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YABI 3RD QUARTER PROGRAM REPORT (JULY - SEPTEMBER 2010)



PREPARED BY: YABI SECRETARIAT
REVIEWED BY: WIDODO S. RAMONO



Photo by: Stephen Belcher - BBC 2010



Photo by: Cyril Ruoso





FROM THE DESK OF THE YABI - EXECUTIVE DIRECTOR

We are glad that it is the second time YABI able to present to you its quarterly report completed with activity photos, thanks to our field staff that is now active to photographically document their activities.

Activities of YABI in the 3rd quarter remain interesting and a bit busier compared with the previous one. This is due to some important happenings such as: the plan to create the Javan Rhino Study and Conservation Area in Ujung Kulon National Park, as an important part the Indonesia Rhino Conservation Strategy and Action Plan to save the Indonesian rhino, is approaching to its realization. Discussions and socialization of the project became intents in order to better rectify its outcome.

The SRS had been very busy with ordeal of Torgamba in which Tor had suffered a serious fluctuate sickness but managed to be saved by SRS's vets and team after a long and thrilling exhaustible efforts. We are fortunate to have DR. Terri Roth assisted on site and intents e-mail consultations with DR. Bryant Ben from Dubbo.

As infectious animal disease remains a concern SRS is happy receiving funding support to carry out animal disease survey. Assisted by Ms. Mariam Kamal, Pennsylvania University, the SRS's Vets carried out the survey in Way Kambas National Park and surrounding villages.

Kudos is for Drs. Dedi, Andri, and Nia who won publication awards and scientific workshops at National Veterinary Science Conference in Semarang, Indonesia. Their scientific papers are on SRS and Diseases Surveillance and Epidemiology of buffalo surrounding Ujung Kulon National Park.

Other happening that is not less important is the follow up of the findings of the 3 dead rhino skeletons in Ujung Kulon out of which DR. Terri had came out to the field, to collect soil and swap samples. Fortunately after various tests that involved a substantial paper works in sending the samples to the US; it revealed that anthrax was not involved in the cause of the death.

The rhino protection units remain as back bone in saving the rhino in BBS, Way Kambas, and Ujung Kulon, its activities remain high among others with its involvement in a joint activities with Park Authorities and Local Police to free some 6.000 hectares of Way Kambas National Park area from illegal encroachment. It is based on its acknowledged protection activities, and with facilitation of the IRF, Arief Rubianto was able to participate the Wildlife Conservation Network Workshop in San Francisco.

In order to continue its rhino conservation activities YABI appreciate very much the continued main support from PHKA, National Park Authorities, funding support from IRF and WWF as well, it also appreciates smaller donations from private supporters such Asian Rhino Programs, Lampung Farmers Community, as well as from visitors to the SRS.

Let us hope the best for a speedy progress of Javan and Sumatran rhino conservation programs, and thanks to you all for your continued support.

With best regards,
Widodo S. Ramono.

HEADQUARTER - YABI, BOGOR



Photo by: Unknown



Photo by: BBC - 2010

PREPARED BY: YANKY AGUNG WAHYUDI

REVIEWED BY: WIDODO S. RAMONO

3RD QUARTER REPORT 2010

**IRF PROGRAMS:
THE 3RD QUARTER REPORT OF HEADQUARTER - YABI
BOGOR - INDONESIA
JULY - SEPTEMBER, 2010.**

A. PROGRAM HIGHLIGHTS/ACCOMPLISHMENTS:

SECRETARIAT:

1. July 20th, 2010: YABI Executive Director presented the Rhino Conservation Programs and Progress Report of the Javan Rhino Study Conservation Area (JRSCA) within policy on Conservation of Endangered Wildlife during the National Technical Annual Meeting Coordination (RAKORNIS 2010) of PHKA - Ministry of Forestry. This Annual meeting attended by all stakeholders of PHKA - Ministry of Forestry in Indonesia.



Photos of the Director Conservation and Biodiversity - DG of PHKA, Ministry of Forestry, & YABI Executive Director Presenting The Conservation of Endangered Mammals and Conservation of Indonesian Rhino Programs in Indonesia.

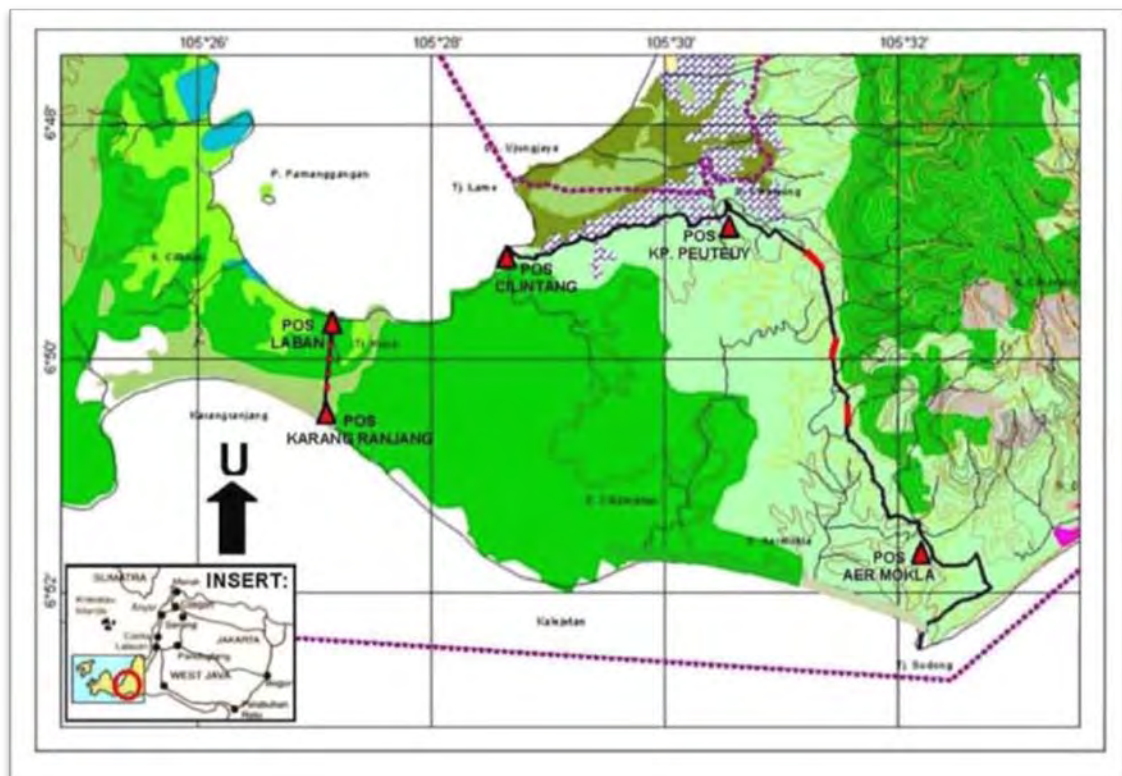
2. August 16, 2010: YABI Executive Director reported result of Investigation and swap of turbine samples of Javan rhino carcass which were discovered in Nyiur and Cikeusik Luhur areas of Ujung Kulon NP, investigations were conducted by Mrs. Terry L. Roth Ph.D, Director of CREW and Vice President of Conservation and Science Cincinnati Zoo and Botanical Garden, to the Director General of PHKA. Based on her investigation, there was no indication of *Bacillus anthracis* in both the swap sample taken from the turbine of rhino carcass as well as soil samples from the above areas.
3. Javan Rhino Study Conservation Area (JRSCA) Progress Report July - October, 2010:
 - ❖ July - Sept 2010: Developed the organization structure that includes staffing to run the JRSCA in Ujung Kulon NP. The JRSCA structure consists of YABI, Ujung Kulon NP, Banten Province, DG of PHKA - Ministry of forestry, IRF and WWF as expert and donor.
 - ❖ July - Oct 2010: Participate to the process in revision of zonation of Ujung Kulon NP such as the status of core zone into wilderness to facilitate habitat management within which includes the location of the JRSCA - Ujung Kulon NP. The process is still on-going by Ujung Kulon NP and DG of PHKA zoning team and will be completed for approval by DG of PHKA - Ministry of Forestry on November, 2010.
 - ❖ August 10, 2010: Participate to the meeting Socialization the Census Result of Javan Rhino 2010 in Ujung Kulon NP and Re-boundaries Zones of Ujung Kulon NP, this meeting attended by Officials and Head of Ujung Kulon NP, WWF - Indonesia Ujung Kulon NP Project Leader, YABI Executive Director.

- ❖ August 18, 2010: A joint work of re-mapping of the JRSCA by Ujung Kulon NP re-boundaries team and YABI.
- ❖ October 5, 2010: YABI Executive Director held coordination meeting with Mr. Ian Kosasih and Mr. Nazir Foead from WWF - Indonesia concerning development of the JRSCA and Second Habitat for Javan Rhino project.
- ❖ October 11, 2010: YABI Executive Director held coordination meeting with WWF - Indonesia Ujung Kulon NP Project Leader and the Ecological Risk Assessment (ERA) Team in YABI Headquarter, this meeting aimed to revise the proposal of JRSCA to accommodate ERA team result for the development of JRSCA on Ujung Kulon NP.
- ❖ October 15, 2010: Director of Conservation and Biodiversity - DG of PHKA, Ministry of Forestry held coordination meeting concerning the result of the Ecological Risk Assessment (ERA) team for the development of JRSCA on Ujung Kulon NP. The meeting was attended by Officials of Conservation and Biodiversity - PHKA, Head of Ujung Kulon NP, WWF - Indonesia Ujung Kulon NP Project Leader, YABI Executive Director, Rhino Task Force Members, ERA team and stakeholders from Bogor of Agriculture Institute (IPB), University National Jakarta, University Gajah Mada and University Tirtayasa - Banten.

REVISED MAP OF ELECTRIC FENCES & GUARD POSTS INSTALLMENT ON JRSCA UJUNG KULON NATIONAL PARK

Source Map: Survey Result of Ujung Kulon National Park Re-boundary & YABI Team on July 2010

Edited Map by: M. Syamsudin & Yanky AW - YABI



Map Description:

- Ujung Kulon National Park Boundaries.
- Electric Fences.
- Proposed Wildlife Corridors.
- ▲ Guard Post.

COMMUNICATION AND INFORMATION:

1. July 19 - 23, 2010: Mr. Dadan D. Subrata and Mr. Dedi Candra participating the Exhibition and Poster Session at the Association for Tropical Biology and Conservation (ATBC) Conference in Bali - Indonesia.



Photos of stand YABI in ATBC, Bali - Indonesia.

2. Sept 8 & 17, 2010: Meeting on Miss Big of Indonesia Grand final Preparation with the Director of Conservation of Biodiversity, DG of PHKA - Ministry of Forestry.
3. Sept 22, 2010: Assisted YABI Executive Director to present "anything about Conservation of Indonesian rhinos" for candidate of Miss Big Indonesia in Taman Impian Jaya Ancol, Jakarta.
4. Communication with Ms. Rosida Idriss (United Kingdom Based Seafood Consultant) regarding the visit of Mr. Richard Luney from UK retailed Mark & Spencer and Mr. Mark Seager (The Seafood Company) to gain a further understanding of its day-to-day activities.
5. Updating website and Blog (<http://disekitarbadakkita.blogspot.com>).
6. Reviewing the extension of MoU between YABI, Ms. Rosida Idriss (RAI Seafood Consulting) and Pt. INDOKOM SAMUDRA PERSADA & FARMER MEMBERS.
7. Reviewing MoU between YABI and Bogor Agriculture University (IPB), regarding Field Work Programme (PKL).

RESEARCH AND EDUCATION PROGRAMS:

1. July 6 - 8 August, 2010: Ms. Mariam Kamal as a student from Pennsylvania University - USA, collected big wildlife mammal's fecal samples in Way Kambas NP Forest concerning the Parasit Survey Project Proposal from SRS - YABI. Almost 50 fecal samples have been sent to Bogor Agriculture of Department Laboratory to be analyzed, this project is in a collaboration between SRS, RPU - Way Kambas NP, PHKS and Officials of Way Kambas NP.



Photos of Ms. Mariam Kamal with SRS and RPU - Way Kambas NP collecting big wildlife mammals fecal samples in Way Kambas NP forest.

2. July 17 - 26, 2010: Field visitation of Mrs. Terry L. Roth PhD, Director of CREW and Vice President of Conservation and Science Cincinnati Zoo and Botanical Garden, to Ujung Kulon NP concerning of Investigate the Swap and Turbine samples of Javan rhino carcass which discovered on May 20, in Nyiur and Cikeusik Luhur areas of Ujung Kulon NP and to the Sumatran Rhino Sanctuary (SRS) Way Kambas NP.



Photos of Mrs. Terry L. Roth PhD are collecting swap and turbine samples of Javan rhino carcass in Ujung Kulon NP.

3. Sept 20, 2010: YABI Executive Director presented the Indonesian Rhino Conservation Programs to the students of University of Islam National (UIN) - Jakarta.



Photos of YABI Executive Director on UIN - Jakarta.

4. October 10-13, 2010: YABI have participated in the National Veterinary Science Conference 2010 (KIVNAS 2010) in Semarang, Central Java. This is the 2nd YABI participation in Scientific event in National Level that organized by PDHI ((Indonesian Veterinary Medical Association). At this time, Drh. Kurnia Octavia Khairani and Drh. Dedi Candra as a representative of YABI were presented 4 different result study (paper) that has been conducted in Way Kambas NP and Ujung Kulon NP. Two papers from YABI have got an award for publications at the international level, paper from Drh. Kurnia Octavia Khairani that received the award is "Diseases Surveillance and Epidemiology of water buffalo surrounding Ujung Kulon NP for conservation program of the Javan Rhinoceros in Indonesia.



Photos of the National Veterinary Science Conference 2010 (KIVNAS 2010) in Semarang - Central of Java.

B. NEW PARTNERSHIPS/COLLABORATION & FUNDING OPPORTUNITIES:

1. July 13, 2010: In collaboration with Forum Badak Indonesia (FBI) and PT. Esia Telecommunication Indonesia, held a bazaar and rhino education game session for poor people in Untung Java Island - Jakarta.



Photos of rhino education game by Forum Badak Indonesia in Untung Java Island - Jakarta.

2. July 26 - August 3, 2010: Monitoring the Illegal Killing of Elephant (MIKE) and Multiagency Wildlife Enforcement Training for 6 persons RPU Bukit Barisan Selatan NP and RPU Way Kambas NP. MIKE is a big program from CITES to monitor and preserve the population of Asian and African Elephants; this training was organized by Wildlife Conservation Society (WCS) - Indonesia Program in collaboration with officials of Bukit Barisan Selatan NP.
3. September 17 - 19, 2010: Training on GPS and GIS for 20 RPU - ILEU personnel (BBSNP, WKNP & UKNP) and SRS - WKNP, in SRS by Mr. Pranjit Sarma (from Araanyak, India), facilitated by Dr. Bibhab K. Talukdar from IRF and YABI Secretariat.



Photos of training GPS and GIS on SRS - Way Kambas NP.

4. September 15 - October 1, 2010: Vegetation mapping for WKNP, BBSNP and UKNP by Mr. Pranjit Sarma (from Araanyak, India), facilitated by Dr. Bibhab K. Talukdar (IRF) and Ujung Kulon NP assisted by RPU Ujung Kulon NP.
5. Sept 25, 2010: YABI as one of the partner of DG of PHKA - Ministry of Forestry and collaborated with PT. BMC held an event "Grand Final Miss Big Indonesia 2010", an Indonesian women competition with "beautiful, big & smart" criteria. This event was attended by Ministry of Forestry, where the winner will serve as the ambassador of Indonesia rhinos of the Ministry of Forestry.



PROBLEMS:

Transfer of Director Conservation and Biodiversity DG of PHKA, Ministry of Forestry, on October 18, 2010 as one part of turn of duty who is promoted as DG of Forest Rehabilitation, hand over the directorship with officials of the Ministry, from Dr. Ir. Harry Santoso to Mr. Novianto Bambang W.

C. IMPORTANT STAFF NEWS:

1. Mr. Arief Rubianto as a Field Coordinator of Intelligent and Law Enforcement Unit (ILEU) - YABI with a full support by International Rhino Foundation (IRF) participated *Wildlife Conservation Network Expo & Workshop 2010 Program in San Fransisco, United State of America on September 28 to October 3, 2010.*

REFERENCES/NEW PUBLICATIONS:

1. July 13, 2010: RPU-BBSNP, as follow-up to results of intelligence information from ILEU-Bukit Barisan Selatan NP, conducted joint operations in illegal wildlife trading and wildlife poaching arrested suspect Mr. Omar Effendi (61 years old) with evidence of having 4 pieces Sambar deer fetal and 5 pieces wildlife stuff/offset of Sambar deer heads. This activity was in collaboration with Officials of Bukit Barisan Selatan NP, BKSDA and Police Department.



2. September 29, 2010: Website Article "*Fighting Poachers, Going Undercover, Saving Wildlife: All in a Day's Work for Arief Rubianto*" from MONGABAY.COM.
(http://news.mongabay.com/2010/0929-hance_rubianto.html).



SUMATRAN RHINO SANCTUARY - YABI, WAY KAMBAS NP



Photo by: BBC

REPORTED BY:

DEDI CANDRA & ANDRIANSYAH

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REVIEWED BY: WIDODO S. RAMONO



All Photo by: BBC



IRF PROGRAMS:

THE 3TH QUARTER REPORT OF SUMATRAN RHINO SANCTUARY (SRS) - YABI WAY KAMBAS NATIONAL PARK JULY - SEPTEMBER, 2010.

