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2ND QUARTER REPORT 2012

REPORTED BY: YABI SECRETARIAT

COMPILED BY : YANKY AGUNG WAHYUDI

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HEADQUARTER - YABI, BOGOR



**IRF PROGRAMS:
THE 2ND QUARTER REPORT OF HEADQUARTER YABI BOGOR
APRIL - JUNE, 2012.**

A. PROGRAM HIGHLIGHTS/ACCOMPLISHMENTS:

1. May 4th - 9th, 2012: Coordination meeting with Wildlife Conservation Society - Indonesia Program (WCS - IP) concerning the Tropical Forest Conservation Action-Sumatera (TFCA - Sumatra) proposal.
2. May 10th, 2012: YABI represented by Executive Director participated the presentation discussion invitate by The Ambassador of the United States of America regarding Indonesian Cooperation on Environtment and Climate Change in SCBD - Jakarta.
3. May 19th, 2012: Mr. M. Waladi Isnan, YABI Rhino Protection Manager and Mr. Dedi Candra, SRS Breeding Manager delifered a presentation regarding the Indonesian Rhinos program on the Seminar Save Our Rhinos in Faculty of Veterinary Medicine - Bogor Agricultural University.
4. May 28th, 2012: Coordination Meeting with stakeholders from Ministry of Environment, Television Republic of Indonesia (TVRI), Radio Republic of Indonesia (RRI) and Ministry of Forestry concerning preparation declaration of the International Rhino Year wich will be declared by the President Susilo Bambang Yudhoyono at the anniversary of World Environment Day at Juny 5th, 2012 in Jakarta.
5. June 4th, 2012: DG of PHKA, Director Conservation and Biodiversity PHKA and YABI Executive Director hosted a coordination meeting with the Minister of Forestry to discussed the preparation progress the declaration of International Rhino Year.



6. President Susilo Bambang Yudhoyono declared 2012 International Rhino Year during World Environment Day in Jakarta on June 5, as part of an initiative from the International Union for Conservation of Nature (IUCN). Indonesia is among 11 countries supporting the declaration, The President remarks: *"In conjunction with the World Environment Day on June 5th, I declare 2012 the International Rhino Year. We*

have agreed to preserve rhinoceros, which live in mere 11 countries now, and prevent their extinction," during his environment day speech at the Presidential Palace in Jakarta.

7. June 10th - 19th, 2012: YABI Executive Director held a coordination meeting with the Head of Way Kambas National Park, Head of Bukit Barisan Selatan National Park and Head of Ujung Kulon National Park regarding the Endorsement proposal from *International Rhino Foundation* (IRF) which being submitted to the Save Our Species on June 2012.

8. June 21st, 2012: Mr. Syamsudin, YABI Database Officer attended the invitation from Head of Ujung Kulon National Park regarding in House Training Resort Base Management (RBM) by The Directorate of KKBHL, Ministry of Forestry. This activity was held at Carita - Banten Province.
9. June 23rd, 2012: After two miscarriages and a pregnancy that lasted 15 months, Ratu a female Sumatran rhino has given birth to a healthy male rhino calf. The successful birth brings new hope for one of the world's rarest mammals: less than 200 Sumatra rhinos are thought to survive in the world. At the time, the team birth of process will be chaired by the SRS Veterinarian, Dr. Dedi Candra, and assisted by very experienced veterinarians from America and Australia, also a veterinarian from the Bogor Institute of Agriculture and Taman Safari Indonesia. Some veterinary experts who have come to the Sumatran Rhino Sanctuary include Dr. Benn Bryant of Taronga Western Plains Zoo, Australia, Paul Reinhart - Keeper who handle of the born of the Sumatran rhino calves at the Cincinnati Zoo, USA, Dr. Susie Ellis of the International Rhino Foundation, and Dr. Bibhab K.Talukdar of AsRSG.



10. June 25th, 2012: Public Relations Center of Forestry Ministry held a press release concerning the birth of Sumatran rhino calf in the Sumatran Rhino Sanctuary (SRS), Way Kambas National Park - Lampung Province. The Minister of Forestry Zulkifli Hasan conduct a national press conference at the same time and gave the name of "ANDATU" which is a combination of his parents' names Andalas and Ratu and a shortened version of the Indonesian expression for a "gift of God".



11. June 26th, 2012: The Head of Way Kambas National Park and officials, The Government of Lampung Timur, IRF and YABI held a press release to all locals media at Way Kambas National Park office concerning the birth of Andatu that marks the succes of in-situ captive breeding of Sumatran rhino in Asia for more than 120 years.



COMMUNICATION AND INFORMATION:

1. April - June, 2012: Updating and mainting the YABI website (www.badak.or.id).
2. Meeting with Adi R. Hariyadi (WWF Indonesia) regarding further genetics program (especially budget) in BBS and UK.
3. May 2012: Preparing TFCA proposal for BBSNP with WCS.
4. June 25st, 2012: Preparing short movie of Andatu's birth for Press Release.
5. June 2012: Provide Certificate of Appreciation for Shrimps Farmer of Labuan Maringgai, PT. ISP, Marks & Spencer.
6. June 2012 : To Prepare and uploaded the press release Andatu on YABI Website.
7. June 2012: Conference call about genetics marker for Javan rhino with Barney Long (WWF US), Peter De Groot, Priof. Hera Sudoyo (Eijkman), Udayan Borthakur (Aaranyak).

RESEARCH AND EDUCATION PROGRAMS:

June 21st, 2012: Half day seminar "*Capacity Building in Wildlife Conservation and Forensic Genetics*" on Eijkman Institute, Jakarta.



2ND QUARTER REPORT 2012 AND HEALTH UPDATE REPORT

REPORTED BY:

DEDI CANDRA & SUMADI HASMARAN

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REVIEWED BY: WIDODO S. RAMONO

SUMATRAN RHINO SANCTUARY - YABI, WAY KAMBAS NP

Picture by SRS - YABI



IRF PROGRAMS:

THE 2ND QUARTER REPORT OF SUMATRAN RHINO SANCTUARY (SRS) - YABI WAY KAMBAS NATIONAL PARK APRIL - JUNE, 2012.

PROGRAM HIGHLIGHTS/ACCOMPLISHMENTS:

1. SUMATRAN RHINOS HEALTH CONDITION ON SRS

General conditions all Sumatran rhinos in SRS on April - June 2012 are in healthy conditions with normal behaviours. During on last week of May it was rainy and the wallows were flooded, this caused the rhinos to either sleep on land or make a new wallow in another location. On June the weather was unpredictable, sometimes it rained for several days and then sunny for several days. This affects to wallowing behaviour all rhinos, they usually slept in the wallows during rainy day but when the wallows were flooded they either slept on the ground or made another wallow.

Ratu has delivered the calf "Andatu" on June 23rd, they are both in good condition.

ANDALAS:

General Condition:

Andalas has a healthy and active condition with good feeding, drinking, and better forest behaviors including wallowing. He suffered from minor wounds on his head after being paired with Bina on April 16th and May 12th - 14th. The wound was neither deep nor wide, and by the end of this month the wound had already healed but the skin colour is still different and the wound he got last month from pairing with Bina has already healed completely.

Andalas was paired once this June, with Rosa. He usually goes to the stall in the morning and afternoon. He didn't get wound after pairing with Rosa.

Treatment: His keepers usually do treatment for his feet twice a week. They wash Andalas' feet using antiseptic solution then apply topical ointment between his toes. For the wound he got from pairing with Bina, we treated him using iodine solution and a topical ointment.

BINA:

General Condition:

Bina has a good condition. Despite from the diarrhoea she got earlier on April, she is healthy and still active in the forest as always. She was moved to paddock 2B on April 30th and on afternoon but she didn't look stressed, she did her activities normally.

Bina suffered from digestion problem during April 5th - 8th. On April 5th her stool was a bit soft and had a foul smell. The stool was softer the next day and took some sample to be checked in the laboratory. We founded some protozoa in her stool under microscope. In the morning of April 6th, she looked a bit weak so we treated her with Neurobion and Norit (*charcoal pills*). Her condition was back to normal on April 8th.

Bina's was the wound she got after pairing with Andalas on May 12th - 14th. As usual, her face suffered from minor wounds and on last May the wound has healed although the cut is still a bit open on the surface.

On June 29th, in the morning, her stool was a bit soft and had some liquid. We were observed her in the afternoon and she looked normal. When she defecated the next morning, her stool was back normal.

Treatment:

- ❖ Bina's digestion problem on April we treated her with Neurobion given once a day on and charcoal pills (Norit) given twice a day. Both treatments were done on April 6th - 8th.
- ❖ Her eyes are still treated with zinc sulphate (ZnSO₄) and her feet are also treated with antiseptic and topical ointment twice a week.
- ❖ After her pairing with Andalas on April 15th - 16th and May 12th - 14th, she got some minor wounds. For her cut on the mandibular we cleaned the wound using antiseptic solution, sprayed iodine and fly repellent spray and dried some topical ointment was applied to the wound. For the wound on head we used iodine solution and topical ointment.

ROSA:

General Condition:

On April - June, Rosa's overall condition is not much difference from last month. She is very healthy, there was not any sign of illness within her and she looked lively when she was in the forest doing her routine activity. After the pairing on April 18th and on June 9th, Rosa did not do any hard courtship with Andalas.

Treatment: Her feet are usually treated twice a week using antiseptic solution and a topical ointment.

RATU:

General Condition:

On April - June, Ratu has a healthy and looks good condition. On last April, Ratu was moved to paddock 1B. On stall she usually looks up at the roof and started to climb the bars of the stall. On April 19th, the maternity stall cover with block wood as barrier. On April 30th, we tried to keep her on large boma and observed her activities from the CCTV camera.

Ratu's health condition was good and her fetus is also healthy. This was proven by the ultrasound result which showed the umbilical cord, the fluid inside the uterus, some fetus' body parts and the foetus's heartbeat (examined on April 20th). The fetus is getting bigger day by day and very difficult to find the heart. But from the ultrasound examination on 30th May the fetus is healthy, showed by its movement inside the womb.

On June 29th - 30th, there was some discharge secreted from her vulva. However the discharge smelled normal and Ratu's overall condition was good and healthy.

Ratu became calmer this month. After she gave birth to the calf on June 23rd, her characteristic changed drastically. She is much calmer and rarely snores to people. In the forest, her keepers can approach her and she will not try to harm them. Even though she is calm, we still have to be very cautious because she is very protective of her calf.

She was kept in the small Boma since June 18th. She looked stressed on the first day she was kept in the small boma. She tried to climb the gate between small and large boma, she scraped the soil a lot and also pulled the set-mess in the small boma. The following days she looked

less stressed but still restless. For her distraction we put some water buckets and logs in the Boma. Her appetite decreased drastically during June 21st and 22nd. She ate only a little amount of food on June 22nd. But after delivery her appetite was back to normal.

Treatment:

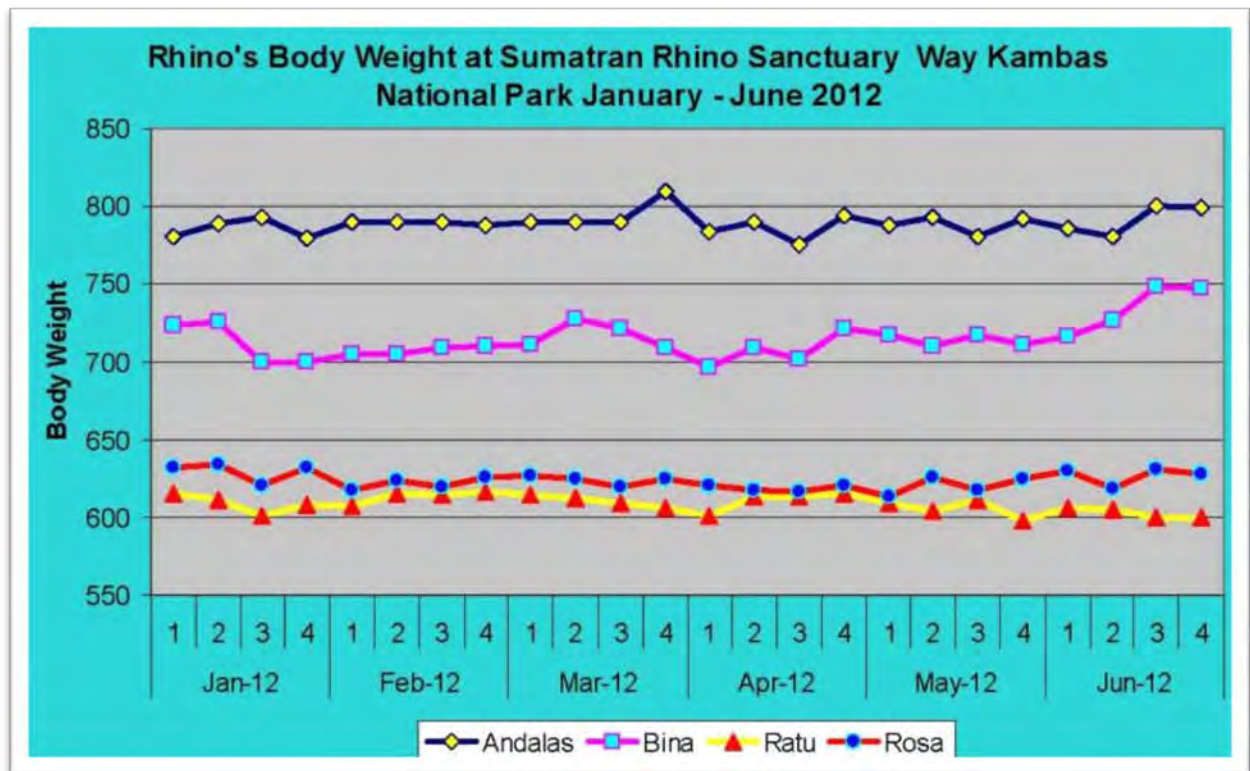
She was usually given 11cc Regumate hormone every day. But starting from June 2nd the Regumate hormone amount was decreased every day. The last Regumate given was 1cc on June 11th.

Starting from June 20th she was given the vitamin B complex (Neurobion) for 3 days.

OTHER RHINOS HEALTH INFORMATION:

❖ SUMATRAN RHINOS BODY WEIGHT IN JANUARY- JUNE 2012:

All sumatran rhino's body weight has showed stable with a bit fluctuation. Rhinos on SRS are usually weighed in the morning after being cleaned and before eating any food. That way we can weigh them exact weights, without any mud or food inside. But the result may vary as the rhinos probably have browsed some leaves or drink in the forest and have not defecated. But if the weight difference is below 10% it's still considered to be normal.



❖ HOOFF (FOOT) PROBLEM APRIL - JUNE 2012:

All rhinos have good pad condition, just founded small holes, a bit eruption and black color.

