based on these assessments the total number of rhinos in Kerinci Seblat NP is estimated to be 8 - 10 animals.

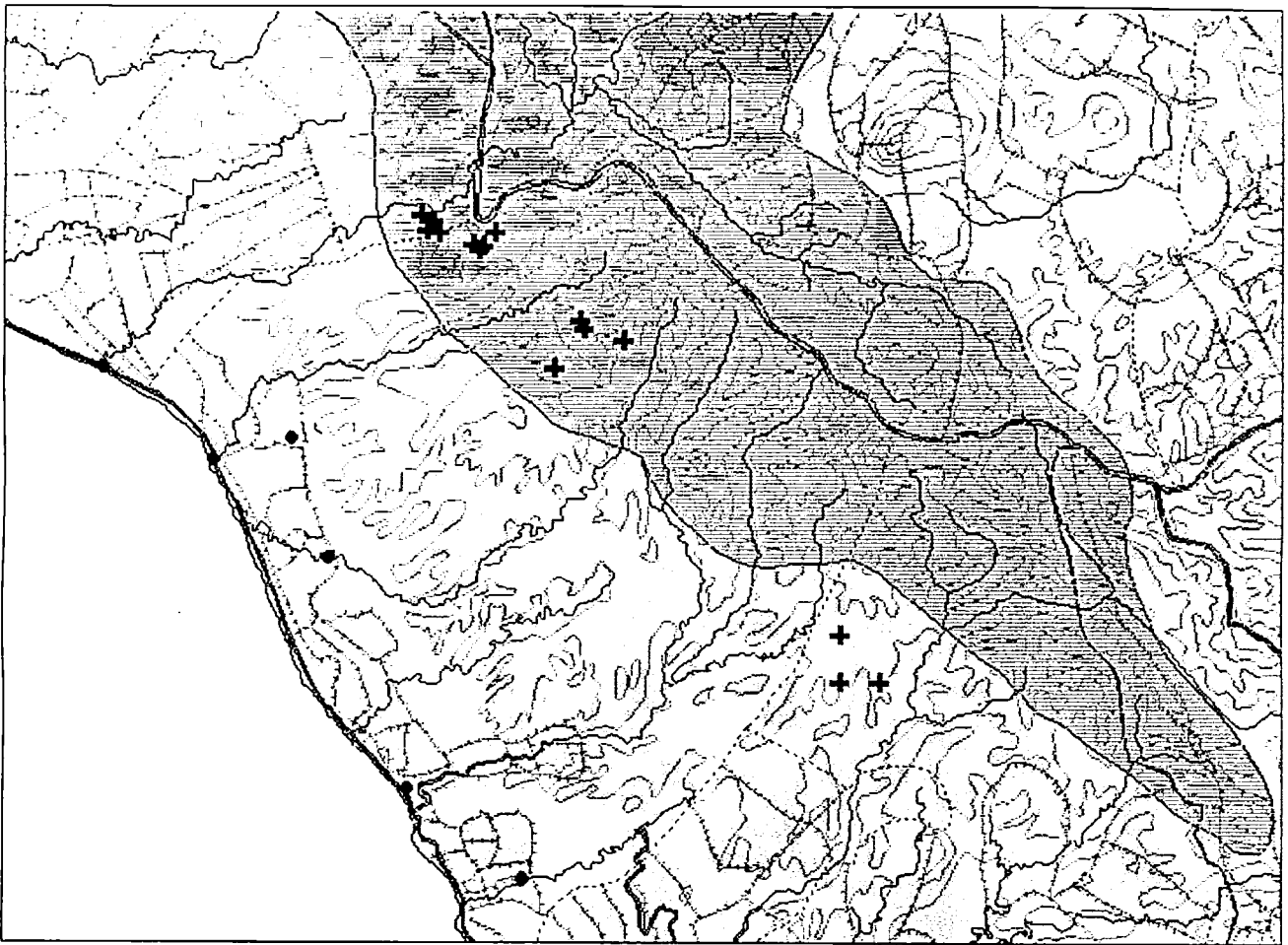


Figure 16: Locations of good rhino footprints in Kerinci Seblat NP, 2001

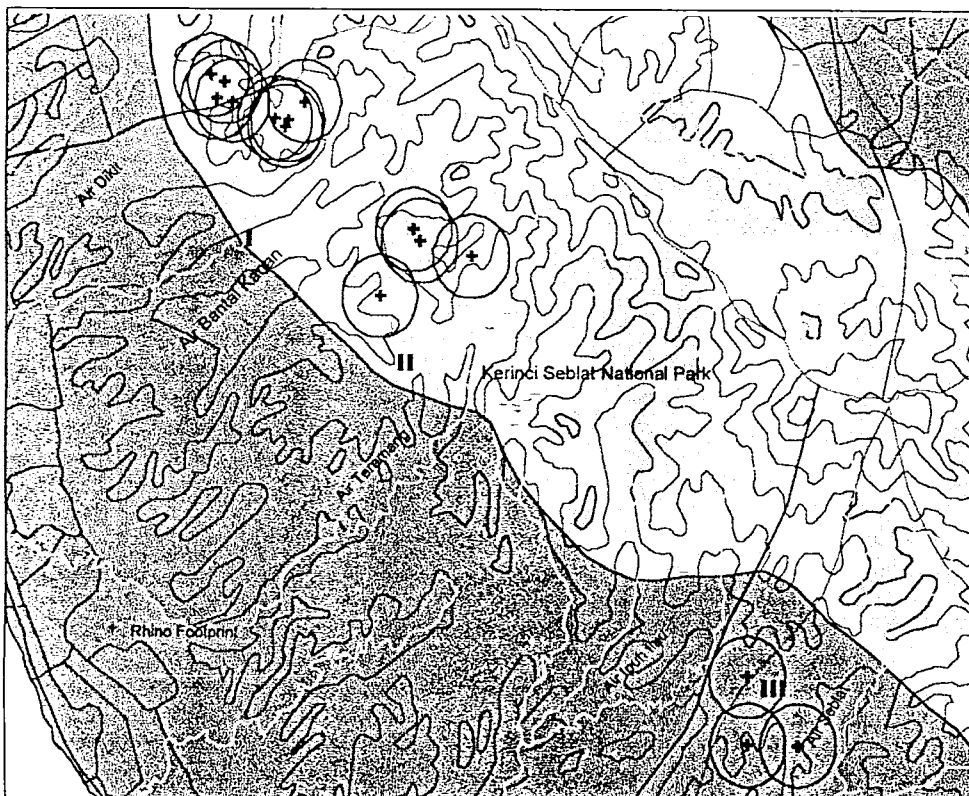


Figure 15: Rhino Distribution Area (16,985 ha) Kerinci Seblat NP, 2001

UJUNG KULON NATIONAL PARK.

The Rhino Protection Units encountered 855 fresh (age ≤ 1 year) and measurable Javan rhino footprints in 2001.

The Javan rhino population is concentrated in 3 major areas; Cikeusik, Cibandawoh, and Cibunar. (See figure 17).

Since there has been no rhino poaching for several years and there are no other outside interferences that potentially could have disturbed the rhino and its habitat, the population should slowly expand, and not be stable as is indicated in the series of population estimates carried out over the last 20 years. The results of the population census indicate that the rhino may have reached carrying capacity, but at a much lower level than 30 years ago. This is reason for concern, since a population of only 50-60 animals is in serious danger of becoming extinct even if there is no poaching or other forms of disturbance.

Possible causes for this lack of growth include reduction of feeding opportunities through the increase of closed canopy forest, the invasive spreading of unpalatable palm species in the under story, and food competition with the Banteng.

A study on food competition between Banteng and Javan rhino in Ujung Kulon National Park is currently being conducted by Yayasan Mitra Rhino (YMR) and WWF – Indonesia.

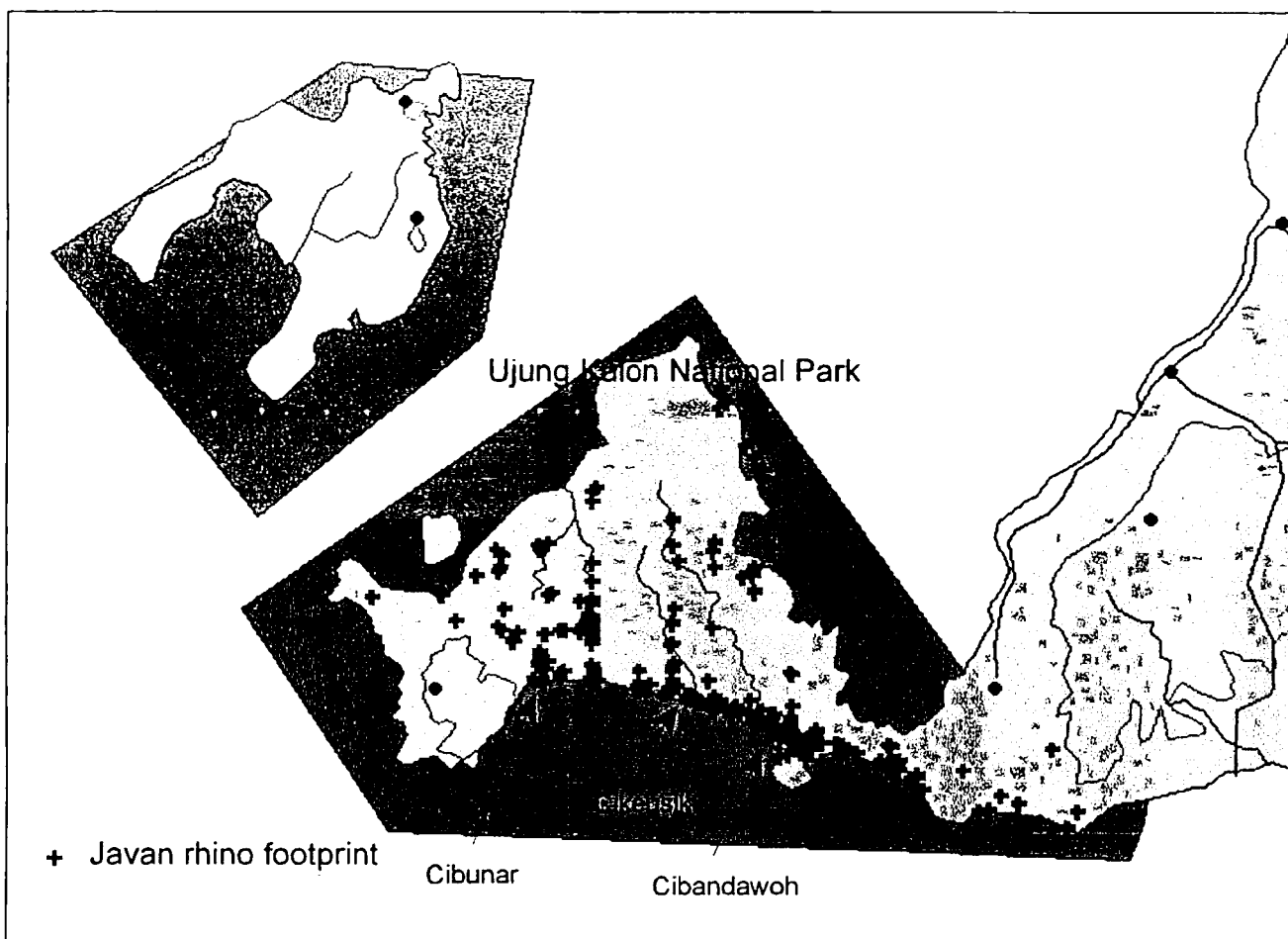


Figure 17: Locations of good footprints and main Javan rhino areas in Ujung Kulon NP, 2001

DIRECT OBSERVATIONS.

The RPU's in Bukit Barisan Selatan NP had 7 direct sightings of the Sumatran rhino (see the table below). This is a good proof of their tracker skills. The observations indicate that rhinos are reproducing.

Sex	Number	Remarks	Longitude	Latitude	Date
female	1	female rhino drinking in the river of Way Ngaras.	104.2584	5.4296	24-Feb-01
	1	12 years old. No picture was made.	104.4119	5.5576	28-Apr-01
	2	rhino wallowing.	104.4697	5.6113	10-May-01
female	1	7 years old.	104.385	5.5265	10-Aug-01
	1	No picture has made.	104.4156	5.5443	26-Aug-01
	1	A rhino approached the Team Camp (2 meters).	104.403	5.632	18-Sep-01
	2	Distance 7 meters. Length of horn 4 and 10 CM (sub-adults)	104.378	5.5257	11-Oct-01

RHINO POPULATION ESTIMATES

The type and number of rhino signs encountered is tabulated in the section BASIC RHINO POPULATION PARAMETERS (p. 26). On page 22 the RHINO DENSITY INDICATORS table attempts to provide crude indicators of rhino density by relating the number of locations where rhino sign were encountered with the activity of the patrols. This is based on the assumption that the number of sign of rhino encountered will be proportional to the activity (field days, distance walked, etc) of the RPU's in a certain area. The numbers in the column Density Indicators - rhino sign per unit of RPU activity - are therefore rough indicators of the relative densities of the rhino between the areas.

The Density Indicators for the three areas with Sumatran rhino show that the relative density of the rhino in Kerinci Seblat NP is much lower than in the other two areas. Those for Ujung Kulon are also lower, but this is most likely not an indication of a low Javan rhino density, but more likely caused by differences in the methods of calculation of field activities of the RMPUs, as the IRCP standards for reporting had not yet been implemented fully in Ujung Kulon.