PROGRAM HIGHLIGHTS/ACCOMPLISHMENTS:

1. SUMATRAN RHINOS HEALTH CONDITION ON SRS

General conditions of the Sumatran rhinos on SRS (July - September) are in healthy and good body conditions with a bit decreased of body weight and hematology result in July, Torgamba have problems of health conditions on July - August, 2010.

TORGAMBA:

General Conditions:

Torgamba has in the "small boma" for daily activity with stable condition and normal hand feeding for 3 times daily. Since got problem on July-August and released to small boma, we were managed his schedule back to the stall for husbandry regularly. On July, his drinking behavior was changed with more drink in the boma than stall, but water intake still enough.

Health Problems:

- On July 2nd: At night with more sleeping on the concrete, looks weakness and tired. Cause probably a lot of walking in the location (boma) and no wallowing for long time because all location covering by water (floods). At this time we keep him in the stall for close monitoring by keepers.
- On July 3rd: Better appetite including drink and keepers were making a new wallow for Torgamba, he wallowing in the new wallow and after wallowing he become a normal feeding.
- The blood results on July 2nd: Indicate that he was decreased hematology and still high blood chemistry like as *Ureum* and *Creatinin*.
- On July 20th: Torgamba wallowing very long (16 hours) and this is unusual. Keepers tried to make him woke up but failed, at 4.00 Pm, finally keeper's successes bring him back to the stall. Torgamba clinical sign are weakness, lethargic, tired, loss appetite and less spirit. He just little eat feeding without drink (usually he like drink very much), we keep him in the stall until morning and again no feeding and drink. At stall he just lying flat with a bit walking, didn't want ate anything includes fruits, look tired and no urination since July 20 nights (this is also extreme). Torgamba behavior has odd and this make us worry.

Torgamba Husbandry care - Medical action on July, 2010:

1. IV fluids give it on July 21st was 9 liters and continuing give it under sedative procedure on July 24th (40 liters).
2. On July 27th (15 liters) and July 31st (40 liters).



Photos of Torgamba: Torgamba looks weakness, lethargic and just lay down when he got health problem on July 20, 2010. We give him supporting therapy few times in this month. Giving infusion is not easy because we only have a vein in the ear that can't infuse loaded and during procedure given him sedative. About 15 hours each period of therapy and this in turn requires staff power to maintain Torgamba during procedure. All staff involved in this activity without reducing attention to other rhino. Keepers and veterinarian standby 24 hours for Torgamba husbandry care.

On July 2010, Torgamba Diagnosed are:

1. Anemia chronic.
2. Kidney failure chronic.
3. Metabolism disorder.
4. Mastication problem - old and worn of teeth.
5. Degenerative diseases - Decreases all organ function.

Treatments:

1. AB TMS 15 tabs PO (pm) for 10 days.
2. Oil fish 20 cap PO (am) for 4 days.
3. Vitamin (Neurobion Vit B) 10 cap PO for 10 days.
4. Electrolyte powder Hygain Regain 30 gr daily PO.

- On August 2nd, 2010: Condition Torgamba has improved and better after last IV fluids therapy administration, he became interested in food and drink but because condition of worn (old) teeth and we must provided a lot young food supply with high variation. He looked fresher and increased spirit with few time started urine spray. Torgamba condition was still stable with began a lot of eating and drinking. Average in two days to eat 18 kg of leaves, 15 kg fruits and drank 65 liters per day. Although his condition has improved but still require intensive monitoring to anticipate the worst conditions. Sometimes it is difficult to predict of his health condition.
- On August 6rd, 2010: Torgamba condition is still stable, Torgamba started eating and drinking, more often although little by little and in 24 hours Torgamba has enough feed, although not as much as in normal condition. Torgamba also has getting restless in the cage and wants out to his boma. If we look Torgamba conditions now have a split sense, of both optimism but pessimistic too and therefore we tried to be prepared plans with for these two possibilities or scenarios.

Plan for Torgamba:

If Recovered (Survive)

1. Provides small locations (Boma) slightly larger than stall. Torgamba started to get out of the cage but we still worry if entered to location rather broad. Small Boma is the best solution at the moment and will be expanded depending on the development of Torgamba health conditions.
2. Providing high natural food with good quality and variety. Already done by providing a standby staff in the Torgamba stall every day.
3. Stay implement husbandry care as has been done in recent time is to maintain stable conditions. Veterinarian standby at the SRS.
4. Providing equipment and medicines for treatment and emergency complete.
5. Keeper Torgamba 24-hour monitoring.
6. Consequence of Torgamba full maintenance costs will be increase.
7. Dr. Bryan Benn from WPZ Australia in on call position if the situation worsened.

If Not Survived

1. YABI sent a letter to Indonesia Government (PHKA), informing both possibilities.
2. YABI and IRF prepare a press release about the death of rhino to media for publish.
3. Necropsy protocol. Necropsy will be conducted at SRS Way Kambas and organ samples sent to the Pathology Laboratory IPB, Bogor (we have contact persons in the reference lab). Pathologist from our zoo could be available to travel to help SRS with the necropsy if this should be necessary (Dr. Cheryl Sangster).
4. Gamete rescue protocol. Conducted at SRS and if not possible will be sent to the Embryology and Reproductive IPB Laboratory (we have contact persons in the reference lab). From first discussions about the information obtained is similar to gamete rescue protocol has ever made in 2007 and then only need to emphasis to the implementation of the technical field, perhaps with a clear division of tasks. Gamete rescue protocol we going to make immediately the draft protocol.
5. Preparing equipment for necropsy.
6. Preparing Formalin.

- On August 13, 2010: Torgamba has improved and gained stable condition but not normal yet. He has feeding enough like as 25 kg of leaves, 15 of kg fruits and 50 liter of drink daily. Body weight also has stable with a bit decreased (650 kg) and still kept in the stall not being released to “boma” although in the last few days he wanted to be out of the stall. Torgamba daily behavior had significantly changed often got the problem, he has shorter, sleeping at this time and feeds every hour (usually he feeds 3 times in 24 hours). At this situation it is more difficult to keep good husbandry care because keeper must give hand feeding every hour and prepare fresh browse anytime.
- Blood work on August 8, 2010 - in general looks good:
 - Hematology result is: WBC (11.2), RBC (3.67), HB (10) and PCV (28.6). Eos (3), Bands (3), Segment (56), Limfosit (31), Monosit (7).
 - Chemistry result is: Ureum (37), Creatinin (4.8), SGOT (80), SGPT (62), LDH (436), Na (123), K (6.3), Cl (95).

Discussed with expert from IPB Bogor especially from Pathology, Reproductive and Embryology laboratory for necropsy and gamete rescue protocol. For smooth implementation of necropsy an agreement between YABI and IPB is required. Hope we can make the MoU immediately. Our discussion focusing on simple technique in the field and the need to prepare some material before necropsy process and analysis sample.

- On August 17, 2010: Physical and behavioral Torgamba conditions start to getting better and improved, although not as good as before he got health problem (sick), the results of blood tests showed.
- Blood work on August 17, 2010 - for few items showed bad results:
 - Hematology result is WBC (8.5), RBC (3.03), HB (8.2) and PCV (23.6). Eos (1), Bands (0), Segment (51), Limfosit (47) and Monosit (1).
 - Chemistry result is **Ureum** (62 – very high increased), **Creatinin** (3.4 decreased), SGOT (99), SGPT (36), LDH (970), Na (126), K (5.5), Cl (97), Ck (2171).
- Although it is a concern that urea levels are high, the blood results are encouraging. Even though they are usually considered together, creatinine is actually a much better indicator of kidney function than urea (because urea can be influenced by other factors e.g. hydration status). It is also good to see the number of band neutrophils in his blood picture have reduced. Blood results like that possibility because compensation of organ functions to better or stable for degenerative disease (old rhino), 2-3 days ahead blood test will be taken again to check for confirmation.
- The most important thing is Torgamba's clinical presentation and behavior. If his attitude and appetite are consistently improving then it is hopeful. It is also a really good sign that his body weight is stable. It is interesting that his CK and LDH levels remain mildly elevated. This may reflects mild muscle damage due to increased time spent lying down (i.e. wallowing). Alternatively, it is possibility of muscle or soft tissue damage.
- The food by hand feeding has increased since the early August 2010 with average daily consumption of 20 kg of browse, Fruits 15 kg and drinking water 50 liters. Body weight was also stable 650 kg (August 15, 2010). His behaviors have significant changed to

become more active, aggressive, often urine spray and appeared much stronger. Torgamba also indicated a desire to get out from the stall (cage) with was able to snort (since he was sick it was never done) but we still kept him stayed inside the stall for observation and blood taking samples again. We also have prepared smaller locations for him because if he's put into a bigger location, he will be wallowing for long time (3-4 hours or more) and before being released will be conditioned in the stall first in order trying to learn us a pattern of hand feeding time (3 x in 24 hours) and hope when in the boma location is not problem. This is interesting case where the result of blood showed bad but generally he looks healthy. Regarding euthanasia option, we were all in the SRS does not agree with it because of various considerations, especially emotional and sense of belonging. We will make every effort of husbandry care for Torgamba before his death. Kidney disease has been difficult for us to figure out in rhinos. For some rhinos, a diagnosis of renal disease is followed by years of good quality, healthy life followed by mortality from another cause. In other cases, we have discovered renal failure post-mortem with no prior indication of reduced renal function. Since we have no experience in renal disease in Sumatran rhinos, and all species can be different, there is not a lot of additional insight we can offer. The main goal for Torgamba should be to try to anticipate times when he may suffer from dehydration. For some reasons, most of his major sick periods have started in July- August. Use of medicinal forest plants and other herbal remedies (such as Nonie) are also worth for trying.

- On August 20, 2010: Torgamba condition still looks good. Since a few days ago he was always walking a lot in the stall and wanted to get out to a larger location. If viewed as a general Torgamba conditions was like before got problem and hope this good condition will last long. Blood results on 19 August, 2010:
 - Hematology WBC result is (8.6), RBC (3.56), HB (9.7) and PCV (28). Eos (4), Bands (0), Segment (51), lymphocytes (42) and Monocytes (3).
 - Chemistry result is U (47), creatinin (3.6), LDH (915) and CK (1553).

We had given him antibiotic TMS for 10 days before the last IV fluids therapy and after that we did not give anything including phosphorus supplement. Fresh and high variation food is important for him right now. Sometimes during got the problem we had given him fish oil and vitamin E orally. Our plan is we will give him oil fish (+omega 3) and vitamin E again.

This morning after breakfast, Torgamba released to a larger location (small Boma), he looks very happy; he did urine sprays, marking location and occasionally jumping for joy. Then he goes to the wallow that has been prepared before. He mixes mud wallow with high spirit and then wallowing there. He just wallowing for short time and explore location again. After that he went back into the cage to eat. We are very glad he does not wallow too long and we still can feed him.

Hopefully Torgamba will be fine in the new location.



Torgamba conditions improved and better after few times giving IV fluids therapy. Torgamba appetites much better and started eating the prepared leaves. Almost a month he only lives inside the stall because we need to give him intensive health care. When released into a small location (boma) he was very excited, he ran around, jumping to joy and go to the wallow for wallowing. With great enthusiasm he explored the location of which it is larger than the stall. We are very happy to see his condition better as he did urine spray again. Hopefully he can live much longer.

- September 2010: Torgamba has been in the “*small boma*” for daily activity with stable condition and normal hand feeding 3 times daily. Since he got problem on July-August and released to small boma we managed his schedule to go back to the stall for regular husbandry. In this month his drinking behavior has changed with more drink in the boma rather than in stall but water intake quantity is still normal.
- Give routine supplement 2 cup phosphorus daily per oral. For the next month we need to order phosphorus supplement again and construct other small bomas. Small boma is important for Torgamba to date because his health condition with not enough strength for full activities in a big area (big boma).

Action and Plan for Torgamba husbandry care:

1. General activity in the stall and since August 20 was enlarging location to small boma.
2. Not much we can do for treatment of Torgamba condition with a bad diagnose and prognosis of kidney failure. Provide around the clock care
3. Offer water ad lib - Give full access to water (fresh water, salt water, electrolyte water).
4. Give 10 - 20 water per rectum daily whenever oral fluids intake 15 less than 20 L.
5. Monitor temperature few times daily.
6. Give antibiotic TMS 15 tabs PO.
7. Give electrolyte powder supplement.
8. Give Phosphorus supplement.
9. Monitor daily food and water intake.

10. Measure body weight weekly.
11. Take blood sample for routine hematology and biochemistry as often as possible.
12. Monitor urine by dipstick refract meter regularly (especially urine protein and SG).
13. Monitor fecal sample.
14. 24-hour standby Keeper - (one for the morning-Afternoons and 2 for the nights).
Transfer information when keeper changes.
15. Keep cages and Boma clean (clean up feces every time)
16. Offer fruits ad lib while leaf intake is low.
17. Since got the problem, Torgamba just stay in the stall. Give Torgamba temporary wallow by covering his body with mud few times daily.
18. Supporting therapy with intravenous infusion (IV) fluids again. Consider IV fluids with the animal sedated when the following parameter changes if Torgamba condition get worse.
19. Dedi Candra will discuss and coordinate with reference laboratory in Bogor for others mineral serum sample analysis, blood parasite, necropsy protocol (*Embryology, Reproduction and Pathology* laboratory) especially for gamete rescue.
20. Prepare material for necropsy in the SRS.

ANDALAS:

General Conditions:

Andalas is in good condition on July-August 2010 with the average body weight of 753 Kg on July and stable to August 2010, but a bit decreased body weight and drinking on September 2010.

Health Problems:

- During last pairing with Bina on September 15, 2010: Andalas browse consumption has been low in the forest, he suffered few spot injury (*laceration*) in the head. The wounds a bit worse after continued breeding program (courtships activities) with Ratu on September 27, 2010.
- His condition and energy decreased post breeding for few days because during breeding program full activity with just a few minutes wallowing or rest.
- Andalas condition becomes normal after recovery times.

Treatments:

His injury is in healing process with daily care and vitamin supplement (Neurobion) given on September 2010.

BINA:

General Conditions:

Bina is in good condition in July-August 2010 with the body weight 660 Kg in July and stable in September 2010.

Health Problems:

- Bina has intermittent of eye problems of ocular cloudiness related to excessive exposure to UV radiation on September 2010, but still under control.
- September 15, 2010: Bina got head wounds post pairing with Andalas but not serious and healing process runs well.

RATU

General Conditions:

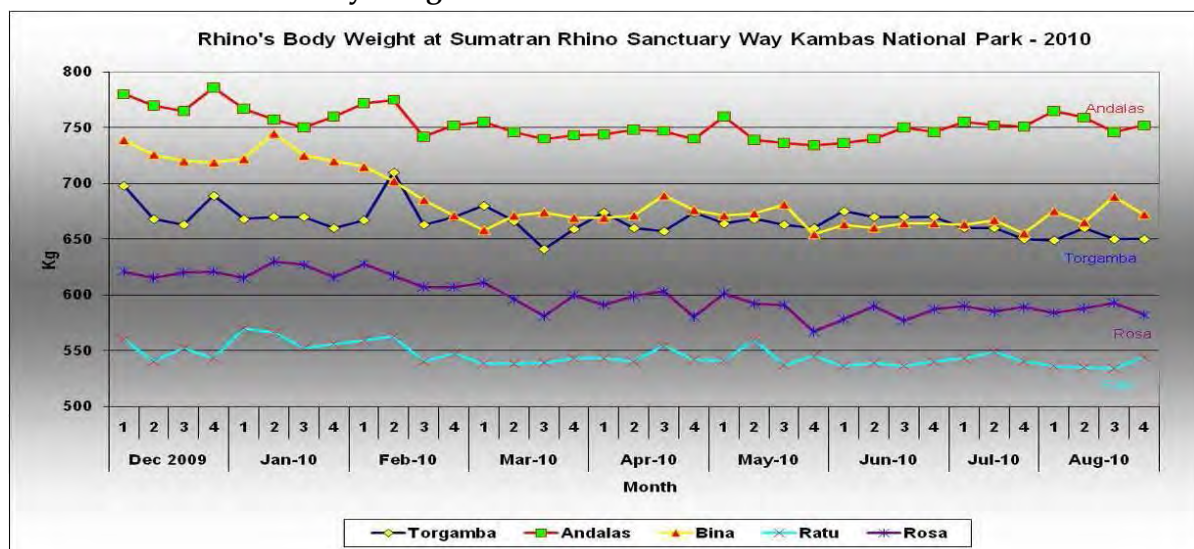
Ratu is in good condition on July-August 2010 with the body weight 540 Kg in July and stable. She has good condition and active in the forest in September 2010, Ratu is breeding regularly with young male Andalas in September 2010 and hopefully she will conceive and pregnant again.

ROSA

General Conditions:

Rosa is in good condition in July-August 2010 with the body weight 585 Kg in July 2010 and stable, She has good condition and active in the forest in September 2010.

All Sumatran Rhinos Body Weight:



OTHER RHINOS HEALTH INFORMATION:

Hoof (foot) problem on July - September 2010:

In July and September, 2010: All Sumatran rhinos at the SRS have a bit change hoof and pad condition, found small holes, eruption and black color but not serious problem and under control.