❖ LABORATORY EXAMINATION AND RESULTS:

The blood sample was collected from Andalas, Rosa and Bina on April 24th and May 25th. For Ratu we could not manage to collect her blood. The results were normal with a bit fluctuation. Fecal samples were collected from all rhinos and founded some of fecal parasites but the infection is low. SRS has more concern for *Fasciola Sp* and *Strongylus Sp* eggs because all rhinos in the sanctuary where exposure from these parasites.

2. SUMATRAN RHINO REPRODUCTIVE PROGRAM APRIL - JUNE 2012:

SRS REPRODUCTION HIGHLIGHTS:

- ❖ The reproductive program includes monitoring behavior, reproductive status and monitoring pregnancy with ultrasound, introduction of Andalas with 2 female's rhino (Rosa and Bina) and pairing rhinos if introduction showed results good.
- ❖ Monitoring with ultrasound showed results good.
- ❖ Ratu has delivered her calf on June 23rd at 00.41 Am.
- ❖ On April:
 - Andalas and Rosa were introduced 5 times on April and were paired on April 18th.
 - Andalas and Bina were introduced 8 times on April and were paired on April 15th - 16th.
- ❖ On May:
 - Andalas and Rosa were introduced 6 times this month and were paired on May 16th.
 - Andalas and Bina were introduced 7 times this month and were paired on May 12th - 14th.
- ❖ On June:
 - Andalas and Rosa were introduced 11 times this month. Andalas and Bina were introduced 12 times this month.
 - Andalas and Bina were not paired, while Andalas and Rosa were paired on June 9th.

MONITORING RATU'S 3RD PREGNANCY:

Ratu's health pregnancy condition on April – June was good and her fetus is also healthy. This was proven by the regular applied ultrasound examination, from the ultrasound examination we cannot really tell which body parts we saw on the ultrasound because the fetus is getting bigger. But we can see that the foetus's heart is still beating, the umbilical cord is visible and there's enough fluid inside to protect the fetus.

ANDALAS SEMENT COLLECTION:

We failed to collect Andalas' semen by using manual massage on April 1st. Andalas has a habit that when his penis is erect he will lie down on the floor. So we have difficulties holding his penis in this position because usually it is covered by his hind feet.

INTRODUCE PROGRAM:

❖ ANDALAS AND ROSA

On April:

They were introduced 5 times this month (on April 9th, 10th, 18th - 20th) with varied reaction and best responses happened and were on April 18th. Andalas did not chase Rosa and he walked slowly and calmly toward Rosa. But as usual, Rosa felt terrified by his presence and ran away. They didn't have any courtship this time.

On April 18th, we could see her cervix was bigger than usual and the follicle was very good, diameter 20 mm. Paired them on April 19th, but the result was not good. The next ultrasound examination was on April 21st, and we predicted she have been ovulated on April 20th.

On May:

They were introduced 6 times this month (on 1st, 2nd, 9th, 15th, 16th, 27th and 30th). Her reactions varied; sometimes she was interested with Andalas and spent a long time in front of him, including the standing heat. Good responses happened to the May 18th.

Andalas and Rosa were paired on May 16th. The beginning was very good, where Andalas did not chase Rosa; he walked slowly and calmly toward Rosa. This time Rosa just stayed at her place. Andalas mounted Rosa for the first time, it lasted for about seven minutes. He mis-mounted Rosa from her side and slipped, then Rosa ran away and Andalas chased her. There was no courtship happened during this pairing and they were separated in the afternoon.



Rosa showed good introduction response, Andalas mounted Rosa for the first time.

Rosa's ovaries were examined using routine ultrasound examination. When she was examined by ultrasound on May 15th, her follicle was good. Then the next day she showed good response, that's why we decided to pair her with Andalas. When she was examined the next day (May 17th) the follicle had ovulated.

On June:

They were introduced 11 times this month (on June 4th - 10th, 17th, 26th, 29th and 30th). Her reactions varied; Good responses happened on June 4th and 9th. While bad responses happened on June 5th and 26th. Andalas and Rosa were paired on June 9th and there was no courtship during this pairing.

Rosa's ovaries were examined using regular ultrasound. Since the beginning of this month there is one big follicle (18 - 22 mm) in her right ovary, we thought that was our follicle target for ovulation. But based on the ultrasound examination, she ovulated on June 13th from a follicle in her left ovary. After ovulation, the big follicle in the right ovary remained there. But in the last week of June the size of the follicle had started to decrease.

❖ ANDALAS AND BINA

On April:

They were introduced 8 times, on April 2nd, 3rd and 11th - 16th. The results were varied, they showed good responses on 2nd, 3rd and 15th. They were paired on April 15th - 16th. Andalas entered the centre area on April 15th in afternoon, he chased Bina and they ran in the centre area for a while before doing courtship. They also went wallowing together, but then Andalas chased Bina again. These activities continued until the next morning. Then Andalas and Bina were separated on the April 16th.



Very interesting Bina still showed good response for breeding with Andalas.

Bina's ovaries were examined using routine ultrasound examination. The follicle was very good on April 15th; hence we decided to pair her with Andalas. On April 17th morning she was examined again and the follicle wasn't there anymore, which means she had ovulated. Theoretically, a female will show estrus signs before and during ovulation.

On May:

They were introduced 7 times, on May 3rd - 8th, and 12th. The results were varied, they showed good responses on May 8th and 12th but the results were bad during May 3rd - 6th. They were paired on May 12th - 14th.

Bina's ovaries were examined using routine ultrasound examination. The follicle was very good on 12th; hence we decided to pair her with Andalas. When she was examined on May 15th, her follicle had already ovulated and drh. Dedi practiced to do Artificial Insemination.

On June:

They were introduced 12 times, on June 1st - 3rd, 11th - 17th and 19th - 21st. The results were bad response, there was no peak oestrus in Bina this month.

Bina's ovaries were examined using regular ultrasound, her cycle this month was delayed.

RATU'S 3RD PREGNANCY AND BIRTH

First Sumatran Rhino Baby Born in Captivity - Sumatran Rhino Sanctuary in Indonesia

A critically endangered female Sumatran rhino living in a sanctuary facility in Way Kambas National Park Lampung, Sumatra gave birth to a baby male rhino (calf) named "Andatu". This birth was monumental on a global scale, as Sumatran rhinos are among the rarest species on earth, with every individual animal birth and this birth in particular vital to stave off extinction.

On Saturday July 23rd, 2012 there was some happy news for Sumatran rhino sanctuary Way Kambas National Park in Sumatra, semi captive female Sumatran rhino (*Dicerorhinus sumatrensis*) "Ratu" finally gave birth to a healthy calf. Previously Ratu has had two miscarriages in 2010, and the 470 days (15 month and 12 days) pregnancy period is an amazing time for the staff at the sanctuary. Andatu has been the first Sumatran rhino ever to be born in captive or semi-captive in Indonesia, and only the fourth captive birth in a century. This expectation has been waiting a very long time, about 124 years ago after the first known captive birth at the Calcutta Zoo in India in 1889.

The last three in-captivity births for Sumatran rhinos took place in the United States at the Cincinnati Zoo in Ohio (Andalas, Suci and Harapan). This calf boosting survival hopes of saving one of the world's most endangered species and new hopes has arisen for the conservation of Sumatran rhinos.

It's a really big present for the Sumatran rhino breeding efforts as we know that this is a very rare species which have some difficulties in their reproduction. The pregnancy was also a global effort. Andalas, the Sumatran rhino who bred with Ratu, was born at the Cincinnati Zoo. His arrival in 2001 marked the first time in over one hundred years a Sumatran rhino was born in captivity. When he was two years old he traded Ohio winters for sunny Southern California and in 2007 after calling the Los Angeles Zoo home he was sent to the sanctuary.

Managed breeding at the Sumatran Rhino Sanctuary and other special facilities is an integral component in the global management of this species.

Less than 200 Sumatran rhinos are thought to be living in the world today. Most of them live in isolated pockets in Southeast Asia. The baby's father, Andalas, was the first to ever be born in captivity. He and Ratu's baby is only the fourth to be born in captivity in more than a

century. With birth rates that low, continued poaching for their horns and habitat destruction, the new baby is a welcome addition to the sanctuary.

Indonesia Forestry Minister "Zulkifli Hasan" says "The rhino birth will be a milestone for the conservation of the Sumatran rhinoceros and is expected to increase confidence in the international community and government efforts to conserve endangered species in Indonesia, especially rhinos. "The birth of the Sumatran Rhino is a rare gift in the 2012 International Year of the Rhino launched early June by Indonesia's President Soesilo Bambang Yudhoyono.

Pre Birth

In preparation for the delivery, SRS has constructed a special maternity pen for Ratu and her calf. The primary structure a combination of concrete, chain link and shade cloth barriers are being employed to prevent any attempted escapes by the calf. From June 18th, 2012 SRS management has fully conditioned Ratu in the maternity facility (Large boma 100x100 m, small Boma 30x30 m and maternity stall) and closely monitored through the rhino keepers, Veterinarians and to ensure that Ratu and her baby are under 24 hour observation, a closed-circuit video camera system (CCTV) is setting up and running. Although limited and smaller place, but the medical team tried to meet the daily needs of Ratu for comfortable.

Since June 12th, 2012 Ratu was confined to a small boma area within the forest, with access to maternity stalls with barrier (plywood barriers have been put up to make sure the tiny calf can't slip through the maternity stall rails). Ratu very much wanted to go back into her large boma or paddock, but for her safety and that of the calf, she needed to be in a smaller area so that the birth situation could be managed in case she got into trouble or problem. Ratu was exceedingly restless in the boma, pacing, chewing up rubber water bins, breaking up plywood with her horn. Placement of a small location is also necessary to place the calf care until getting strong about 2 weeks to 1 month and this period is a critical time for Ratu and calf.

Enrichments in small Boma:

- ❖ Provided and hanging browse (food) supply with high variety, good quality and additional food in different areas.
- ❖ Placing fruits especially bananas in tree crevices.
- ❖ Placing some block of wood (logs).
- ❖ Placing a bucket of water from the plastic/rubber able to drink and toys.
- ❖ Dangling mineral block in the trunk.
- ❖ Setting up some wooden blocks to being pushed.
- ❖ Placing additional food (leaves) in several places with a high position such as the forest trees, etc.
- ❖ Create wallow, etc.

Birth

After several days Ratu has adaptive behaviours in a small boma. Behaviours is changed drastically reduced feed consumption and her appetite declined drastically at the time, this is not real stress but the natural behaviours of the mother before delivery to empty the stomach contents so that the food wouldn't disturb the exit of the foetus. Another change is the sign of the birth such as climbing trees, scratching and digging the ground, wallowing just short,

often sleeping on the ground, walking and looks nervous. All changes in these behaviours are different from previously normal behaviours. The team thus had to be on top alert and the Veterinary team prepared all emergency equipment including equipment for the "section Caesarea" in the maternity facility on June 20 because the vet thought the birth time is getting closer. Vets and keepers who have access to maternity facilities began 24 hours to monitor closely and record any changes that occur while trying to adapt with Ratu. The team could not determine the exact date and time of the delivery.

Two days before the birthday, Ratu looked anxious. The team calmed her by providing a water bucket and wooden bars but the bucket was broken, the wood pushed and drawn.

On the morning of June 22nd she looked very agitated.

Four hours before delivery, Ratu got very uneasy "The hours were filled with tension". As delivery got closer, Ratu got really wild. She was moving, now and again scratching a tree with the front legs, entering into a mud hole for short periods of time. She also repeatedly lied on her side and back, standing, and lying down again. One thing she did repeatedly was put her front legs up on trees or on the stall barriers, It might be a Ratu's strategy to make the position of her calf face downward or position for delivery, so that the infant would be born more easily.

For those two hours, Ratu also frequently cried and screamed loudly. Put a closed-circuit television system (CCTV) to allow continuous monitoring (observing) of the birthing area, placing four moveable cameras around the birthing area, as well as hand held cameras.

On the same day her amniotic fluid started coming out, first at 11.00 p.m. Then the second at 11.04 p.m. At 11.47 p.m. The amniotic sac and the forelimbs were visible. The calf was successfully delivered on June 23rd at 00.41 a.m. The vet almost assists this delivery process because Ratu look difficult to birth. The calf is a male. Here everything proceeded very normally.

The baby looks healthy and normal with the start crusted body motion including trying to stand up a few minutes later.

At 3:15 a.m. He was able to stand up and went straight to the mother's milk.

At 3:20 a.m. He started to milk (suckles - breastfeeding), it is very important because the first milk (colostrums) is very necessary for antibody and endurance baby someday. Ratu looks very matronly by guiding the calf find the milk. If the calf does not want to nurse the medical teams have set up some alternative options such as giving milking colostrums from the Ratu or artificial colostrums from the horse. Still according to the reference, baby rhinos should drink colostrums from their mothers at least until the first 10 hours after birth.

Placenta

A few minutes after Ratu nursed the calf for the first time, the placenta dropped completely. It was collected, the fibroblast cells were harvested and the samples were safely preserved in liquid nitrogen and the rest of the placenta was preserved in formalin solution.

These cells hopefully can be used to generate stem cells in the future, which may have a number of potential uses from curing diseases to helping promote reproduction.

This is another way in which this birth can contribute new knowledge and tools potentially important to sustaining the future of the species.

At 03.42 a.m. Second milk and began to stand up straighter and longer.

At 04:19 a.m. Third milk, then the calf often milks. The next calf' milk about 30 times per day (H1-3) and suckling the following days 20 times/day. Ratu began eating leaves and drinking.

First day just keeps distance and avoid touching by hands would make Ratu stressful and reject her baby's presence but Andatu looks healthy. Both of them are all very well and now under protection and close monitoring to maintain their condition.

Ratu of gestation period is 470 days a bit faster than 3 rhinos calf at the Cincinnati Zoo about 475 days. This Ratu's Pregnant from successfully breeding with Andalus on March 12th, 2011 and early pregnancy was detected on day 17 by ultrasound.

The rhino birth process is conditioned as natural as possible by limiting the attendant location. Dedi Candra, Lamijo, Sugiono, Dede, Dr. Benn and Paul who are in a stable location while directly observing the birth only drh. Dedi and Lamijo, this is done in order to maintain comfort during delivery. Others SRS staff just saw the birth from CCTV monitors in Mess SRS. Natural birth is very beneficial for further breeding rhinos that can occur with a natural born rhino as well as a natural condition as possible.

On June 23rd, 2012 DR. Scott Citino of White Oak Conservation Centre Americans comes to SRS and June 24th, 2012 Dr. Bryan Benn returned to Australia.

Hormone supplements!