RHINO DENSITY INDICATORS

Working Area	Density Indicators (see p. 22)		Total Rhino Area (ha)
	A/B Rhinos signs/ 100 days patrol	A/C Rhinos signs/ 1000 km patrol	
Kerinci Seblat NP	9.1	17.3	16,985
Bukit Barisan Selatan NP	27.0	65.6	73,609
Way Kambas NP	35.9	63.1	28,891

Research in Gunung Leuser NP has shown that in a healthy Sumatran rhino population a density of one rhino per 700 Ha is possible. A more cautious estimate of one rhino per 1000 Ha has been recommended for extrapolation to other areas.

There are no major differences in the Density Indicators for Bukit Barisan Selatan and Way Kambas NPs and from the frequency of rhino encounters and other indicators the density of the rhino populations in these two areas seem to be no less than what was found earlier in Gunung Leuser NP. Therefore to estimate the population size based on the Total Rhino Area, the margins in density as calculated for Gunung Leuser can be applied.

In Bukit Barisan Selatan the Rhino Distribution Area (see figure 14) is a long and narrow area, with some outlying fragments, and using the 5 km circle method will result in a total area that is probably a slight over-estimate. Therefore a more conservative margin of 850-1200 Ha per rhino is used for Bukit Barisan Selatan.

The Rhino Distribution Area in Way Kambas is a compact area and therefore the 700 -1000 Ha per rhino margins are used.

The density of the rhino population in Kerinci Seblat is much less, probably only about one third of the densities in Bukit Barisan and Way Kambas. Therefore for Kerinci Seblat a margin of 2000 - 3500 is more appropriate.

RHINO POPULATION ESTIMATE

Working Area	Total Rhino Area (ha)	MINIMUM POPULATION SIZE	MAXIMUM POPULATION SIZE
<i>Kerinci Seblat NP, RPU estimate based on home ranges (see p. 16)</i>		8	10
Kerinci Seblat NP (2500 - 3500 Ha per Rhino)	16,985	5	7
Bukit Barisan Selatan NP (850 - 1200 Ha per Rhino)	73,609	60	85
Way Kambas NP (700 - 1000 Ha per Rhino)	28,891	30	40

Recommendations

The Sumatran rhinoceros remains a highly endangered species and will remain so in the immediate future. For an anti-poaching program to be effective it must be ongoing. Any pause and relaxation in the program would lead to an undoing of the progress achieved as the poachers would follow the situation closely and move back to the areas currently protected. In a few months the progress made in many years of work could be undone as it only takes a few groups of skilled poachers to exterminate most rhinos in an area.

The Activities of the RPUs have a significant impact on the conservation of natural vegetation and biodiversity, because the RPUs not only prevent rhino poaching, but are also active in arresting and preventing habitat degradation through illegal logging, theft of forest products including wildlife, and illegal settlements.

The activities of the Rhino Protection Unit need to be integrated in the routine management of all rhino areas. More support is needed from the Government agencies for combating illegal forest resources exploitation and forest conversion. The conservation status of all the remaining habitats need to be upgraded to the highest level. The position of the Rhino Conservation Officers within the departments needs to be strengthened.

The data entry in the IRCP database has made good progress with all data for 1999, 2000 and 2001 entered. The database contains a large number of records of rhino and other wildlife, but it is not feasible to calculate densities or population size numbers directly from the database records. For such an analysis a system for recognizing individual rhinos must be developed and integrated into the field procedures and the record taking. Currently this is beyond the capabilities of the RPUs and would deviate too much time and effort away from the primary task of law enforcement.

Also the generation of reports from the database is cumbersome and requires much manual manipulation of data. Therefore the format of the database will be upgraded over the next few months to improve data analysis and report generation.

SUMMARY OF FIELD ACTIVITY AND RHINO DATA - 2001

GENERAL PERFORMANCE PARAMETERS [1999 / 2000 / 2001]

Working Area	Number of Surveys	Distance walked (Km)	Field days
Kerinci Seblat NP	58 / 68 / 67	2,301 / 2,935 / 2,658.7	13.1 / 16.0 / 14.0
Bukit Barisan Selatan NP	113 / 121 / 153	4,376 / 4,552 / 4,484.9	9.8 / 12.7 / 11.3
Way Kambas NP	92 / 105 / 100	3,081 / 3,463 / 3,339.5	10.3 / 10.8 / 9.8
Ujung Kulon NP	65 / 69 / 54	4,319 / 4,404 / 3,993	17.5 / 18.2 / 17.6
TOTAL all areas	328 / 363 / 367	14,077 / 15,344 / 14,286	Aver. 12.0 / 14.6 / 13.2

ILLEGAL ACTIVITIES ENCOUNTERED [1999 / 2000 / 2001]

Working Area	Gaharu* Theft	Encroachment & theft	Illegal Hunting	
			Rhino/Trap	Non Rhino
Kerinci Seblat NP	7 / 4 / 5	34 / 41 / 32	2 / 1 / 0	3 / 2 / 7
Bukit Barisan Selatan NP	0 / 0 / 0	83 / 133 / 93	0 / 6? / 17	4 / 6 / 9
Way Kambas NP	16 / 12 / 7	37 / 8 / 41	0 / 0 / 0	7 / 6 / 11
Ujung Kulon NP	0 / 0 / 0	37 / 19 / 3	0 / 0 / 0	8 / 0 / 0
TOTAL all areas	24 / 16 / 12	191 / 201 / 169	2 / 7? / 17	22 / 14 / 27

* Gaharu (a component for incense) theft is listed separately, because it is a major threat in any forest in Indonesia

BASIC RHINO POPULATION PARAMETERS [1999 / 2000 / 2001]

Working Area	Footprint	Wallow	Feces	Other signs*	Direct Sighting
Kerinci Seblat NP	403 / 141 / 63	29 / 31 / 10	17 / 20 / 12	26 / 45 / 24	6 / 0 / 0
Bukit Barisan Sel. NP	42 / 1037 / 699	32 / 92 / 109	12 / 113 / 101	59 / 179 / 77	0 / 11 / 7
Way Kambas NP	166 / 201 / 179	18 / 14 / 26	26 / 69 / 60	39 / 71 / 89	0 / 0 / 2
Ujung Kulon NP	166 / 267 / 728	8 / 14 / 24	21 / 15 / 23	5 / 4 / 3	2 / 2 / 0
TOTAL all areas	777 / 1646 / 1669	87 / 151 / 169	76 / 217 / 196	129 / 217 / 193	8 / 13 / 9

* Includes urine, scratches, rubs,

RHINO DENSITY INDICATORS

Working Area	Rhino	RPU Field Presence		Density Indicators	
	A Number of Rhino sign*	B Field days**	C Distance walked	A/B Rhinos/ 100 days	A/C Rhinos/ 1000 km
Kerinci Seblat NP	46	504	2,658.7	9.1	17.3
Bukit Barisan Selatan NP	294	1,088	4,484.9	27.0	65.6
Way Kambas NP	177	493	2,809.9	35.9	63.0
Ujung Kulon NP	50	632	3,993.2	7.9	12.5

* The total number of sign (excluding footprints) of rhino found. ** Total number of RPU group field days.
(Footprints are not included, because the number provided in the tables is the number of individual footprints and not the number of separate tracks.)

QUARTERLY DATA

GENERAL PERFORMANCE PARAMETERS

FIRST QUARTER

(1 January - 31 March 2001)

Working Area	Number of Surveys	Distance walked (Km)	Duration (Field days)
Kerinci Seblat NP	17	744.6	143
Bukit Barisan Selatan NP	29	977.5	219
Way Kambas NP	27	860.4	142
Ujung Kulon NP	13	1,190.2	186

SECOND QUARTER

(1 April - 30 June 2001)

Working Area	Number of Surveys	Distance walked (Km)	Duration (Field days)
Kerinci Seblat NP	18	810.2	153
Bukit Barisan Selatan NP	46	1,203.9	349
Way Kambas NP	21	594.7	101
Ujung Kulon NP	12	1,180.0	188

THIRD QUARTER

(1 July - 30 September 2001)

Working Area	Number of Surveys	Distance walked (Km)	Duration (Field days)
Kerinci Seblat NP	15	522.1	90
Bukit Barisan Selatan NP	40	1,338.5	286
Way Kambas NP	31	838.2	161
Ujung Kulon NP	14	1,213.0	184

FOURTH QUARTER

(1 October - 31 December 2001)

Working Area	Number of Surveys	Distance walked (Km)	Duration (Field days)
Kerinci Seblat NP	17	581.8	118
Bukit Barisan Selatan NP	38	965.0	234
Way Kambas NP	21	513.6	89
Ujung Kulon NP	15	410.0	74

ILLEGAL ACTIVITIES ENCOUNTERED

FIRST QUARTER

(1 January - 31 March 2001)

Working Area	Gaharu* Theft	Encroachment & theft	Illegal Hunting	
			Rhino/Trap	Non Rhino
Kerinci Seblat NP	2	9	0	2
Bukit Barisan Selatan NP	0	23	0	14
Way Kambas NP	0	7	0	7
Ujung Kulon NP	0	1	0	0

SECOND QUARTER

(1 April - 30 June 2001)

Working Area	Gaharu* Theft	Encroachment & theft	Illegal Hunting	
			Rhino/Trap	Non Rhino
Kerinci Seblat NP	3	7	0	0
Bukit Barisan Selatan NP	0	10	15	5
Way Kambas NP	2	17	0	2
Ujung Kulon NP	0	0	0	0

THIRD QUARTER

(1 July - 30 September 2001)

Working Area	Gaharu* Theft	Encroachment & theft	Illegal Hunting	
			Rhino/Trap	Non Rhino
Kerinci Seblat NP	0	8	0	5
Bukit Barisan Selatan NP	0	39	2	8
Way Kambas NP	5	13	0	5
Ujung Kulon NP	0	1	0	0

FOURTH QUARTER

(1 October - 31 December 2001)

Working Area	Gaharu* Theft	Encroachment & theft	Illegal Hunting	
			Rhino/Trap	Non Rhino
Kerinci Seblat NP	0	8	0	4
Bukit Barisan Selatan NP	0	21	0	2
Way Kambas NP	0	4	0	2
Ujung Kulon NP	0	1	0	0

* Gaharu (a component for incense) theft is listed separately, because it is a major threat in any forest in Indonesia

RHINO SINGS

FIRST QUARTER

(1 January - 31 March 2001)

Working Area	Footprint	Wallow	Feces	Other signs*	Direct Sighting
Bukit Barisan Selatan NP	150	18	14	21	1
Kerinci Seblat NP	25	6	11	11	0
Way Kambas NP	17	0	15	23	0
Ujung Kulon NP	101	3	3	0	0

SECOND QUARTER

(1 April - 30 June 2001)

Working Area	Footprint	Wallow	Feces	Other signs*	Direct Sighting
Bukit Barisan Selatan NP	159	42	34	17	2
Kerinci Seblat NP	5	1	1	5	0
Way Kambas NP	21	4	13	21	0
Ujung Kulon NP	315	12	12	3	0

THIRD QUARTER

(1 July - 30 September 2001)

Working Area	Footprint	Wallow	Feces	Other signs*	Direct Sighting
Bukit Barisan Selatan NP	229	26	29	26	3
Kerinci Seblat NP	28	3	0	4	0
Way Kambas NP	109	19	22	38	1
Ujung Kulon NP	107	1	3	0	0

FOURTH QUARTER

(1 October - 31 December 2001)

Working Area	Footprint	Wallow	Feces	Other signs*	Direct Sighting
Bukit Barisan Selatan NP	161	23	24	13	1
Kerinci Seblat NP	5	0	0	4	0
Way Kambas NP	32	3	10	17	1
Ujung Kulon NP	205	8	5	0	0