2. RESULT OF SUMATRAN RHINOS BREEDING PROGRAM (INTRODUCE & PAIR):

❖ ANDALAS AND RATU:

Month : July 2010

Target/Priority : Ultrasound Exam Ratu for Pregnancy Monitoring

Day	Date	Times	Location	Activities	Results
1.	July-2		Ratu's Stall	Ultrasound Examination	Founded indicate small embryonic vesicle (~0.75 Cm) in uteri after 16 days post breeding.
2.	July-4		Ratu's Stall	Ultrasound Examination	Founded indicate small embryonic vesicle (~1.32 Cm) in uteri after 18 days post breeding.
3.	July-8	Morning	Ratu's Stall	Ultrasound Examination	Founded indicate small embryonic vesicle (~1.32 Cm) & confirm 2 nd pregnancy ⁽¹⁾ .
4.	July-16		Ratu's Stall	Ultrasound Examination	Not founded an embryonic vesicle or developing fetus - suspect loss of pregnancy ⁽²⁾ .
5.	July-22		Ratu's Stall	Ultrasound Examination By DR. Terry Roth	Not founded an embryonic vesicle or developing fetus - suspect loss of pregnancy with unknown cause, and confirmed by DR. Terry R.oth.

- (1) Give regumate 11Cc/oral and need more husbandry care for Ratu to anticipate risk of losing an early pregnancy (miscarriage) and this is not easy. In fact, the vesicle or fetus often drops out or loss of view especially in first trimester.
- (2) Ratu was not pregnancy and stop regumate hormone supplement.
- (3) Recommendation for next plan for monitoring Ratu's cycle:
 - Monitoring Ratu condition and behavior closely.
 - Plan for routine ultrasound schedule.

Since Ratu loss her pregnancy, for continue breeding program at the SRS we focus to Ratu again with keep monitoring to Bina and Rosa. For the first priority in the next cycle we need to see the estrus cycle.

Photos of Ratu's Embryonic Vesicle Ultrasound Result on July, 2010:



Month : August 2010

Target/Priority : Monitoring Ratu estrus cycle and plan to pair with Andalas.

Problems : Worried that Ratu would be late for the next estrus cycle after a miscarriage.

Day	Date	Times	Location	Activities	Results
1.	August		Ratu's Stall	Checked Estrus Cycle	Ratu returned to the cycle immediately.
2.	August - 18	Morning	Ratu's Stall	Introduced to Andalas	Good response during introduce with Andalas.
3.	August - 18	Afternoon	Ratu's Stall	Ultrasound Examination	Ratu have follicle 18 mm on left ovary but not clear image result.
4.	August - 18	Afternoon	Central Stall	Paired with Andalas	Ratu still keep distance but good responded.
5.	August - 19	00.47 - 06.00	Central Stall	Paired with Andalas	Andalas was success mounting Ratu 16 times.
	August - 19	06.00 Am	Central Stall	Successful Breeding	Andalas was success intromission for 20 minutes and ejaculated, Keepers success collected semen post breeding from Andalas.
6.	August - 19		Laboratory	Microscope Examination	Founded a lot of motile spermatozoa from Andalas under microscope.
7.	August - 22		Laboratory	Ultrasound Examination	Ratu ovulation confirmed on left ovary.

Plan for monitoring Ratu's:

1. Monitoring Ratu condition and behavior closely.
2. Check early pregnancy by ultrasound on early of September.
3. If she has pregnancy we will give regumate hormone again but need to discuss with expert first.

Since Ratu lost pregnancy, breeding program at the SRS will be focused to Ratu again while keep on monitoring to Bina and Rosa by ultrasound examination. For first priority in the next cycle we need to ajust with the estrus cycle.

Photos of Breeding Program: Ratu and Andalas successful breeding on August 19th, 2010:



Month : September 2010

Target/Priority : Introduce Ratu with Andalas.

Problems : Difficult to monitor Ratu's estrus cycle since loss pregnancy (*miscarriage*)

Day	Date	Times	Location	Activities	Results
1.	September - 5		Ratu's Stall	Ultrasound Examination	Did not find any indication or sign of pregnancy and Ratu has a large follicle of 22 mm in her right ovary.
2.	September - 25		Ratu's Stall	Ultrasound Examination	Founded big follicle on left ovary but unclear image and difficult to measure.
3.	September - 26		Central Stall	Paired with Andalas	Andalas was success mounting Ratu 12 times.
4.	September - 27		Central Stall	Paired with Andalas	Andalas was success intromission for 34 minutes and ejaculated, Keepers success collected semen post breeding from Andalas.
	September - 27		Central Stall	Microscope Examination	Founded a lot of motile spermatozoa from Andalas under microscope.

Plan for monitoring Ratu's:

1. Check early pregnancy by ultrasound on October 13th and 15th (days 16 post breeding).
2. Checked weekly for the first ~75 days and then changed to monthly.
3. If her pregnancy occur will give regumate hormone again.
4. Monitoring Ratu condition and behavior closely.

Photos of Breeding Program: Ratu and Andalas successful breeding on Sept 27th, 2010:



Regumate Protocol

1. The protocol Regumate suggested for Ratu is as follows:
2. Confirm pregnancy by ultrasound 16 days after mating (or as early as possible, which might be 20-25 days after breeding).
3. Start progesterone supplement immediately (on the day pregnancy is confirmed)
4. Administer Regumate (altrenogest) orally once each day following recommendations for equine dosages (~.044 mg/kg body weight; see product label information appended). Ratu should receive 11 cc daily for a body weight of ~540 kg. We starting give Regumate on July 8th, 2010 10.00 am.
5. Using gloves draw up 11 cc of the liquid hormone. Dispense it slowly into a food item that will absorb it (CN Zoo used several slices of bread) and hand feed the food to the animal to ensure she receives the full dose.
6. Feed the full hormone dose every day at approximately the same time of day.
7. On day 454 of gestation begin to decrease the daily dosage by 1 cc each day.
8. By day 465, the female should no longer be receiving the supplement.

❖ **ANDALAS AND BINA:**

Month : July 2010

Target/Priority : Introduced Bina and Andalas

Day	Date	Times	Location	Activities	Results
1.	July 4		Bina's Stall	Start to Introduced	General bad responses from Bina.
2.	July 5 - 6			Introduced with Andalas	Good responses from both of them.
3.	End of July		Bina's Stall	Ultrasound Result	Founded no Follicle from Bina.

Month : August 2010

Target/Priority : Introduced Bina and Andalas

Day	Date	Times	Location	Activities	Results
1.	August 21 – 22		Bina's Stall	Ultrasound Examination	Founded big follicle (~22 mm) on Bina's right ovary.
2.	August 22		Central Stall	Introduced with Andalas	Good responses both of them for 1 hours.
	August 22		Central Stall	Introduced with Andalas	Rosa was approaching central area and Bina has focused to Rosa and doesn't care Andalas.
	August 22		Central Stall	Introduced with Andalas	Bina more aggressive, snoring and approaching Rosa's Gate and looked disturb when Rosa come.
	August 22		Central Stall	Introduced with Andalas	Bina tried to chase Keepers.
	August 22		Central Stall	Separated Bina and Andalas	Troubled existence of the other rhino (Rosa).
	August 24		Bina's Stall	Ultrasound Examination	Bina ovulation and suggest in estrus cycle.

Month : September 2010

Target/Priority : Introduced Bina and Andalas

Day	Date	Times	Location	Activities	Results
1.	September 15		Bina's Stall	Ultrasound Examination	Founded big follicle (~21 mm) on Bina's left ovary.
2.	September 15		Central Stall	Introduced with Andalas	Good responses both of them.
3.	September 15		Central Stall	Paired with Andalas	Nothing mounting because Bina has still a bit scared and alert, they were one night together in central stall and were first time to Bina and Andalas.
4.	September 16		Central Stall	Ultrasound Examination	Bina ovulation and suggest her estrus cycle.
5.	September 28		Bina's Stall	Ultrasound Examination	Founded big follicle on left ovary.
6.	September 29		Central Stall	Introduced with Andalas	Bad responses both of them.

Photos of Breeding Program: Bina and Andalas successful breeding on Sept 15th, 2010:



❖ **ANDALAS AND ROSA:**

Month : July 2010

Target/Priority : Introduced Process of Andalas and Rosa

Day	Date	Times	Location	Activities	Results
1.	July 10 – 11		Central Stall	Introduced with Andalas	Rosa still scares when paired in central area.
2.	End of July		Rosa's Stall	Ultrasound Examination	Founded big follicle – cysts follicles.

Month : August 2010

Target/Priority : Introduced Process of Andalas and Rosa

Day	Date	Times	Location	Activities	Results
1.	August - 23		Central Stall	Introduced with Andalas	Bad responses from Andalas, he went to the wallow and Rosa try to escape through the fences ⁽¹⁾ .
	August - 23		Central Stall	Introduced with Andalas	Founded big follicle – cysts follicles.

⁽¹⁾ Need more attention and solution for Rosa breeding behavior.

Month : September 2010

Target/Priority : Introduced Process of Andalas and Rosa

Day	Date	Times	Location	Activities	Results
1.	September - 23		Central Stall	Introduced with Andalas	Bad responses from Rosa, but better response than introduces on July, 2010.

❖ **Torgamba:** Since he got health problem on July - August, 2010, we don't continue introduction activity anymore with Rosa, Ratu or Bina.

3. OTHERS PROGRAM:

PARASITIC SURVEY IN THE WAY KAMBAS NATIONAL PARK:

Ms. Mariam Kamal, student of Pennsylvania University to help SRS veterinarian parasitic survey in the Way Kambas National Park on July 5th - August 13th, 2010:

- Collected Sumatran rhino fecal samples from SRS and Sumatran elephant in PLG.
- Collected fecal sample from village livestock (buffalo, cattle).
- On July 23rd - 27th and August 5th - 8th: Followed routine RPU patrol to collected fecal sample from 3 endangered mammals (Rhino, Elephant and Tiger) in Way Kambas NP Forest.
- On July 23rd and August 10th: Presented education and awareness rhinos program with SRS and RPU staff to the Senior High School at Way Jepara, Lampung Province.
- On August 13th: Discussed and follow reference laboratory activity at FKH IPB Bogor - Helminthes (DR. Yusuf Ridwan) and protozoa laboratory (DR. Umi Cahyaningsih)
- On August 13th: Presented her activities at YABI Headquarter.
- Completed report on October 2010.



SRS staff, Way Kambas NP staff and Pennsylvania student collected fecal sample in the Way Kambas NP area including villages bordering Way Kambas NP.

4. NEW PARTNERSHIPS/COLLABORATION & FUNDING OPPORTUNITIES:

VISITING GUESTS/TOURIST/ETC:

❖ July, 2010:

1. Students from FKH - Bogor Agricultural University (IPB).
2. Safari Garden Indonesia, group lead by Mr. Jansen Manangsang.

❖ August, 2010:

1. August 7th, 2010: Indonesia Forestry Department - Information centre of forestry (PIKA).
2. On August 8th, 2010: Teachers from Senior High School (SMA I) Way Jepara Lampung.
3. August 10th, 2010: Indonesia Forestry Department - PHKA.
4. August 23rd, 2010: Indonesia Forestry Department - Inspectorate General and Head of Way Kambas NP.

❖ September, 2010:

On September 27th, 2010: Mrs. Rosida Idriss (UK based Seafood Consultant) with her clients Mr. William Rash (Anchor Seafoods) and Mr Richard Luney (Marks & Spencer) visited the SRS. The purpose of the visit was to see the activities undertaken by SRS and to gain a further understanding of the rhino breeding program.

- SRS Veterinarian gave a presentation about the rhino breeding program.
- Discussed - Mrs. Rosida Idriss and groups give small regular donations to SRS, which helps fund the Sumatran rhino breeding program.



Mrs. Rosida Idriss (UK based Seafood Consultant) with her clients Mr. William Rash (Anchor Seafoods) and Mr. Richard Luney (Marks & Spencer) visit SRS.

VISITING SCIENTISTS AND ADVISORS:

❖ July, 2010:

1. On July 5th - August 13th, 2010: Ms. Mariam Kamal as student from Pennsylvania University - USA to help SRS veterinarian parasitic survey in the Way Kambas National Park.
2. On July 21st - 27th, 2010: DR. Terri L. Roth, PhD as Director of CREW and Vice President of Conservation and Science Cincinnati Zoo and Botanical Garden - USA and International Rhino Foundation. DR. Terri L. Roth, PhD donated Ultrasound Recorder for SRS - YABI.



Recorder: Blue Raven - Media Mate 7080, Donated from DR. Terri L. Roth, PhD.

❖ August 30, 2010:

YABI executive director, head secretariat and IRF liaison visited to SRS and discussed with SRS and RPU Way Kambas NP staff and Ramadhan pray together on SRS.



❖ September, 2010:

1. On September 13 - 20, 2010: Dr. Bibhab Kumar Talukdar from IRF and Mr. Pranjit from Aaranyak India held GIS and GPS training for RPU Way Kambas NP, RPU Bukit Barisan Selatan NP, RPU Ujung Kulon NP and SRS.
2. On September 17, 2010: Widodo S. Ramono as YABI Executive Director opening the training GIS and GPS.

5. PROBLEMS:

❖ **TORGAMBA'S HEALTH CONDITION:**

Torgamba is an old Sumatran rhinoceros with worn of teeth. He's finds very much difficulties to cutting or chewing hard food; previously he's very strong, cutting leaf or twig with his teeth with no problem but now he can't do anymore. In order to supply daily food supply young browse without twigs need to be supplied and must be given hand feeding by his keepers. He like food from the bush (shrub) very much because it is soft and easy to mastication, the problem is very difficult to find the feed from shrub of the forest and found only in border of National Park or villages but high risk from exposure to pesticide residues from NTF banana plantations. Keepers are trying to find feed for Torgamba from the jungle with high variation but generally feed from the forest are harder and this decreases his feed consumption in general. Need best solution for this problem soon to keep his feeding enough. Few options to be tested include: Cut feed from the forest by machine with a hope that it can help process of mastication and provision of concentrates as a feed supplement. This option need to be discuss with nutrition experts.

6. REFERENCES/NEW PUBLICATIONS:

1. SRS Monthly Report, July 2010 by Drh. Dedi Candra and Drh. Andriansyah.
2. SRS Monthly Report, September 2010 by Drh. Dedi Candra and Drh. Andriansyah.
3. SRS Monthly Report, August 2010 by Drh. Dedi Candra and Drh. Andriansyah.
4. SRS Update Report of Sumatran Rhinos Health on July - September 2010.
5. SRS Facilities Report (July - September, 2010) by Mr. Sumadi Hasmaran.

**RHINO PROTECTION UNIT (RPU) ACTIVITIES & PERFORMANCE REPORT
BUKIT BARISAN SELATAN NP, WAY KAMBAS NP & UJUNG KULON NP**



PREPARED BY: M. WALADI ISNAN & M. SYAMSUDIN
REVIEWED BY: WIDODO S. RAMONO



PROJECT TITLE : PROTECTION PROGRAM OF YAYASAN BADAK
INDONESIA

Reporting Period: July - September 2010

Name and Address of Grantee:

1. International Rhino Foundation (IRF)

Executive Director, International Rhino Foundation
138 Strasburg Reservoir Road
Strasburg, VA 22657
Tel/fax: 540-465-9595
Email: s.ellis@rhinos-irf.org

Authorship:

Reporting provided by Protection Manager (Mr. M. Waladi Isnani). Material and information gathered from RPU - ILEU field report and associated document.

Executive Summary:

The decline of Sumatran and Javan rhino has been in process for a long time. The Javan rhino for example was eliminated from Malaysia in the 1930's. Meanwhile, following the Sumatran rhino PHVA (1993) indicated that the decline of Sumatran rhino probably 50% during the last decade. The total population of Sumatran rhino in Indonesia is estimated only 215 – 319 and will be extinct for the next decade if there are no appropriate and serious management. (Strategy and Action Plan for the Conservation of Rhinos in Indonesia 2007 – 2017). Rhino decline in South East Asia is due to a combination of reduction in habitat and overexploitation of rhino (most recently by poachers after the horn). At this time, poaching pressure continues to be high in Indonesia; hence there is a strong need of this country to emphasize anti-poaching activities. To this, the rhino protection program of Yayasan Badak Indonesia (YABI) is activated to answer the need. Rhinoceros is subjected to poaching pressure both from hunters and from trappers who use gun, wire snares and other traps that maim to kill animals. The method employed in poaching prevention are primarily in forms of field patrols to search for traps and other signs of poaching attempt, to destroy these traps, and to collect evidence to identify and apprehend the suspects involved. Ambush method to apprehend poachers with guns were also practiced. While in support to field patrol intelligence activities is operated to assist in the apprehension of poachers and identify the routes of illegal trade of protected animal parts (horn, skin, hooves etc.).

The Indonesian Rhino Protection Program of YABI integrates partners of Governmental and non-governmental bodies namely: Directorate General of Forest Protection and Nature Conservation of the Ministry of Forestry, International Rhino Foundation and World Wide Fund for Nature as well as local villager. The program entails series of approaches which includes: wild population protection by intensive patrolling of areas to detect traps and arrest intruders, more intensive and extensive surveys and monitoring of the rhino population, and

intelligence operations to assist in the apprehension of poachers and identify of illegal routes used for the horn trade and establishment of rhino database system using the Geographic Information System (GIS) techniques.

The Indonesian Rhino Conservation Program (that was originated from GEF Project and that is now has merged into YABI) and this Rhino Protection Program of YABI fully understood that the program is very costly. But, it is important to bring an understanding the operation of Rhino Protection Units (RPU) backed-up by Intelligence and Law Enforcement Unit (ILEU) is the most effective measure in protection of rhinos in the wild. Therefore it is important to develop a simultaneously funding plan for sustainability of rhino conservation program.