To assist her in having a successful pregnancy, Ratu was prescribed a hormone supplement that was given orally every day since day 18 of pregnancy based protocol and dosage from the Cincinnati Zoo.



Ratu together with Andatu (1) & (2); Andatu runs in boma (3); Andatu sleep on the mud (4).

Post Birth

Soon after delivering keeper put Salt is scattered round the Boma. This is one option for anticipating to tigers, wild boars, lizards and snakes may come because there's a fishy smell after the birth.

On June 26th both the calf and Ratu are healthy. Andatu umbilical cord detached. During his first week, he had learnt to stand up, to milk, to walk, to run and he had started to eat some bananas (half banana a day). We didn't give any vitamin or supplement for the calf. He urinated for the first time on June 24th in the morning. During the day he likes to run in the Boma and sometimes played with Ratu (head tohead). During the night they usually sleep and sometimes wake up to eat then go back to sleep. We tried to clean his umbilical cord daily to prevent any infection.

Fortunately Ratu has regained her appetite. She daily consumes 20 - 30 kilograms of browse with at least 15 differences species every day.

3. OTHERS PROGRAM IN SRS - YABI ON APRIL - JUNE 2012:

❖ NEW SRS VETERINARIAN:

After 3 months Internship program at the SRS, finally Drh. Eliza Jinata joined with SRS YABI as veterinarian to support SRS Management.

❖ SRS STAFF TRAINING PROGRAM ON TAMAN SAFARI INDONESIA:

Training is very important for SRS staff especially to keepers because this is the first opportunity for them to follow training since 14 years ago. This rare opportunity is utilized by the keeper with seriously activities in the safari park to see wildlife management. It is a safari park zoo, but this is the best facility in Indonesia for wildlife in the captive. In the Safari Park, they have White rhinoceros. In this time, the SRS staff visited Safari Garden is Dedi Candra - SRS Veterinarian, Lamijo - Ratu's Keeper, Sunarto - Andalas's Keeper and Surono - Staff Facilities.

We hope soon, the other keepers will have opportunities for training also.



❖ EVENT:

Founded a fallen tree hit the electric fence. The location was near a swamp at the border of paddock 4A and 4B and the fence was hit to the ground. Broken tree is one problems in the SRS.



❖ MATERNITY FACILITY:



Maternity stall (1); Dr. Dedi Candra and Lamijo see CCTV and daily discussed (2); Lamijo prepared CCTV camera (3); Lamijo, Paul and Dr. Benn Bryant prepared rhino food (4); and DR. Sussie, Dr. Scoot and Paul monitoring rhino with CCTV in the office (5).

The senior veterinarian Dr. Dedi Candra had closely monitored Ratu's pregnancy by checking her condition weekly and conducting regular ultrasound exams.

Assisting the Sumatran Rhino Sanctuary's veterinarian, many international rhino's experts were involved in Ratu's delivery and this is an international collaboration. Besides Dedi

Candra and SRS's staff, the team included, Benn Bryan from Taronga Western Plains Zoo, Australia; Scott Citino from White Oak Conservation Centre, USA; Sussie Ellis from International Rhino Foundation, was also on hand for the delivery and took advantage of this rare opportunity to harvest valuable stem cells from the placenta; Widodo Ramono from Yayasan Badak Indonesia; Bibhab K. Talukdar from Asian Rhino Specialist Group, IUCN; and Paul Reinhart, a rhino keeper at the Cincinnati Zoo and Botanical Garden who has assisted with three other captives Sumatran rhino births before.

Drh. Dedi Candra fully responsible for the birth process as an SRS Animal Collection Manager/Senior Veterinarian and the YABI Circular Letter No. 070/S-Pengurus/YABI/VI/2012 about the assignment in the context of the rhino birth at the SRS.



Head of Way Kambas National Park, Ir. Awen Supranata see Ratu & Andatu a day post birth (1); Director of IRF DR. Sussie Ellis and Sumadi (2); SRS vet and experts (3); and Dr. Dedi, Dr. Benn and Dr. Scoot (4).

SECURITY:

Routine patrol in the Sanctuary area and stall facility is conducted by: Polhut SRS, Polhut WKNP (Polhut from Section 1, 2 and 3), RPU YABI and SRS YABI.

4. NEW PARTNERSHIPS/COLLABORATION & FUNDING OPPORTUNITIES:

COLLABORATIONS:

- ❖ On May 19th, 2012: National Seminar "SOS Rhinoceros" in the IPB Bogor - YABI was participated in this seminar.



- ❖ On May, 2012: Lampung Fair Public Festival - SRS YABI and Way Kambas National Park participated in this event.



PRESS RELEASE:

" On Monday, June 25th, 2012 at 14.00 p.m. At Manggala Wanabakti 4th floor of Block I of Public Relations Center of Forestry Ministry held a press release or news release about the birth of a calf Sumatran rhino in the Sumatran Rhino Sanctuary, Way Kambas National Park, Lampung." on this occasion the Minister of Forestry Zulkifli Hasan conduct a national press conference at the same time gave name to "ANDATU" which is a combination of his parents' names and a shortened version of the Indonesian expression for "gift of god". The minister actually really wanted to see first hand the Sumatran Rhino Sanctuary (SRS) as soon as possible but still awaiting confirmation from the Veterinary SRS and Forestry Minister wants to wait Andatu really strong and can be seen. Almost all National media like as newspapers, national TV and online to attend this press release and the attached detail ingredient.

After Minister did press releases, and IRF YABI immediate publication also through the website (www.badak.or.id and www.rhinos.org).

The next Tuesday, June 26th, 2012 at 13.00 p.m. TNWK, Lamtim Forest Service, and IRF YABI perform a special press release to local media at the National park office which was attended by about 17 newspapers, online and TV. Guest permits will be issued by PHKA through coordination with SRS TNWK YABI and limited to specific guest / important / state / expert and is still closed to the public. To facilitate visitation will handle by Arief Rubianto, Sukatmoko, Suharno and Polhut SRS.



Press Release in the National Park office and Ratu & Andatu was headlined in the national and local Newspaper

COORDINATION:

Director YABI (Widodo Ramono) and Director of the IRF (Sussie Ellis) during the birth process is based on the SRS TNWK direct and monitors all activities at SRS while the director of the National Park (Awen Supranata) constantly monitors developments and coordinate with stakeholders including PHKA and media.

VISITING GUESTS/TOURIST/ETC:

There were some guests visited SRS on April - June:

- ❖ On April 15th - 17th, 2012: April Salter, Amber Salter, Pak Widodo and Pak Inov visited SRS, they went to the stalls to meet with the rhinos and also went to the centre area to see Bina and Andalas.
- ❖ On April 26th, 2012: Pak Widodo arrived at SRS in the evening and left on the 28th, while Pak Inov came on April 29th but stayed with the RPU team. They came to accompany the reporters from BBC (Tuppence Stone and Mark Sharman) who wanted to take video of the rhinos, especially Ratu. They took some video at the SRS on April 27th - 29th.
- ❖ On June 8th, 2012: Paul Reinhart arrived. He is a keeper from Cincinnati Zoo, USA, who helped Emi while delivering her three calves (Andalas, Suci and Harapan). He left on June 30th.
- ❖ On June 9th, 2012: Pak Widodo arrived. He left on June 19th. Then he came back to SRS on June 23rd - 24th and June 26th.
- ❖ On June 10th, 2012: Bu Susie Ellis from IRF arrived. She will leave after the condition of the baby is normal. She also helped to collect fibroblast from the placenta for stem cell purpose. She left on June 30th.
- ❖ On June 10th, 2012: Pak Inov arrived too. Pak Inov left on June 16th June, but came back again on June 19th and left on June 30th.
- ❖ On June 11th, 2012: Dr. Benn Bryant arrived. He left on June 24th. He is a veterinary from the Taronga Western Plain Zoo, Australia.
- ❖ On June 12th, 2012: Bibhab K. Talukdar arrived. He left on June 16th.
- ❖ On June 24th, 2012: Dr. Scott Citino arrived. He left on June 30th.
- ❖ There were also some journalists and guests who visited SRS to see Andatu.

REFERENCES:

- ❖ SRS Daily Report April - June 2012.
- ❖ SRS Breeding Monthly Report April - June 2012.
- ❖ SRS Facilities Monthly Report April - June 2012.



RHINO PROTECTION UNIT (RPU) ACTIVITIES & PERFORMANCE REPORT BUKIT BARISAN SELATAN - NP, WAY KAMBAS - NP & UJUNG KULON - NP 2ND QUARTER REPORT 1 APRIL - 30 JUNE 2012

REPORTED BY:
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COMPILED BY:
YANKY AGUNG WAHYUDI

REVIEWED BY:
WIDODO S. RAMONO

DATE OF VERIFICATION:
August 9th, 2012

RHINO PROTECTION UNIT (RPU)



PROJECT TITLE:
PROTECTION PROGRAM OF YAYASAN BADAQ INDONESIA

Reporting Period: 1 January - 30 June 2012

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
2. World Wide Fund Indonesia
Graha Simatupang Building
Tower 2 Unit C 7th Floor
Jl. Letjen TB. Simatupang Kav. 38, Jakarta Selatan

Authorship:

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

Executive Summary:

The decline of Sumatran and Javan rhino have 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 during the previous decade was estimated only 215 – 319 and at the present is estimated not more than 200 animals, it will be extinct for the next decade if there are no appropriate, bold, 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 over exploitation of rhino (most recently by poachers after the horn). At this time, animal poaching pressure continues to be high in Indonesia, there is a strong need of this country to emphasize anti-poaching activities. In response to this the rhino protection program of Yayasan Badak Indonesia (YABI) has been activated to answer the need. Rhinoceros is subjected to poaching pressure both from hunters and from trappers, they use wire snares and other traps that aim to kill animals. The methods 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. 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 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 villagers . The program entails series of approaches that 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 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 that the operation of Rhino Protection Units (RPUs) 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 secure 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 population 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 with th presence of mouse deer traps, bird traps, as well as poaching of marine resources (crabs, langusts, clams, etc.) . 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 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, 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 it self 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 17 Rhino Protection Units (RPUs) in Sumatra and Java.
2. Establishment and operate Intelligence and Law Enforcement Unit 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: -

- ❖ Ir. Agus Priambudi, M.Sc. , the Head of UK NP, as Regional Consultant of RPU UK, has moved to his new assignment as the Head of Gn. Halimun Salak National Park. This position is now substituted by Dr.Ir. Moch. Haryono , as the new Head of Ujung Kulon National Park (April 2012).
- ❖ Mr. Otong Sontani, a staff of UK NP, as Field Coordinator of RPU UK, has promoted as the Head of Handeuleum Resort of UK NP (April 2012). The substitute is now being process.
- ❖ New Base Camp of RPU UK in Village Cigorondong (about 5 km to Tamanjaya) since June 2012.



Picture1. New RPU UK's base camp



Picture-2. Patrol in BBS

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 (UK NP) is reported as seen in Annex 1 . (*RPUs Activities Report Periode April – June 2012.*), as per attached.

During the implementation of this activities such as surveys and patrols the RPU/RMPU achieved numbers of surveys, distance walked and duration of time they consumed 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 to hand over the cases to local Police Stations.

The achievements of the Protection Program for this period of *April – June 2012* is described below in *Annex 1*.

Records on illegal killing of animal and other forest offences 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 personnels in this unit that have to work in collaboration with informants, RPUs, Park Rangers and the Police, in the case that they have a confirmed case and that have to apprehend the suspect/s for further law enforcement efforts. Although ILEU's is based in BBS and surroundings, they are available to assist ILEU operations in both WK and UK NPs.

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

Conclusions and Recommendation:



Picture-3
Footprint of juvenile rhino encountered in WK12



Picture -4.
A snare for mouse deer encountered in UK and inactivated

In this period, the average number of field days per month of every person RPU UK reached the highest (18.44), 1.56 days lower than the Program required of 20 days/month. RPU BBS achieved 15.17 as the result of their 34 patrol (of their total 40 activities). RPU WK achieved 14.44 as the result of 44 patrol (of their total 56 activities), RPU UK achieved 18.44 as the result of their 42 patrol (of their total 69 activities).

There was 1 direct sighting of rhino in UK, and especially for Ujung Kulon, the RPU encountered a large number of 310 rhino signs. In WK, RPU encountered footprint of female and juvenile in 3 different place and time. In UjungKulon, poaching of non mammals (birds) and fishing was a serious threat that had been anticipated by RPU together with Park Authority. While in UK, although neither rhino poaching encountered nor rhino poacher activity is detected, poaching of other wildlife were found such as detection and inactivation and distroyment of 50 snares for mouse deer in Balagadigi area.

The RPU noted of emergence of animal trapers in Way Kambas.

The Program had found many rhino footprints in this period but it can not be utilized to determine the number of rhino population. It still need to be analyzed with the sophisticated method.

YAYASAN BADAK INDONESIA - YABI **Rhino Foundation of Indonesia - RFI**



ANNEX-1:

QUARTERLY ACTIVITY AND PERFORMANCE REPORT

**1 APRIL - 30 JUNE 2012
(Q2)**

RPU-BBS BUKIT BARISAN SELATAN NATIONAL PARK

Highlights

- o Detected 1 old snare for mouse deer.
- o Identified nocturnal tarsius and Sumatran rabbit.
- o Training on Wildlife Crime Data Base.

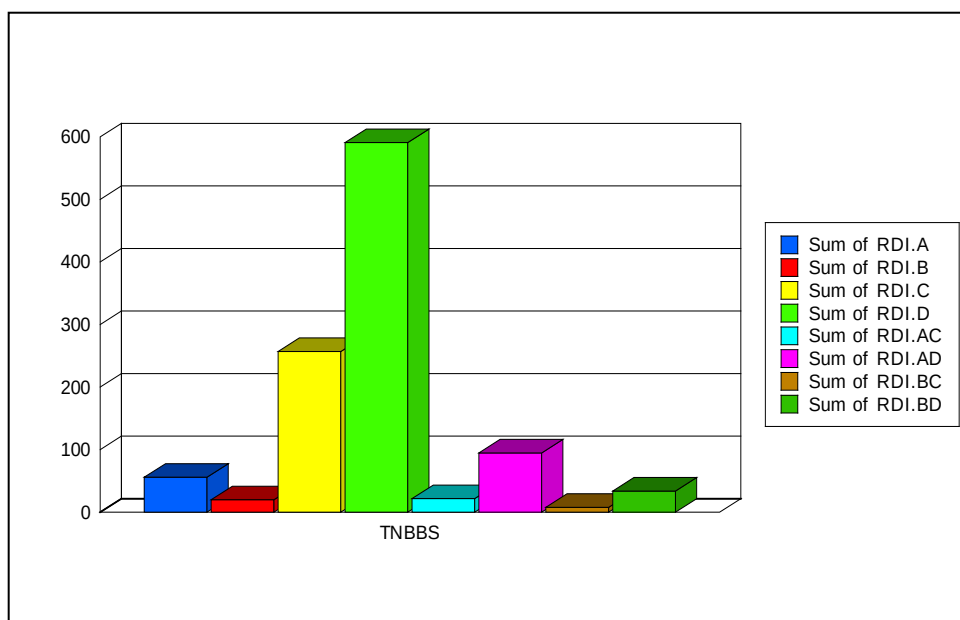
BASIC POPULATION PARAMETERS

No. Of Case Footprint Encountered	Number of Footprints	Wallow	Feces	Feeding	Other Signs*	Direct Sighting
56	66	10	5	3	2	0

* Include Urine, Scratches, Rub

During the 34 patrols / surveys in this period, 86 independent signs of rhino were found and recorded with no direct sighting of the animal.