* Includes urine, scratches, rubs,

PATROL DATA

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Q1						
Kerinci Seblat National Park (TNKS) - UNIT 01						
Gn. Solang, Bt. Bedoro, Bt. Aru,	25 Jan	2 Feb	9	3	41.2	Footprints of rhino, tapir and Sumatran tiger. Protection of forest product theft.
Gn. Solang, Berau sako Kidul-Kanan, Teramang,	10 Mar	18 Mar	9	4	46.6	Footprints of Sumatran tiger and tapir.
Lubuk Panjang, Bantal Kiri - Kanan, Gn. Bungkuk	24 Mar	2 Apr	10	4	48.6	Footprints of rhino, tapir, Sumatran tiger and primate. Forest encroachment.
SP4 Penarik, Bantal Kiri, Gn. Talang, Bantal Kanan	23 Jan	3 Mar	9	4	36.0	-
SP4, Bantal Kiri, Bantal Kanan, Gn. Soilang.	9 Feb	17 Feb	9	4	58.6	Anticipate illegal logging. Rhino indication.
Total for Unit 01			46	19	231.0	
Unit 01 - Monthly average field days	per unit		15	per person	9.2	
Kerinci Seblat National Park (TNKS) - UNIT 02						
Air Bantal, Saltlick	23 Feb	2 Mar	8	4	31.9	Footprints of Sumatran tiger and tapir.
Gn. Kayu Aro, Batu Bedoro, Bt. Aru	10 Mar	18 Mar	9	4	52.5	Footprints of Sumatran rhino, tiger, tapir and also rhino's wallow.
SP. 4, Air Gambir, A. Dikit, A. Inum, Saltlick	24 Mar	30 Mar	7	3	40.5	Indication of Sumatran tiger and tapir.
SP4 Penarik, Air Dikit, Gn. Bungkuk	9 Feb	16 Feb	8	4	41.6	Footprint of Sumatran tiger, tapir, mouse deer and wild dog. 6 suspects of Timber theft.
SP4, Air Dikit, Bantal Kiri, Bantal Kanan	11 Jan	18 Jan	8	3	54.1	Rhino indication. Processed wood of illegal logging.
SP. 8 Air Rami, Ipuh Ilau, Tembulun, Seblat Merah	22 Jan	29 Jan	8	3	39.5	Footprint of Sumatran tiger and tapir.
Total for Unit 02			48	21	260.1	
Unit 02 - Monthly average field days	per unit		16	per person	8.05	
Kerinci Seblat National Park (TNKS) - UNIT 03						
Air Abu, Bt. Punjung, A. Sako, A. Lupu, A. Teramang	24 Feb	3 Mar	8	4	42.0	Footprint of Sumatran tiger and tapir. Also rhino wallow. Illegal shelter of gaharu collector.
Air Berau, A. Sako Kidul, A. Sako Kanan	24 Mar	31 Mar	8	3	40.5	Footprint of Sumatran rhino, tiger, tapir, elephant. Direct sighting of rangkong bird and monkey.
A. Gambir, A. Gambir Rawas, Saltlick, A. Dikit	12 Jan	19 Jan	8	4	35.0	Footprint of Sumatran rhino, tiger, tapir and other wildlife.
Air Telun, Air Bulu Taring, Air Lupu	25 Jan	31 Jan	7	3	38.5	Traps intended Sumatran tiger. Footprint of Sumatran tiger, tapir and group of elephants.
Gambir Rawas, A. Dikit, Saltlick	10 Mar	17 Mar	8	4	42.0	Footprint and scratch of rhino. Footprint of Sumatran tiger and tapir.
Hulu Air Simpang Manggup, A. Retak	10 Feb	19 Feb	10	4	55.5	Footprint and dung of Sumatran tiger, tapir and elephant.
Total for Unit 03			49	22	253.5	
Unit 03 - Monthly average field days	per unit		16	per person	8.2	

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Total for All Units			143	62	744.6	
Unit 01 - 03 - Monthly average field days	per unit		15.88	per person	8.47	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 04						
KM. 21, Hili Gedang, Hulu Way Bambang, KM. 28.	8 Mar	13 Mar	7	4	29.0	Sign of rhino.
Km. 28, Hulu Way Pemerihan	21 Feb	27 Feb	7	4	28.0	Sign of rhino (footprint). Bird and turtle trapping.
P (28) Hulu Pemerihan	21 Mar	27 Mar	7	3	28.0	Sign of rhino and other wildlife (elephant and monkey).
Pemerihan, Sumberrejo, Way Canguk, Sumber	7 Feb	14 Feb	8	3	29.0	No sign of rhino. Processed wood 9.48 M3.
Sukamarga, Way Laga, Way Anderlung, Lubuk Pring	15 Jan	26 Jan	12	4	52.5	Old wallows of rhino (5 sets) 2 years old. No fresh tracks of rhino.
Total for Unit 04			41	18	166.5	
Unit 04 - Monthly average field days	per unit		13.67	per person	8.28	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 05						
Grogol, Hulu Way Ngaras, Way Tembulih	8 Mar	13 Mar	8	4	26.5	Sign of rhino (old and new). No poaching.
KM. 29, Way Bambang, Kubunicik	24 Jan	28 Jan	5	3	15.0	Sign of rhino (old and new). No poaching.
Limus Peros, Tj. Mas, Kubu Sleman, Sinar Ogan2	8 Feb	15 Feb	8	4	27.0	No poaching. No forest product theft and encroachment.
Pesangan, Penyantun, Pedamaran, Sinar laut	19 Mar	25 Mar	7	3	44.5	Indication of forest encroachment (old and new).
Tirom, W. Nenom, Tl. Serumpun, W. Asahan	21 Feb	27 Feb	7	4	29.0	No poaching. Indication of forest product theft and encroachment.
Way Pemerihan, KM. 21, KM. 22, Hulu Way Kruing	19 Jan	24 Jan	6	2	29.0	Sign of rhino. No poaching. Forest product theft.
Total for Unit 05			41	20	162.0	
Unit 05 - Monthly average field days	per unit		13.67	per person	7.0	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 06						
Buper, Sukaraja Atas, Pal 50, KM. 30, Way Bambang	16 Feb	19 Feb	4	3	29.0	Sign of rhino (footprint, dung, urin). No poaching.
Grogol, Campang Kiri, Campang Kanan, W. Ngaras	7 Mar	15 Mar	9	4	41.0	Sign of rhino. No poaching. Indication of turtle theft.
Ngaras, Umbul Tujuh, Hulu W. Ngaras.	7 Feb	14 Feb	8	3	38.0	Sign of rhino. No poaching. No boundary mark of the national Park.
Pal 50, Tulung Bambang, Hulu Way Bambang,	22 Feb	27 Feb	6	4	24.0	Sign of rhino. No poaching.
Penengahan, Sugiwaras, Kalicina	19 Mar	27 Mar	9	5	36.0	No rhino sign. No poaching. Indication of bird theft.
Total for Unit 06			36	19	168.0	
Unit 06 - Monthly average field days	per unit		12	per person	7.42	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 07						
Haur Gading, Way Blambangan, W. Bambang, Penengahan	12 Jan	19 Jan	8	5	27.0	Sign of rhino. No poaching. Coffee Plantation.

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Kubu Perahu, Hulu Way Krui, Hulu Way Bambang	7 Feb	16 Feb	10	4	52.0	Sign of rhino. Poaching using trap.
Negeri Ratu, Hulu Way Ngaras, Grogol	1 Mar	4 Mar	4	3	25.0	Sign of rhino. No poaching.
Peninggeman, Hulu Way Pemerihan, KM. 24	23 Jan	28 Jan	6	4	25.0	Sign of rhino. No poaching.
Way Ngambur, Way Telma	21 Feb	27 Feb	7	4	30.0	Sign of rhino (dung). No poaching.
Way Ngambur, Way Telma, Way Mendati	20 Mar	27 Mar	8	4	30.0	Sign of rhino. No poaching.
Total for Unit 07			43	24	189.0	
Unit 07 - Monthly average field days	per unit		14.33	per person	7.33	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 08						
Kubu Perahu, Hulu Way Krui, Hulu Way Tenumbang	7 Feb	16 Feb	10	5	52.0	Sign of rhino in Hulu Way Tenumbang. Traces of trap setting.
Umbul Grogol, Way Ngaras, Umbul Tujuh	28 Feb	4 Mar	5	4	25.0	Poaching using organic weapon by the finding shell of bullet with the Code "MEN 308".
Way Ngambur, Way Ngaras, Hulu Way Tembulih	13 Mar	26 Mar	14	4	45.0	Sign of rhino (fresh). No trap.
Way Ngaras, Umbul Tujuh, Grogol	21 Feb	27 Feb	7	4	30.0	Direct sighting of rhino in Way Ngaras. No trap.
Total for Unit 08			36	17	152.0	
Unit 08 - Monthly average field days	per unit		12.00	per person	9.06	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 09						
Hili Gedang, Hulu Way Bambang, Gn. Kubunicik	7 Feb	12 Feb	6	2	42.0	Sign of rhino.
Limus, W. Blambangan, Sinar Ogan	8 Mar	13 Mar	6	3	20.0	No rhino sign. Forest encroachment inside the Park.
Way Laga, Hulu Way Anderlung, Lubuk Pring	15 Jan	24 Jan	10	4	78.0	No rhino sign. Traces of trap setting. Arrest suspect of rattan theft.
Total for Unit 09			22	9	140.0	
Unit 09 - Monthly average field days	per unit		7.33	per person	7.78	
Total for All Units			219	107	977.5	
Unit 04 - 09 - Monthly average field days	per unit		8.11	per person	7.76	
Way Kambas National Park (TNWK) - UNIT 01						
Camp D2, Air Puith, S. Ilir Aech, Probolinggo	2 Feb	7 Feb	6	5	44.0	Sign of rhino such as scrape, dung, and tree twist Chasing illegal hunter and resin collector.
Camp Mini (south area), PLG	24 Jan	29 Jan	6	5	24.5	Pursuing 6 suspects of poaching but arrest only one of them then hand over National Park.
D2, Air Putih, Encroachment area.	21 Mar	26 Mar	6	7	30.5	Sign of rhino (young rhino). Arrest suspects of resin collector.
Karang sari, SRS	16 Feb	17 Feb	2	10	21.0	Prevent illegal fishing. Dung of rhino (4 weeks old).
Encroachment area, PLG, Karang Sari	6 Mar	10 Mar	5	8	18.5	Arrest suspect of poaching in "the forest encroachment area".
Pesanggrahan, Ulung-Ulung, SRS, PLG	16 Jan	21 Jan	6	5	28.0	Sign of rhino (old). safe.
Pos Cabang, Sungai Rasau	29 Mar	5 Apr	8	6	14.1	safe.

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Temon, Way Kanan, Air Putih, D2	26 Feb	2 Mar	5	5	26.0	Sign of rhino.
Total for Unit 01			44	51	206.6	
Unit 01 - Monthly average field days	per unit		14.67	per person	5.20	
Way Kambas National Park (TNWK) - UNIT 02						
Camp Darmaji, Way Kanan Atas, D2	13Feb	18 Feb	6	6	18.5	Arrest suspect of fish and bird theft. Arrest suspect of gaharu collector and poacher.
Camp D1, Gerbang Tol, Air Putih, D2	21 Mar	25 Mar	5	7	41.5	safe. Footprint of rhino (mother and infant).
D1, Gerbang Tol, Camp 5000, Tegal Yoso	2 Feb	7 Feb	6	5	70.5	Indication of human activities inside the Park.
D2, R. Badak, Hulu Way Kanan, Jalur Temon	26 Feb	1 Mar	4	4	29.7	Sign of rhino. No poaching. The area is safe.
Kali Batin, SRS, Menara	5 Jan	10 Jan	6	5	21.0	No poaching.
Rawa Bunder	3 Mar	4 Mar	2	8	2.2	Arrest 7 suspects of poaching and confiscate the evidences.
Posdal, Susukan Baru (R1)	16 Jan	21 Jan	6	5	40.0	Arrest 2 suspects of illegal fishing.
Rasau	29 Mar	6 Apr	9	6	46.0	Confiscate 400 pieces of timber and hand over to the National Park.
Susukan Baru, Tulung Sula, Camp Darmaji	26 Jan	30 Jan	5	5	26.0	Encounter 3 men collecting sand. Car tracks and bicycle inside the Park.
Tegal Yoso	2 Mar	2 Mar	1	7	2.2	-
Way Kanan	13 Feb	15 Feb	3	7	22.5	Arrest 3 suspects of wild pig hunting.
D2, Air Putih, Air Hitam, D1	8 Mar	13 Mar	6	3	50.0	Sign of rhino.
Total for Unit 02			59	68	370.1	
Unit 02 - Monthly average field days	per unit		19.67	per person	4.66	
Way Kambas National Park (TNWK) - UNIT 03						
Camp Mini, Way Sepat, PLG	5 Jan	11 Jan	7	5	28.3	Traces of gaharu collection (old and new).
D2, Air Hitam, D1	16 Jan	21 Jan	6	4	37.0	Sign of rhino.
D2, Air Putih, Air Hitam, D1	8 Mar	13 Mar	6	4	50.0	Footprint of rhino (young rhino).
Kali Batin Atas, Way Kanan Atas	26 Jan	30 Jan	5	4	33.0	No poaching.
Pos Way Kanan, Camp D1, WK Benteng, Camp 5000, R1	5 Jan	10 Jan	6	4	34.5	D1 - D2 are safe.
Pos Way Kanan, D1, Camp 5000, D2	26 Feb	1 Mar	4	5	54.0	Sign of rhino (old and new). Arrest suspect of poaching and resin collection.
R1, Susukan Baru, Tegal Yoso	2 Feb	6 Feb	5	5	47.0	Defeat poaching activities through confiscate the evidences. Arrest suspect of resin collection.
Total for Unit 03			39	31	283.8	
Unit 03 - Monthly average field days	per unit		13.00	per person	5.50	
Way Kambas National Park (TNWK) - UNIT 04						
	No activity					
Total for Unit 04						
Unit 04 - Monthly average field days	per unit		0	per person	0.0	
Total for All Units			142	150	860.5	
Unit 01 - 04 - Monthly average field days	per unit		2.96	per person	5.03	