Introduction

The decline of both species of rhinoceros, Sumatran and Javan, has been in process for a long time. The populations of Sumatran rhino have been reduced to 50% in the last decade and will be extinct for the next decade if there are no serious and appropriate management of rhino. Its decline in range and number in Sumatra is attributed chiefly to fragmentation of its habitat through indiscriminate forest clearance and to poaching, stimulated by the illegal trade in horns, hides and hooves, and other parts of rhino's body.

A population and Habitat Analysis conducted in November 1993 in conjunction with the IUCN SSC and its Conservation Breeding Specialist Group (CBSG) and the AsRSG 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 around 200 (215 – 319). Meanwhile, the previous estimate had been 420 – 875. The GEF project RPU YABI estimates that until June 1998 the presence the population of Sumatran rhino in Kerinci Seblat National Park 27 – 32, Bukit Barisan Selatan National Park 40. - 50, and Way Kambas National Park 24 - 30

Although the Javan rhino population in Ujung Kulon National Park seems to be holding at about 50 –60, yet 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 no prosecution has in progress at that time. Although rhino poaching evidence and attempt was not found during this quarter, poaching of other wildlife such as deer, birds, langusts/lobster and other marine products were still occurring.

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

The YABI Protection Program of provides protection of rhino from poaching and habitat disturbance for viable nucleus populations of Sumatran and Javan Rhinos through the establishment and operation of Rhino Protection Units, and supporting management, coordination and supervisory structures. Formerly, YABI had been operated 17 Rhino Protection Units (RPU) until middle of 2009, while due to shortage of funding in this quarter,

only 16 RPUs continued their operation in and surrounding areas of Bukit Barisan Selatan (7 RPUs), Way Kambas (5 RPUs) and Ujung Kulon (4 RPUs) National Parks.

Objectives

The objective of the Program 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.

The Indonesian Rhino Protection Program of YABI itself addressed 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.

Output

1. Establishment and operate of at least 16 Rhino Protection Units (RPUs) in Sumatra and Java.
2. Establishment and operate Intelligence and Law Enforcement Unit (ILEU) to support law enforcement process which is undertaken by RPU and Park authority or proceed to identify information of threats from ILEU's informants for further judicial process. .
3. Community facilitation for better livelihood and to reduce threats from surrounding community.

Changes: -

Progress:

The Rhino Protection Program of YABI 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 outcome of operations of 7 RPUs in Bukit Barisan Selatan National Park (BBS NP), 5 RPUs in Way Kambas National Park (WK NP) and 4 RPUs in Ujung Kulon National Park (UK NP) is reported as seen in Annex 1. (*RPUs Activities Report Period Julyl – September 2010.*), as per attached.

WK performed the lowest field day per person 15.28 if it is compared with BBS (17.43) and UK (21.67), because they performed 8 patrols of their total activity (67). The WK RPU had been actively envoled in a successful collaborative operation with Park Authority to remove old encroachment in Sekapuk and Kuala Kambas, and arrest some suspects to bring to police station.

During the implementation of this activity such as surveys and patrols the RPU/RMPU achieved numbers of surveys, distance walked and duration of time they have utilized in every

each of their activities. The Team also encountered many cases of illegal activities in the National Parks and the rhino conservation areas, into which prosecution had been made through filing the cases and hand the cases to local Police Stations.

The achievements of the Protection Program for this period July - September 2010 is described below in *Annex 1*.

Records on illegal killing of animals and other forest offenses detected by both RPUs (BBS, WK and UK) and ILEU is shown in *Annex 2*.

The field days per month of RPU's personnel is shown in Annex-1.

Intelligence and Law Enforcement Unit (ILEU) has been operating to identify the threats which come from surrounding people or outside of the Park; its operations also covers identifying possible facilitations for raising local's alternative income in order to reduce threats to the park and its rhinos. There are only 3 personnel's in this unit. They work in collaboration with informants, RPUs, Park Rangers and Police, in the case that they have a confirmed case and need to apprehend the suspect/s for further law enforcement efforts. ILEU's base operation is in BBS and the surroundings, hence they also available to assist ILEU operation in both WK and UK NPs.

ILEU's findings of their activities, together with RPU BBS findings, is reported in Annex-2,

Conclusions and Recommendation:

In this period, the average number of field days per month of every person of RPU in BBS and WK has been less than the Program required of 20 days/month.

But, RPU UK achieved 21.67, have walked 558.27 km (previously 514.09 km in Q1 and 499.78 in Q2).

RPU WK achieved 15.28 (compare with previous Q2 was 17.51) as the result of only 8 of all their 67 activities were patrols / surveys, while their other activities were involvement in collaborative operation to remove encroachment, drive elephant, trainings. Distance of walk for patrol and survey was 191.3 (compare with previously in Q1 was 264.2 km in Q1 and Q2 was 351.6).

RPU BBS has achieved 17.43, higher than previous Q1 17.00 and Q2. It was from their 20 patrols/surveys activities out of all the 45 activities. Distance of walk for patrol and survey was 517.1 km (compare with previous Q1 was 1.206.5 and Q2 was 766.5). The other activities were their involvement in collaborative operation to remove encroachments and investigations of cases and in wildlife-human conflict resolutions (elephant conflicts).

There was no direct sighting of rhino in BBS, WK and UK but, for Ujung Kulon, the RPU encountered the largest number of rhino signs (74 footprints and 75 of other signs).

Based on the patrol and survey in Ujung Kulon, it was found that poaching of non mammals (2 cases of fishing), 1 trap for mouse deer and three cases of tree felling were signs of serious threats to the park. Those infractions of regulation had been anticipated by RPU together with

Park Authority.

While in WK, 30 illegal activities encountered were mostly located within encroachment area, which are all non rhino poaching.

In BBS, mostly was non mammals poaching (fishing and bird trapping) encountered when RPU undertook patrol / survey. Meanwhile the Program must help to keep an eye and be aware of the abandoned encroachment areas in Way Kambas and Bukit Barisan Selatan from which people will usually do poaching on this or its adjacent area. Further, wildlife trade indications in both surrounding areas of WK and BBS are still occurring.

The Program had found many rhino footprints in this period but it cannot be utilized to determine the number of rhino population. It still needs to be analyzed with more sophisticated methods.

YAYASAN BADAQ INDONESIA - YABI
Rhino Foundation of Indonesia - RFI

ANNEX-1:

QUARTERLY ACTIVITY AND PERFORMANCE REPORT

1 JULY - 30 SEPTEMBER 2010
(Q3)

BUKIT BARISAN SELATAN NATIONAL PARK

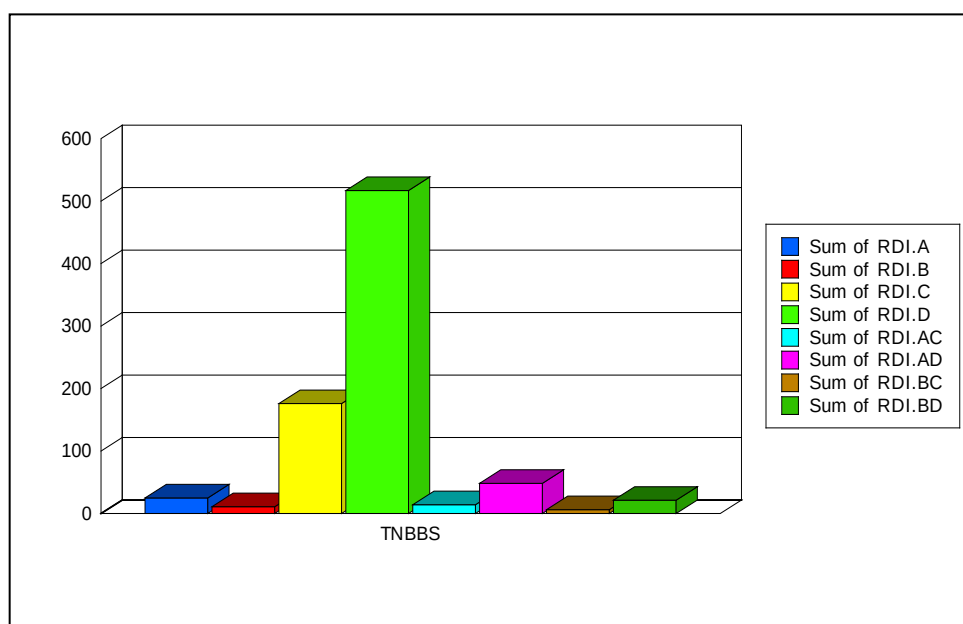
BASIC POPULATION PARAMETERS

Number of Footprints	Number of Locations with rhino signs					
	Footprints	Wallows	Feces	Feeding	Other Signs*	Direct Sighting
25	21	7	1	0	3	0

* Include Urine, Scratches, Rubbings, etc.

During the 20 Patrols/Surveys in this period, 32 independent signs of rhino were encountered but no direct sighting

RHINO DENSITY INDICATORS



Rhino		RPU Field Presence		Density Indicators			
A	B*	C	D	A/C	A/D	B/C	B/D
Number of print locations	Number of Rhino Signs*	Field Days**	Distance Walked***	Rhino prints/ 100 days	Rhino prints/ 1000 km	Rhino signs/ 100 days	Rhino signs/ 1000 km
25	11	176	517,00	14,20	48,36	6,25	21,28

(B*) The total number of sign (excluding footprints) of rhino found. ** Total number of RPU group field days during surveys only (excluding other activities). *** Total number of range in kilometer covered by RPU group during surveys activity.

ILLEGAL ACTIVITIES ENCOUNTERED

Gaharu * Theft	Encroachment	Timber Theft	Forest Product Theft	Illegal Hunting		
				Rhino / Trap	Non Rhino (Mammals)	Other
0	2	0	0	0	0	5

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

In BBS, during the surveys and patrols a total of 7 cases of illegal activities were detected. The major case encountered were bird trapping in the Southern part of NP, then 2 old encroachments. **No trap of rhino** encountered.

Record of cases as per attached in **Annex – 2**, which includes: date of incidence, date of detection, type of offences, place of occurrence, evidence (forest / wildlife produces recovered, Arms /other evidence, suspects, legal status and comments.

ENCOUNTERED ANIMALS

Patrol Area	√ = encountered					
	Rhino	Elephant	Tiger	Tapir	Other Mammal	Offences
Kotaagung, Bandar Lampung dan Pemerihan.						
Liwa, Krui, dan Sukaraja.						
Pemerihan, Cawang Haro, Anak Way Canguk, Way canguk, Peg. Nanggalan, Plot Penelitian WCS, Way Pemerihan< Sumberejo, dsk.		√		√	√	√
Blok VII, Ngaras, Hulu Way Ngaras, Umbul Seno dsk.		√	√	√	√	
Limus, Tanjung mas, Way belambangan, muara way belambangan, sekawat Tampang. dsk.		√	√	√		
Kotaagung, Biha						
Pahmongan, Hulu Mahnay Balak, Mahnay Tengah dan Mandiri.	√	√	√	√		
Krui, Bandar Lampung, Way Haru.						
Rataagung, Pesanguan, Betung, Banjar Sari, Wonosobo.						
Sumberejo, Leter U, Sumber sari, Way Pemerihan, Way		√	√	√	√	

canguk, Muara Way Canguk, Muara Way Pemerihan dan sekitarnya.						
Kotaagung, Pal 50, Pemerihan dan Sukaraja.						
Kubu Perahu, Way Mentarang, W. Meluang, Tengkuluk, ulu way krui dan sekitarnya.		√	√	√		
Kotaagung, Pemerihan, Way Haru, Talang Pendowo, Talang Bangkok, Ngaras, Trimurjo.						
Panji Wayang, Grogol, Ngambur	√		√			√
Kotaagung, Pemerihan, Ngambur, Metro, Way nipah dan Pesanguan.						
Panji Wayang, hulu Way Ngambur, Kububanir dan sekitarnya.	√	√	√		√	
Muara Way Pemerihan, Way Canguk, Way Penipahan, Way babuta, Way Sawang awi, Napaliut, Siring Batu, way Siring gading dsk.					V	V
Mendati, Pg. Kuyung, Hulu way Rilau dan sekitarnya.	√	√	√			√
Talang Meranjat, Ulu Way Biha dan sekitarnya.		√	√	√		√
Kotaagung, Sukaraja atas, Pemerihan, Way Ngambur, Way Haru, Tampang, dll.						
Pal 50, Hulu Way Bambang, Km.24.		√	√	√		
Kotaagung, Tampang.						
Pal 50, Hulu Way Bambang, Talang Asahan		√	√			
Panji Wayang, Bamabu kuning, Way Ngambur bundik, Talang simpang duren, Talang Panama dan sekitarnya.	√	√	√			
Pal 50, Hulu Way Bambang, KM. 30		√		√		
Tampang, Tanjung Mas, Sinar Ogan dsk.			√			
Krui, Pahmongan, dan sekitarnya.			√	√		
Krui, Way Mahnai, Way Tenumbang dan sekitarnya.						

Kubu Perahu, Way meluang, Way Menterang, Sukamarga, Way empulan ulu landos, Bumbon, Umbul lima, Tebak leor dan sekitarnya.						
Mendati, Siring damar, Way Telemah, Panji wayang, Marang, Kubu Gedung, Biha dan sekitarnya.						
Peninggeman, Pal 50, Sumberejo dan sekitarnya.						
Pal 50, Pemerihan, Muara Pemerihan, Pintau dan Ujung Pandang Bengkumat.		√		√		
Jalan lintas bengkumat, Pemerihan, Mendati dan sekitarnya.						
Jalan lintas bengkumat, Pemerihan, Sumberejo dan sekitarnya.						
SRS Way kambas, dan Pal 50.						
Sukaraja atas, Jalan lintas sukaraja, Ngaras, Mendati, Panji Wayang, Krui dan Kubu Perahu.						
Jalan lintas bengkumat, Way Haru, Way Nipah, dan Pedamaran.						
Way Sindi Krui, Talang Gisting Kaali tengah, dsk.						
Rhino Camp						
Blok VII, Ngaras, Hulu way Ngaras, Hulu Way Pintau, Umbul Basir, Talang Samino, Bendungan, Sidomulyo.		√	√	√		
Pal 50, Talang Jhoni, Way Pemerihan, Hulu way Bamban, Jalan lintas Sanggi - Bengkumat dan sekitarnya.					√	
Panji Wayang, Hulu Way Ngambur Bay Ngambur Pangkalan, dan sekitarnya.	√					
Tampang, Tanjung Mas, Sinar Ogan, W. Blambangan, Haur Gading						
Kubu Perahu, Hulu Way Krui, Way Tenumbang, Hulu Way Mahnai, dsk.	√			√		

DETAILS OF RHINO SIGNS

Patrol Area	Footprints	Direct Sighting	Wallow	Feeding	Dung	Other Signs
Pemerihan, Cawang Haro, Anak Way Cangkuk, Way cangkuk, Peg. Nanggalan, Plot Penelitian WCS, Way Pemerihan< Sumberejo, dsk.	0	0	0	0	0	0
Blok VII, Ngaras, Hulu Way Ngaras, Umbul Seno dsk.	0	0	0	0	0	0
Limus, Tanjung mas, Way belambangan, muara way belambangan, sekawat Tampang. dsk.	0	0	0	0	0	0
Pahmongan, Hulu Mahnay Balak, Mahnay Tengah dan Mandiri.	1	0	1	0	0	0
Sumberejo, Leter U, Sumber sari, Way Pemerihan, Way cangkuk, Muara Way Cangkuk, Muara Way Pemerihan dan sekitarnya.	0	0	0	0	0	0
Kubu Perahu, Way Mentarang, W. Meluang, Tengkuluk, ulu way krui dan sekitarnya.	0	0	0	0	0	0
Panji Wayang, Grogol, Ngambur	10	0	2	0	0	0
Panji Wayang, hulu Way Ngambur, Kububanir dan sekitarnya.	6	0	3	0	0	2
Muara Way Pemerihan, Way Cangkuk, Way Penipahan, Way babuta, Way Sawang awi, Napaliut, Siring Batu, way Siring gading dsk.	0	0	0	0	0	0
Mendati, Pg. Kuyung, Hulu way Rilau dan sekitarnya.	1	0	0	0	0	0
Talang Meranjat, Ulu Way Biha dan sekitarnya.	0	0	0	0	0	0
Pal 50, Hulu Way Bambang, Km.24.	0	0	0	0	0	0
Pal 50, Hulu Way Bambang, Talang Asahan	0	0	0	0	0	0
Panji Wayang, Bamabu kuning, Way Ngambur bundik, Talang simpang duren, Talang Panama dan sekitarnya.	2	0	0	0	0	0