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
56	20	257	591,00	21,79	94,75	7,78	33,84

(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	4	0	1	0	0	9

* 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 14 cases of illegal activities were detected. The major case encountered were non mammals, then followed by old encroachment . **No trap of rhino** encountered.

Record of cases as per what is 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 Areas	Rhino	Elephant	Tiger	Tapir	Other	Offences
Liwa, Kotaagung						
Peninggaman, Hulu way pemerihan, Hulu way cangkuk dan sekitarnya	✓	✓		✓		✓
Sumberejo, Way cangkuk, Cawang haro, pemerihan dan sekitarnya		✓	✓	✓		
Sukaraja atas, Buper sukaraja atas, Hulu way pemerihan tengah, Cawang haro, KM 26 dsk		✓		✓	✓	✓
Sukaraja atas, Bengkumat bidang PTN I semaka dsk						
Pal 50, Jalan lintas sukaraja bengkumat, Pemerihan, Sumberejo, Panjiwayang, Kubu perahu dsk						✓
Way ngambur dan sekitarnya	✓	✓	✓			
Panjiwayang, Ngambur, Mendati, Pal 50 dsk						
hulu way meluang, Hulu way menterang, Kubu perahu dsk			✓		✓	
Sumber rejo, Way haru						
Kantor BTNBBS kotaagung						
Sukaraja atas, Kuyung arang, Pal 50, Tulung bamban, Jalan tebus sanggi bengkumat, Talang kebudu, Balai kencana dsk						
SUPM Way gelang, Kotaagung						
Suoh, Pungkalan, Tirta luhur atas, Rawa giri dsk						
Sukaraja atas, Peninggaman, Giritoto, Muara dua, Pesanguan, Penyantun,						

Purwosari, Pedamaran, Way nipah dsk						
Talang 11, Talang sangsado, Talang baru, Pagar bukit dsk						
Panjiwayang, Kubugedung, Talang pendowo, Trangging, Kubu kulit dsk						
Kubu Perahu, Hulu way meluang, Hulu way menterang, Hulu way tenumbang, Hulu way mahnay lunik, Hulu way mahnay balak dsk	✓	✓	✓	✓		✓
Kupang hulu, Siring huwong, Way ngambur pangkalan, Kubu banir, Panjiwayang dsk	✓	✓	✓			
Pos dal RPU BBS						
Hulu way pemerihan, Hulu way canguk dsk			✓	✓		
Pemerihan, Sumberejo, Way canguk, Hulu way pemerihan, Hulu way babuta dsk		✓	✓	✓		
Krui, Pahmongan, Way mahnay balak, Hulu way mahnay tengah, Hulu way mahnay lunik dsk	✓	✓	✓			
Tampang, Kaur gading dsk						
Sukaraja atas, Pal 50, Pemerihan, Pintau, Tlg.baru, Tlg.timunan, Tlg.cibaliung, Tlg.sukadi, SP3, SP2 dsk						
Sukaraja atas, KM 50, Pemerihan, Jalan lintas sukaraja-bengkunat						✓
SMPN 1 kotaagung, Kab.Tanggamus						
Sukaraja, Bengkunat, Krui dsk						
Sukaraja, Pemerihan, Ps jumat, Ps minggu, Panjiwyang, Way jambu, Siring lili, Biha dsknya			✓			✓
Way tenumbang, Way mahnai, Krui dsk nya						
Pintu gerbang sukaraja Bidang II, Krui, Kota karang, Pugung dsk nya						
SP3, Way mendati, Krengseng, Way rilau, Way temnbulih, Grogol, SP6 dsk nya	✓	✓	✓	✓		✓
KM 50 (rhino camp), Hulu way pemerihan, Hulu way bamban dsk nya						
Hulu way tenumbang, Hulu way mahnay dsk nya	✓		✓	✓		
KM 50, KM 21, KM 32, KM 29						
Pematang langgar, Talang imam, Talang enam, Peninggaman dsk nya		✓	✓	✓		✓
Laay, Way lintik, Gedau, Kota karang, Pahmongan, Kubu gedung, Peninggaman dsk nya						
Pintu gerbang, Giri toto, Penyantun, Pedamaran dsk nya						
SP6, Siring balak, Pematang langgar, KM 18, KM 24, KM 28, KM 30, Jalan sanggi bengkunat dsk nya				✓		
Suoh, Pemerihan dsk						

DETAILS OF RHINO SIGN

Patrol Area	Footprint	Direct sighting	wallow	feeding	dung	Other signs
Peninggaman, Hulu way pemerihan, Hulu way cangkuk dan sekitarnya	0	0	2	0	0	0
Sumberejo, Way cangkuk, Cawang haro, pemerihan dan sekitarnya	0	0	0	0	0	0
Sukaraja atas, Buper sukaraja atas, Hulu way pemerihan tengah, Cawang haro, KM 26 dsk	0	0	0	0	0	0
Way ngambur dan sekitarnya	10	0	2	0	1	0
hulu way meluang, Hulu way menterang, Kubu perahu dsk	0	0	0	0	0	0
Suoh, Pungkalan, Tirto luhur atas, Rawa giri dsk	0	0	0	0	0	0
Sukaraja atas, Peninggaman, Giritoto, Muara dua, Pesanguan, Penyantun, Purwosari, Pedamaran, Way nipah dsk	0	0	0	0	0	0
Talang 11, Talang sangsado, Talang baru, Pagar bukit dsk	0	0	0	0	0	0
Panjiwayang, Kubugedung, Talang pendowo, Trangging, Kubu kulit dsk	0	0	0	0	0	0
Kubu Perahu, Hulu way meluang, Hulu way menterang, Hulu way tenumbang, Hulu way mahnay lunik, Hulu way mahnay balak dsk	28	0	1	0	1	0
Kupang hulu, Siring huwong, Way ngambur pangkalan, Kubu banir, Panjiwayang dsk	3	0	3	1	2	0
Hulu way pemerihan, Hulu way cangkuk dsk	0	0	0	0	0	0
Pemerihan, Sumberejo, Way cangkuk, Hulu way pemerihan, Hulu way babuta dsk	0	0	0	0	0	0
Krui, Pahmongan, Way mahnay balak, Hulu way mahnay tengah, Hulu way mahnay lunik dsk	1	0	0	1	0	1
Tampang, Kaur gading dsk	0	0	0	0	0	0
Sukaraja atas, Pal 50, Pemerihan, Pintau, Tlg.baru, Tlg.timunan, Tlg.cibaliung, Tlg.sukadi, SP3, SP2 dsk	0	0	0	0	0	0
Sukaraja atas, KM 50, Pemerihan, Jalan lintas sukaraja-bengkunat	0	0	0	0	0	0
Sukaraja, Bengkunat, Krui dsk	0	0	0	0	0	0
Sukaraja, Pemerihan, Ps jumat, Ps minggu, Panjiwyang, Way jambu, Siring lili, Biha dsknya	0	0	0	0	0	0
Way tenumbang, Way mahnai, Krui dsk nya	0	0	0	0	0	0
Pintu gerbang sukaraja Bidang II, Krui, Kota karang, Pugung dsk nya	0	0	0	0	0	0

SP3, Way mendati, Krengseng, Way rilau, Way temnbulih, Grogol, SP6 dsk nya	9	0	1	0	0	0
KM 50 (rhino camp), Hulu way pemerihan, Hulu way bamban dsk nya	0	0	0	0	0	0
Hulu way tenumbang, Hulu way mahnay dsk nya	5	0	1	1	1	1
KM 50, KM 21, KM 32, KM 29	0	0	0	0	0	0
Pematang langgar, Talang imam, Talang enam, Peninggaman dsk nya	0	0	0	0	0	0
Laay, Way lintik, Gedau, Kota karang, Pahmongan, Kubu gedung, Peninggaman dsk nya	0	0	0	0	0	0
Pintu gerbang, Giri toto, Penyantun, Pedamaran dsk nya	0	0	0	0	0	0
SP6, Siring balak, Pematang langgar, KM 18, KM 24, KM 28, KM 30, Jalan sanggi bengkumat dsk nya	0	0	0	0	0	0
Suoh, Pemerihan dsk	0	0	0	0	0	0

PATROL DATA

Location	Activities	Start Date	End Date	Days	No. of Person	Length (Km)	Remarks
Liwa, Kotaagung	Kegiatan lain	02 - Apr	05 - Apr	4	1	0,00	Coordination meeting
Peninggaman, Hulu way pemerihan, Hulu way cangk dan sekitarnya	Patrol /survey	05 - Apr	13 - Apr	9	4	22	Detected signs of elephant, deer, wildpig. Destroyed evidence 2 sacks of 50 kg gaharu.
Sumberejo, Way cangk, Cawang haro, pemerihan dan sekitarnya	Patrol /survey	05 - Apr	13 - Apr	9	4	35,5	No rhino signs. Detected signs of tiger and tapir. Direct sighting elephant.
Sukaraja atas, Buper sukaraja atas, Hulu way pemerihan tengah, Cawang haro, KM 26 dsk	Patrol /survey	06 - Apr	15 - Apr	10	3	49	No new rhino signs . detected signs of bird
Sukaraja atas, Bengkumat bidang PTN I semaka dsk	Patrol /survey	08 - Apr	14 - Apr	7	4	0,00	No illegal activities.
Pal 50, Jalan lintas sukaraja bengkumat, Pemerihan, Sumberejo, Panjiwayang, Kubu perahu dsk	Patrol /survey	09 - Apr	15 - Apr	7	4	0,00	No illegal activities.
Way ngambur dan sekitarnya	Patrol /survey	10 - Apr	19 - Apr	10	4	0,00	Detected rhino signs. Detected footprints of elephant and tiger.

Panjiwayang, Ngambur, Mendati, Pal 50 dsk	Patrol /survey	21 - Apr	28 - Apr	8	4	0,00	No illegal activities.
hulu way meluang, Hulu way menterang, Kubu perahu dsk	Patrol /survey	23 - Apr	30 - Apr	8	5	17,01	No illegal activities. No new sign of rhimo.
Sumber rejo, Way haru	Patrol /survey	23 - Apr	30 - Apr	8	5	0,000	Conflict of 16 elephants.
Kantor BTNBBS kotaagung	Kegiatan lain	24 - Apr	24 - Apr	1	1	0,00	Coordination meeting
Sukaraja atas, Kuyung arang, Pal 50, Tulung bamban, Jalan tebus sanggi bengkumat, Talang kebudu, Balai kencana dsk	Patrol /survey	25 - Apr	01 - Mei	7	4	24,7	Detected signs of deer poaching, using fire arm.
Buper, Sukaraja atas	Awareness	31 - Mar	01 - Apr	2	1	0,00	Camping ground Sukaraja atas
SUPM Way gelang, Kotaagung	Awareness	20 - Apr	30 - Apr	11	1	0,00	Boyscout camp
Suoh, Pungkalan, Tirta luhur atas, Rawa giri dsk	Patrol /survey	24 - Apr	30 - Apr	7	4	0,00	No illegal activities. Information on a tiger that visited Tirta Luhur.
Sukaraja atas, Peninggaman, Giritoto, Muara dua, Pesangan, Penyantun, Purwosari, Pedamaran, Way nipah dsk	Patrol /survey	07 - Mei	13 - Mei	7	4	0,00	Non wood forest product (resin?) collection.
Talang 11, Talang sangsado, Talang baru, Pagar bukit dsk	Patrol /survey	07 - Mei	13 - Mei	7	4	0,00	No illegal activities. Sign of tiger attacked livestock.
Panjiwayang, Kubugedung, Talang pendowo, Trangging, Kubu kulit dsk	Patrol /survey	07 - Mei	14 - Mei	8	4	0,00	No illegal activities Information from farmers of village Pelitajaya atas .
Kubu Perahu, Hulu way meluang, Hulu way menterang, Hulu way tenumbang, Hulu way mahnay lunik, Hulu way mahnay balak dsk	Patrol /survey	08 - Mei	18 - Mei	11	4	37,15	Detected signs of rhino , elephant, tiger and footprint of tapir. No illegal activities.
Kupang hulu, Siring huwong, Way ngambur pangkalan, Kubu banir, Panjiwayang dsk	Patrol /survey	10 - Mei	19 - Mei	10	4	40	Detected signs of rhino. Detected abandoned encroachment area .
Pos dal RPU BBS	Training	05 - Mei	06 - Mei	2	4	0,00	On Wildlife Crime Data Base

Hulu way pemerihan, Hulu way cangkuk dsk	Patrol /survey	21 - Mei	30 - Mei	10	4	35,01	No rhino signs.
Pemerihan, Sumberejo, Way cangkuk, Hulu way pemerihan, Hulu way babuta dsk	Patrol /survey	22 - Mei	29 - Mei	8	4	49,5	No rhino signs. Detected signs of elephant, tiger and tapir.
Krui, Pahmongan, Way mahnay balak, Hulu way mahnay tengah, Hulu way mahnay lunik dsk	Kegiatan lain	22 - Mei	31 - Mei	10	4	26,5	Detected signs of rhino, tiger and elephant.
Tampang, Kaur gading dsk	Patrol /survey	25 - Mei	31 - Mei	7	4	0,00	No illegal activities. Detected footprint of tiger in park border.
Sukaraja atas, Pal 50, Pemerihan, Pintau, Tlg.baru, Tlg.timunan, Tlg.cibaliung, Tlg.sukadi, SP3, SP2 dsk	Patrol /survey	25 - Mei	31 - Mei	7	4	12,5	Information on elephant and tiger conflict.
Sukaraja atas, KM 50, Pemerihan, Jalan lintas sukaraja-bengkunat	Patrol /survey	20 - Mei	30 - Mei	11	3	0,00	Detected 1 old snare for mouse deer. Identified nocturnal tarsius and Sumatran rabbit.
SMPN 1 kotaagung, Kab.Tanggamus	Awareness	19 - Mei	24 - Mei	6	1	0,00	Well done
Sukaraja, Bengkunat, Krui dsk	Patrol /survey	12 - Mei	18 - Mei	7	1	0,00	No illegal activities
Sukaraja, Pemerihan, Ps jumat, Ps minggu, Panjiwyang, Way jambu, Siring lili, Biha dsknya	Patrol /survey	04 - Jun	10 - Jun	7	4	0,00	Detected information on poaching in way Jambu
Way tenumbang, Way mahnai, Krui dsk nya	Patrol /survey	05 - Jun	11 - Jun	7	4	0,00	No illegal activities.
Pintu gerbang sukaraja Bidang II, Krui, Kota karang, Pugung dsk nya	Patrol /survey	05 - Jun	13 - Jun	9	4	0,00	Detected 1 truck with 6 m3 of kruing wood.
SP3, Way mendati, Krengseng, Way rilau, Way temnbulih, Grogol, SP6 dsk nya	Patrol /survey	08 - Jun	18 - Jun	11	7	43	Detected footprint of rhino. Detected signs of tiger, elephant, tapir.
KM 50 (rhino camp), Hulu way pemerihan, Hulu way bamban	Patrol /survey	20 - Jun	01 - Jul	12	1	26	No illegal activities. Collected orchids and seedlings.