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Ujung Kulon National Park (TNUK) - UNIT 01						
DAS Cikarang, Pamageran, Handeuleum	20 Feb	28 Feb	9	5	50.0	Footprints of rhino, 2 sets from the same individual, traces of rhino food and tracks.
Kr. Ranjang, Cibandawoh, DAS Cikeusik	20 Mar	31 Mar	12	5	65.0	Footprints of rhino 3 sets from different individu.
Kr. Ranjang handeuleum, Cikarang, Citelang	1 Feb	10 Feb	10	5	67.0	No rhino sign (hard rain).
Tj. Lame, Cibandawoh, Cikeusik	1 Jan	10 Jan	10	5	88.0	Footprints of rhino 3 sets from different individu. Corpse of male wild ox (Banteng; <i>Bos javanicus</i>)
Tj. Lame, Cipakis, Gn. Duri, Geundir	20 Jan	29 Jan	10	5	67.0	No rhino sign (hard rain).
Transek 1,2 dan 3 north side.	1 Mar	10 Mar	10	5	55.0	No rhino sign. No forest intruder (safe).
Total for Unit 01			61	30	392.0	
Unit 01 - Monthly average field days	per unit		20.30	per person	10.17	
Ujung Kulon National Park (TNUK) - UNIT 02						
Handeuleum, Citeulang, Nyawaan, Nyiur, Cidaon	7 Mar	21 Mar	15	5	137.3	Decrease poaching in Ujung Kulon NP.
Kr. Ranjang, Pangukusan, Cibandawoh	31 Jan	20 Feb	21	5	122.9	Rhino tracks in the north. Decrease marine resources robbery.
Tj. Lame, Kr. Ranjang, Cibandawoh, Cikeusik	10 Jan	20 Jan	11	5	82.0	Wallow of rhino (new).
Tj. Lame, Kr. Ranjang, Seuseupan, Cibandawoh	1 Jan	10 Jan	10	5	79.0	Rhino tracks. Decrease marine resources robbery.
Total for Unit 02			57	20	421.2	
Unit 02 - Monthly average field days	per unit		19.00	per person	14.25	
Ujung Kulon National Park (TNUK) - UNIT 03						
Kalejetan, Ciermokla, Geundir	7 Mar	1 Apr	26	5	128.0	Monitoring rhino range and behaviour around Kalejetan to Ciermokla.
Kr. Ranjang, Cibandawoh, Cibunar, Cikuya, Cikembang	9 Feb	1 Mar	21	5	118.0	Monitoring disturbed area. Monitoring rhino habitat, behaviour and distribution.
Tj. Lame, Kr. Ranjang, Cibandawoh, Pangukusan	10 Jan	30 Jan	21	5	131.0	Monitoring disturbed area.
Total for Unit 03			68	15	377.0	
Unit 03 - Monthly average field days	per unit		22.70	per person	22.67	
Total for All Units			186	65	1,190.0	
Unit 01 - 03 - Monthly average field days	per unit		20.70	per person	14.31	

Q2

Kerinci Seblat National Park (TNKS) - UNIT 01

Bantal Kiri - Kanan, Bt. Batu bedoro	13 Jun	21 Jun	9	3	47.5	No rhino sign.
Gn. Solang, Gn. Karo, Bantal Kanan, Bantal Kiri, SP. 4	22 Apr	30 Apr	9	4	42.0	Sign of rhino, tiger and tapir.
Lubuk Panjang, Berau Sako Kanan, Berau Sako Kidul	8 May	16 May	9	4	42.0	Rhino sign (footprints, dung and wallow) Footprints of tiger and tapir.

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
S. Selagan Kiri, S. Kabu, S. Selagan Kanan	7 Apr	16 Apr	10	4	38.0	No rhino sign. Indication of tiger and tapir.
S. Selagan Kiri, S. Kabu, S. Selagan Kanan	23 May	2 Jun	11	4	42.0	No rhino sign.
SP. 4, Air Dikit, Gn. Bungkok	28 Jun	5 Jul	8	3	50.0	Sign of rhino.
Total for Unit 01			56	22	261.5	
Unit 01 - Monthly average field days	per unit		18.70	per person	9.41	
Kerinci Seblat National Park (TNKS) - UNIT 02						
Air Dikit Saltlick	26 Jun	2 Jul	7	3	39.2	No rhino sign. Footprint of tapir.
Air Rami, Seblat, Tembulun, SP. 8	23 May	30 May	8	4	61.2	Footprint of tapir. Giant flower (<i>Rafflesia arnoldi</i>).
Lubuk Panjang, Bantal Kiri - Kanan, Saltlick	10 Jun	17 Jun	8	3	59.3	No new rhino sign (only old wallow).
SP. 8 Air Rami, Seblat Merah, Seblat Dangkal	18 Apr	27 Apr	10	3	43.5	Footprint and dung of tiger and tapir.
SP. 4, Gambir, A. Dikit, A. Inum, Saltlick	25 Jun	2 Jul	8	4	67.0	No rhino sign. Timber theft.
Sp. 4 Penarik, Air Dikit, Air Inum, Saltlick	6 Apr	9 Apr	4	8	31.8	Footprint of tiger and tapir.
SP. 4 Penarik, Air Dikit, Bantal Kiri	10 May	19 May	10	4	47.5	Footprint of tiger and tapir also tiger's dung.
Total for Unit 02			55	29	349.5	
Unit 02 - Monthly average field days	per unit		18.33	per person	7.28	
Kerinci Seblat National Park (TNKS) - UNIT 03						
Air Gambir, Air Dikit, Air Inum	26 Jun	3 Jul	8	3	41.5	Footprint of tiger and tapir also rhino's rub down. Arrest 3 suspects of gaharu collection.
Air Ipuh Ilau, Air Payuhan, Air HULU Sabai	8 May	16 May	9	3	34.0	Footprint of tiger and tapir also elephant's dung.
Air Rami, Air tembulun, Air Seblat Merah	18 Apr	26 Apr	9	3	49.7	Footprint of rhino, tiger, tapir, bear and mouse deer
Lubuk Panjang, Berau Sako Kanan, Berau Sako kidul	10 Jun	17 Jun	8	3	39.0	Arrest 5 suspects of gaharu collection and 6 suspects of fish theft from Tapan.
SP. 8 Air Rami, A. Ipuh Ilau, Sabai	23 May	30 May	8	4	35.0	Footprint of tiger and tapir.
Total for Unit 03			42	16	199.2	
Unit 03 - Monthly average field days	per unit		14.00	per person	8.38	
Total for All Units			153	67	810.2	
Unit 01 - 03 - Monthly average field days	per unit		17.00	per person	8.24	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 04						
Bengkunat, B.50, Tumpak Bayur	24 Jun	1 Jul	8	2	28.0	Arrest 5 suspects of forest encroachment.
KM. 21, Hulu Way Bambang, Umbul Tuba	25 May	1 Jun	8	5	15.0	Sign of rhino. Direct sighting of an elephant. Arrest suspect of resin and fish theft.
KM. 30, Hulu way Bambang, KM. 24	11 Jun	19 Jun	9	4	25.5	Sign of rhino. inactive trap. Stair wood to surveillance wildlife.
KM. 50, Way Bambang, Pintau, KM. 24	13 Apr	22 Apr	10	7	33.3	Sign of rhino and tiger. Indication of poaching, forest encroachment and forest product theft.
Sukaraja Atas, Sidomulyo, Hulu Way Pemerihan	1 Apr	12 Apr	12	4	80.0	-

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
KM. 24, KM. 21, Hulu Way Bambang	2 May	9 May	8	4	13.0	Sign of rhino. rhino active trap (1 set). Illegal shelter.
Way Pintau	25 Apr	1 May	7	4	28.0	Sign of rhino and other wildlife (elephant and tiger)
Total for Unit 04			62	30	222.8	
Unit 04 - Monthly average field days	per unit		20.67	per person	9.00	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 05						
Haur Gading, Otok Radang, Hulu Way Asahan	6 Apr	13 Apr	8	4	29.0	Sign of rhino. No poaching.
Kepimping, Hulu Way Bambang, Umbul Tuba	20 May	27 May	8	3	23.0	Sign of rhino. No poaching.
KM. 22, Hulu Way Bambang, KM. 24	21 Apr	29 Apr	9	4	25.0	Sign of rhino. Direct sighting of rhino. 1 set rhino active trap.
KM. 24, Hulu W. Bambang	17 May	24 May	8	4	26.0	Sign of rhino.
KM. 29, Way Bambang, KM. 30	8 Jun	14 Jun	7	4	22.0	Sign of rhino. Traces of trap setting.
KM. 30, Hulu Way Pemerihan	26 Jun	2 Jul	7	4	20.0	Sign of rhino. No poaching. Forest product theft.
KM. 29, KM. 30, Hulu Way Bambang	1 Jun	3 Jun	3	3	16.0	Sign of rhino. Traces of trap setting.
Way Pintau, Hulu Way Bambang	9 May	15 May	7	3	31.0	Sign of rhino. No poaching. Forest encroachment.
Total for Unit 05			57	29	192.0	
Unit 05 - Monthly average field days	per unit		19.00	per person	7.24	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 06						
Belimbing, Way Sleman, Way Tinggal, Pangekahan	6 Apr	14 Apr	9	4	56.0	Sign of rhino. No poaching targeted on rhino except mouse deer and bird.
KM. 22, Hulu Way Bambang, KM. 24	21 Apr	29 Apr	9	4	35.0	Rhino trap (3 sets). Arrest 3 suspects of fish and timber theft.
KM. 22, Hulu Way Bambang	20 May	27 May	8	4	26.0	Sign of rhino. No poaching.
P.21 (Tanjakan Mayit), Way Bambang	2 2jun	29 Jun	8	3	27.0	Sign of rhino. Indication of resin theft.
Tampang Tua, Hulu Way Kesugihan, Way Menjukut	6 May	14 May	9	6	45.0	No rhino sign. Indication of poaching by finding boat shoes and temporary camps of poacher.
Way Bambang, Penyimpang Luni, Kubunicik	11 Jun	16 Jun	6	3	18.0	Sign of rhino. Indication of poaching in Way Bambang area.
Total for Unit 06			49	24	207.0	
Unit 06 - Monthly average field days	per unit		16.33	per person	8.33	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 07						
KM. 22, Hulu Way Bambang, Pal 50	6 Apr	12 Apr	7	4	38.5	Plenty of rhino signs such as wallows, footprints, and dungs. No poaching.
KM. 28, Hulu Way Pemerihan	21 Jun	29 Jun	9	4	28.0	Direct sighting on rhino (wallowing). No poaching.
Limus Peros, Otok Radang, Way Lancuran	20 Apr	27 Apr	8	3	30.0	Sign of rhino (old). The team heard a gun shut from a far away.
Pemerihan, Hulu W. Pemerihan, W. Canguik	7 Jun	12 Jun	6	3	25.0	Sign of rhino (old and new). Many tracks of resin collector.
Pemerihan, Peg. Cawang Haro, Hulu W. Canguk	6 May	13 May	8	3	35.0	Direct sighting of rhino (wallowing). No poaching.

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Way Canguk, Peg. Cawang Haro, Way Pemerihan	20 May	27 May	8	4	30.0	Sign of rhino. No poaching.
Total for Unit 07			46	21	186.5	
Unit 07 - Monthly average field days	per unit		15.33	per person	7.71	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 08						
Grogol, Hulu W. Ngaras, Way Tembulih	9 Apr	16 Apr	8	6	41.0	Sign of rhino. No poaching.
Kepimping, Tl. OPagelaran, Hulu Way Pintau	20 May	27 May	8	3	33.0	Sign of rhino. No poaching. Forest encroachment.
Umbul Grogol, Way Ngaras, Umbul Tujuh	22 Jun	28 Jun	7	4	31.0	Sign of rhino (fresh) in Umbul Grogol.. No poaching.
Way Ngaras, Grogol, Umbul Tujuh	9 May	15 May	7	3	30.0	No trap setting along the patrol route. Poaching with organic weapon informed flare up starting May 2001.
Total for Unit 08			30	16	135.0	
Unit 08 - Monthly average field days	per unit		10.00	per person	7.56	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 09						
Ds. Ketapang, Ds. Pekon Inon, Kec. bengkurat	6 May	9 May	4	4	8.0	Encounter infant elephant (4 monts old) with body height 1,02 meters and length 1.15 meters.
Hulu Way Bambang	14 May	21 May	8	4	16.0	Sign of rhino (footprints, dung, wallow). Rhino traps (3 sets).
KM. 24, KM. 50	13 Apr	19 Apr	7	7	91.0	Footprints of Sumatran rhino and tiger.
Umbul grogol, Way Ngaras, Umbul Tujuh	22 Jun	28 Jun	7	3	36.0	Footprints of Sumatran rhino, tiger and tapir.
Way Mendati, Hulu Way Rilau, Way Tembulih	11 Jun	18 Jun	8	4	56.0	Footprints of Sumatran rhino, tiger and tapir.
Total for Unit 09			34	22	207.0	
Unit 09 - Monthly average field days	per unit		11.33	per person	6.82	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 10 (TPU)						
Hulu Way Bambang	3 Jun	10 Jun	8	3	3.0	No intruder.
KM. 24, Hulu Way Bmbang	17 May	24 May	7	4	26.0	Sign of rhino. Rhino trap (active).
KM. 30, Hulu Way Bambang, KM. 31	26 Jun	3 Jul	8	4	27.0	Sign of rhino. Plenty of sign of human activities inside the park such as resin and fish theft.
Limus, Tampang, Sinar Ogan	26 Jun	3 Jul	5	1	0.0	rhino trap (wire snares).
Tanjungan, Giri Toto, Kotaagung	20 Jun	24 Jun	5	2	-	Intelligence operation.
KM. 24, Hulu Way Bmbang	2 May	8 May	8	4	26.0	Sign of rhino (old and new). No poaching.
Total for Unit 10			41	18	86.0	
Unit 10 - Monthly average field days	per unit		13.67	per person	7.28	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 11 (TPU)						
Ds. Ngaras, Ds. Pasar Minggu, Ds. Sukamarga	2 May	8 May	7	2	-	Intelligence operation.
Haur Gading, Tampang, Belimbing	3 Jun	11 Jun	9	5	64.5	No rhino sign. Indication of Sumatran tiger and other wildlife.
KM. 30, Hulu W. Bambang	21 Jun	29 Jun	9	4	31.0	Sign of rhino. No poaching.