PATROL DATA

Location	Activity	Start Date	End Date	Days	No of Person	Length (Km)*	Remarks
Jalan lintas bengkunt, Pemerihan, Sumberejo dan sekitarnya.	Patroli	7 - Sep	9 - Sep	3	2	0,00	No illegal activities encountered
Jalan lintas bengkunt, Pemerihan, Mendati dan sekitarnya.	Patroli	9 - Sep	13 - Sep	5	2	0,00	No illegal activities encountered.
SRS Way kambas, dan Pal 50.	Training	16 - Sep	22 - Sep	7	2	0,00	Well done
Way Sindi Krui, Talang Gisting Kaali tengah, dsk.	Wildlife conflict	27 - Sep	30 - Sep	4	2	0,00	3 tigers and 1 juvenil ; Encountered illegal activity in adjacent protection forest in Kali tengah.
Liwa, Krui, dan Sukaraja.	Intelligence	3 - Jul	5 - Jul	3	1	0,00	Rumors on wildlife parts ewnership; Found Rafflesia flower blooming
Krui, Bandar Lampung, Way Haru.	Intelligence	17 - Jul	20 - Jul	4	1	0,00	Info on deer poaching.
Kotaagung, Bandar Lampung dan Pemerihan.	Intelligence	22 - Jul	26 - Jul	5	2	0,00	Continued to do collaborative operation to arrest 4 persons in charge of encroachment. Agroup of 21 elephants interrupt to village Bandar Dalam, Way Haru.
Rataagung, Pesanguan, Betung, Banjar Sari, Wonosobo.	Intelligence	23 - Jul	31 - Jul	9	1	0,00	Collected evidences
Kotaagung, Pemerihan, Ngambur, Metro, Way nipah dan Pesanguan.	Intelligence	2 - Agust	11 - Agust	10	2	0,00	Ifformation on dead male elephant. Monitoring encroachment

Kotaagung, Tampang.	Intelligence	23 - Agust	28 - Agust	6	2	0,00	Info on wildlife conflict in Cukuh Pandan Tampang , 1 male elephant, sun bear, and which attack cacao plantation
Panji Wayang, hulu Way Ngambur, Kububanir dan sekitarnya.	Patrol/ Survey	13 - Agust	20 - Agust	8	4	30,00	Rhino signs : footprint, wallow, gesekan, pelintiran, Signs of tiger and elephant .
Pal 50, Hulu Way Bambang, Talang Asahan	Patrol/ Survey	24 - Agust	31 - Agust	8	4	25,50	No rhino signs. Signs of tiger, elephant. No illegal activity.
Krui, Way Mahnai, Way Tenumbang dan sekitarnya.	Patrol	1 - Sep	7 - Sep	7	5	0,00	No illegal activity.
Jalan lintas bengkunt, Pemerihan, Mendati dan sekitarnya.	Patrol	12 - Sep	13 - Sep	2	2	0,00	No illegal activity.
Blok VII, Ngaras, Hulu way Ngaras, Hulu Way Pintau, Umbul Basir, Talang Samino, Bendungan, Sidomulyo.	Patrol/ Survey	22 - Sep	30 - Sep	9	5	50,50	No rhino signs. Signs of tiger, elephant, tapir. Illegal activity (bird trapping).
Pemerihan, Cawang Haro, Anak Way Canguk, Way canguk, Peg. Nanggalan, Plot Penelitian WCS, Way Pemerihan< Sumberejo, dsk.	Patrol/ Survey	12 - Jul	21 - Jul	10	4	39,00	No new rhino signs. Bird trapping indication. Encroachment in Pemerihan reducing.
Sumberejo, Leter U, Sumber sari, Way Pemerihan, Way canguk, Muara Way Canguk, Muara Way Pemerihan dan sekitarnya.	Patrol/ Survey	22 - Jul	30 - Jul	9	5	16,00	No new rhino signs. No poaching indication. Active encroachment in Sumberejo - Sumbersari.

Muara Way Pemerihan, Way Cangkuk, Way Penipahan, Way babuta, Way Sawang awi, Napaliut, Siring Batu, way Siring gading dsk.	Patrol/ Survey	3 - Agust	10 - Agust	8	4	39,00	No new rhino signs. Fishing indication. Active encroachment in Sumbersari - Sumberrejo.
Panji Wayang, Bamabu kuning, Way Ngambur bundik, Talang simpang duren, Talang Panama dan sekitarnya.	Patrol/ Survey	24 - Agust	31 - Agust	8	4	25,00	Rhino footprints. Encroachment in Simpang duren and Panama.
Kubu Perahu, Way meluang, Way Menterang, Sukamarga, Way empulan ulu landos, Bumbon, Umbul lima, Tebak leor dan sekitarnya.	Patrol	1 - Sep	6 - Sep	6	5	29,00	Bird trapping in Way Mahnay Kubu perahu area.
Pal 50, Talang Jhoni, Way Pemerihan, Hulu way Bamban, Jalan lintas Sanggi - Bengkunat dan sekitarnya.	Patrol/ Survey	17 - Sep	24 - Sep	8	3	28,00	Active encroachment in Sumbersari, Sumberrejo .
Rhino Camp	Patrol	30 - Sep	30 - Sep	1	1	3,00	Accompanied Guest from US Embassy Jakarta.
Blok VII, Ngaras, Hulu Way Ngaras, Umbul Seno dsk.	Patrol/ Survey	11 - Jul	18 - Jul	8	5	27,00	No rhino signs. Sign of tiger, elephant and tapir. Direct sighting 2 sun bears.
Kotaagung, Pal 50, Pemerihan dan Sukaraja.	Training	26 - Jul	2 - Agust	8	5	0,00	32 MIST_GIS Trainees were from Park, YABI, WCS-IP, TWNC.
Mendati, Pg. Kuyung, Hulu way Rilau dan sekitarnya.	Patrol/ Survey	13 - Agust	20 - Agust	8	4	15,00	Rhino old and new signs. Signs of tiger, elephant and tapir.

Pal 50, Hulu Way Bambang, KM. 30	Patrol/ Survey	24 - Agust	31 - Agust	8	5	11,00	No new rhino signs. Signs of elephant and tapir. Bird netting indication.
Limus, Tanjung mas, Way belambangan, muara way belambangan, sekawat Tampang. dsk.	Patrol/ Survey	4 - Jul	12 - Jul	9	5	0,00	No illegal activity. No rhino signs. Signs of tiger, elephant and tapir.
Kubu Perahu, Way Mentarang, W. Meluang, Tengkuluk, ulu way krui dan sekitarnya.	Patrol/ Survey	22 - Jul	31 - Jul	10	5	37,60	No rhino signs. Signs of tiger, elephant and tapir. No illegal activity.
Talang Meranjat, Ulu Way Biha dan sekitarnya.	Patrol/ Survey	2 - Agust	11 - Agust	10	4	40,00	No rhino signs. Signs of tiger, elephant and tapir. Bird netting indication. No other illegal activity
Mendati, Siring damar, Way Telemah, Panji wayang, Marang, Kubu Gedung, Biha dan sekitarnya.	Patrol	1 - Sep	8 - Sep	8	5	0,00	No illegal activity
Sukaraja atas, Jalan lintas sukaraja, Ngaras, Mendati, Panji Wayang, Krui dan Kubu Perahu.	Patrol	13 - Sep	17 - Sep	5	2	0,00	No illegal activity.
Panji Wayang, Hulu Way Ngambur Bay Ngambur Pangkalan, dan sekitarnya.	Patrol/ Survey	21 - Sep	30 - Sep	10	5	19,50	Rhino footprint and dung. Signs of owa, leafmonkeys, siamang. Bird trapping indication.
Kotaagung, Biha	Collaborative operation	5 - Jul	15 - Jul	11	6	0,00	Arrested suspect Mr. Umar and evidences(5 taxidermic of deer head, 4 deer embryos, and 1 unit car .

Kotaagung, Pemerihan, Way Haru, Talang Pendowo, Talang Bangkok, Ngaras, Trimurjo.	Patrol	19 - Jul	29 - Jul	11	6	0,00	Elephant conflict in Talang Pendowo, Biha and Way Haru area. Arrested suspect in Trimurjo area.
Kotaagung, Sukaraja atas, Pemerihan, Way Ngambur, Way Haru, Tampang, dll.	Patrol	3 - Agust	14 - Agust	12	7	0,00	Illegal activity in adjacent HPT (limited production forest) area. Wildlife conflict in Way Haru dan Sinar Ogan area.
Tampang, Tanjung Mas, Sinar Ogan dsk.	Patrol	22 - Agust	29 - Agust	8	5	0,00	Detect ed old trap for tiger or deer, in plantation area.
Peninggeman, Pal 50, Sumberejo dan sekitarnya.	Patrol	1 - Sep	9 - Sep	9	3	0,00	A lot no of border-marks ruins/dissepear ed in Peninggeman area. Active Encroachment in Tumpak Sawo.
Jalan lintas bengkumat, Way Haru, Way Nipah, dan Pedamaran.	Patrol	13 - Sep	21 - Sep	9	2	0,00	Elephant conflict in Way Haru continuing. Encroachment area re-opened in Penyantun., for padi field.
Tampang, Tanjung Mas, Sinar Ogan, W. Blambangan, Haur Gading	Patrol	25 - Sep	29 - Sep	5	2	0,00	No illegal activity
Pahmongan, Hulu Mahnay Balak, Mahnay Tengah dan Mandiri.	Patrol/ Survey	12 - Jul	21 - Jul	10	5	28,00	Signs of rhino. Signs of tiger, elephant and tapir. No illegal activity.
Panji Wayang, Grogol, Ngambur	Patrol/ Survey	23 - Jul	31 - Jul	9	4	25,00	Rhino signs : footprints, scratch, wallow. Signs of tiger, elephant and tapir. Signs of Siamang Gibbon and birds.
Pal 50, Hulu Way Bambang, Km.24.	Patrol/ Survey	3 - Agust	10 - Agust	8	5	16,00	No rhino signs. Signs of tiger, elephant and tapir. No illegal activities.

Krui, Pahmongan, dan sekitarnya.	Patrol/ Survey	22 - Agust	30 - Agust	9	5	22,00	No rhino signs. Signs of tiger and tapir Info on gaharu theft in Krui area.
Pal 50, Pemerihan, Muara Pemerihan, Pintau dan Ujung Pandang Bengkunt.	Patrol	1 - Sep	6 - Sep	6	4	0,00	No illegal activities .
Kubu Perahu, Hulu Way Krui, Way Tenumbang, Hulu Way Mahnai, dsk.	Patrol/ Survey	22 - Sep	30 - Sep	9	6	23,00	Signs of rhino. Signs of tapir. Indication of old bird trapping.
Jalan lintas bengkunt, Pemerihan, Sumberejo dan sekitarnya.	Patrol	7 - Sep	9 - Sep	3	2	0,00	No illegal activities.
Jalan lintas bengkunt, Pemerihan, Mendati dan sekitarnya.	Patrol	9 - Sep	13 - Sep	5	2	0,00	No illegal activities.
SRS Way kambas, dan Pal 50.	Training	16 - Sep	22 - Sep	7	2	0,00	Training on new software for GIS
Way Sindi Krui, Talang Gisting Kaali tengah, dsk.	Penanganan konflik satwa	27 - Sep	30 - Sep	4	2	0,00	Tiger conflict (3 adult and juvenile). Illegal activity detected in Protection forest in Kali tengah area.
Liwa, Krui, dan Sukaraja.	Intelligence	3 - Jul	5 - Jul	3	1	0,00	Info on ownership of wildlife parts of protected animal. Rafflesia flower blooming.
Krui, Bandar Lampung, Way Haru.	Intelligence	17 - Jul	20 - Jul	4	1	0,00	Info on deer poaching. Got a letter to safe evidences. (Mendapat surat ketetapan tentang penyitaan barang bukti).

Kotaagung, Bandar Lampung dan Pemerihan.	Intelligence	22 - Jul	26 - Jul	5	2	0,00	Investigation to 4 suspects. 21 elephants entered to village Bandar Dalam Way Haru.
Rataagung, Pesanguan, Betung, Banjar Sari, Wonosobo.	Intelligence	23 - Jul	31 - Jul	9	1	0,00	Collected evidences.
Kotaagung, Pemerihan, Ngambur, Metro, Way nipah dan Pesanguan.	Intelligence	2 - Agust	11 - Agust	10	2	0,00	Info on dead male elephant . Monitoring encroachment area.
Kotaagung, Tampang.	Intelligence	23 - Agust	28 - Agust	6	2	0,00	Cacao plantation area disturbed by 1 male adult elephant, bear and deer.
Panji Wayang, hulu Way Ngambur, Kububanir dan sekitarnya.	Patrol/ Survey	13 - Agust	20 - Agust	8	4	30,00	Rhino signs (foot print, wallow etc.). Signs of elephant and tiger.
Pal 50, Hulu Way Bambang, Talang Asahan	Patrol/ Survey	24 - Agust	31 - Agust	8	4	25,50	No rhino signs. Signs of tiger and elephant. No illegal activity.
Krui, Way Mahnai, Way Tenumbang dan sekitarnya.	Patrol	1 - Sep	7 - Sep	7	5	0,00	No illegal activity.
Jalan lintas bengkunt, Pemerihan, Mendati dan sekitarnya.	Patrol	12 - Sep	13 - Sep	2	2	0,00	No illegal activity.
Blok VII, Ngaras, Hulu way Ngaras, Hulu Way Pintau, Umbul Basir, Talang Samino, Bendungan, Sidomulyo.	Patrol/ Survey	22 - Sep	30 - Sep	9	5	50,50	No rhino signs. Signs of elephant, tiger and tapir. Identified bird trapping.
Pemerihan, Cawang Haro, Anak Way Cangkuk, Way	Patrol/ Survey	12 - Jul	21 - Jul	10	4	39,00	No new signs of rhino. Identified bird trapping Identified of reducing encroachment in

canguk, Peg. Nanggalan, Plot Penelitian WCS, Way Pemerihan< Sumberejo, dsk.							Pemerihan area.
Sumberejo, Leter U, Sumber sari, Way Pemerihan, Way canguk, Muara Way Canguk, Muara Way Pemerihan dan sekitarnya.	Patrol/ Survey	22 - Jul	30 - Jul	9	5	16,00	No new signs of rhino. No indication of poaching. Active encroachment in Sumberejo-Sumbersari area.
Muara Way Pemerihan, Way Canguk, Way Penipahan, Way babuta, Way Sawang awi, Napaliut, Siring Batu, way Siring gading dsk.	Patrol/ Survey	3 - Agust	10 - Agust	8	4	39,00	No new signs of rhino. Detected old fishing. Active encroachment in Sumberejo-Sumbersari area.
Panji Wayang, Bamabu kuning, Way Ngambur bundik, Talang simpang duren, Talang Panama dan sekitarnya.	Patrol/ Survey	24 - Agust	31 - Agust	8	4	25,00	Rhino foot print. Detected illegal activity (encroachment) in Simpang duren dan Panama areas.

- Mileage of patrol by using two or four wheeled vehicles are not recorded.
- There was no mileage measured in the other activities.

GENERAL PERFORMANCE PARAMETERS

Number of general activities	45
Number of Patrol and Surveys	20
Distance Walked (Kilometers)	549.1
Distance Walked for Patrol and Survey	517.1
Number of Field Days	340
Number of Field Days for Patrol and Survey	176
Field Days per-person per-month	17.43

A total of 45 activities were conducted during the 3th quarter (July - September) of the year and among of them were 20 activities of patrol/surveys, which covers 517.1 km and field days 17.43 days per person per month. The field days in this quarter is higher than in previous quarter, although there were still their involvement in collaborative operation with The Park Administration to move encroachments and wildlife conflict resolution.

PROGRAM PERSONNEL

(Summary of Field Days Per-Person Per-Month 1 July – 30 September 2010)

Name of Personnel	Number of Field Days	Average Field Days/Month		
Agung S	56	18,67	3	Month)
Agus Sulaeman	50	16,67	3	Month)
Bahara	34	17,00	2	Month)
Budiono	47	15,67	3	Month)
Didin Kamaludin	39	13,00	3	Month)
Edi Rusmanto	50	16,67	3	Month)
Hendra Wijaya	38	12,67	3	Month)
Heryanto	51	17,00	3	Month)
Jalisi	40	13,33	3	Month)
Johan Marwan	56	18,67	3	Month)
Madnurzen	64	21,33	3	Month)
Marsum	58	19,33	3	Month)
Merli aroc Hulu	41	13,67	3	Month)
Nang Jamadi	41	13,67	3	Month)
Olih	44	14,67	3	Month)
Rahman	56	18,67	3	Month)
Romiyanto	49	16,33	3	Month)
Samsurizal	51	17,00	3	Month)
Saptono	77	25,67	3	Month)
Sudari	51	17,00	3	Month)
Suharsono	61	20,33	3	Month)
Syahroni	50	16,67	3	Month)
Timbul TB	51	17,00	3	Month)
Toho	44	14,67	3	Month)
Uga Yogaswara	81	27,00	3	Month)
Zen Afrial	53	17,67	3	Month)
Zulkifli	62	20,67	3	Month)

Other personnels :

1.	Titus Ramadhani	Field Coordinator (Formerly was as Administrative and Finance staff of RPU BBS)
2.	-----	Administrative and Finance staff of RPU BBS
3.	Nasarius S. Waja	Driver-1
4.	Suparmin	Driver-2
5.	Era Herawati	Cook-1
6.	Wawah	Cook-2
7.	Sinyo Handoko	Office boy-1
8.	Rubianto	Office boy-2

WAY KAMBAS NATIONAL PARK

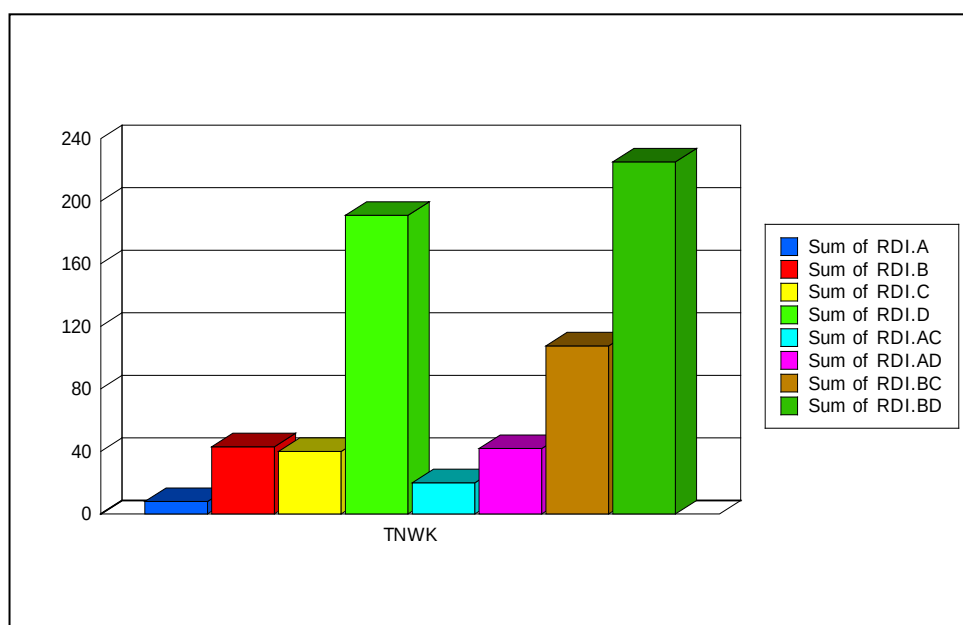
BASIC POPULATION PARAMETERS

Number of Footprints encountered	Number of Locations with rhino signs					
	Footprints	Wallows	Feces	Feeding	Other Signs*	Direct Sighting
8	6	2	18	4	19	0

- Include Urine, Scratches, Rubbings, etc.