dsk nya							
Hulu way tenumbang, Hulu way mahnay dsk nya	Patrol /survey	21 - Jun	29 - Jun	9	4	26	Detected signs of rhino.
KM 50, KM 21, KM 32, KM 29	Patrol /survey	24 - Jun	30 - Jun	7	4	0,00	No illegal activities.
Pematang langgar, Talang imam, Talang enam, Peninggaman dsk nya	Patrol /survey	24 - Jun	30 - Jun	7	4	0,00	No illegal activities.
Laay, Way lintik, Gedau, Kota karang, Pahmongan, Kubu gedung, Peninggaman dsk nya	Patrol / survey	21 - Jun	27 - Jun	7	3	0,00	No illegal activities
Pintu gerbang, Giri toto, Penyantun, Pedamaran dsk nya	Patrol / survey	23 - Jun	29 - Jun	7	4	30	Detected illegal activities along the border of Margo Mulyo
SP6, Siring balak, Pematang langgar, KM 18, KM 24, KM 28, KM 30, Jalan sanggi bengkumat dsk nya	Patrol / survey	24 - Jun	30 - Jun	7	4	0,00	No new rhino signs. Detected old encroachment.
Suoh, Pemerihan dsk	Patrol / survey	05 - Jun	15 - Jun	11	4	30	No illegal activities.

GENERAL PERFORMANCE PARAMETERS

Number of general activities	40
Number of Patrol and Surveys	34
Distance Walked (Kilometers)	503,87
Distance Walked for Patrol and Survey	477,87
Number of Field Days	318
Number of Field Days for Patrol and Survey	282
Field Days per-person per-month	15,17

PROGRAM PERSONNEL

(Summary of Field Days Per-Person Per-Month 1 April – 30 June 2012)

Personnel	Days	Average	
		Field days / month	
Agung S	42	14,00	3 (month)
Agus Sulaeman	43	14,33	3 (month)
Bahara	53	17,67	3 (month)
Budiono	52	17,33	3 (month)
Hendra Wijaya	42	14,00	3 (month)
Heryanto	46	15,33	3 (month)
Jalisi	37	12,33	3 (month)
Madnurzen	53	17,67	3 (month)
Maris Feriyadi	16	8,00	2 (month)
Marsum	52	17,33	3 (month)
Merli Aroc Hulu	44	14,67	3 (month)
Nang Jamadi	46	15,33	3 (month)
Olih	52	17,33	3 (month)
Rahman	60	20,00	3 (month)
Romianto	51	17,00	3 (month)
Samsurizal	51	17,00	3 (month)
Saptono	53	17,67	3 (month)
Sinyo Handoko	41	13,67	3 (month)
Sudari	45	15,00	3 (month)
Suharsono	51	17,00	3 (month)
Syahroni	53	17,67	3 (month)
Teguh Taryono	52	17,33	3 (month)
Timbul TB	32	10,67	3 (month)
Toho	46	15,33	3 (month)
Zen Afrial	57	19,00	3 (month)

RPU-WK WAY KAMBAS NATIONAL PARK

Highlights

- o Detected signs of female and juvenile rhinos.(Rawa Bunder, Temon, Rawa Kerek, 7-8 April),
- o Detected signs of female and juvenile rhinos. (Terobosan, Way Sekapok, Way kambas Kecil, D1, 25 – 30 April).
- o Detected signs of female and juvenile rhino. (Camp D1, Camp Siang, Beruang, Wako Benteng, 23-28 Mei)
- o Drove 16 elephants back to the forest.
- o Arrested 1 suspect of illegal logging.
- o Inactivated 2 snares for deer and wild pig.
- o Arrested suspect of illegal fishing and proceed him to the park ranger
- o Detected 3 snares and 2 gaharu logs.
- o Arrested 1 suspect (of traditional hunting) and 4 other suspects.

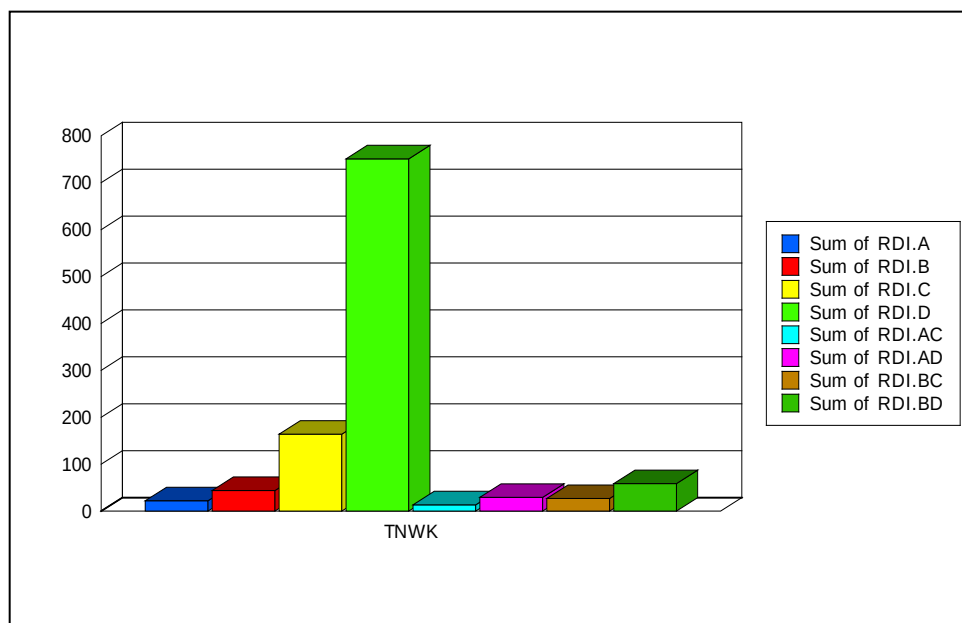
BASIC POPULATION PARAMETERS

No. Of Case Footprint Encountered	Number of Footprints	Wallow	Feces	Feeding	Other Signs*	Direct Sighting
22	29	1	15	5	23	0

* Include Urine, Scratches, Rub

During the 44 patrols / surveys in this period, 73 independent signs of rhino were found and recorded with no direct sighting of the animal

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
22	44	164	751,00	13,41	29,29	26,83	58,59

(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
4	0	3	11	0	3	4

* Gaharu/Agar wood (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 25 cases of illegal activities were detected. The major case encountered were forest product theft , then followed by non rhino (non mammals) hunting . **No trap of rhino** encountered.

Record of cases as per what 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 Areas	Rhino	Elephant	Tiger	Tapir	Other	Offences
Toto Projo dan Sekitarnya		√				
Tegal Yoso dan sekitarnya		√				
Sungai Way Kanan						
Desa Labuhan Ratu VI						
Polres Lampung Timur						
Rawa Bunder, Temon, Rawa Kerek	√	√		√		√
Rawa Bunder, Gambas RI dan sekitarnya						√
Camp D2, Macan Loncat, Rawa Badak		√		√		√
Jalur Temon, Way Kanan Atas, Rawa Kerek			√			√
Kali Batin dan sekitarnya		√		√		
Plang Hijau						
Way Kanan, D1						
Plang Hijau						√
Rajawali RPTN Umbul Salam						√
Bandar Lampung						
Karetan, Pos Susukan Baru						
Keramat, Braja Luhur, Kuala Penet						
SRS, D2, Rawa Suyat, D1, PLG						
Camp D2, Cengok, Kali Biru, Tanah Merah, D1	√	√	√	√	√	
Terobosan, Way Sekapok, Way kambas Kecil, D1	√		√	√		
Polres Lampung Timur						
Rumbia dan Sekitarnya						
Rawa Kerek dan sekitarnya						√
Bukit Barisan Selatan						
PLG, Babakan bambang dan sekitarnya		√				√
Kuala Kambas, Pedamaran, Braja Luhur		√				√
PLG, Rawa Jambu, Camp C, Pemata				√		√

Toto Projo dan Sekitarnya						
PLG, Rawa Jambu						
Toto Projo dan Sekitarnya		√				
Desa Proyek, Desa Cempaka Putih						
Rawa Kerek dan sekitarnya						
Camp D1, Central Wako, Camp D2	√		√			
Camp D1, Camp Siang, Beruang, Wako Benteng	√		√			
Camp D2, Karaoke, Gambas RI		√				√
Plang Hijau, Rawa Kerek, Margahayu, PLG			√			√
Pos Way Kanan, SRS dan sekitarnya		√				
Susukan Baru dan sekitarnya						√
Way Bungur, Gading, Tidung						√
Penanggungan, simpang ndok, Tutung						√
Gambas RI, Susukan baru		√				√
SRS dan sekitarnya		√				√
Gambas RI, Way Serayu						√
Ulung-ulung, Temon, Kerek.			√			√
SRS dan sekitarnya						
Pengadilan Negeri Sukadana						
SRS dan sekitarnya						
SRS dan sekitarnya						
Rawa bunder, Way Pis, Susukan baru	√					√
SRS dan sekitarnya						
Rajawali RPTN Umbul Salam						
SRS dan sekitarnya						
Plang Hijau, Binjai		√				√
Braja kencana, PLG, Restorasi bambang.						
PLG, Babakan bambang dan sekitarnya						
SRS dan sekitarnya						
SRS, D1						

DETAILS OF RHINO SIGN

Patrol Area	Footprints	Direct Sighting	Wallow	Feeding	Dung	Other Signs
Sungai Way Kanan	0	0	0	0	0	0
Rawa Bunder, Temon, Rawa Kerek	4	0	0	0	0	0
Rawa Bunder, Gambas RI dan sekitarnya	0	0	0	0	0	0
Camp D2, Macan Loncat, Rawa Badak	0	0	0	0	0	0
Jalur Temon, Way Kanan Atas, Rawa Kerek	0	0	0	0	0	0
Kali Batin dan sekitarnya	0	0	0	0	0	0
Plang Hijau	0	0	0	0	0	0
Rajawali RPTN Umbul Salam	0	0	0	0	0	0
Karetan, Pos Susukan Baru	0	0	0	0	0	0
Keramat, Braja Luhur, Kuala Penet	0	0	0	0	0	0
SRS, D2, Rawa Suyat, D1, PLG	0	0	0	0	0	0

Camp D2, Cengok, Kali Biru, Tanah Merah, D1	2	0	0	1	0	0
Terobosan, Way Sekapok, Way kambas Kecil, D1	6	0	1	0	4	2
Rawa Kerek dan sekitarnya	0	0	0	0	0	0
PLG, Babakan bambang dan sekitarnya	0	0	0	0	0	0
Kuala Kambas, Pedamaran, Braja Luhur	0	0	0	0	0	0
PLG, Rawa Jambu, Camp C, Pemata	0	0	0	0	0	0
PLG, Rawa Jambu	0	0	0	0	0	0
Toto Projo dan Sekitarnya	0	0	0	0	0	0
Rawa Kerek dan sekitarnya	0	0	0	0	0	0
Camp D1, Central Wako, Camp D2	3	0	0	1	1	2
Camp D1, Camp Siang, Beruang, Wako Benteng	7	0	0	2	9	18
Camp D2, Karaoke, Gambas RI	0	0	0	0	0	0
Plang Hijau, Rawa Kerek, Margahayu, PLG	0	0	0	0	0	0
Pos Way Kanan, SRS dan sekitarnya	0	0	0	0	0	0
Susukan Baru dan sekitarnya	0	0	0	0	0	0
Way Bungur, Gading, Tidung	0	0	0	0	0	0
Penanggungan, simpang ndok, Tutung	0	0	0	0	0	0
Gambas RI, Susukan baru	0	0	0	0	0	0
SRS dan sekitarnya	0	0	0	0	0	0
Gambas RI, Way Serayu	0	0	0	0	0	0
Ulung-ulung, Temon, Kerek.	0	0	0	0	0	0
SRS dan sekitarnya	0	0	0	0	0	0
SRS dan sekitarnya	0	0	0	0	0	0
SRS dan sekitarnya	0	0	0	0	0	0
Rawa bunder, Way Pis, Susukan baru	0	0	0	1	1	1
SRS dan sekitarnya	0	0	0	0	0	0
Rajawali RPTN Umbul Salam	0	0	0	0	0	0
SRS dan sekitarnya	0	0	0	0	0	0
Plang Hijau, Binjai	0	0	0	0	0	0
Braja kencana, PLG, Restorasi bambang.	0	0	0	0	0	0
PLG, Babakan bambang dan sekitarnya	0	0	0	0	0	0
SRS dan sekitarnya	0	0	0	0	0	0
SRS, D1	0	0	0	0	0	0

PATROL DATA

Location	Activity	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Sungai Way Kanan	Patrol / survey	3 - Apr	4 - Apr	2	7	5	No illegal activities
Jalur Temon, Way Kanan Atas, Rawa Kerek	Patrol / survey	9 - Apr	14 - Apr	6	4	11	Detected gaharu theft and fishing. Detected footprint of female tiger and the juvenile.
Camp D2, Cengok, Kali Biru, Tanah Merah, D1	Patrol / survey	24 - Apr	30 - Apr	7	4	29	Detected signs of rhino, tiger, tapir, sunbear and wood duck. Detected signs of illegal activities.
Rumbia dan Sekitarnya	Investigation	3 - Mei	3 - Mei	1	2	0	Delivered letter of arrest the suspect.
Rawa Kerek dan sekitarnya	Patrol / survey	19 - Mei	20 - Mei	2	9	1	Detected signs of trespassing.
Camp D1, Central Wako, Camp D2	Patrol / survey	23 - Mei	28 - Mei	6	5	32	No illegal activities. Detected signs of rhino.
Way Bungur, Gading, Tidung	Patrol / survey	3 - Jun	8 - Jun	6	7	18	No illegal activities. Detected after fire area.
Braja kencana, PLG, Restorasi bambang.	Patrol / survey	14 - Jun	15 - Jun	2	5	6	No illegal activities.
PLG, Babakan bambang dan sekitarnya	Patrol / survey	17 - Jun	18 - Jun	2	7	6	No illegal activities.
Rawa bunder, Way Pis, Susukan baru	Patrol / survey	21 - Jun	25 - Jun	5	8	11	No illegal activities. Detected signs of rhino.
Polres Lampung Timur	Investigation	7 - Apr	8 - Apr	2	4	0	Investigation to a suspect
Way Kanan, D1	Patrol	16 - Apr	16 - Apr	1	8	4	Tracking to Camp D1 , no rhino signs, no illegal activities.
Polres Lampung Timur	Investigation	2 - Mei	2 - Mei	1	4	0	Signed on the document
SRS dan sekitarnya	Patrol / survey	11 - Jun	15 - Jun	5	2	16	Patrolling SRS. No illegal activities.
SRS dan sekitarnya	Patrol / survey	16 - Jun	19 - Jun	4	1	48	Patrolling SRS. No illegal activities.