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Umbul Tuba, Way Bambang	11 May	15 May	5	3	-	Intelligence operation.
Total for Unit 11			30	14	95.5	
Unit 11 - Monthly average field days	per unit		10.00	per person	7.86	
Total for All Units			349	173	1,209.3	
Unit 04 - 09 - Monthly average field days	per unit		14.54	per person	7.83	
Way Kambas National Park (TNWK) - UNIT 01						
Camp Mini, Jembat Seling, PLG, Binjai	2 May	8 May	7	5	28.5	Sign of rhino. Prevent gaharu collection.
D1, gerbang Tol, J. Aceh, Tegal Yoso	3 Jun	8 Jun	6	5	39.5	Footprint of rhino (5 sets). Arrest 3 suspects of forest product theft. Illegal sawmill inside the Park.
D1, Wako Banteng	23 Jun	27 Jun	5	5	17.0	Footprint of Tapir and rhino dung.
Kalibatin, SRS	14 Jun	18 Jun	5	5	16.5	Footprint of Sumatran tiger. Arrest 3 suspects of fish theft.
Plang Hijau, SRS	24 May	28 May	5	5	23.5	Traces of rhino food. Illegal camp of gaharu collection.
Pos Bulus, Ulung-ulung, Pesanggrahan	12 May	16 May	5	5	27.2	No rhino sign. safe.
Total for Unit 01			33	30	152.2	
Unit 01 - Monthly average field days	per unit		11.00	per person	5.50	
Way Kambas National Park (TNWK) - UNIT 02						
Bungur, Ogai, Bincung, Air Putih, D2	4 Jun	8 Jun	5	6	52.0	Processed wood. Traces of arson.
Cabang, rasau	24 May	28 May	5	6	61.0	Timber theft. Arrest 2 suspects of bird theft.
Camp D1, Tarsan, Kalibiru, D2	3 May	7 May	5	5	30.0	Fresh rhino wallow in Kalibiru. safe.
Camp Darmaji, Way Kanan Atas, Kalibatin	13 May	17 May	5	5	32.0	Sign of rhino. Arrest 6 suspects of poaching.
Kalibiru	15 Jun	19 Jun	5	6	16.0	No park intruder.
Pos Cabang, S. Rasau	11 Apr	20 Apr	10	4	48.0	safe
Tulung Sula, way penet	13 Jun	13 Jun	1	6	4.0	No park boundary.
Way Tulung Sula	14 Jun	14 Jun	1	6	4.0	No park boundary.
Total for Unit 02			37	44	247.0	
Unit 02 - Monthly average field days	per unit		12.30	per person	4.36	
Way Kambas National Park (TNWK) - UNIT 03						
Camp D1, Way Areng	24 May	28 May	5	6	32.0	Sign of rhino (new). Bird theft.
D2, Air Putih, Way Tulung Sula	3 Jun	7 Jun	5	5	30.0	Sign of rhino. Encounter 1 unit of bicycle.
D2, Way Tulung Sula, D2	13 May	16 May	4	6	35.0	Footprints and dung of rhino. Tracks of poaching still active.
kalibatin, Way Kanan Atas	3 May	7 May	5	5	35.0	No rhino sign. safe.
Way Kanan, Way Areng	23 May	28 May	6	5	17.0	safe.
Total for Unit 03			25	27	149.0	
Unit 03 - Monthly average field days	per unit		8.33	per person	4.96	
Way Kambas National Park (TNWK) - UNIT 04						
D1, Hulu Kalibiru, D2	24 Apr	26 Apr	3	15	21.5	No new illegal activity.

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
SRS, Kalibatin, Menara	27 Apr	29 Apr	3	14	25.0	safe
Total for Unit 04			6	29	46.5	
Unit 04 - Monthly average field days	per unit		2.00	per person	3.00	
Total for All Units			101	130	594.7	
Unit 01 - 04 - Monthly average field days	per unit		8.42	per person	4.45	

Ujung Kulon National Park (TNUK) - UNIT 01

Cibunar, Citadahan, Cidaon	21 Jun	30 Jun	10	5	110.0	Footprint of javan rhino.
Cidaon, Citerjun, Cinogar	1 Jun	10 Jun	10	5	115.0	Footprint of javan rhino.
DAS Cidaon, Cikembang, Cibunar	20 May	29 May	10	5	48.0	Footprint of javan rhino (5 sets).
DAS Cikarang, Pamageran, Cibalagadigi	20 Apr	29 Apr	10	5	55.0	Footprint of javan rhino (fresh).
DAS Cikeusik	1 May	10 May	10	5	84.0	Footprint of javan rhino (old and new) 21 sets with different measures and directions.
DAS Citelang, Cicangkok, Cinyiur	1 Apr	10 Apr	10	5	50.0	Footprint of javan rhino in Citelang and Cicangkok.
Total for Unit 01			60	30	462.0	
Unit 01 - Monthly average field days	per unit		20.00	per person	10.00	

Ujung Kulon National Park (TNUK) - UNIT 02

Handeuleum, Nyawaan, Cibom, Ciramea	1 Apr	20 Apr	20	5	105.0	Decrease illegal activity such as poaching, encroachment, and marine resources robbery
Tj. Lame, Cibom, Cibunar, Cukang Galih	1 May	20 May	20	5	145.0	-
Tj. Lame, Geundir, Cegog, Ciernokla	1 Jun	20 Jun	20	5	105.0	Identification of rhino moving from Ciernokla to the west side.
Total for Unit 02			60	15	355.0	
Unit 02 - Monthly average field days	per unit		20.00	per person	20.00	

Ujung Kulon National Park (TNUK) - UNIT 03

Karang Ranjang, Blok Cibandawoh	8 Apr	1 May	24	5	112.0	Wallows of javan rhino (10 sets).
Karang Ranjang, Blok Cibandawoh	10 Jun	30 Jun	21	5	110.0	Monitoring rhino habitat.
Tj. Lame, Ranca Gebang, Kr. Ranjang, Cibandawoh	8 May	30 May	23	5	141.0	Monitoring disturbed areas.
Total for Unit 03			68	15	363.0	
Unit 03 - Monthly average field days	per unit		22.70	per person	22.67	
Total for All Units			188	60	1,180.0	
Unit 01 - 03 - Monthly average field days	per unit		20.90	per person	15.67	

Q3**Kerinci Seblat National Park (TNKS) - UNIT 01**

Air Tembulun, A. Seblat Merah, A. Dangkal	9 Sep	15 Sep	7	3	31.5	Footprints of Sumatran tiger, tapir, bear and ailung of Sumatran tiger.
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Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
SP. 4, Air Dikit, Bantal Kiri, Bantal Kanan	23 Sep	29 Sep	7	3	46.0	Wallow and footprint of Sumatran rhino, tiger and tapir. Forest encroachment
SP.4, S. Gambir, A. Dikit, Gambir Rawas	15 Jul	21 Jul	7	4	42.0	Sign of rhino, tiger and tapir.
SP.4, S. Gambir, A. Dikit, Gambir Rawas	11 Aug	16 Aug	6	4	41.0	Sign of rhino, tiger and tapir.
Total for Unit 01			27	14	160.5	
Unit 01 - Monthly average field days	per unit		9.00	per person	6.71	
Kerinci Seblat National Park (TNKS) - UNIT 02						
Air Lubuk Panjang, Air Berau	23 Sep	27 Sep	5	4	34.0	No rhino sign. Timber theft.
Air Rami, Air Tembulun, A. Seblat Merah	29 Jul	3 Aug	6	3	45.0	No rhino sign. Dung of Tapir.
Air Tembulun, A. Seblat Merah	30 Aug	2 Sep	4	4	22.0	Tiger traps and bones of tapir (presumably at least 3 Sumatran tigers were caught).
Gn. Solang, Kayu Aro, Air Berau	12 Sep	15 Sep	4	4	22.5	Indication of tapir (footprint and dung).
Lubuk Panjang, M. Sako, Kayu Aro, Gn. Solang	14 Jul	20 Jul	7	4	39.4	No rhino sign. Encounter 4 illegal camps and 2 units of rowboat
SP.4, Air Dikit, Gambir, SP. 4	11 Aug	15 Aug	5	4	20.0	Footprint of tapir. Arrest 6 suspects of timber theft.
Total for Unit 02			31	23	182.9	
Unit 02 - Monthly average field days	per unit		10.30	per person	5.13	
Kerinci Seblat National Park (TNKS) - UNIT 03						
Air Dikit, Saltlick, A. Inum, Bantal Kiri, Hulu Sikai	23 Sep	30 Sep	8	4	47.5	Footprint of Sumatran rhino, tiger, elephant and tapir. Traces of tiger trap set.
Air Tembulun, A. Seblat Merah, A. Dangkal	29 Jul	3 Aug	6	4	26.0	Footprint and wallow of rhino.
Air Tembulun, A. Seblat Merah, A. Sabai	29 Aug	3 Sep	6	5	41.5	Footprint of Sumatran rhino, tiger and tapir.
Air Tembulun, A. Seblat Merah, Hulu Air Rami	9 Sep	16 Sep	8	4	43.7	Sign of rhino. No poaching.
SP. 4, A. Gambir Rawas, Air Dikit, Air Inum	11 Aug	14 Aug	4	3	20.0	No rhino sign.
Total for Unit 03			32	20	178.7	
Unit 03 - Monthly average field days	per unit		10.70	per person	6.50	
Total for All Units						
			90	57	522.1	
Unit 01 - 03 - Monthly average field days						
		per unit		10.00	per person	6.00
Bukit Barisan Selatan National Park (TNBBS) - UNIT 04						
B. 50, Kuyung Arang, Tumpak Bayur	8 Sep	16 Sep	9	4	-	Intelligence operation.
Grogol, Hulu Way Ngaras, Blok VII	11 Jul	18 Jul	8	4	34.5	Sign of rhino and tiger. Bones of elephant skull (1 set).
Pahmongan, Hulu Way Mahnai, Hulu Way Krui.	23 Aug	29 Aug	7	8	29.0	Sign of rhino. 2 units of illegal shelter of gaharu collection.
Peninggeman, Hulu way Pemerihan, Mbedok	20 Sep	26 Sep	7	5	34.0	Sign of rhino. Forest disturbances (timber theft, etc).
SP. 6, Grogol, Way Ngaras	8 Aug	15 Aug	8	3	36.0	Sign of rhino. No poaching.
Talang Aceh, Simpang Kongki, Tl. Sarmain	24 Jul	31 Jul	8	4	51.0	Sign of rhino. Forest encroachment inside the protected areas.

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Total for Unit 04			47	28	184.5	
Unit 04 - Monthly average field days	per unit		15.67	per person	7.68	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 05						
KM. 29, Way bambang, KM. 30	21 Aug	28 Aug	8	4	25.0	Sign of rhino (old and new). No poaching.
Limus Peros, Sinar Ogan2, Way Blambangan	8 Aug	15 Aug	8	3	26.0	Poaching (trap setting). Old and new forest encroachment. Timber theft.
Tanjungan, Tanjung Makmur, Srejo, Srimulyo	10 Jul	19 Jul	10	2	13.5	Forest encroachment.
Total for Unit 05			26	10	64.5	
Unit 05 - Monthly average field days	per unit		8.67	per person	7.60	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 06						
KM. 21, Hulu Way Bambang, KM. 23	13 Aug	15 Aug	3	3	7.0	Forest product (resin) theft. Indication of elephant poaching in KM. 32
KM. 24, Hulu Way Bambang, KM. 29	25 Sep	28 Sep	4	4	11.0	Sign of rhino. Forest disturbances.
KM. 30, Tanjakan Kapur, Way Bambang, KM. 21	10 Jul	18 Jul	9	5	44.0	Sign of rhino. No poaching. Forest disturbances.
Pal 50, Tulung Bamban, Hulu Way Bambang, KM. 30	8 Aug	11 Aug	4	3	15.0	Sign of rhino. No poaching. Forest product (resin) theft.
Pal 50, Tulung Bamban, Hulu Way Bambang, KM. 30	21 Aug	30 Aug	10	4	38.0	Sign of rhino. No poaching. Forest product (resin) theft.
Peninggeman, Hulu Way Pemerihan, Hulu Way Canguk	6 Sep	10 Sep	5	16	25.0	No rhino sign. No poaching. Forest product theft.
Way Pemerihan, Cawang Haro, Way Canguk	25 Jul	31 Jul	7	4	37.0	Sign of rhino. No poaching. Illegal camp of bird theft.
Total for Unit 06			42	39	177.0	
Unit 06 - Monthly average field days	per unit		14.00	per person	5.90	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 07						
KM. 29, Hulu Way Bambang, KM. 24	9 Jul	17 Jul	9	5	45.0	Sign of rhino such as footprint, wallow and scratch. No poaching.
Pemerihan, Peg. Cawang Haro, Hulu Way canguk	24 Jul	31 Jul	8	4	35.0	Indication fo rhino. No poaching.
Kubu Perahu, Hulu Way Tenumbang, Hulu Way Mahnai	8 Aug	16 Aug	9	4	35.0	Sign of rhino (old and new).
Pemerihan, Peg. Cawang Haro, Hulu Way canguk	12 Sep	18 Sep	7	9	30.0	Bones of rhino. Footprints of rhino (old and new).
Total for Unit 07			33	22	145.0	
Unit 07 - Monthly average field days	per unit		10.00	per person	8.00	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 08						
Hulu Way Bambang	8 Aug	15 Aug	8	4	64.0	Sign of rhino. Direct sighting of rhino.
Way Pemerihan, Cawang Haro, Way Canguk	20 Aug	28 Aug	9	4	74.0	A lot of fresh rhino signs. A lot of tracks of bird theft in Way Canguk.
Talang Aech, Tl. Simpang Duren, Hulu Way Pintau	10 Jul	17 Jul	8	4	35.0	Traditional gun (senjata locok) 1 unit. New forest encroachment in Hulu Way Pintau. Sign of rhino.
Total for Unit 08			25	12	173.0	