During the 8 Patrols/Surveys in this period, 49 independent signs of rhino were encountered but no direct sighting.

RHINO DENSITY INDICATORS



Rhino		RPU Field Presence		Density Indicators			
A	B*	C	D	A/C	A/D	B/C	B/D
Number of print locations	Number of Rhino Signs*	Field Days**	Distance Walked***	Rhino prints/ 100 days	Rhino prints/ 1000 km	Rhino signs/ 100 days	Rhino signs/ 1000 km
8	43	40	191,00	20,00	41,88	107,50	225,13

(B*) The total number of sign (excluding footprints) of rhino found. ** Total number of RPU group field days during surveys only (excluding other activities). *** Total number of range in kilometer covered by RPU group during surveys activity.

ILLEGAL ACTIVITIES ENCOUNTERED

Gaharu * Theft	Encroachment	Timber Theft	Forest Product Theft	Illegal Hunting		
				Rhino / Trap	Non Rhino (Mammals)	Other
3	26	0	1	0	0	0

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

In WK, during the surveys and patrols a total of 30 cases of illegal activities were detected. The major case encountered was encroachment.

No trap of rhino encountered.

Record of cases as per attached in **Annex – 2**, which includes: date of incidence, date of detection, type of offenses, place of occurrence, evidence (forest / wildlife produces recovered, Arms /other evidence, suspect, legal status and comments.

ENCOUNTERED ANIMALS

Patrol Area	√ = encountered					
	Rhino	Ele- phant	Tiger	Tapi r	Other Mammal	Offences
SRS						
Plang Hijau, Margahayu		V				
Plang Hijau, Margahayu						
Muara Jaya, Pos Susukan Baru						V
Tegal Ombo, Bungur						V
Braja Kencana Resort Kuala Penet		V				V
D2, Rawa Badak, Way Kanan Atas, Rawa Kerek	V	V	V	V		
Kuala Kambas, Sekapok, Wako						V
Kantor Balai TNWK						
SMA Negeri Way Jepara						
Tegal Yoso		V				
D1, Camp Siang, Kali Biru, D2	V	V	V			
Braja kencana, Karang Anyar, Kuala Penet						V
Rawa Bunder dan sekitarnya						
Kali pasir dan sekitarnya						V
kantor Balai TNWK, Polres Lampung Timur						
Kota Metro						
Posdal RPU TNWK						
Labuhan Ratu, Umbul wolu,						

Margahayu						
Rawa Bunder dan sekitarnya						V
Rawa Bunder dan sekitarnya						V
Labuhan Ratu, Umbul wolu, Margahayu						
Rawa Lintah, Sekapok, D1	V	V	V		V	
D2, Rawa Badak dan sekitarnya		V				
Kec. Braja Selebah dan Purbolinggo						
SMA Negeri Way Jepara						
Rawa Lintah, Sekapok, D1	V	V	V	V		
D1, Camp Siang, Terjal, Lempuk	V	V	V			V
Cam c, Rawa Jambu, PLG		V	V	V		V
Toto Projo RPTN Bungur dan sekitarnya						
RPTN Bungur						
Rawa Bunder dan sekitarnya						
Tegal Yoso						V
Lapangan Labuhan Ratu						
Plang Hijau, JICA, dan sekitarnya						V
Rawa Bunder dan sekitarnya						V
Martono, jalur karetan						
Jalur Tawon, Ulung-ulung dan sekitarnya				V		V
Tegal Yoso		V				V
Pos Way Kanan, D1						
Jica, Braja Kencana, karang Anyar, Braja Yekti						
Raja Basa Lama						
Way Kanan, Kuala Kambas						
Rawa Kerek, Perambahan.						
Plang Hijau, Margahayu						
Plang Hijau, Margahayu						V
Plang Hijau, Margahayu						
Gambas RI, Susukan Baru						
Posdal RPU TNWK						
Tegal Yoso		V				
Plang Hijau, SRS					V	
Plang Hijau, margahayu, Kuala Penet						
Posdal RPU TNWK						
Posdal RPU TNWK						
Posdal RPU TNWK						
SRS						
SRS						
Posdal RPU TNWK						
SRS						
Plang Hijau, SRS						
Posdal RPU TNWK						

D1, Camp Siang, Susukan Baru, Serayu	V	V		V		
SRS						
D1, Camp sore, Air Hitam, Rawa Akar, Murai	V			V		
D1, Jalur Lempuk, Wako Benteng	V			V		
Gambas RI, Pasiran, Parmin, C5000, Gerbang tol, gambas RI		V	V			V
Plang Hijau, SRS						

DETAILS OF RHINO SIGN

Patrol Area	Footprints	Direct Sighting	Wallow	Feeding	Dung	Other Signs
D2, Rawa Badak, Way Kanan Atas, Rawa Kerek	0	0	0	0	2	0
D1, Camp Siang, Kali Biru, D2	3	0	1	1	7	9
D2, Rawa Badak dan sekitarnya	0	0	0	0	0	0
D1, Camp Siang, Terjal, Lempuk	2	0	0	0	2	2
Cam c, Rawa Jambu, PLG	0	0	0	0	0	0
Jalur Tawon, Ulung-ulung dan sekitarnya	0	0	0	0	0	0
D1, Camp sore, Air Hitam, Rawa Akar, Murai	1	0	1	2	3	5
D1, Jalur Lempuk, Wako Benteng	2	0	0	1	4	3

PATROL DATA

Location	Activity	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Muara Jaya, Pos Susukan Baru	Patroli	5 - Jul	5 - Jul	1	11	12	Detected bridges for illegal activity. Inventory the cattle's owner.
Tegal Ombo, Bungur	Patroli	6 - Jul	6 - Jul	1	10	0	Detected of illegal activity.
Braja Kencana Resort Kuala Penet	Patroli	7 - Jul	7 - Jul	1	11	4	Detected villager's buffalos in the Park.

							Signs of elephant which disturbed plantation.
Rawa Bunder dan sekitarnya	Patroli Pinggir Kawasan	9 - Jul	9 - Jul	1	7	5	Detected illegal fire-wood collection.
Kali pasir dan sekitarnya	Patroli	10 - Jul	10 - Jul	1	10	12	Detected 20 villagers who grazed in the Park and their cattles.
Rawa Bunder dan sekitarnya	Patroli Pinggir Kawasan	21 - Jul	21 - Jul	1	4	5	Indication of trespassers.
Rawa Lintah, Sekapok, D1	Survey	25 - Jul	30 - Jul	6	6	38	Signs of rhino, tiger and elephant. Direct sighted of 2 white-winged wood ducks. Direct sighted 1 estuarine crocodile.
Rawa Bunder dan sekitarnya	Patroli Pinggir Kawasan	3 - Jul	3 - Jul	1	7	0	No illegal activity.
Kota Metro	Semua	21 - Jul	22 - Jul	2	3	0	Un-successful to arrest suspect.
Braja kencana, Karang Anyar, Kuala Penet	Patroli Pinggir Kawasan	2 - Jul	2 - Jul	1	6	0	Detected buffalos grazed in the Park.
kantor Balai TNWK, Polres Lampung Timur	Pengamanan	19 - Jul	21 - Jul	3	5	0	Succesfull to safe evidences to further process of law enforcement.
Posdal RPU TNWK	Semua	21 - Jul	22 - Jul	2	6	0	Un-successful to arrest suspect.
Labuhan Ratu, Umbul wolu, Margahayu	Penghalauan Gajah	28 - Jul	28 - Jul	1	5	0	Drove elephants back to the forest.
Plang Hijau, Margahayu	Penghalauan Gajah	4 - Jul	4 - Jul	1	4	6	Drove elephants back to the forest

Tegal Yoso	Penghalauan Gajah	5 - Jul	6 - Jul	2	4	1	Drove 12 elephants back to the forest
D2, Rawa Badak, Way Kanan Atas, Rawa Kerek	Patroli/Survei	13 - Jul	17 - Jul	5	4	22	Signs of rhino, tiger, elephant and tapir. No illegal activity.
D1, Camp Siang, Kali Biru, D2	Patroli/Survei	23 - Jul	26 - Jul	4	4	39	Signs of rhino, tiger, and elephant. No illegal activity.
Labuhan Ratu, Umbul wolu, Margahayu	Penghalauan Gajah	27 - Jul	28 - Jul	2	7	3	Drove elephants back to the forest
SRS	Pengamanan	3 - Jul	4 - Jul	2	4	0	No illegal activity.
Plang Hijau, Margahayu	Patroli Pinggir Kawasan	5 - Jul	8 - Jul	4	4	20	1 adult male elephant attacked plantation, has driven back to forest. Detected signs of a group of elephant.
Kuala Kambas, Sekapok, Wako	Patroli	15 - Jul	18 - Jul	4	15	59	Destroyed old camps. Arrest 4 suspects of encroachment in Kuala Kambas and Sekapok. Arrest other 2 suspects.
Kantor Balai TNWK	Semua	21 - Jul	21 - Jul	1	1	0	Finalized documentation of suspects to proceed to police.
SMA Negeri Way Jepara	Awareness program	23 - Jul	23 - Jul	1	2	0	Well done in High School of SMA Negeri Way Jepara

GENERAL PERFORMANCE PARAMETERS

Number of general activities	67
Number of Patrol and Surveys	8
Distance Walked (Kilometers)	774.2
Distance Walked for Patrol and Survey	191.3
Number of Field Days	158
Number of Field Days for Patrol and Survey	40
Field Days per-person per-month	15.28

A total of 67 activities were conducted during the 3rd quarterly (1 July – 30 September 2010) of the year and among of them were only 8 activities of patrol/surveys, which covering 191.3 km and field-days 15.28 days per person per month. It's lower than previous one, because of their involvement on collaborative operation with Park Administration (encroachment, driving elephant attack to agriculture etc), and other activities.

PROGRAM PERSONNEL

(Summary of Field Days Per-Person Per-Month 1 July - 30 September 2010)

Name of Personnel	Number of Field Days	Average Field Days/Month		
Agus Riadi	49	16,33	3	Month)
Amrodi	44	14,67	3	Month)
Aris Hendriyanto	48	16,00	3	Month)
Balyan Irawadi	46	15,33	3	Month)
Bambang Meiyono	54	18,00	3	Month)
Bonari	49	16,33	3	Month)
Boston Kaloko	52	17,33	3	Month)
Daryono	54	18,00	3	Month)
Encang Sutarma	46	15,33	3	Month)
Ferry Agus Bangun	45	15,00	3	Month)
Joko Iswanto	48	16,00	3	Month)
Muslimin	52	17,33	3	Month)
Nur Basuki	47	15,67	3	Month)
Sugondo	37	12,33	3	Month)
Suhadi	46	15,33	3	Month)
Sujoko	49	16,33	3	Month)
Supriyono	53	17,67	3	Month)
Totok Riyadi	43	14,33	3	Month)
Yahmin (Boat captain)	2	2,00	3	Month)

Other personnels :

1.	Hartato	Field Coordinator
2.	Rosdi Hartono	Adinistrative and Finance Officer
3.	Suyana	Driver
4.	Yahmin	Boat captain
5.	Suparmi	Cook
6.	Nurhadi	Office boy

UJUNG KULON NATIONAL PARK

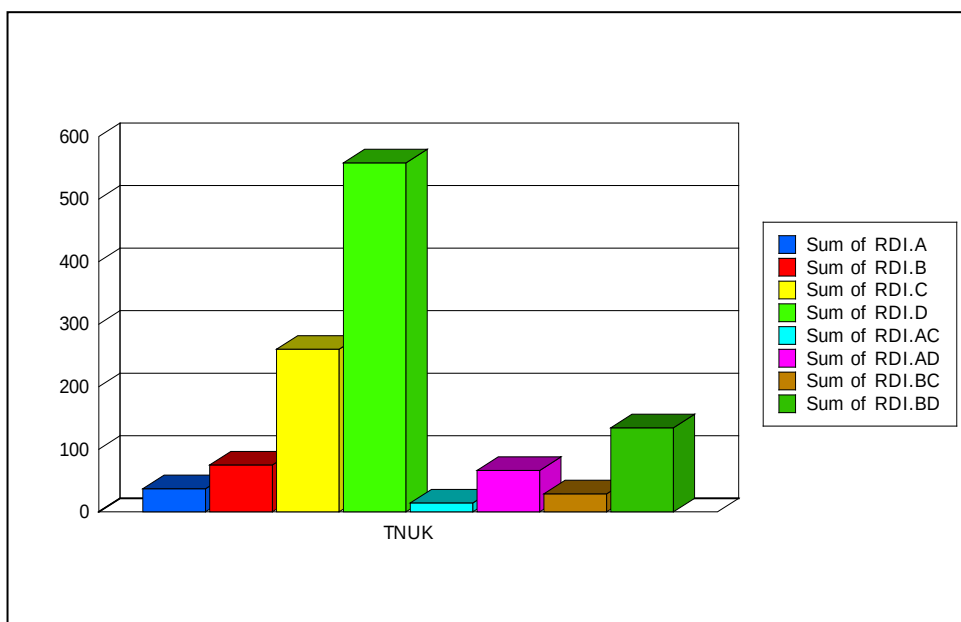
BASIC RHINO POPULATION PARAMETERS

No. Of Case Footprint Encountered	Number of Footprints	Wallow	Feces	Feeding	Other Signs*	Direct Sighting
37	74	11	7	55	2	0

* Include Urine, Scratches, Rub

During the 12 Patrols/Surveys in this period, 149 independent signs of rhino were encountered, no direct sighting.

RHINO DENSITY INDICATORS



Rhino		RPU Field Presence		Density Indicators			
A	B*	C	D	A/C	A/D	B/C	B/D
Number of print locations	Number of Rhino Signs*	Field Days**	Distance Walked***	Rhino prints/ 100 days	Rhino prints/ 1000 km	Rhino signs/ 100 days	Rhino signs/ 1000 km
37	75	260	558,00	14,23	66,31	28,85	134,41

(B*) The total number of sign (excluding footprints) of rhino found. ** Total number of RPU group field days during surveys only (excluding other activities). *** Total number of range in kilometer covered by RPU during surveys.

ILLEGAL ACTIVITIES ENCOUNTERED

Encroachment	Timber Theft	Forest Product Theft	Illegal Hunting		
			Rhino / Trap	Non Rhino (Mammals)	Other
0	1	0	0	0	0

In Ujung Kulon, during the surveys and patrols only 1 case of illegal activity was detected. The case encountered was timber theft, now still in the process in Police office. **No trap for rhino** encountered.

Record of cases as per attached in **Annex – 2**, which including: date of incidence, date of detection, type of offences, place of occurrence, evidence (forest / wildlife produces recovered, Arms /other evidence, suspect, legal status and comments).