SRS dan sekitarnya	Patrol / survey	23 - Jun	26 - Jun	4	1	72	Patrolling SRS. No illegal activities.
Toto Projo dan Sekitarnya	Elephant conflict	1 - Apr	2 - Apr	2	4	0	Drove 16 elephants back to the forest. No plantation disturbed.
Rajawali RPTN Umbul Salam	Patrol / survey	7 - Apr	8 - Apr	2	4	4	Detected evidence gelam logs and stream to transport those.
Camp D2, Macan Loncat, Rawa Badak	Patrol / survey	9 - Apr	14 - Apr	6	4	24	Detected signs of rhino, tapir, tiger and elephant. Detected signs of old illegal activities.
Karetan, Pos Susukan Baru	Patrol / survey	18 - Apr	19 - Apr	2	5	8	No illegal activities.
Keramat, Braja Luhur, Kuala Penet	Patrol / survey	27 - Apr	27 - Apr	1	3	0	No illegal activities.
SRS, D2, Rawa Suyat, D1, PLG	Patrol / survey	29 - Apr	1 - Mei	3	6	21	No illegal activities.
Toto Projo dan Sekitarnya	Community Outreach	5 - Mei	6 - Mei	2	1	0	Well done
Kuala Kambas, Pedamaran, Braja Luhur	Patrol / survey	11 - Mei	16 - Mei	6	6	21	Detected fishing. Detected tracks of elephant.
Toto Projo dan Sekitarnya	Patrol / survey	20 - Mei	21 - Mei	2	4	3	No illegal activities along the border. Drove elephants back to forest.
Camp D2, Karaoke, Gambas RI	Patrol / survey	22 - Mei	26 - Mei	5	4	28	Detected fire and trespassing. Detected fishing in up stream of Way kanan river.
Gambas RI, Susukan baru	Patrol / survey	6 - Jun	8 - Jun	3	3	8	Detected illegal grazing. Direct sighting with a group of elephants.
SRS dan sekitarnya	Patrol / survey	9 - Jun	10 - Jun	2	3	8	No illegal activities in surrounding SRS.
SRS dan sekitarnya	Patrol / survey	11 - Jun	13 - Jun	3	3	12	Detected trespassing close to SRS. Detected signs of elephants.
SRS dan sekitarnya	Patrol / survey	18 - Jun	20 - Jun	3	3	5	No illegal activities in surrounding SRS.
Pengadilan Negeri Sukadana	Court session	21 - Jun	21 - Jun	1	3	0	Attended court session.
Tegal Yoso dan sekitarnya	Elephant conflict	3 - Apr	4 - Apr	2	4	8	Drove elephants back to the forest

Desa Labuhan Ratu VI	Community Outreach	6 - Apr	6 - Apr	1	2	0	Produced 500 kg Organic fertilizer.
Rawa Bunder, Temon, Rawa Kerek	Patrol / survey	7 - Apr	8 - Apr	2	4	26	Detected signs of female and juvenile rhinos. Detected illegal fishing.
Kali Batin dan sekitarnya	Patrol / survey	9 - Apr	11 - Apr	3	3	5	No illegal activities. Detected signs of elephant and tapir.
Plang Hijau	Training	15 - Apr	15 - Apr	1	5	0	On how to use GPS (navigation).
Plang Hijau	Patrol / survey	22 - Apr	22 - Apr	1	8	7	Arrested 1 suspect of illegal logging. Inactivated 2 snares for deer and wild pig.
Rawa Kerek dan sekitarnya	Patrol / survey	4 - Mei	6 - Mei	3	11	8	Arrested suspect of illegal fishing and proceed him to the park ranger.
PLG, Babakan bambang dan sekitarnya	Patrol / survey	8 - Mei	9 - Mei	2	6	10	Detected after fire area and signs of elephant.
PLG, Rawa Jambu	Patrol / survey	12 - Mei	12 - Mei	1	4	5	Detected 3 suspects of fishing.
Pos Way Kanan, SRS dan sekitarnya	Patrol / survey	14 - Mei	18 - Mei	5	6	13	No illegal activities. Detected signs of elephant.
Plang Hijau, Rawa Kerek, Margahayu, PLG	Patrol / survey	24 - Mei	28 - Mei	5	6	24	Detected signs of tapir and bear. Detected of illegal fishing.
Gambas RI, Way Serayu	Patrol / survey	11 - Jun	13 - Jun	3	7	26	Detected after fire area. Detected signs tracks of trespassing.
Ulung-ulung, Temon, Kerek.	Patrol / survey	16 - Jun	20 - Jun	5	4	15	Detected signs of tiger. Detected signs of trespassing.
SRS dan sekitarnya	Patrol / survey	25 - Jun	29 - Jun	5	2	20	No illegal activities surrounding SRS.
Rajawali RPTN Umbul Salam	Patrol / survey	26 - Jun	27 - Jun	2	2	0	Detected suspect
Plang Hijau, Binjai	Patrol / survey	29 - Jun	29 - Jun	1	4	4	Detected signs of elephant. Detected 3 snares and 2 gaharu logs.
Rawa Bunder, Gambas RI dan sekitarnya	Patrol / survey	8 - Apr	13 - Apr	6	5	17	Arrested 1 suspect (of traditional hunting) and 4 other suspects.
Terobosan, Way Sekapok, Way kambas Kecil, D1	Patrol / survey	25 - Apr	30 - Apr	6	6	39	Detected signs of female and juvenile rhinos.
Bukit Barisan Selatan	Training	4 - Mei	7 - Mei	4	4	0	Law enforcement database

PLG, Rawa Jambu, Camp C, Pemata	Patrol / survey	11 - Mei	16 - Mei	6	6	17	Detected fishing.
Camp D1, Camp Siang, Beruang, Wako Benteng	Patrol / survey	23 - Mei	28 - Mei	6	5	43	No illegal activities. Detected signs of female and juvenile rhino.
Desa Proyek, Desa Cempaka Putih	Investigation	23 - Mei	23 - Mei	1	1	0	Dilevered letter of extension for arrest a suspect, to their family.
Susunan Baru dan sekitarnya	Patrol / survey	1 - Jun	2 - Jun	2	4	45	Detected signs of trespassing.
Penanggungan, simpang ndok, Tutung	Patrol / survey	3 - Jun	8 - Jun	6	7	33	Detected signs of trespassing. Detected after fire area.
SRS, D1	Patrol / survey	27 - Jun	1 - Jul	5	2	0	No illegal activities in surrounding SRS.

GENERAL PERFORMANCE PARAMETERS

Number of general activities	56
Number of Patrol and Surveys	44
Distance Walked (Kilometers)	763,28
Distance Walked for Patrol and Survey	751,28
Number of Field Days	183
Number of Field Days for Patrol and Survey	164
Field Days per-person per-month	14,44

PROGRAM PERSONNEL

(Summary of Field Days Per-Person Per-Month 1 April – 30 June 2012)

Name of Personnel	Number of Field Days	Average Field Days/Month	
Agus Riadi	22	7,33	3 month
Amrodi	42	14,00	3 month
Aris Hendriyanto	45	15,00	3 month
Balyan Irawadi	39	13,00	3 month
Bambang Meiyono	44	14,67	3 month
Bonari	46	15,33	3 month
Boston Kaloko	41	13,67	3 month
Daryono	33	16,50	2 month
Encang Sutarma	50	16,67	3 month
Ferry Agus Bangun	50	16,67	3 month
Joko Iswanto	35	11,67	3 month
Muslimin	46	15,33	3 month
Nur Basuki	45	15,00	3 month
Nurhadi	43	14,33	3 month
Sugondo	45	15,00	3 month
Suhadi	44	14,67	3 month
Sujoko	42	14,00	3 month
Supriyono	48	16,00	3 month
Totok Riyadi	40	13,33	3 month
Yusuwardi	50	16,67	3 month

RPU-UK UJUNG KULON NATIONAL PARK

Highlights

- New foot print of rhino (23/24 cm) in JRSCA 9-20 April and 7-21 May 2012.
- Detected rhino footprint (22-23 cm) and 1 snare for mouse deer., 8-21Juni,
- Direct sighting of rhino, footprint 23-24 cm), 7-21 Juni.
- Detected and inactivated 50 snares for mouse deers.

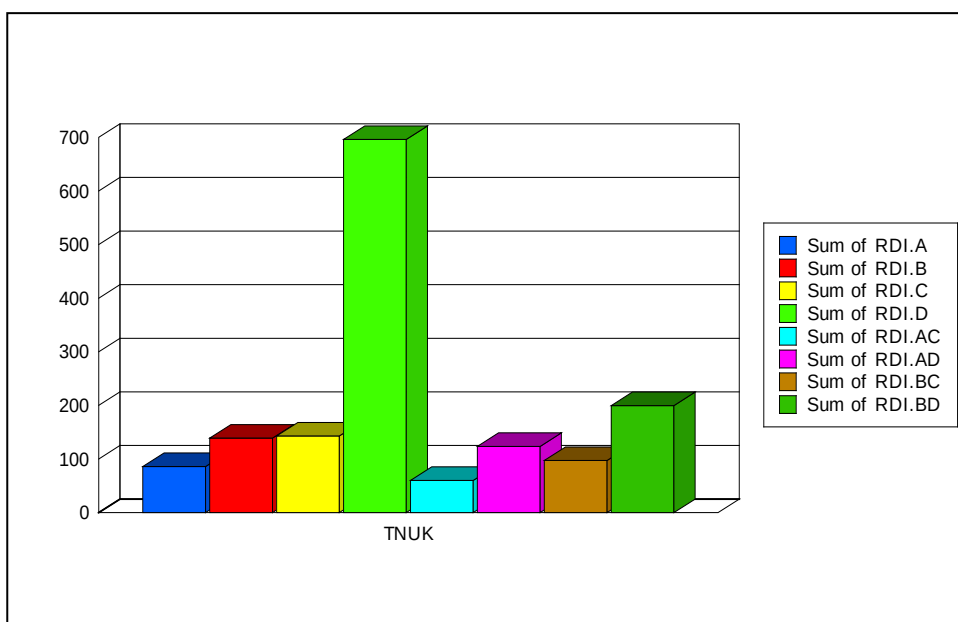
BASIC POPULATION PARAMETERS

No. Of Case Footprint Encountered	Number of Footprints	Wallow	Feces	Feeding	Other Signs*	Direct Sighting
86	172	13	19	93	13	1

* Include Urine, Scratches, Rub

During the 42 patrols / surveys in this period, 310 independent signs of rhino were found and recorded and 1 direct rhino 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
86	139	143	696,00	60,14	123,56	97,20	199,71

(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

Encroachment	Timber Theft	Forest Product Theft	Illegal Hunting		
			Rhino / Trap	Non Rhino (Mammals)	Other
0	0	0	0	0	12

In UK , during the surveys and patrols a total of 12 cases of illegal activities were detected. The major case encountered were non mammals huning. **No trap of rhino** encountered.

Record of cases as per what 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	Banteng (wild cattle)	Other Mammal	Offences
tamanjaya, cikaung sabrang, gendir, cikaung kidul	√	√	√	
Tamanjaya, Legon pakis, Karang ranjang, Pangukusan, Bandawoh, Transek 7, Karang ranjang, Laban, Cilintang.	√	√	√	
Tamanjaya, legon pakis, cilintang, karang ranjang, transek V, pangorok, cisimping, laban, pamancatan, cikokosan, transek III.	√	√	√	
Tamanjaya, P.Peucang, cidaon, cukang galih, Gn.Talanca, Cijung Kulon, Cikuya, Cijengkol, Gn.Kendeng	√	√	√	
legon pakis, cilintang, ciperepet, karang ranjang, pamancatan, cibandawoh, cikeusik, rorah daon, transek 11, transek 10.	√	√	√	
Tamanjaya, Handeuleum, Cikeuyeup, Transek VIII, Cigeunter, Cikarang, Pamageran, Tanjung Balagadigi, tanjung sanim, Citelang.	√	√	√	√
Tamanjaya, Legon pakis, cilintang, solokan bayung, transek III, jalur patroli JRSCA, kalejetan, rorah salman, cihanolong, transek 2, ranca gebang, aermokla, cimahi.	√	√	√	√
cidaon, cukang galih, cibunar, transek 13, citadahan, transek 12, cicadas, cikuya, transek 15, cibom, cikembang, cinangka.	√	√	√	
Handeuleum, legon waru, transek 10, nyiur, tjg alang alang, DAS cangkuk, Cikarang, Seke Cigeunter, Cikeusik, Citadahan, Cibunar, Cukang galih, Cijengkol, Cidaon.	√	√	√	
cilintang, tamanjaya, handeuleum, cikeuyeup, katapang sanim, balagadigi, pamageran, pulau kalong, cihanandeleum, cikabembem, pulau boboko, pulau reungit, cigorondong.	√	√	√	√
cilintang, geundir, cihujan, ciperepet, Transek 4, karang ranjang, pangorok, tereleng, laban,	√	√	√	√

Patrol Area	√ = encountered			
	Rhino	Banteng (wild cattle)	Other Mammal	Offences
cisimping.				
Pulau Peucang, Cibom, Ciramea, Tanjung Lanyar, Cukang galih, Cijengkol.		√	√	