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Unit 08 - Monthly average field days	per unit		8.33	per person	8.33	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 09						
Hulu Way Bambang	12 Jul	19 Jul	8	4	18.0	Footprints, wallow and dung of rhino. Rhino trap. Illegal camp pf rhino poacher.
Hulu Way Pemerihan	27 Jul	2 Aug	7	6	36.0	Footprint of Sumatran tiger and tapir. Arrest 7 suspects of resin theft.
Way Pemerihan, Pematang Malang	24 Sep	29 Sep	6	9	22.0	Sign of rhino. Footprint of Sumatran elephant.
Peninggeman, Hulu Way Pemerihan, Hulu Way Canguk	14 Sep	19 Sep	6	4	47.0	Sign of rhino. No poaching. Forest disturbances.
KM. 30, Hulu Way Bambang, KM. 24	8 Aug	15 Aug	8	4	24.0	Sign of rhino.
Sukaraja Atas, Peninggeman, KM. 24, KM. 30	7 Sep	10 Sep	4	4	34.0	No poaching.
Tampang, Belimbing	18 Aug	22 Aug	5	4	64.0	-
Tampang, Way Blambangan, Danau Menjukut, Belimbing	24 Aug	31 Aug	8	4	54.0	Footprint of Sumatran rhino and tiger. Forest encroachment.
Way Canguk, Way Pemerihan	14 Sep	19 Sep	6	4	42.0	Direct sighting of 2 elephants. Direct sighting of rhino. Bones/skull of elephant. Footprints of Sumatran tiger.
Total for Unit 09			58	43	341.0	
Unit 09 - Monthly average field days	per unit		19.33	per person	6.40	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 10 (TPU)						
Bandar Dalam, Way Haru	4 Aug	10 Aug	7	3	89.0	No poaching.
Hulu Way Bambang	21 Jul	29 Jul	9	4	7.0	-
KM. 24, Hulu Way Bambang, KM. 29	25 Sep	29 Sep	5	5	15.0	Indication of Sumatran tiger.
Pemerihan, Peg. Cawang Haro, Hulu Way Canguk	12 Sep	18 Sep	7	7	30.0	Footprints of Sumatran tiger (3 sets), rhino and other wildlife.
Tampang, Belimbing	5 Jul	12 Jul	8	2	70.5	-
Ujung Pandang, Blok 7, Way Pete	22 Aug	25 Aug	4	3	25.0	Indication of Sumatran tiger.
Total for Unit 10			40	24	236.5	
Unit 10 - Monthly average field days	per unit		13.33	per person	6.63	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 11 (TPU)						
Grogol, Hulu Way Ngaras, Way Tembulih	24 Jul	30 Jul	7	3	23.5	Indication fo Sumatran rhino and tiger.
Way Mendati, Way Krengseng, Way Rilau, Prematang Langgar	9 Aug	16 Aug	8	3	30.0	Indication fo Sumatran rhino, tiger and other wildlife.
Total for Unit 11			15	6	53.5	
Unit 11 - Monthly average field days	per unit		5.00	per person	7.50	
Total for All Units			286	184	1,138.5	
Unit 04 - 09 - Monthly average field days	per unit		11.92	per person	6.93	
Way Kambas National Park (TNWK) - UNIT 01						
Camp Darmaji, Way Kanan	26 Sep	1 Oct	6	5	22.3	Arrest 4 suspects of timber theft.
D1, camp tarzan, Kalibiru, D2	11 Jul	15 Jul	5	5	23.5	Sign of rhino.

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
D2, Air Putih, Kambas R1	6 Sep	11 Sep	6	4	40.3	Arrest suspect of resin theft in some different places.
Kalibiru	23 Jul	26 Jul	4	5	14.0	-
Kambas R1, Tegal Yoso	17 Sep	21 Sep	5	4	0.0	No poaching.
Way Kanan	12 Aug	16 Aug	5	5	17.0	safe
Way Kanan, Kuala Kambas, Wako	2 Jul	6 Jul	5	6	40.5	Defeat 5 suspects of illegal poacher into the NP area through Wako.
Total for Unit 01			36	34	157.6	
Unit 01 - Monthly average field days	per unit		12.00	per person	5.12	
Way Kambas National Park (TNWK) - UNIT 02						
D1, Air Hitam, Tarsan, Kalibiru, D2	11 Aug	16 Aug	6	5	41.7	Defeat forest encroachment efforts. Footprint of rhino (mother and infant).
D1, Camp 5000, Air Putih, D2	2 Aug	7 Aug	6	5	45.0	Sign of rhino. Traces of arson. Resin theft.
D1, Camp 5000, Kambas R1	7 Sep	12 Sep	6	4	49.2	Footprint of rhino, tiger, tapir and bear.
D2, Cikarauke, R1	23 Aug	28 Aug	6	4	26.5	Sign of rhino. Illegal activity inside area
D2, Kalibiru	11 Jul	16 Jul	6	5	27.5	Sign of rhino.
Kambas R1	11 Sep	12 Sep	2	17	0.0	Arrest 2 suspects of poaching and confiscate the evidences.
Posdal Kalibatin, Ulung-Ulung, Temon	1 Jul	6 Jul	6	5	28.0	Sign of rhino.
Posdal, Way Kanan Atas, Encroachment area	23 Jul	28 Jul	6	5	33.0	Sign of rhino. Arrest 3 suspects of gaharu collection.
Resort Susukan Baru, Resort Bungur	17 Sep	21 Sep	5	4	0.0	-
Total for Unit 02			49	54	250.9	
Unit 02 - Monthly average field days	per unit		16.30	per person	4.67	
Way Kambas National Park (TNWK) - UNIT 03						
Camp C, Binjai	26 Aug	28 Aug	3	8	8.8	Arrest 2 groups suspects of fish theft.
Camp Darmaji, Way Kanan, Jalur Koak	6 Sep	11 Sep	6	4	21.0	Direct sighting of male rhino.
D2, Air Putih, Way Areng, D2	2 Jul	6 Jul	5	6	47.0	Footprint of Sumatran rhino (mother and infant). Bird theft.
Kambas R1, Tegal Yoso	17 Sep	21 Sep	5	4	0.0	safe
Pegadungan, Rasau, Way Tulung Sula, R1	2 Aug	7 Aug	6	5	67.0	Arrest suspect of poaching. Resin theft. Illegal fishing with electrical shock method.
Posdal, Way Tulung Sula	11 Aug	15 Aug	5	5	15.5	Deer trap (active).
Way Kambas	22 Aug	24 Aug	3	7	12.0	Arrest 2 suspects of gaharu collection.
Way Kambas, Way Areng	24 Jul	28 Jul	5	5	19.0	Sign of rhino.
Way Kanan, Kuala Kambas, Pedamaran	27 Sep	1 Oct	5	5	54.0	Defeat illegal fishing.
Way Tulung Sula, Way Kanan	11 Jul	15 Jul	5	6	30.0	Wallow of rhino in Way Kanan. Arrest 3 suspects of illegal fishing.
Total for Unit 03			48	55	274.3	
Unit 03 - Monthly average field days	per unit		16.00	per person	4.62	
Way Kambas National Park (TNWK) - UNIT 04						
D1, Kambas Kecil, Air Hitam, Kalibiru, D2	6 Sep	11 Sep	6	3	22.5	A new rhino range. Gaharu collection.

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
D2, Way Kanan Atas, jalur Temon	17 Sep	21 Sep	5	4	22.0	Sign of rhino
Rawa Lintah, Air Hitam, D2	23 Aug	28 Aug	6	4	34.0	Footprint of infant rhino that was never found before. The area extremely disturbed by fish and bird theft
Rawa Lintah, Rawa Kemang, Kalibiru	2 Aug	6 Aug	5	4	29.0	safe
Way Kanan, Kuala Kambas, Capangan, Tanjung Sekopong	27 Sep	2 Oct	6	4	48.0	Disperse a group of fish theft. Gaharu collection.
Total for Unit 04			28	19	155.5	
Unit 04 - Monthly average field days	per unit		9.33	per person	5.58	
Total for All Units			161	162	838.2	
Unit 01 - 04 - Monthly average field days	per unit		10.01	per person	4.85	
Ujung Kulon National Park (TNUK) - UNIT 01						
Ciemokla, Kalejetan, Kr. Ranjang, Cibandawoh	1 Sep	10 Sep	10	5	54.0	Footprint of rhino. Patrol route were safe.
Ciemokla, Kalejetan, Kr. Ranjang, Cibandawoh	20 Sep	29 Sep	10	5	60.0	Footprint of rhino. Patrol route were safe.
DAS Cikeusik	21 Jul	30 Jul	10	5	58.0	Footprint and dung of rhino.
DAS Citerjun, Citalanca, Cijungkulon	1 Jul	10 Jul	10	5	99.0	New footprint of rhino (2 sets) and dung.
Kalejetan, Ciemokla	1 Aug	10 Aug	10	6	65.0	No rhino sign. Grass extraction by people from Cegog Village.
Kalejetan, kr. Ranjang, Pangukusan	20 Aug	29 Aug	10	5	64.0	Footprint of rhino (3 sets) from the same individu. The area were safe.
Total for Unit 01			60	31	400.0	
Unit 01 - Monthly average field days	per unit		20.00	per person	10.00	
Ujung Kulon National Park (TNUK) - UNIT 02						
Kalejetan, Kr. Ranjang, Cibandawoh, Cikeusik	1 Jul	20 Jul	20	5	94.0	Decrease intruder into area.
Kalejetan, Kr. Ranjang, Cibandawoh, Cikeusik	1 Aug	20 Aug	20	5	94.0	Decrease intruder into area.
Tj. Lame, Cipakis, Ciemokla	1 Sep	10 Sep	10	6	49.0	Decrease intruder into area.
Tj. Lame, Kr. Ranjang, Cibandawoh, Cikeusik	21 Sep	30 Sep	10	5	56.0	Decrease intruder into area.
Total for Unit 02			60	21	297.0	
Unit 02 - Monthly average field days	per unit		20.00	per person	14.76	
Ujung Kulon National Park (TNUK) - UNIT 03						
Kr. Ranjang, Cikeusik, Citadahan, Cibunar	10 Aug	30 Aug	21	6	162.0	Monitoring disturbed area.
Kr. Ranjang, Pangukusan, Cibandawoh, Cikeusik	10 Jul	31 Jul	22	5	125.0	Monitoring disturbed area.
Tj. Lame, Cidaon, Cikembang, Cibunar	1 Sep	10 Sep	10	5	0.0	Monitoring rhino habitat and its behaviour.
Tj. Lame, Cidaon, Cikembang, Cibunar	20 Sep	30 Sep	11	5	229.0	Monitoring rhino habitat and its behaviour.
Total for Unit 03			64	21	516.0	
Unit 03 - Monthly average field days	per unit		21.30	per person	16.24	
Total for All Units			184	73	1,213.0	

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Unit 01 - 03 - Monthly average field days	per unit		20.40	per person	13.16	
Q4						
Kerinci Seblat National Park (TNKS) - UNIT 01						
Gn. Solang, Bantal Kanan, Bukit Tajam	22 Oct	28 Oct	7	3	40.0	Footprint of Sumatran tiger, tapir and elephant.
Gn. Solang, Kayu Aro, Bt. Bedoro, Bt. Aru	8 Oct	15 Oct	8	3	45.0	Footprint and scratch of rhino.
Ipuh Ilau, Panyukan, Hulu Air Rami	21 Nov	27 Nov	7	3	25.0	No rhino sign. Footprint of Sumatran tiger, tapir and bear.
SP. 8 Air Rami, Ipuh Ilau, SP. 8	8 Nov	14 Nov	7	3	29.0	No rhino sign. Footprint and dung of Sumatran tiger and tapir.
SP. 4 Saltlick, Gn. Bungkok, Sp. 4	7 Dec	11 Dec	5	4	31.5	Footprint of Sumatran rhino, tiger and tapir.
Total for Unit 01			34	16	170.5	
Unit 01 - Monthly average field days	per unit		11.30	per person	5.19	
Kerinci Seblat National Park (TNKS) - UNIT 02						
Air Dikit	22 Oct	25 Oct	4	3	24.5	-
Air Tembulun, A. Seblat Merah	5 Nov	9 Nov	5	5	29.6	Trap (3sets). Footprint of tapir.
Lubuk Panjang, A. Berau, Gn. Kayu Aro, Gn. Solang	6 Dec	11 Dec	6	3	21.5	Footprint of Sumatran rhino, tiger and tapir.
S. Kiang, S. Napar, Bt. Mantago	7 Oct	15 Oct	9	3	32.5	Footprint of Sumatran tiger and tapir. Arrest 3 suspects of rattan theft.
SP. 8 Air Rami, Ipuh Ilau, Ipuh Tengah	21 Nov	27 Nov	7	3	31.5	Footprint of Sumatran tiger and tapir. Wire snare.
SP. 4 Air Dikit, A. Inum, Gambir Rawas	24 Dec	30 Dec	7	4	32.5	Footprint of Sumatran tiger and tapir. Illegal agricultural activity.
Total for Unit 02			38	21	172.1	
Unit 02 - Monthly average field days	per unit		12.70	per person	6.24	
Kerinci Seblat National Park (TNKS) - UNIT 03						
Air Berau, A. Sako, Bt. Punjung, A. Telon, A. Oba	6 Dec	11 Dec	6	3	34.0	Sign of rhino and other wildlife. Tiger trap.
Air Dikit, Air Inum, Air Gambir Rawas	22 Nov	28 Nov	7	5	36.7	Footprint of Sumatran rhino, tiger, and tapir.
Air Ipuh Ilau, A. Panyukam, Bt. Gedang	25 Dec	1 Jan	8	4	40.0	Footprint of Sumatran tiger, tapir, etc.
Air Dikit, Saltlick, A. gambir Rawas	22 Oct	30 Oct	9	3	45.0	Footprint of Sumatran rhino, tiger, and tapir.
Air tembulun, Air Rami	5 Nov	11 Nov	7	4	35.0	Dung of elephant.
S. Kiang, Bt. Hulu Songkil, S. saringkil	7 Oct	15 Oct	9	3	48.5	Scratch of rhino. Footprint of Sumatran tiger and tapir.
Total for Unit 03			38	18	199.2	
Unit 03 - Monthly average field days	per unit		12.70	per person	7.50	
Total for All Units			110	55	541.8	
Unit 01 - 03 - Monthly average field days	per unit		12.20	per person	6.35	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 04						