ENCOUNTERED ANIMALS

Nama Daerah / Patrol Areas	V = encountered					
	Rhino	Banteng	Tiger	Tapir	Other Mammals	Offences
Legon Pakis, Karang ranjang, Bandawoh, Cikeusik, Rorah Daon, Citadahan, Gunung Kendeng, Cibunar.	V	V			V	
Tamanjaya, Legon pakis, Karang Ranjang, Bandawoh, Cikeusik, Rorah daon, Cikeusik Barat, Nyiur, Legon camara.	V	V			V	
Legon pakis, Karang ranjang, bandawoh, cikeusik, citadahan, cibunar.	V	V			V	V
karang ranjang, bandawoh	V	V			V	
Cilintang, Kampung salam, Cipakis, Cimahi, Cikalejetan, Ermokla, Tanjung Sodong.	V				V	V
Tamanjaya, Cilintang,	V				V	V

Kmp Salam, Ermokla, Tanjung Sodong.						
Legon Pakis, Karang ranjang, Sodong sero, Kalejetan, Cikarang, Cihujan, Cikalejetan leutik, Cibiuk, Ermokla.	V	V			V	
Karang Ranjang, Bandawoh, Legon pakis	V	V			V	
Tamanjaya, Cikaung Gede, Cikaung Sabrang, Cikaung Leutik, Kampung Salam, Legon Pakis, Kasendor.						
Tamanjaya, Handeuleum, Balagadigi, Citelang, Handeuleum tengah, Kp. Peuteuy, Cipakis, Cikayere, Cimahi, Cikalejetan, Lorah Kaung LAngkap.					V	V
Tamanjaya, Cikaung Gede, Cikaung Sabrang, Cikaung Leutik, Kampung Salam, Legon Pakis, Kasendor.						
Tamanjaya, Handeuleum, Resort Karang Ranjang, Resort Legon Pakis.	V				V	

DETAILS OF RHINO SIGNS

Patrol Area	Footprints	Direct Sighting	Wallow	Feeding	Dung	Other Signs
Legon Pakis, Karang ranjang, Bandawoh, Cikeusik, Rorah Daon, Citadahan, Gunung Kendeng, Cibunar.	3	0	0	0	1	0
Tamanjaya, Legon pakis, Karang Ranjang, Bandawoh, Cikeusik, Rorah daon, Cikeusik Barat, Nyiur, Legon camara.	9	0	8	45	6	2
Legon pakis, Karang ranjang, bandawoh, cikeusik, citadahan, cibunar.	15	0	1	8	0	0
karang ranjang, bandawoh	2	0	1	0	0	0
Cilintang, Kampung salam, Cipakis, Cimahi, Cikalejetan, Ermokla, Tanjung Sodong.	1	0	0	0	0	0
Tamanjaya, Cilintang, Kmp Salam, Ermokla, Tanjung Sodong.	1	0	0	0	0	0
Legon Pakis, Karang ranjang, Sodong sero, Kalejetan, Cikarang, Cihujan, Cikalejetan leutik, Cibiuk, Ermokla.	3	0	0	0	0	0
Karang Ranjang, Bandawoh, Legon pakis	3	0	0	0	0	0
Tamanjaya, Cikaung Gede, Cikaung Sabrang, Cikaung Leutik, Kampung Salam, Legon Pakis, Kasendor.	0	0	0	0	0	0
Tamanjaya, Handeuleum, Balagadigi, Citelang, Handeuleum tengah, Kp. Peuteuy, Cipakis, Cikayere, Cimahi, Cikalejetan, Lorah Kaung LAngkap.	0	0	0	0	0	0
Tamanjaya, Cikaung Gede, Cikaung Sabrang, Cikaung Leutik, Kampung Salam, Legon Pakis, Kasendor.	0	0	0	0	0	0
Tamanjaya, Handeuleum, Resort Karang Ranjang, Resort Legon Pakis.	0	0	1	0	0	0

PATROL DATA

Location	Activity	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Legon Pakis, Karang ranjang, Bandawoh, Cikeusik, Rorah Daon, Citadahan, Gunung Kendeng, Cibunar.	Patrol/ Survey	5 - Jul	25 - Jul	21	3	72,13	Rhino footprint of 25-26cm, 23-24cm and 22-23cm.
Cilintang, Kampung salam, Cipakis, Cimahi, Cikalejetan, Ermokla, Tanjung Sodong.	Patrol/ Survey	5 - Agust	25 - Agust	21	3	59,57	Rhino foot print of 24-25cm, Inventoried encroachment along the track for JRSCA fence. Illegal fishing.
Tamanjaya, Cikaung Gede, Cikaung Sabrang, Cikaung Leutik, Kampung Salam, Legon Pakis, Kasendor.	Patrol/ Survey	3 - Sep	25 - Sep	23	3	31,43	Socialization of JRSCA to local people. No rhino signs. No Illegal activity.
Tamanjaya, Legon pakis, Karang Ranjang, Bandawoh, Cikeusik, Rorah daon, Cikeusik Barat, Nyiur, Legon camara.	Patrol/ Survey	5 - Jul	25 - Jul	21	4	58,91	Rhino signs.
Tamanjaya, Cilintang, Kmp Salam, Ermokla, Tanjung Sodong.	Patrol/ Survey	5 - Agust	25 - Agust	21	4	59,57	Rhino foot print of 24-25cm, Listed/ Inventoried encroachment. Illegal fishing.
Tamanjaya, Handeuleum, Balagadigi, Citelang, Handeuleum tengah, Kp. Peuteuy, Cipakis, Cikayere, Cimahi, Cikalejetan, Lorah Kaung Langkap.	Patrol/ Survey	3 - Sep	25 - Sep	23	4	12,57	No rhino sgns. Socialization of JRSCA to local people. Indication of trespassers. ,
Legon pakis, Karang ranjang, bandawoh, cikeusik, citadahan, cibunar.	Patrol/ Survey	5 - Jul	25 - Jul	21	4	65,67	Signs of rhino.

Legon Pakis, Karang ranjang, Sodong sero, Kalejetan, Cikarang, Cihujan, Cikalejetan leutik, Cibiuk, Ermokla.	Patrol/ Survey	5 - Agust	25 - Agust	21	4	38,00	Rhino footprint of 25-26 cm and 24-25 cm
Tamanjaya, Cikaung Gede, Cikaung Sabrang, Cikaung Leutik, Kampung Salam, Legon Pakis, Kasendor.	Patrol/ Survey	3 - Sep	25 - Sep	23	4	38,93	Socialization of JRSCA to local people. No rhino signs. No illegal activity.
karang ranjang, bandawoh	Patrol/ Survey	5 - Jul	25 - Jul	21	4	45,00	Rhino signs. Detected old illegal activity (fishing).
Karang Ranjang, Bandawoh, Legon pakis	Patrol/ Survey	5 - Agust	25 - Agust	21	4	46,00	Rhino foot print of 25-26cm and 24-25cm
Tamanjaya, Handeuleum, Resort Karang Ranjang, Resort Legon Pakis.	Patrol/ Survey	3 - Sep	25 - Sep	23	4	30,50	Wallow. No illegal activity.

GENERAL PERFORMANCE PARAMETERS

Number of general activities	12
Number of Patrol and Surveys	12
Distance Walked (Kilometers)	558.27
Distance Walked for Patrol and Survey	558.27
Number of Field Days	260
Number of Field Days for Patrol and Survey	260
Field Days per-person per-month	21.67

A total of 12 activities were patrols / surveys which has conducted during the 3rd quarter (1 July – 30 September 2010), covering 558 km and field days of 21.67 days per person per month.

Despite their routine patrol and survey work the UK RPU were actively assisting in dissemination of the need to develop the Javan Rhino Study and Conservation Area. They also assisted the Park Authority to translocate illegal settlers of Aer Mokla to out site area of the park.

PROGRAM PERSONNEL

(Summary of Field Days Per-Person Per-Month 1 July – 30 September 2010)

Name of Personnel	Number of Field Days	Average Field Days/Month
Andri Duriat	65	21,67 (3 Months)
Diding	65	21,67 (3 Months)
Edi	65	21,67 (3 Months)
Endin	65	21,67 (3 Months)
Hadimi	65	21,67 (3 Months)
Haerudin	65	21,67 (3 Months)
Iin Ruslani	65	21,67 (3 Months)
Jajat Sudrajat	65	21,67 (3 Months)
Mulyani	65	21,67 (3 Months)
Sorhim	65	21,67 (3 Months)
Sunardi	65	21,67 (3 Months)
Tisno	65	21,67 (3 Months)
Ujang Sukri	65	21,67 (3 Months)
Yadi Suryana	65	21,67 (3 Months)
Yusep Herdiana	65	21,67 (3 Months)

Other personnels :

1.	Otong Sontani	Field Coordinator
2.	Agus Darmawan	Ass. FC for Administration and Finance
3.	M. Syamsudin	Ass FC for Database and technical report
4.	Samaun	Boat driver
5.	Elly	Ass. Boat driver /crew
6.	Odah	Cook
7.	Hani	Office boy

YAYASAN BADAQ INDONESIA - YABI
Rhino Foundation of Indonesia - RFI

ANNEX-2:

**RECORDS ON ILLEGAL KILLING
OF ANIMALS AND OTHER FOREST OFFENSES
RPU's (BBS, WK and UK) and ILEU detected offenses**

**1 JULY - 30 SEPTEMBER 2010
(Q3)**

ANNEX - 2 : RECORDS ON ILLEGAL KILLING OF ANIMALS AND OTHER FOREST OFFENSES DURING 2010

RPU's (BBS, WK and UK) and ILEU detected offenses as follow tables :

Table-1. Records in BBS (Bukit Barisan Selatan) and surrounding , reported by RPU's and ILEU

PERIOD: JANUARI - SEPTEMBER 2010

Date of Incidence	Date of Detection	Type of Offence	Place of Occurance	Forest/WL produces recovered	Arms/ Ammunition Recovered	People Arrested / suspected	Enforcement Status	Comments
	15-Jan-10	Trespassers	BBS Sukaraja	-	4 motorcycles	-	A2	identification by Park ranger
	18-Jan-10	Wildlife conflict (elephants)	W. Kelabok, Liwa, Wst Lpg	-	-	1 group	A2	documentation
	12-Feb-10	Wildlife trade	Krui, Wst Lpg	tiger skin	-	1	A2	identification
	13-Feb-10	Wildlife trade	Pg Malsum, Wst Lampung	2	-	1	A2	identification
	14-Feb-10	Poaching	BBSKuyung Ramik	Deer meat	Traditional gun,	-	A2	identification
	16-Feb-10	Wildlife trade	Bengkunat, WstLampung	ivory pipe for smoking	-	1	A2	identification
	18-Feb-10	Encroachment, poaching	Pugung, Wst Lpg	Deer meat	Snare, spear, dog	group	A2	identification
	25-Feb-10	old encroachment	BBS Hulu W. Ngambur	3 ha plantation	-	-	A2	identification
	25-Feb-09	poaching	BBS Kubu Prah	-	old snare	-	-	inactivated

	27-Feb-10	Trespassers	BBS Lombok, Wst Lampung	-	-	3	-	documented
	10-Mar-10	Poaching	BBS Sumberrejo	-	-	3	A2	identification
	12-Mar-10	Wildlife trade	Pugung, Wst Lpg	parts of tiger	Snare, spear	group	A2	identification
	14-Mar-10	Poaching	Sukau, Wst Lampung	-	snare, spear, traditional gun	group	A2	identification
	14-Mar-09	old encroachment	Mahnai tengah	5 ha	-	-	A2	identification
	15-Mar-10	Illegal Logging	Marang, Biha, Wst Lpg	15 m3	3 chain saw	6	A2	identification
	19-Mar-10	Illegal Logging	Ngambur, Wst Lpg	165 pcs	chain saw	3	A1	Arrest suspect
	22-Mar-10	Poaching	Ngaras, Wst Lpg	1 deer, 4 pangolin	Traditional gun, knife	3	A2	identification
	25-Mar-10	Poaching	BBS Rata Agung	Deer meat	traps and dog	-	A2	identification
	26-Mar-10	Poaching	Kubu Prahu, Wst Lampung	-	nylon net	-	-	inactivated
	1-Apr-10	Poaching	BBS, Bd Agung	Tiger meat	Trad gun	-	A2	identification
	3-Apr-10	Poaching	BBS, W. Tenumbang	Deer meat	Snare	2	A3	identification
	5-Apr-10	Poaching	Rata Agung, Wst Lampung	-	spears	group	A2	identification
	7-Apr-10	Poaching	BBS, Suberrejo	Elephant	Trad Gun	4	A2	identification
	14-Apr-10	Wildlife trade	B. Kemuning, W. Lampung	Tusks of elephant	-	7	A2	identification

	16-Apr-10	Poaching	BBS, W. Laga,	-	trad gun	group	A2	identification
	21-Apr-10	wildlife trade	Bd Lampung	Tusks of elephant	-	group	A2	identification
	24-Apr-10	wildlife trade	Merpas, W.st Lpg	Tusks of elephant	-	group	A2	identification
	25-Apr-10	illegal logging	BBS, Pamerihan	1 m3 merawan wood	-	2	A2	identification
	26-Apr-10	Poaching	BBS, W. Kejadian	Deer	snare	3	A3	identification
	26-Apr-10	Bird trapping	BBS, W. Ngambur	birds	-	3	A1	Arrested suspects
	6-May-10	wildlife trade	Krui, Wst Lpg	tiger skin	-	1	A1	Arrested suspects
	6-May-10	wildlife trade	Pugung, Wst Lpg	tiger skin of 30 x 30 cm2	-	2	A2	identification
	7-May-10	deer poaching	BBS, Tenumbang	-	gun	4	A2	identification
	9-May-10	wildlife trade	Bt Kemunig, Wst Lpg	elephant tusk	-	group	A2	identification
	11-May-10	Poaching	BBS, W. Bamban	deer bone	-	-	A3	documented
	11-May-10	fishing	BBS, W. Bamban	-	camp , fishing equipment	2	A3	documented
	12-May-10	wildlife trade	Bkt Kemuning Wst Lpg	elephant tusk	-	group	A3	documented
	14 May 10	bird trapping	BBS, W. Nenok	-	nets	8	A3	documented
	21 May 10	wildlife trade	Bengkunat, Wst Lpg	elephant tusk	-	1	A3	documented

	26 May 10	wildlife trade	Bdr Lampung	elephant tusk	-	1	A2	identification
	26 May 10	illegal logging	BBS, W. Pamerihan	-	handsaw	-	A3	documented
	27 May 10	illegal logging	BBS, W. Pamerihan	5 meranti tree stubble	chainsaw	-	A3	documented
	27 May 10	bird trapping	BBS, W. Pamerihan	-	traps	2	A3	documented
	1-Jun-10	wildlife trade	Pahoman, Wst Lpg	Tusks of elephant	-	group	A2	identification
	2-Jun-10	wildlife trade	Bd. Lampung	Tusks of elephant	-	group	A2	identification
	8-Jun-10	wildlife trade	Biha, Wst Lpg	4 deer head + 4 wildcat taxidermic, tiger skin	-	1	A2	identification
	9-Jun-10	wildlife trade	Sukaraja, Tanggamus	Tiger bone and skin	-	1	A2	identification
	12-Jun-10	wildlife trade	Pringsewu	Tusks of elephant	-	group	A2	identification
	14-Jun-10	wildlife trade	Krui, Wst Lpg	horn of rhino	-	group	A2	identification
	15-Jun-10	Poaching	BBS, W. Tenumbang	-	Spears	group	A2	identification
	16-Jun-10	wildlife trade	Rata Agung, Wst Lpg	tiger skin	-	group	A2	identification
	18-Jun-10	Illegal logging	BBS, Ngambur	timbers	chainsaw	2	A2	Documented
	19-Jun-10	wildlife trade	Bkt Kemuning, W. Lpg	Tusks of elephant	-	group	A2	identification
	1-Jul-10	Wildlife trade	Trimurjo, Cntr Lpg	15 kg Elephant tusk	-	1	A3	identification

	2-Jul-10	Wildlife trade, Poaching	Balik bukit, Wst Lpg	2 Rhinoceros horn, Skull head n Bones	Snare trap, traditional gun	2	A3	identification
	3-Jul-10	Wildlife trade, Poaching	Atar way suluh, Wst Lpg	Tiger skin, skull head n tooth	Snare trap, traditional gun	2	A3	identification
	5-Jul-10	Wildlife trade	Merpas, Wst Lpg	Elephant tusk	-	2	A3	identification
	5-Jul-10	Wildlife trade, Poaching	Pahmongan, Wst Lpg	7 Ofsetan head deer	Organik gun	2	A3	identification
	6-Jul-10	Wildlife trade, Poaching	Krui, Wst Lpg	Tiger skin, 3 ofsetan head deer	Snare trap, traditional gun	2	A3	identification
	7-Jul-10	Wildlife trade	Kotaagung, Tanggamus, Lpg	Elephant tusk	-	1	A3	identification
	7-Jul-10	Wildlife trade	Krui, Wst Lpg	22 - 18 kg Elephant tusk	-	2 group	A3	identification
	12-Jul-10	Wildlife trade, Poaching	Pugung, Wst Lpg	Tiger skin, canine tooth, fingernail	Poison	2	A3	identification
	13-Jul-10	Wildlife trade, Poaching	Biha, Wst Lpg	5 ofsetan head deer, baby deer (diawetkan)	-	4	A3	Arrest suspect
	15-Jul-10	Encroachment, poaching	Melebuy, Wst Lpg	Deer	Snare, spear, dog	group	A3	identification
	17-Jul-10	Wildlife trade, Poaching	Tenumbang, Wst Lpg	Deer	Snare, spear, 9 dog	group	A3	identification

	18-Jul-10	Wildlife conflict	Talang Pendowo, Wst Lpg	Elephant	-	-	A3	identification , patroll
	19-Jul-10	Encroachment	Somberrejo, W. Cangkuk	-	-	-	A3	destroyed 1 old camp
	20-Jul-10	Wildlife trade, Poaching	Way haru, Wst Lpg	30 kg tooth elephant, 5 head deer	Organik gun, tradisional gun	2 group	A3	identification
	20-Jul-10	Wildlife trade	Kotaagung, Tanggamus, Lpg	20 cm elephant tusk	-	1	A3	identification
	23-Jul-10	Poaching	Krui, Wst Lpg	Tiger, deer	Snare trap	group	A3	identification
	23-Jul-10	Wildlife trade	Kotaagung, Tanggamus, Lpg	30 kg elephant tusk	-	1	A3	identification
	24-Jul-10	Wildlife trade, Poaching	Way tembulih, Wst Lpg	1 tail dead elephant, tusk have losed	-	-	info A2	identification , patroll
	27-Jul-10	Wildlife trade	Trimurjo, Cntr Lpg	Elephant tusk	-	1	A3	identification
	29-Jul-10	illegal loging	Sidomulyo, tanggamus, Lpg	Wood (olahan)	Chain saw	-	A3	identification
	1-Aug-10	Wildlife trade	Tjg.karang, Lpg	Elephant tusk	-	group	A3	identification
	2-Aug-10	Wildlife trade, Poaching	Way tembulih, Wst Lpg	Elephant	Organik gun	group	A3	identification
	4-Aug-10	Wildlife trade	Kotaagung, Tanggamus, Lpg	Elephant tusk	-	1	A3	identification