DETAILS OF RHINO SIGN

Patrol Area	Footprints	Direct Sighting	Wallow	Feeding	Dung	Other Signs
Tamanjaya, Legon pakis, Karang ranjang, Pangukusan, Bandawoh, Transek 7, Karang ranjang, Laban, Cilintang.	10	0	2	4	2	1
Tamanjaya, legon pakis, cilintang, karang ranjang, transek V, pangorok, cisimping, laban, pamancatan, cikokosan, transek III.	8	0	2	3	1	1
Tamanjaya, P.Peucang, cidaon, cukang galih, Gn.Talanca, Ciujung Kulon, Cikuya, Cijengkol, Gn.Kendeng	15	0	2	16	3	0
legon pakis, cilintang, ciperepet, karang ranjang, pamancatan, cibandawoh, cikeusik, rorah daon, transek 11, transek 10.	16	0	0	0	1	0
Tamanjaya, Handeuleum, Cikeuyeup, Transek VIII, Cigeunter, Cikarang, Pamageran, Tanjung Balagadigi, tanjung sanim, Citelang.	3	0	0	2	0	2
Tamanjaya, Legon pakis, cilintang, solokan bayung, transek III, jalur patroli JRSCA, kalejetan, rorah salman, cihanolong, transek 2, ranca gebang, aermokla, cimahi.	4	0	4	32	2	3
cidaon, cukang galih, cibunar, transek 13, citadahan, transek 12, cicadas, cikuya, transek 15, cibom, cikembang, cinangka.	6	0	0	6	2	0
Handeuleum, legon waru, transek 10, nyiur, tlg alang alang, DAS cangkok, Cikarang, Seke Cigeunter, Cikeusik, Citadahan, Cibunar, Cukang galih, Cijengkol, Cidaon.	16	0	2	3	1	0
cilintang, tamanjaya, handeuleum, cikeuyeup, katapang sanim, balagadigi, pamageran, pulau kalong,	1	0	0	0	0	0

cihandeuleum, cikabembem, pulau boboko, pulau reungit, cigorondong.						
cilintang, geundir, cihujan, ciperepet, Transek 4, karang ranjang, pangorok, tereleng, laban, cisimping.	7	1	1	27	7	6

PATROL DATA

Location	Activity	Start Date	End Date	Days	No of Person	Length (Km)	Remarks
Tamanjaya	Meeting for evaluation	5 - Apr	8 - Apr	4	4	0	Formulated patrol plan of April 2012. Resigned of Field Coordinator.
Tamanjaya, Legon pakis, Karang ranjang, Pangukusan, Bandawoh, Transek 7, Karang ranjang, Laban, Cilintang.	Patrol / survey	9 - Apr	20 - Apr	12	4	98	New foot print of rhino (23/24 cm) in JRSCA, and other signs.
Labuan, wira carita	Meeting	12 - Apr	12 - Apr	1	4	0	Handover of Head of UKNP.
Tamanjaya, dsk.	Socialization	21 - Apr	25 - Apr	5	4	0	Well done
Tamanjaya, dsk.	Meeting	5 - Mei	6 - Mei	2	7	0	Formulate patrol plan
Tamanjaya, Handeuleum, Cikeuyeup, Transek VIII, Cigeunter, Cikarang, Pamageran, Tanjung Balagadigi, tanjung sanim, Citelang.	Patrol / survey	7 - Mei	21 - Mei	15	4	98	New foot print of rhino (23/24 cm) in JRSCA, and other signs.
Tamanjaya, dsk.	Meeting for evaluation	22 - Mei	25 - Mei	4	4	0	Monthly report evaluation.
Tamanjaya, Pos JRSCA Cikaung	Meeting	5 - Jun	7 - Jun	3	4	0	Patrol planning
cilintang, tamanjaya, handeuleum, cikeuyeup, katapang sanim, balagadigi, pamageran, pulau kalong, cihandeuleum, cikabembem, pulau boboko, pulau reungit, cigorondong.	Patrol / survey	8 - Jun	21 - Jun	14	4	70	Detected rhino footprint (22-23 cm) and 1 snare for mouse deer.
Base camp Cigorondong	Meeting	22 - Jun	25 - Jun	4	4	0	Evaluation their patrol.

Tamanjaya, dsk.	Meeting for evaluation	5 - Apr	8 - Apr	4	4	0	Formulated patrol plan of April 2012. Resigned of Field Coordinator.
Tamanjaya, legon pakis, cilintang, karang ranjang, transek V, pangorok, cisimping, laban, pamancatan, cikokosan, transek III.	Patrol / survey	9 - Apr	20 - Apr	12	4	72	Detected signs of rhino (wallows, footprint, foodplant, urine) in "rumpang" or opened area of blok karang ranjang.
Labuan, wira carita	Meeting	12 - Apr	12 - Apr	1	4	0	Handover of Head of UKNP.
Tamanjaya, dsk.	Socialization	21 - Apr	25 - Apr	5	4	0	Well done
Tamanjaya, Legon pakis, cilintang, solokan bayung, transek III, jalur patroli JRSCA, kalejetan, rorah salman, cihanolong, transek 2, ranca gebang, aermokla, cimahi.	Patrol / survey	7 - Mei	21 - Mei	15	3	98	Detected signs of rhino in JRSCA.
Tamanjaya, dsk.	Meeting for evaluation	22 - Mei	25 - Mei	4	3	0	Evaluated their patrol.
Tamanjaya, Pos JRSCA Cikaung	Meeting for evaluation	5 - Jun	6 - Jun	2	4	0	Patrol planning for June 2012
cilintang, geundir, cihujan, ciperepet, Transek 4, karang ranjang, pangorok, tereleng, laban, cisimping.	Patrol / survey	7 - Jun	21 - Jun	15	4	88	Direct sighting of rhino (footprint 23-24 cm) Detected rhino signs (wallow, foodplants, dung, urine, etc).
Base camp Cigorondong	Meeting for evaluation	22 - Jun	25 - Jun	4	4	0	Patrol April 2012 report.
Tamanjaya, dsk.	Coordination meeting	5 - Apr	8 - Apr	4	4	0	Attended by the Head of National Park. Resigned of the field coordinator.
Tamanjaya, P.Peucang, cidaon, cukang galih, Gn.Talanca, Cijung Kulon, Cikuya, Cijengkol, Gn.Kendeng	Patrol / survey	9 - Apr	20 - Apr	12	4	32	Detected signs of rhino and wallow.
Tamanjaya, dsk.	Socialization	21 - Apr	25 - Apr	5	4	0	About JRSCA
Tamanjaya, dsk.	Meeting	5 - Mei	6 - Mei	2	4	0	Patrol planning

cidaon, cukang galih, cibunar, transek 13, citadahan, transek 12, cicadas, cikuya, transek 15, cibom, cikembang, cinangka.	Patrol / survey	7 - Mei	21 - Mei	15	4	71	Detected rhino footprint.
Tamanjaya, dsk.	Evaluation meeting	22 - Mei	25 - Mei	4	4	0	Evaluated activity on May 2012.
Tamanjaya, Pos JRSCA Cikaung	Meeting	5 - Jun	7 - Jun	3	8	0	Patrol planning
Pulau Peucang, Cibom, Ciramea, Tanjung Lanyar, Cukang galih, Cijengkol.	Patrol	8 - Jun	21 - Jun	14	7	30	Signs of illegal activities
Base camp Cigorondong	Evaluation meeting	22 - Jun	25 - Jun	4	8	0	Patrol achievements
Tamanjaya, dsk.	Coordination meeting.	5 - Apr	8 - Apr	4	4	0	Attended by the Head of National Park. Resigned of the field coordinator.
legon pakis, cilintang, ciperepet, karang ranjang, pamancatan, cibandawoh, cikeusik, rorah daon, transek 11, transek 10.	Patrol / survey	9 - Apr	19 - Apr	11	4	31	Detected rhino footprint and wallow Direct sighting rhino (25/26).
tamanjaya, cikaung sabrang, gendir, cikaung kidul	Patrol / survey	11 - Apr	13 - Apr	3	4	0	Along the JRCA's border.
Tamanjaya, dsk.	Socialization	21 - Apr	25 - Apr	5	4	0	On JRSCA
Tamanjaya, dsk.	Meeting	5 - Mei	6 - Mei	2	4	0	Patrol planning
Handeuleum, legon waru, transek 10, nyiur, tjg alang alang, DAS cangkok, Cikarang, Seke Cigeunter, Cikeusik, Citadahan, Cibunar, Cukang galih, Cijengkol, Cidaon.	Patrol / survey	7 - Mei	21 - Mei	15	4	39	Detected rhino footprint, dung, urine and wallow.
Tamanjaya, dsk.	Evaluation meeting	22 - Mei	25 - Mei	4	4	0	Findings and achievements

GENERAL PERFORMANCE PARAMETERS

Number of general activities	69
Number of Patrol and Surveys	42
Distance Walked (Kilometers)	1.321
Distance Walked for Patrol and Survey	1.291
Number of Field Days	423
Number of Field Days for Patrol and Survey	325
Field Days per-person per-month	18,44

PROGRAM PERSONNEL

(Summary of Field Days Per-Person Per-Month 1 April – 30 June 2012)

Name of Personnel	Number of Field Days	Average Field Days/Month
Acep.S	63	21,00 (3 Months)
Andri.duriat	64	21,33 (3 Months)
Diding	64	21,33 (3 Months)
Edi	63	21,00 (3 Months)
Endin	64	21,33 (3 Months)
Hadimi	63	21,00 (3 Months)
Haerudin	64	21,33 (3 Months)
Iln. Ruslani	69	23,00 (3 Months)
JAJAT.S	64	21,33 (3 Months)
Mulyani	64	21,33 (3 Months)
Sorhim	69	23,00 (3 Months)
SUNARDI	55	18,33 (3 Months)
TISNO	64	21,33 (3 Months)
Ujang.sukri	63	21,00 (3 Months)
Yadi Suryana	69	23,00 (3 Months)
Yusep.H	22	22,00 (1 Months)

YAYASAN BADAK INDONESIA - YABI

Rhino Foundation of Indonesia - RFI



ANNEX- 2:

QUARTERLY ACTIVITY AND PERFORMANCE REPORT

**1 APRIL - 30 JUNE 2012
(Q2)**

ANNEX-2 : OFFENSES OR ILLEGAL ACTIVITIES ENCOUNTERED DURING Q2 2012 (April – June 2012)

1. OFFENSES IN BUKIT BARISAN SELATAN NP

Date	Remark - Type of offense - Forest / WL produce recovered - Arm / Amunition recovered - People arrested	Age	Location	Action Taken Legal status / comments
9 - Apr	Detected sign of bird trapping.	< 6 months	Hulu way pemerihan	Documented
9 - Apr	Detected an old encroachment of > 5 ha coffee plantation.		Peninggaman	documented
10 - Apr	Detected 2 sacks of damar.	< 1 month	0440345.9383654	Burned
13 - Apr	Detected sign of bird trapping.	< 6 months	Way pemerihan tengah	documented
12 - Mei	Detected sign of bird trapping (1 snare)	< 6 months	Hulu way tenumbang	Inactivated
23 - Mei	Detected 1 snare for mouse deer.	< 1 months	sukajata atas	Inactivated
25 - Jun	Detected an old coffee plantation of >20 ha.	> 1 years	Pematang langgar	documented

2. OFFENSES IN WAY KAMBAS NP

Date	Remark - Type of offense - Forest / WL produce recovered - Arm / Amunition recovered - People arrested	Age	Location	Action Taken Legal status/ comments
7 - Apr	Detected 30 pcs of gelam (<i>Melaleuca sp</i>) log	< 6 months	Rajawali	Documented
8 - Apr	Pile of 300 pcs Gelam (<i>Melaleuca sp</i>) wood.	< 6 months	Rajawali	Documented
8 - Apr	Detected 4 suspects of fishing.	< 4 days	Resort Way Kanan	documented
9 - Apr	Detected track of trespassing.	< 1 month	Rawa Bunder	documented and monitored
9 - Apr	Detected 2 old camp of gaharu thefts.	< 1 month	Way Kanan atas	Documented
11 - Apr	Detected 2 old camp	< 6 months	Dataran tinggi RPTN Way Kanan	Documented

11 - Apr	Detected signs of bird trapping.	< 6 months	Dataran tinggi RPTN Way Kanan	Documented
11 - Apr	Signs of fishing; 1 motorbike;	< 1 week	Way Kanan atas	Documented
13 - Apr	Arrested 1 suspect of poaching ; 1 bicycle, 1 long knife and 1 spark	< 4 days	Gambas RI	Overhanded to National Park.
22 - Apr	Detected 1 suspect of firewood theft.	< 4 days	Plang Hijau	Processed
22 - Apr	Detected 2 sanres for deer and wildpig.	< 1 months	Plang Hijau	Inactivated
5 - Mei	Arrested 3 suspects of fishing.	< 4 days	Tridatu	Overhanded to National Park
8 - Mei	Detected 300 ha of after fire area for hunting.	< 1 months	Jalur Babakan Bambang	Documented
11 - Mei	Detected 4 suspects of fishing, using 2 motorbikes.	< 4 days	Raja Basa Lama	Documented
14 - Mei	4 cutted trees of Gaharu.	< 6 months	Pedamaran	Documented
15 - Mei	Detected 1 suspect of fishing.	< 4 days	Braja Luhur	Documented
15 - Mei	Arrested 1 suspect of fishing, 1 elictic fishing equipment to fish.	< 4 days	Karang anyar	Documented and inactivated the equipment.
15 - Mei	Detected 1 carcasse of elephant with no teeth and tusk.	< 6 months	Botol RPTN Kuala Penet	Reported to National Park.
24 - Mei	Afterfire area (10-15 ha).	< 1 month	Karaoke RPTN Susukan Baru	Documented
25 - Mei	Detected 2 suspects of fishing.	< 4 days	Margahayu	Documented
25 - Mei	Detected 4 suspects of fishing.	< 4 days	Rantau Jaya Udik	Documented
26 - Mei	Detected 6 suspects of fishing.	< 4 days	Margahayu	Documented
1 - Jun	Detected sign of trespassing, using 4 bicycles.	< 4 days	Susukan Baru	Monitoring
2 - Jun	Detected sign of trespassing, using 3 motorbikes.	< 4 days	Susukan Baru	Di sanggong
2 - Jun	Afterfire area 2 ha	< 6 months	Susukan Baru	Documented
4 - Jun	Afterfire area 6 ha; 4 ha and 4 ha.	< 6 months	Penanggungan	documented
4 - Jun	Forest fire 2 ha	< 6 months	Rajawali	dilaporkan
4 - Jun	Afterfire area 2 ha	< 6 months	Penanggungan	documented
4 - Jun	Afterfire area 5 ha	< 6 months	Way Bungur	Documented
6 - Jun	Afterfire area 3 ha	< 6 months	ogai	documented
6 - Jun	Afterfire area 5 ha	< 6 months	Tutung RPTN Bungur	documented
6 - Jun	Afterfire area 20 ha	< 6 months	Ogai	documented
6 - Jun	Detected 4 suspect of illegal grazing.	< 4 days	RPTN Susukan baru	documented
7 - Jun	Afterfire area 4 Ha,	< 1 month	Tidung	Documented