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Kota Batu, Grogol, Hulu Way Ngaras	5 Dec	11 Dec	7	3	26.0	Sign of Sumatran rhino and tiger. Illegal shelter of fish theft.
Ngaras, Grogol, Hulu Way Ngaras, Blok VII	22 Oct	29 Oct	8	3	33.5	Sign of Sumatran rhino and tiger. Bones of 2 death elephants.
Pemerihan, Sumbersari, Way Pemerihan	19 Dec	24 Dec	6	8	24.0	Intelligence operation.
Talang Aceh, Bangkok, Simpang Duren	7 Oct	14 Oct	8	4	35.0	Direct sighting of rhino (2 individu). Footprint of Sumatran tiger. Illegal shelter of intruder.
Talang Aceh, Simpang Duren, Tl. Pagelaran	8 Nov	15 Nov	8	4	32.5	Sign of Sumatran rhino and tiger. Illegal plantation in protected area (46 ha).
Way Mendati, Way Rilau, Pematang Langgar	22 Nov	28 Nov	7	4	30.0	Sign of rhino. Forest encroachment (2 ha). Illegal plantation in Pematang Langgar.
Total for Unit 04			44	26	181.0	
Unit 04 - Monthly average field days	per unit		14.70	per person	7.12	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 05						
Karang Berak, Umbul Kapuk	15 Nov	16 Nov	2	4	4.0	-
KM. 22, Anak Way Bambang	13 Nov	14 Nov	2	5	6.0	No poaching.
KM. 29, Way Bambang, KM. 30	4 Dec	10 Dec	7	3	15.0	Sign of rhino. No poaching.
KM. 30, Hulu W. Bambang	28 Dec	30 Dec	3	4	7.0	No poaching.
KM. 29, KM. 30, Hulu Way Bambang	8 Nov	11 Nov	4	4	12.0	Sign of rhino. No poaching.
Way Asahan, Tl. Simpang, Sudi Waras, Penengahan	7 Oct	14 Oct	8	4	25.0	Deer trap. Forest encroachment (old and new).
Total for Unit 05			26	24	69.0	
Unit 05 - Monthly average field days	per unit		8.67	per person	4.13	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 06						
KM. 18, Way Pemerihan, Way Canguk, Cawang haro	22 Oct	29 Oct	8	6	33.0	Sign of rhino. No poaching. Resin theft.
KM. 21, Anak Way Bambang, Way Bambang	21 Nov	27 Nov	7	4	28.0	No poaching.
KM. 25, Way Bambang, KM. 30	7 Nov	15 Nov	9	4	25.0	Sign of rhino. No poaching. Resin theft (old and new).
KM. 25, Way Bambang, KM. 32	7 Oct	15 Oct	9	3	39.0	Sign of rhino. No poaching. Resin theft.
Pal 50, KM. 30, KM. 28, KM. 24, KM. 22	18 Dec	20 Dec	3	5	17.0	No poaching. Footprint of rhino. Resin theft.
Pal 50, Tulung Bamban, Hulu Way Bambang, KM. 25	3 Dec	9 Dec	7	4	29.0	Sign of rhino. No poaching. Resin theft.
Sukaraja Atas, Pal 50, KM. 30, KM. 28	11 Dec	13 Dec	3	7	16.0	No rhino sign. No poaching. No timber theft.
Total for Unit 06			46	33	187.0	
Unit 06 - Monthly average field days	per unit		15.30	per person	6.15	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 07						
Banjar Agung, Hulu Way Mahnai, Way Tenumbang	7 Nov	13 Nov	7	4	30.0	Sign of rhino (footprint and wallow). No poaching
Grogol, Hulu Way Ngaras, Kota Baru Ngasar	8 Oct	14 Oct	7	3	30.0	No new rhino sign.

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Grogol, Hulu Way Ngaras, Negen Ratu	21 Nov	28 Nov	8	4	35.0	Sign of rhino. No poaching.
Way mendati, Krengseng, Hulu Way Rilau, Pematang Langgar	22 Oct	27 Oct	6	3	25.0	Sign of rhino (old and new) and Sumatran tiger. No poaching.
Way Ngambur, Way Telma	5 Dec	12 Dec	8	3	54.0	No rhino sign. Fresh illegal plantation.
Total for Unit 07			36	17	174.0	
Unit 07 - Monthly average field days	per unit		12.00	per person	7.24	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 08						
KM. 21, Anak Way Bambang	13 Nov	14 Nov	2	4	14.0	Sign of rhino and elephant.
Way Pemerihan, Cawang Haro, Way Cangkok	20 Nov	28 Nov	9	6	78.0	Sign of rhino. No poaching.
Total for Unit 08			11	10	92.0	
Unit 08 - Monthly average field days	per unit		3.67	per person	6.20	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 09						
Hulu Way Bambang	13 Nov	14 Nov	2	4	8.0	Footprint and wallow of rhino.
Hulu Way Bambang	22 Nov	27 Nov	6	4	8.0	Footprint and wallow of rhino.
Hulu Way Bambang, Talang Sembilan, Hulu Way Pintau	8 Nov	11 Nov	4	8	32.0	Timber theft. Footprint and wallow of rhino. Skull of rhino. No poaching.
KM. 30, Hulu Way Bambang, KM. 21	22 Oct	29 Oct	8	5	18.0	Footprint and wallow of rhino.
KM. 30, Hulu Way Bambang, KM. 21	6 Dec	11 Dec	6	4	16.0	Footprint and wallow of rhino.
Way Pemerihan, Way Cangkok	7 Oct	13 Oct	7	4	36.0	Sign of rhino. No poaching. Forest product theft.
Total for Unit 09			33	29	122.0	
Unit 09 - Monthly average field days	per unit		11.00	per person	5.38	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 10 (TPU)						
Banjar Agung, Kubu Agung, Hulu Mahnai Balak	8 Nov	14 Nov	7	3	40.0	No tiger sign.
Grogol, Hulu Way Ngaras, Way Tembulih	22 Nov	28 Nov	7	4	22.0	Sign of Sumatran tiger. Illegal plantation. Forest product theft.
KM. 24, Hulu Way Bambang	28 Dec	30 Dec	3	3	4.0	Footprint of rhino, elephant, mouse deer and primate. safe
Sumur Jaya, Kubu Gedung, Way Basah	22 Oct	28 Oct	7	4	28.0	Sign of Sumatran tiger and other mammal.
Tampang, Belimbing, Way Sleman	4 Dec	10 Dec	7	7	45.0	No tiger sign.
Way Jambu, Way Handop, Siring Wong, Way Ngambur	8 Oct	14 Oct	7	4	25.0	Sign of rhino. No tiger sign.
Total for Unit 10			38	25	164.0	
Unit 10 - Monthly average field days	per unit		12.70	per person	6.52	
Bukit Barisan Selatan National Park (TNBBS) - UNIT 11 (TPU)						
Total for Unit 09			0	0	0.0	
Unit 09 - Monthly average field days	per unit		0	per person	0.0	

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Total for All Units			234	164	989.0	
Unit 04 - 11 - Monthly average field days			per unit 8.67	per person	6.04	
Way Kambas National Park (TNWK) - UNIT 01						
D1, Camp 5000, D2	20 Nov	24 Nov	5	6	34.5	safe
D2, Air Putih, J. Aceh, Tegal Umbo	7 Oct	12 Oct	6	4	32.0	No poaching
D2, Probolinggo, Temon	9 Nov	11 Nov	3	4	19.0	Footprint and wallow of rhino.
Gn. Kerikil, Tegal Yoso	14 Oct	15 Oct	2	9	12.5	Timber theft. Arrest 3 suspects of bird theft.
Pos Way Kanan, Camp 5000	31 Oct	1 Nov	2	8	30.0	Evidences of poaching (8 units of bicycle).
Probolinggo, Camp 5000	14 Nov	15 Nov	2	7	0.0	Intelligence operation.
Rasau, Tegal Yoso, Probolinggo	27 Oct	30 Oct	4	5	42.0	-
Rawa Bulus, Encroachment Area	29 Nov	2 Dec	4	6	14.0	No poaching. No intruder.
Total for Unit 01			28	49	184.0	
Unit 01 - Monthly average field days			per unit 9.33	per person	2.90	
Way Kambas National Park (TNWK) - UNIT 02						
D2, Persimpangan camp 5000	27 Oct	30 Oct	3	4	21.5	Secure some evidences of poaching. Footprint of rhino.
D2, Persimpangan camp 5000	4 Nov	6 Nov	3	14	21.5	Gun shot residue at a tree.
D2, Way Kanan Atas, Camp Darmaji	17 Oct	22 Oct	6	4	25.8	Direct sighting of rhino.
SRS, Kalibatin, PLG	7 Oct	12 Oct	6	4	14.8	No rhino sign. Sign of Sumatran tiger and tapir.
Way Kanan, kalibiru	7 Dec	10 Dec	4	7	18.1	safe
Total for Unit 02			22	33	101.7	
Unit 02 - Monthly average field days			per unit 7.33	per person	3.94	
Way Kambas National Park (TNWK) - UNIT 03						
Pos Susukan Baru, Simp. Sartam, Way Anda	16 Oct	20 Oct	5	4	21.0	Arrest suspect of timber theft.
Pos Susukan Baru, Simp. Sartam, Way Anda	27 Oct	1 Nov	6	4	17.0	Defeat timber theft.
SRS, Kalibatin, PLG	7 Oct	11 Oct	5	4	20.0	No rhino sign. No forest intruder.
SRS, Kalibatin, PLG	9 Nov	11 Nov	3	4	12.5	Death fishes caused by poison.
Total for Unit 03			19	16	70.5	
Unit 03 - Monthly average field days			per unit 6.33	per person	4.75	
Way Kambas National Park (TNWK) - UNIT 04						
Camp D1, Way Kambas, Camp D2	9 Nov	11 Nov	3	4	15.8	Indication of rhino.
Camp D2, Tarzan, Camp D1	7 Oct	12 Oct	6	4	25.0	Indication of rhino.
Kalibiru, Wako Atas, camp D1	17 Oct	22 Oct	6	4	35.5	Indication of rhino. Breaking up a group of poacher.
Pos Way Kanan, Kuala Kambas	29 Nov	3 Dec	5	9	40.6	A new slaughtering place of mouse deer by poacher.
Way Kanan, D1, Wako Benteng	7 Dec	11 Dec	5	4	39.0	Still able to found old rhino's tracks. Indication of bird theft around Camp Siang.
Total for Unit 04			20	21	116.9	

Location	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Unit 04 - Monthly average field days	per unit		6.67	per person	5.00	
Total for All Units			89	119	513.6	
Unit 01 - 04 - Monthly average field days	per unit		5.56	per person	2.71	
Ujung Kulon National Park (TNUK) - UNIT 01						
Geudir, Cikawung Kidul, Cipakis, Sempur	20 Nov	29 Nov	10	4	35.0	Stop timber theft by local people inside the area.
Geudir, Cipakis, Ciermokla, Kalejetan	1 Dec	14 Dec	14	5	107.0	safe.
Transek 10 (Pantai selatan - utara)	21 Oct	30 Oct	10	5	64.0	Footprints of rhino (7 sets).
Transek 10 (Pantai selatan - utara)	1 Nov	10 Nov	10	4	60.0	Footprints of rhino (9 sets).
Transek 9	2 Oct	10 Oct	9	5	60.0	Footprints of rhino (11 sets).
Total for Unit 01			53	23	326.0	
Unit 01 - Monthly average field days	per unit		17.70	per person	10.65	
Ujung Kulon National Park (TNUK) - UNIT 02						
Geudir, Cipakis, Ciermokla, Kalejetan	1 Dec	14 Dec	14	5	107.0	safe.
Tj. Lame, Geudir, Kalejetan, Cipakis	21 Nov	30 Nov	10	5	62.0	safe.
Tj. Lame, Kr. Ranjang, Cikeusik, Cibunar	1 Oct	10 Oct	10	5	81.0	Footprints of rhino (2 sets).
Tj. Lame, Peucang, Cijengkol, Citerjun	1 Nov	10 Nov	10	5	141.5	Footprints of rhino.
Tj. lame, Rorah Kawung, Cibunar, Cijengkol	21 Oct	30 Oct	10	5	84.0	Footprints of rhino (6 sets).
Total for Unit 02			54	25	475.5	
Unit 02 - Monthly average field days	per unit		18.00	per person	10.40	
Ujung Kulon National Park (TNUK) - UNIT 03						
Cidaon, Cibunar, Citadahan, Cimayang	1 Nov	10 Nov	10	5	0.0	-
Cipakis, Cimahi, Kalejetan, Ciermokla	1 Dec	15 Dec	15	5	107.0	Monitoring rhino poaching area.
Kalejetan, Kr. Ranjang	20 Nov	30 Nov	11	5	226.8	-
Kr. Ranjang, Handeuleum	1 Oct	10 Oct	10	5	127.0	Monitoring habitat and distribution of rhino.
Kr. Ranjang, Handeuleum	20 Oct	30 Oct	11	5	0.0	Monitoring habitat and distribution of rhino.
Total for Unit 03			57	25	460.8	
Unit 03 - Monthly average field days	per unit		19.00	per person	11.40	
Total for All Units			164	73	1,262.3	
Unit 01 - 03 - Monthly average field days	per unit		18.22	per person	10.07	