	05-Aug-10	Bird trapping	BBS, W. Biha	3 birds	-	1	-	released birds; documented suspect
	5-Aug-10	illegal logging	Sidomulyo, tanggamus, Lpg	30 m3 Wood (olahan)	Chain saw, motorcycle	5	A3	identification
	6-Aug-10	Wildlife trade	Metro, Cntr Lpg	Elephant tusk	-	group	A3	identification
	6-Aug-10	Wildlife trade	Kotaagung, Tanggamus, Lpg	46 kg Elephant tusk	-	group	A3	identification
	6-Aug-10	Poaching	Pemerihan, Wst Lpg	Tiger	-	-	A3	identification
	7-Aug-10	Wildlife conflict	Way haru, Wst Lpg	Elephant group	-	-	A3	identification , patroll
	8-Aug-10	Wildlife trade	Talang padang, Tanggamus, Lpg	238 kg elephan tusk	-	group	A3	identification
	8-Aug-10	Wildlife conflict	Peninggaman, Tanggamus, Lpg	1 Elephant	-	-	A3	identification , patroll
	09-Aug-10	Illegal fishing	BBS, W. Babuta	-	-	-	A3	old indication; documented
	10-Aug-10	Wildlife trade, Poaching	Krui, Wst Lpg	5kg Tiger bone,21 tringgiling hidup,leopard,1 ekor bintorung	-	1	A3	identification

	11-Aug-10	Wildlife trade, Poaching	Kubu gedung, Wst Lpg	Deer	Snare trap	1	A3	identification
	14-Aug-10	illegal logging	Panjiwayang, Wst Lpg	4 m3 wood (olahan)	Chain Saw	-	A3	identification
	15-Aug-10	Wildlife trade	Pangkul, Tanggamus, Lpg	Elephant tusk	-	-	A3	identification
	16-Aug-10	Encroachment	BBS, Peg. Kuyung	-	-	-	A3	6 months old coffee plantation of 0.5 ha
	16-Aug-10	Encroachment	BBS, Peg. Kuyung	-	-	-	A3	1 ha documented
	28-Aug-10	Wildlife trade, Poaching	Bukit, North Lpg	22kg, 23kg, 45kg elephant tusk	-	group	A3	identification
	1-Sep-10	Wildlife trade, Poaching	Gisting, Tanggamus, Lpg	400kg tusk rhino (global Rp.30jt)	Snare trap, traditional gun	group	A3	identification
	3-Sep-10	Wildlife trade	Talang padang, Tanggamus, Lpg	68kg Elephant tusk	-	group	A3	identification
	5-Sep-10	Wildlife trade	Kotaagung, Tanggamus, Lpg	12kg, 25kg Elephant tusk	-	-	A3	identification
	6-Sep-10	Encroachment	Muara pemerihan, Wst Lpg	-	-	-	A3	identification , patrol

	7-Sep-10	Poaching	Sukau, Wst Lpg	Deer	Snare trap, tradisional gun, 7 dog, knife	group	A3	identification , patroll
	9-Sep-10	Wildlife trade	Baturaja, Sum- Sel	54kg, 68kg, 72kg Elephant tusk	-	group	A3	identification
	10-Sep-10	Poaching	Laay, krui, Wst Lpg	Deer	Snare trap, tradisional gun, 7 dog, knife, lamp	group	A3	identification
	12-Sep-10	Poaching	Mahnai, krui, Wst Lpg	Det 1 deer and 1 macan akar	Otomatis gun, knife, lamp	group	A3	identification
	14-Sep-10	Poaching	SP3 ngambur, Tlg.11 ngaras, Wst Lpg	Elephant	1 Otomatis gun (have army)	group	A3	identification
	17-Sep-10	Wildlife trade	Talang padang, Tanggamus, Lpg	Elephant tusk	-	group	A3	identification
	18-Sep-10	Wildlife trade, Poaching	Tanjung karang, Lpg	4ons tusk rhino (global Rp.30jt)	-	group	A3	identification
	20-Sep-10	Wildlife conflict	Ciherang, Way haru, Wst Lpg	Elephant	-	-	A3	identification , patroll
	21-Sep-10	Encroachment, Poaching	Pugung, Wst Lpg	Deer	e trap, tombak, k	group	A3	identification

	22-Sep-10	Wildlife conflict, poaching	Way hanungan, Krui,Wst Lpg	Tiger	-	group	A3	identification
	23-Sep-10	Wildlife trade, Poaching	Siging, Bengkunat, Wst Lpg	27kg Elephant tusk (rp.4,5jt), skin tiger	-	group	A3	identification
	24-Sep-10	Birds collecting	Kubu perahu, Wst Lpg	Birds	Snare trap	2	A3	identification
	28-Sep-10	Wildlife conflict	Way sindi, Krui, Wst Lpg	Tiger	-	-	A3	identification , patroll
	29-Sep-10	illegal loging	Tl.gisting, Wst Lpg	Wood for forest lindung	-	-	A3	identification

Table-2. Records in WK (Way Kambas) and surrounding

PERIOD: JANUARY - SEPTEMBER 2010

Date of Incidence	Date of Detection	Type of Offence	Place of Occurance	Forest/WL produces recovered	Arms/Ammuniti on Recovered	People Arrested / suspected	Enforcement Status	Comments
July 09?	5-Jan-10	forest fire	WK, Way Kanan	Old forest fire area of 40ha	-	-	A3	Documented
Jan 09?	6-Jan-10	forest fire	WK, Susukan Baru	Old forest fire area	-	-	A3	Documented
Jan 09?	6-Jan-10	forest fire	WK, Way Kanan	Old forest fire area of 60ha	-	-	A3	Documented
	6-Jan-10	encroachment	RPTN Susukan Baru	-	-	-	A3	destroyed 1 old cabin

	14-Jan-10	trespassing	Perambahan RPTN Plang Hijau	Track of trespasser	-	-	A3	reported to the Park; documented
	15-Jan-10	Illegal grazing	Eks perambahan RPTN Susukan	signs	-	1	A2	proceed to the Park authority
	15-Jan-10	trespassing	Sidodadi RPTN Kuala Penet	Track of trespasser	-	-	A3	Di data dan di hancurkan
	15-Jan-10	illegal logging	Sidodadi RPTN Kuala Penet	13 pcs of bamboo	-	-	A3	Documented
	21-Jan-10	trespassing	SPTN Kuala Penet	Track of trespasser	-	-	A3	Documented
	23-Jan-10	Gaharu theft	WK, Kuala Penet	signs	-	-	A3	Burned 1 cabin, documented
	29-Jan-10	Trespassing	WK, Plang Hijau	signs	-	-	A3	Evidence : 2 bicycles; documented
	29-Jan-10	Trespassing	Plang Hijau	Track of trespasser	-	-	A3	Documented
	30-Jan-10	Trespassing	Plang Hijau	tracks	-	-	A3	1 motorcycle; documented
	31-Jan-10	Trespassing	RPTN Susukan Baru	tracks	-	-	A3	Documented
	31-Jan-10	Trespassing	RPTN Susukan Baru	tracks	-	-	A3	Documented
	31-Jan-10	Trespassing	RPTN Susukan Baru	tracks	-	-	A3	Documented

	31-Jan-10	Trespassing	RPTN Susukan Baru	tracks	-	-	A3	Documented
	5-Feb-10	poaching	RPTN Susukan Baru	-	3 unit old trap/snare for deer or wildpig	-	A3	Documented , inactivated snare
	5-Feb-10	Illegal logging	Susukan Baru	6 logs of mentru wood	-	-	-	Documented
	9-Feb-10	treespassing	Permata	track of treespassing	-	-	A3	Documented
	9-Feb-10	Illegal fishing	Permata	signs	-	-	A3	investigation
	9-Feb-10	treespassing	Permata	track of treespassing	-	-	A3	evidence : 1 bicycle; documented
	9-Feb-10	treespassing	Rawa jambu RPTN Penet	track of treespassing	-	-	A3	Documented
	12-Feb-10	treespassing	Karang sari PLG	track of treespassing	-	-	A3	Documented
	14-Feb-10	Illegal logging	Toto Projo	12 logs ; 4 m each	-	-	A3	Documented
	14-Feb-10	Illegal logging	Bungur	10 pcs sawn timber of 3 m each	-	-	A3	Documented
	15-Feb-10	illegal logging	Bungur	12 logs	-	-	A3	Documented
	15-Feb-10	Illegal grazing	Martono RPTN Susukan Baru	50 cattles	-	-	A3	Documented
	16-Feb-10	Illegal grazing	Taman Endah RPTN Bungur	25 cattles	-	-	A3	Documented
	26-Feb-10	Illegal logging	Plang Hijau	3 logs	-	-	A3	Documented

	3-Mar-10	Illegal grazing	RKPA Bungur	signs	-	6	A3	Di data dan di beri pengarah
	4-Mar-10	Illegal grazing	RPTN Susukan Baru	signs	-	4	A3	di data dan di beri pengarah
	4-Mar-10	treespassing	RPTN Susukan Baru	track of treespassing	-	-	A3	Di data
	4-Mar-10	treespassing	Susukan Baru	track of treespassing	-	-	A3	broke small bridge;
	7-Mar-10	Illegal grazing	Braja Kencana RPTN Kuala Penet	10 cattles	-	-	A3	Di data
	7-Mar-10	Illegal grazing	Braja Luhur RPTN Kuala Penet	15 cattles	-	-	A3	Di data
	9-Mar-10	Poaching	Plang Hijau	1 dead deer	-	-	A3	Di data
	9-Mar-10	Illegal fishing	Plang Hijau	signs	-	-1	A3	Di data dan di beri pengarah
	11-Mar-10	Illegal fishing	Rasau RPTN Cabang	signs		1	A3	Di data dan di beri pengarah
	11-Mar-10	illegal logging	RPTN Cabang	1 fallen tree	-	-	A3	Di data dan di dokumentasi
	11-Mar-10	treespassing	RPTN Plang Hijau	track of treespassing	-	-	A3	Di laporkan ke resort Rawa
	12-Mar-10	Poaching	RPTN Cabang	5 snares for deer and 1 sanre for tiger	-	-	A3	inactivated snares and documented
	12-Mar-10	treespassing	RPTN Plang Hijau	track of treespassing	-	-	A3	Di laporkan ke pos Rawa Bunder

	12-Mar-10	treespassing	RPTN Plang Hijau	track of treespassing			A3	Di laporkan ke Resort Rawa Bunder
	13-Mar-10	illegal logging	RPTN Plang Hijau	old sign of cutted tree	-	-	A3	Di data dan dilaporkan ke
	13-Mar-10	gaharu theft	RPTN Plang Hijau	signs	-	-	A3	destroyed 1 old cabin;
	13-Mar-10	poaching	RPTN Cabang	2 traps	-	-	A3	inactivated; documented
	24-Mar-10	gaharu theft	RKPA Way kanan	signs			A3	destroyed 1 old cabin;
	28-Mar-10	treespassing	RKPA Plang Hijau	track of treespassing	-	-	A3	destroyed 1 bridge;
	4-Apr-10	fire	WK, Sidomulyo	100 ha	-	-	A3	Documented
	5-Apr-10	illegal logging	WK, Bungur	7 pcs timber	-	-	A3	Documented
	6-Apr-10	trespassing	WK, Susukan Baru	tracks	-	-	A3	Documented
	15-Apr-10	trepassing	WK, Susukan Baru	0.25 m3 firewood	-	3	A2	Investigation
	16-Apr-10	poaching	WK, Kolam Darmaji	-	1 unit snare for deer	-	A3	inactivated
	22-Apr	Fire	WK, Gambas RI	burnt area	-	-	A3	documented
	29 May 10	trespassing	WK, Gambas RI	-	-	-	A3	dokumented, burned an old cabin
	30 May 10	fire	WK, Gambas RI	100 ha area burned	-	-	A3	dokumented
	09-Jun-10	fire	WK, Rasau	230 ha old burned area	-	-	A3	dokumented

	11-Jun-10	fire	WK, Tutung	65 ha old burned area	-	-	A3	dokumented
	12-Jun-10	poaching	WK Penang gungan	-	snare for deer or wildpig	-	A3	inactivated
	20-Jun-10	poaching	PLG	-	spears and 5 dogs	group	A2	Investigation
	25-Jun-10	fishing	WK, W. Kanan	-	fishing eq.	3	A1	handovered to Park Ranger
	02-Jul-10	Illegal grazing	WK, Kr. Anyar Kuala Penet	-	-	-	A3	water buffalo; documented
	05-Jul-10	tresspassing	WK, Susukan Baru	-	-	-	A3	8 bridges identified; documented
	05-Aug-10	Illegal grazing (cattle)	WK, Susukan Baru	-	-	-	A3	2 sites identified ;documented
	06-Jul-10	Illegal sand mining	River Sukadana	-	-	-	A3	documented
	07-Jul-10	Illegal grazing	WK, Kr. Anyar Kuala Penet	-	-	-	A3	water buffalo; documented
	09-Jul-10	firewood collection	WK, Rawa Bunder	-	-	6	-	documented
	10-Jul-10	Illegal grazing (cattle)	WK, Susukan Baru	-	-	-	A3	8 cattles documented
	15-Jul-10	Encroachment	WK, Kuala Kambas	-	-	2	A2	aressted 2 suspects; proceed to law process

	17-Jul-10	Encroachment	WK, Kuala Kambas	-	-	1	A2	arrested 1 suspects; proceed to law process
	21-Jul-10	trespassing	WK, Rawa Bunder	-	-	0	-	detected 1 bridge; monitoring
	07-Aug-10	gaharu theft	WK, Kuala Penet	-	1 old camp	-	A3	documented
	08-Aug-10	gaharu theft	WK, Kuala Penet	1 cutted tree of 27 cm diameter	-	-	A3	documented
	16 Aug-10	poaching	WK. Bungur	1 old carcass of elephant with no tusk and teeth	-	-	A3	documented
	18-Aug-10	poaching	WK, Plang Hijau	1 old carcass oh deer	-	-	A3	documented
	22-Aug-10	bird trapping	WK, Way Kanan	1 old camp	-	-	A3	documented
	03-Sep-10	poaching	WK, Margahayu	-	-	1	A3	documented
	20-Sep-10	Forest fire	WK, Plang Hijau	100 ha and 250 ha burned area	-	-	-	documented

Table-3 : Records on Illegal killing of animals and other forest offences in UK and surrounding

PERIOD: JANUARY - SEPTEMBER 2010

Date of Incidence	Date of Detection	Type of Offence	Place of Occurance	Forest/WL produces recovered	Arms/Ammuniti on Recovered	People Arrested / suspected	Enforcement Status	Comments
	10-Jan-10	Illegal logging	UK, Cimenteng	-	-	5	A1 and Arrested	Police investigation
	19-Jan-10	Illegal Fishing (Lobster)	UK, Kr. Ranjang	-	-	3	A3	Documentation
	09-Feb-10	Illegal Fishing (Lobster & Umang Mollusc)	UK, Nyiur	-	1 old cabin	-	-	Documentation; destroyed
	09-Mar-10	Illegal Fishing (Lobster)	UK, Legon Waru	-	1 old cabin; old net	-	-	Documentation; destroyed
	10-Mar-10	Poaching	UK Cilintang	-	1 trap	-	-	destroyed 1 old cabin
	17-Mar-10	Illegal Fishing (Shrimps)	UK, Pangukusan	-	1 old cabin	-	-	Documentation ; destroyed
	18-Mar	Illegal Fishing	UK, Sodong Sero	-	1 old cabin	-	-	Documentation ; destroyed
	22-Mar-10	Illegal Fishing	UK, Pangukusan	-	1 old boat	10	A2	Documentation
	11-Apr-10	Illegal fishing	UK, Lg. Waru	-	1 old cabin	-	A3	Documentation ; destroyed
	20 May 10	-	UK, Nyiur	1 rhino carcase	-	-	-	evacuated; investigated
	12-Jun-10	bird trapping	UK, Nyiur	-	net	-	A3	Documentation ; destroyed

	14-Jun-10	illegal fishing	UK, Tg. Sinini	—	3 old nets	-	A3	Documentation ; destroyed
	14-Jun-10	-	Cikeusik	1 rhino carcase	-	-	-	evacuated; investigated
	28-Jun-10	-	UK, Cibunar	3 pcs of rhino bone	-	-	-	evacuated; investigated
	07-Jul-10	illegal fishing	UK, Pangorok	1 camp	-	3	A2	destroyed camp; documented
	06-Aug-10	illegal fishing	UK, Tg. Sodong	1 camp	-	-	A3	destroyed camp; documented
	19-Sep-10	illegal logging	UK, Cikanyere	4 logs	-	-	A3	destroyed; documented
	21-Sep-10	poaching	Cikanyere	-	1 trap for mouse deer	-	A3	destroyed; documented

NOTES :

Legal status	Case with identification of
A1	suspect/s, evidence/s eyewitness
A2	suspect/s + evidence/s but no eyewitness
A2	suspect/s + eyewitness but no evidence/s
A2	evidence/s + eyewitnesses, but no suspect/s
A3	evidence/s ; or eyewitness only