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PROGRAM PERSONNEL

FIRST QUARTER

(1 January - 31 March 2001)

Ir. Sulaeman Kusumahnegara	RCO – Indonesia
Dr. Nico van Strien, PhD	IRF/AsRSG Program Officer
Ir. Harjanto Wahyu Sukotjo	Regional Consultant for Way Kambas NP.
Ir. Sujatno	Regional Consultant for Bukit Barisan Selatan NP.
Ir. Wandoyo Siswanto	Regional Consultant for Kerinci Seblat NP.
Ir. Tri Wibowo	Regional Consultant for Ujung Kulon NP.
Headquarter Offices (Bogor)	
Drs. A.A. Hutabarat	Program Manager
Dadan D. Subrata, DVM	Coordinator Adm. and Database Supervisor
Shanty Maullydianthi, SE, MM	Administrative and Financial Assistant

FIELD PERSONNEL

TNKS	TNBBS	TNWK	TNUK
Ma'turidi, S.Si (FC)	Drs. Arief Rubianto (FC)	Rahmed Wahyudi, S.Si (FC)	Uus Sudjasa, D. BsC.F (FC)
R. Subagya (FA)	Hartarto (FA)	- (Out of duty commencing	Untung Sunarko (TL/FG)
Edy Kesumah (TL/FG)	Agus Sulaeman (TL/FG)	1st March 2001)	Dendin Martin (TL/FG)
Desmonth Bangun (TL/FG)	Didin Kamaludin (TL/FG)	Merly Aroc Hulu(FA)	Mustary (TL/FG)
Miskun (TL/FG)	Heryanto (TL/FG)	Suhadi (TL/FG)	Muzakir Watir
Amran (retired commencing	Suharsono (TL/FG)	Sujoko (TL/FG)	Apud saepudin
1st March 2001)	Samsu Haryono (TL/FG)	Yusuwardi (TL/FG)	Atib
Rasyidin	Miskun (TL/FG)	Agus Sunarko	Jazuli
Sakur	Afrizal SL	Amrodi	Teguh Basuki
Suryana	Agus Sunarko	Bambang Meiyono	Hutbi Wirawan
Uus Suhendar (D)	Ayi	Bonari	Nana Suhana
Iyat Suryadi	Bahara	Bahrn C.S.	Lamri
Juni Effendy	Budiono	Boston Kaloko	Sorhim
Edy Srijanto (FG)	Edy Rusmanto	Ferriagus Bangun	Hadimi
Suhara	Hendra Wijaya	Junaidi	
Herwansyah	Marsum	Joko Iswanto	
Suparmin	Juni Effendy	Rosdi Hartono	
Sukandi	Nang Jamadi	Totok Riyanto	
Gony Sahroni (retired	Olih	Sujoko	
commencing 1st March	Memet Mukri	Sugondo	
2001)	Timbul T.B.	Rudy Mazfarudin (D)	
Bahrn C.S.	Toho Hutagalung	Yahmin (Boat Driver)	
	Uga Yogaswara		
	Zen Afrial		
	S. Waja (D)		
	Suheri Nugraha MS (D)		

FC = Field Coordinator; FA = Field Administrator; TL = Team leader; FG = Forest Guard, D = Driver

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PROGRAM PERSONNEL

SECOND QUARTER

(1 April - 30 June 2001)

Ir. Sulaeman Kusumahnegara	RCO – Indonesia
Dr. Nico van Strien, PhD	IRF/AsRSG Program Officer
Ir. Harjanto Wahyu Sukotjo	Regional Consultant for Way Kambas NP.
Ir. Sujatno	Regional Consultant for Bukit Barisan Selatan NP.
Ir. Wandoyo Siswanto	Regional Consultant for Kerinci Seblat NP.
Ir. Tri Wibowo	Regional Consultant for Ujung Kulon NP.
Headquarter Offices (Bogor)	
Drs. A.A. Hutabarat	Program Manager
Dadan D. Subrata, DVM	Coordinator Adm. and Database Supervisor
Shanty Maullydianthi, SE, MM	Administrative and Financial Assistant

FIELD PERSONNEL

TNKS	TNBBS	TNWK	TNUK
Ma'turidi, S.Si (FC)	Drs. Arief Rubianto	Merly Aroc Hulu(FA)	Uus Sudjasa, D. BsC.F (FC)
Subagyo (FA)	(Supervisor RPU for	Suhadi (TL/FG)	Andri Firmansyah (FA)
Edy Kesuma (TL/FG)	TNBBS & TNWK)	Sujoko (TL/FG)	Untung Sunarko (TL/FG)
Desmonth Bangun (TL/FG)	Hartato (FA)	Yusuwardi (TL/FG)	Dendin Martin (TL/FG)
Rasyidin (TL/FG)	Agus Sulaeman (TL/FG)	Sukarman (TL/FG)	Mustary (TL/FG)
Edy Srijanto (FG)	Didin Kamaludin (TL/FG)	Amrodi	Apud Saepudin
Bahrin C.S.	Heryanto (TL/FG)	Bambang Meiyono	Atib
Hermansyah	Suharsono (TL/FG)	Bonari	Sorhim
Iyat Suryadi	Samsu Haryono (TL/FG)	Bahrin C.S.	Teguh Basuki
Sakur	Afrizal SL	Boston Kaloko	Hutbi Wirawan
Suhara	Agus Sunarko	Ferriagus Bangun	Jazuli
Sukandi	Ayi	Junaidi	Lamri
Suparmin	Bahara	Joko Iswanto	Muzakir Watir
Suryana	Budiono	Rosdi Hartono	Nana Suhana
Uus Suhendar (D)	Edy Rusmanto	Totok Riyanto	
	Hendra Wijaya	Sujoko	
	Juni Effendy	Sugondo	
	Marsum	Rudi Mazfarudin (D)	
	Miskun	Yahmin (D)	
	Memet Mukri		
	Nang Jamadi		
	Olih		
	Timbul T.B.		
	Toho Hutagalung		
	Uga Yogaswara		
	Ujang Suryadi		
	Zen Afrial		
	Suheri Nugraha MS (D)		
	S. Waja (D)		

FC = Field Coordinator; FA = Field Administrator; TL = Team leader; FG = Forest Guard, D = Driver

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PROGRAM PERSONNEL

THIRD QUARTER

(1 July - 30 September 2001)

Ir. Sulaeman Kusumahnegara	RCO – Indonesia
Dr. Nico van Strien, PhD	IRF/AsRSG Program Officer
Ir. Harjanto Wahyu Sukotjo	Regional Consultant for Way Kambas NP.
Ir. Sujatno	Regional Consultant for Bukit Barisan Selatan NP.
Ir. Wandoyo Siswanto	Regional Consultant for Kerinci Seblat NP.
Ir. Tri Wibowo	Regional Consultant for Ujung Kulon NP.
Headquarter Offices (Bogor)	
Drs. A.A. Hutabarat	Program Manager
Dadan D. Subrata, DVM	Coordinator Adm. and Database Supervisor
Shanty Mullydianthi, SE, MM	Administrative and Financial Assistant

FIELD PERSONNEL

TNKS	TNBBS	TNWK	TNUK
Ma'turidi, S.Si (FC) (No contract commencing September 2001)	Drs. Arief Rubianto (Supervisor RPU for TNBBS & TNWK)	Ali Nurdin (FC) (Starting August 2001)	Uus Sudjasa, D. BsC.F (FC)
Subagyo (FA)	Rudi Akbarta (FC)	Hartato (FA)	Untung Sunarko (TL/FG)
Edy Kesuma (TL/FG)	(Starting August 2001)	Suhadi (TL/FG)	Dendin Martin (TL/FG)
Desmonth Bangun (TL/FG)	Merly Aroc Hulu (FA)	Sujoko (TL/FG)	Mustary (TL/FG)
Amran	Agus Sulaeman (TL/FG)	Yusuwardi (TL/FG)	Entus Sutisna
Edy Srijanto (FG)	Didin Kamaludin (TL/FG)	Supriyono (TL/FG)	Apud saepudin
Hermansyah	Heryanto (TL/FG)	Amrodi	Amasan
Iyat Suryadi	Suharsono (TL/FG)	Bambang Meiyono	Atib
Junaedi	Samsu Haryono (TL/FG)	Bonari	Edi Raedi (FG)
Rasyidin	Afrizal SL	Bahrin C.S.	Hadimi
Sakur	Ayi	Boston Kaloko	Hutbi Wirawan
Suhara	Bahara	Edi Gunarto	Iwan Setiawan
Suhendar	Budiono	Ferriagus Bangun	Jajat Sudrajat
Sukandi	Edy Rusmanto	Joko Iswanto	Jazuli
Suparmin	Hendra Wijaya	Rosdi Hartono	Teguh Basuki
Suryana	Hendra Wijaya	Totok Riyanto	Lamri
	Irhamudin	Sujoko	Mirkani
	Juni Effendy	Sugondo	Muzakir Watir
	Marsum	Rudi Mazfarudin (D)	Nana Suhana
	Miskun	Yahmin (D)	Sarnapi
	Memet Mukri		Sorhim
	Nang Jamadi		
	Olih		
	Samsu Rizal		
	Timbul T.B.		
	Toho Hutagalung		
	Uga Yogaswara		
	Ujang Suryadi		
	Zen Afrial		
	Suheri Nugraha MS (D)		
	S. Waja (D)		

FC = Field Coordinator; FA = Field Administrator; TL = Team leader; FG = Forest Guard

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PROGRAM PERSONNEL

FOURTH QUARTER

(1 October - 31 December 2001)

Ir. Sulaeman Kusumahnegara	RCO – Indonesia
Dr. Nico van Strien, PhD	IRF/AsRSG Program Officer
Ir. Harjanto Wahyu Sukotjo	Regional Consultant for Way Kambas NP.
Ir. Sujatno	Regional Consultant for Bukit Barisan Selatan NP.
Ir. Wandoyo Siswanto	Regional Consultant for Kerinci Seblat NP.
Ir. Tri Wibowo	Regional Consultant for Ujung Kulon NP.
Headquarter Offices (Bogor)	
Drs. A.A. Hutabarat	Program Manager
Dadan D. Subrata, DVM	Coordinator Adm. and Database Supervisor
Shanty Maullydianthi, SE, MM	Administrative and Financial Assistant

FIELD PERSONNEL

TNKS	TNBBS	TNWK	TNUK
Subagyo (FA)	Drs. Arief Rubianto	Ali Nurdin (FC)	Uus Sudjasa, D. BsC.F (FC)
Edy Kesuma (TL/FG)	(Supervisor RPU for	(Starting August 2001)	Untung Sunarko (TL/FG)
Desmonth Bangun (TL/FG)	TNBBS & TNWK)	Hartato (FA)	Dendin Martin (TL/FG)
(Acting Field Coordinator	Rudi Akbarta (FC)	Suhadi (TL/FG)	Mustary (TL/FG)
starting September 2001)	(Starting August 2001)	Sujoko (TL/FG)	Apud saepudin
Edy Srijanto (FG)	Merly Aroc Hulu (FA)	Yusuwardi (TL/FG)	Teguh Basuki
Hermansyah	Agus Sulaeman (TL/FG)	Sudrajat (TL/FG)	Atib
Iyat Suryadi	Didin Kamaludin (TL/FG)	Amrodi	Entus Sutisna
Junaedi	Heryanto (TL/FG)	Bambang Meiyono	Hadimi
Rasyidin	Suharsono (TL/FG)	Bonari	Hutbi Wirawan
Sakur	Samsu Haryono (TL/FG)	Bahrin C.S.	Jajat Sudrajat
Suhara	Afrizal SL	Boston Kaloko	Jazuli
Suhendar	Ayi	Ferriagus Bangun	Lamri
Sukandi	Bahara	Joko Iswanto	Mirkani
Suparmin	Budiono	Rosdi Hartono	Nana Suhana
Suryana	Edy Rusmanto	Totok Riyanto	Sarnapi
Uus Suhendar (D)	Hendra Wijaya	Sujoko	Sorhim
	Irhamudin	Sugondo	
	Juni Effendy	Rudi Mazfarudin (D)	
	Marsum	Yahmin (D)	
	Miskun		
	Memet Mukri		
	Nang Jamadi		
	Olih		
	Samsu Rizal		
	Timbul T.B.		
	Toho Hutagalung		
	Uga Yogaswara		
	Ujang Suryadi		
	Zen Afrial		
	Suheri Nugraha MS (D)		
	S. Waja (D)		

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