8 - Jun	Detected 1 cutted tree.	< 1 year	Tutung RPTN Bungur	Documented
8 - Jun	Afterfire area 4 ha	< 6 months	Tutung RPTN Bungur	documented
11 - Jun	Afterfire area 10Ha	< 1 weeks	RPTN Susukan Baru	Documented
17 - Jun	Detected 1 old camp.	< 6 months	Resort Way Kanan	Documented
18 - Jun	Detected 1 old camp.	< 6 months	Resort Rawa bundar	Documented
21 - Jun	Afterfire area 5 ha	< 1 months	Way Pis / Resort Rawa buder	Documented
29 - Jun	Detected 1 active snare for deer.	< 1 weeks	Resort Plang hijau	Documented dan destroyed
29 - Jun	Detected 2 active snares for deer.	< 1 weeks	Resort plang hijau	Documented dan destroyed
29 - Jun	Detected 2 cutted gaharu trees.	< 4 days	Resort Plang hijau	Documented dan didocumented

3. OFFENSES IN UJUNG KULON NP

Date	Remark - Type of offense - Forest / WL produce recovered - Arm / Amunition recovered - People arrested	Age	Location	Action Taken Legal status/ comments
9 - Mei	Detected signs of bird trapping.	< 6 months	rorah banteng cilintang	destroyed
10 - Mei	Signs of fishing.	< 1 year	DAS kalejetan	destroyed
15 - Mei	Signs of fishing.	< 1 months	blok pamageran	destroyed
19 - Mei	Signs of fishing.	< 1 months	blok Tanjung Tembing	destroyed
9 - Jun	Detected 2 snares for mouse deers.	< 6 months	geundir	destroyed
11 - Jun	Detected 50 snares for mouse deers	< 6 months	balagadigi	destroyed
13 - Jun	Signs of fishing	< 6 months	pangorok	destroyed
13 - Jun	Detected 3 suspects of fishing; 1 net and 2 fishing equipment.	< 4 days	cegog	diberi penyuluhan dan disuruh pulang
15 - Jun	Detected signs of bird trapping.	< 6 months	pamancatan	destroyed
15 - Jun	Detected signs of bird trapping.	< 1 week	karang ranjang	destroyed
16 - Jun	Detected signs of bird trapping.	< 1 week	cisimping	destroyed
17 - Jun	Signs of fishing	< 6 months	Alor bau	destroyed

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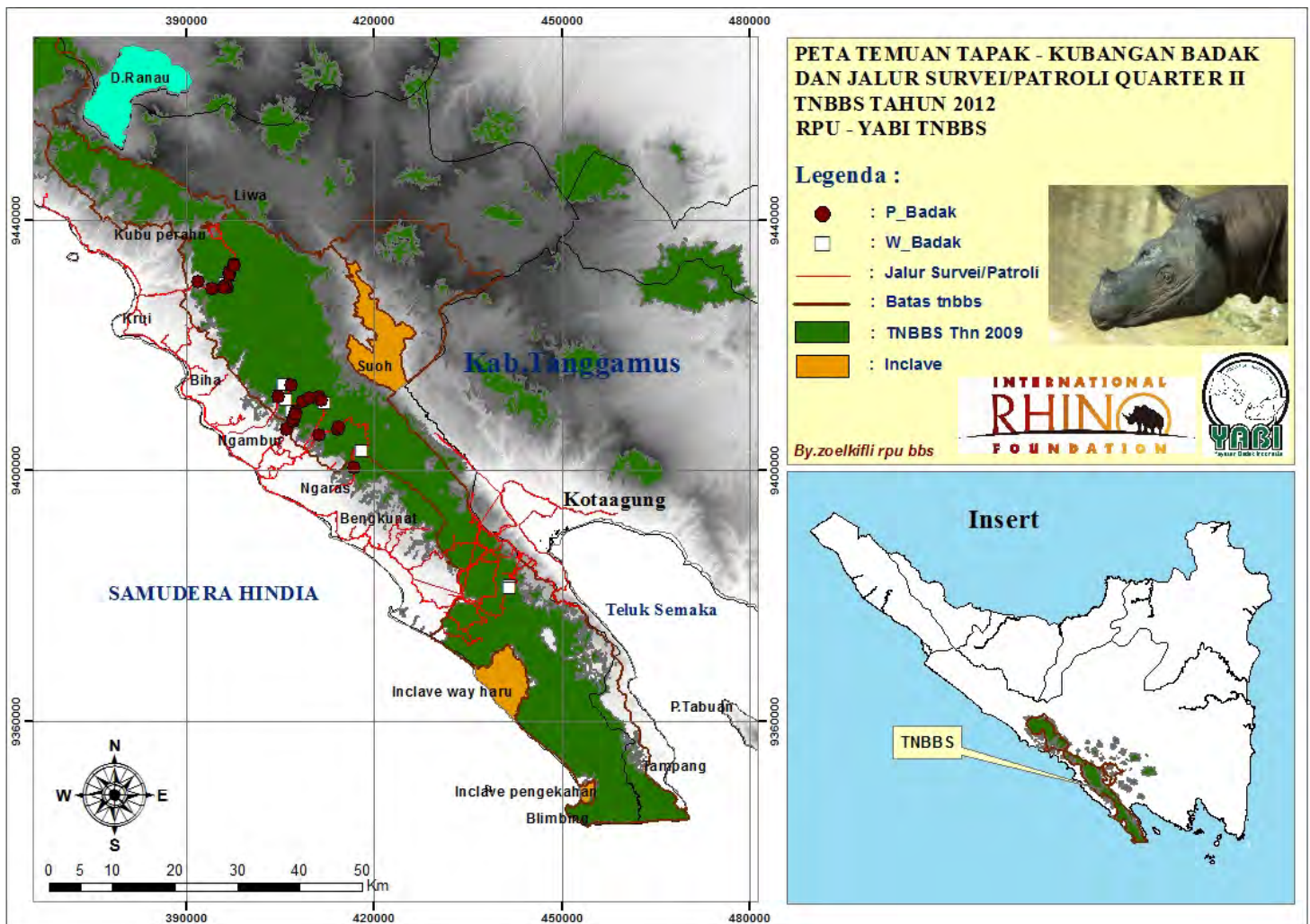


ANNEX- 3:

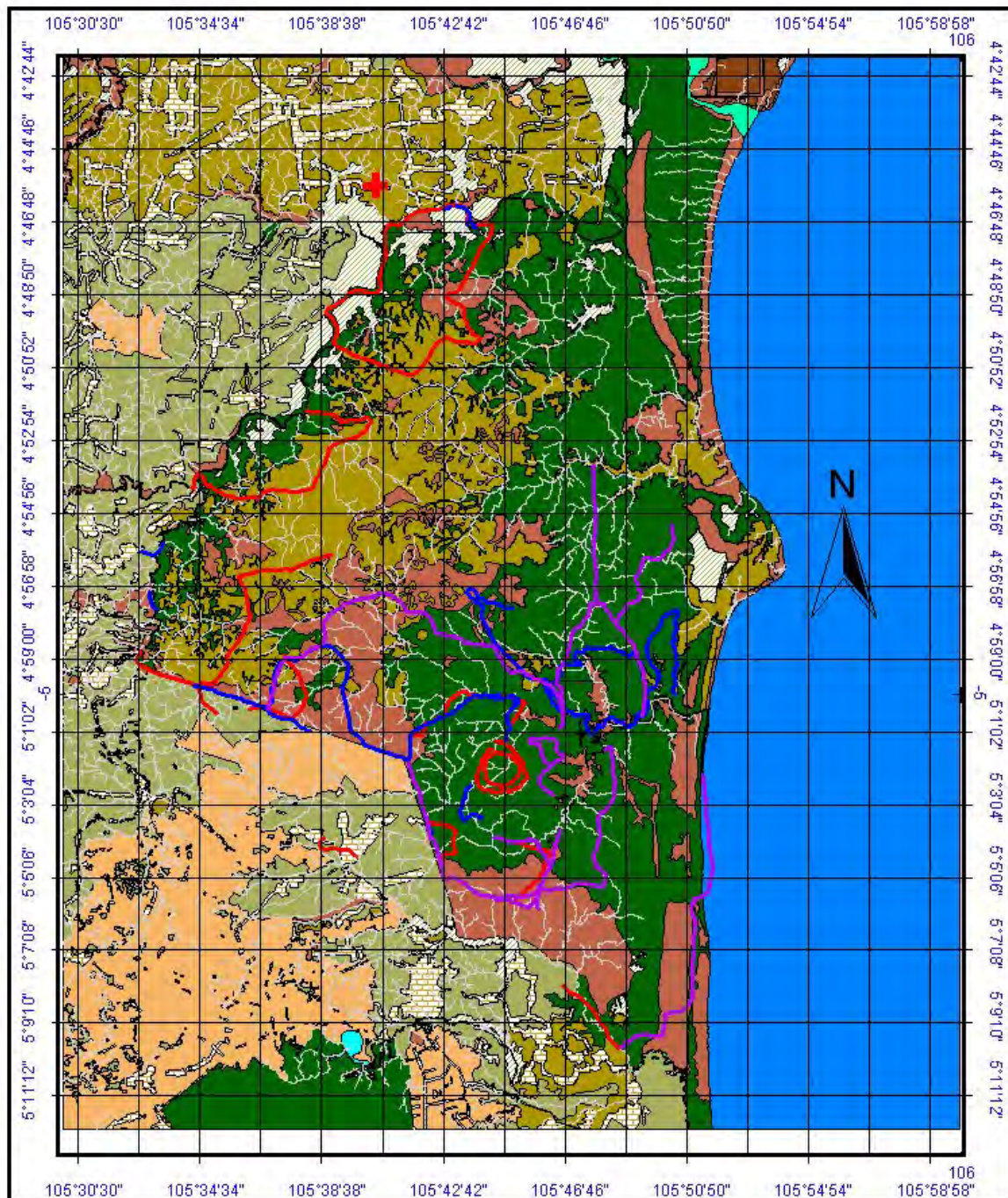
**QUARTERLY ACTIVITY
AND PERFORMANCE REPORT
1 APRIL - 30 JUNE 2012
(Q2)**

ANNEX-3 : Maps of RPU

1. Map of rhino foot-print encountered and Map of patrol route Q2 2012, in BBS NP



2. Map of Patrol and survey route Q2 2012, in WKNP



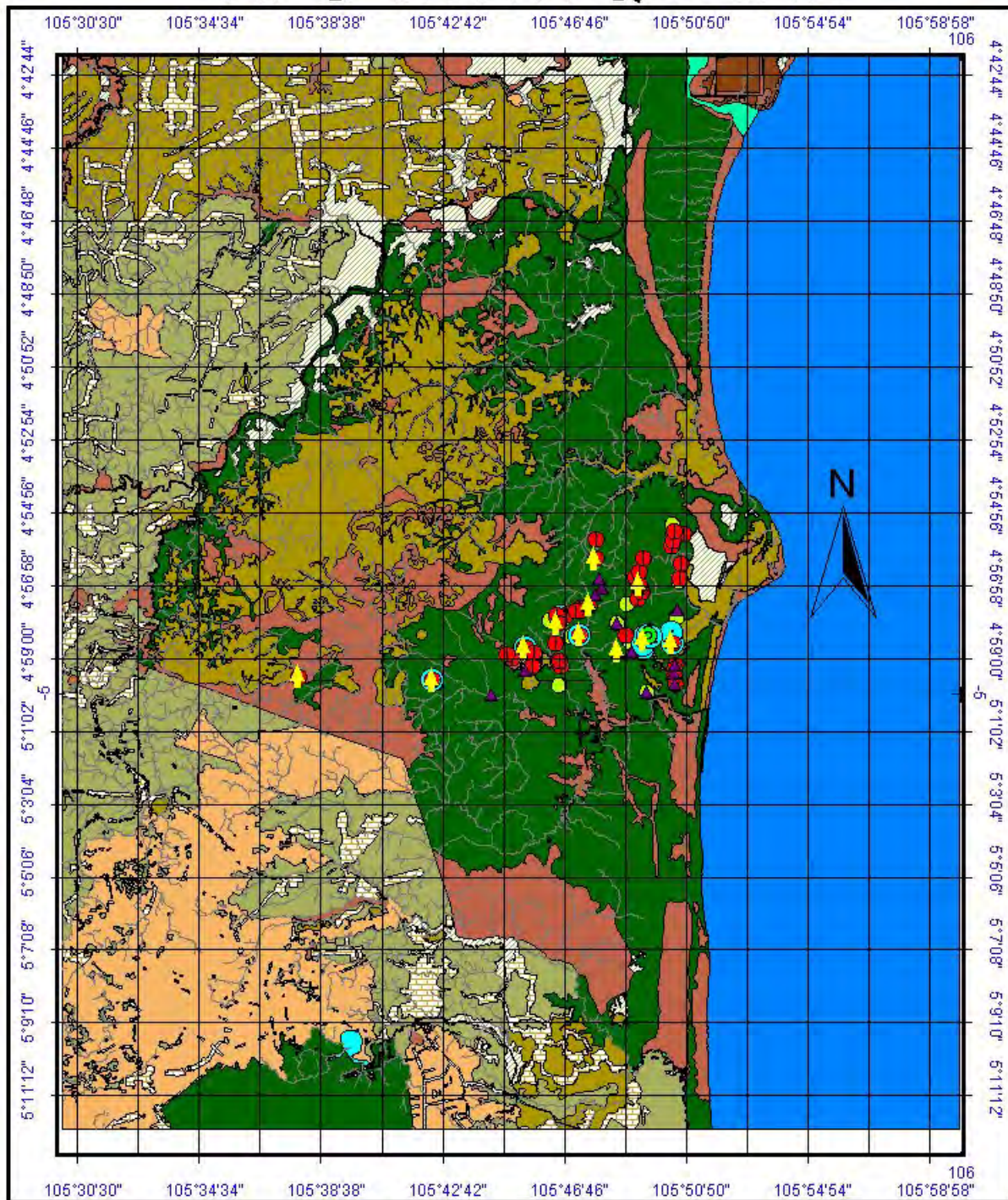
SKALA :1:316071

Dasar : Laporan Dasar RPU WK
Oleh : Agus Riyadi RPU WK

LEGEND

- | | | | |
|---------------------------------------|-----------------|--------------------------------------|-------------------|
| — | Jalur april 12. | + | Titik penyergapan |
| — | Jalur mei 2012. | — | Sungai. |
| — | Jalur juni 12 | | |

3. Map of rhino foot-print encountered Q2 2012, in WKNP.



SKALA : 1:316071

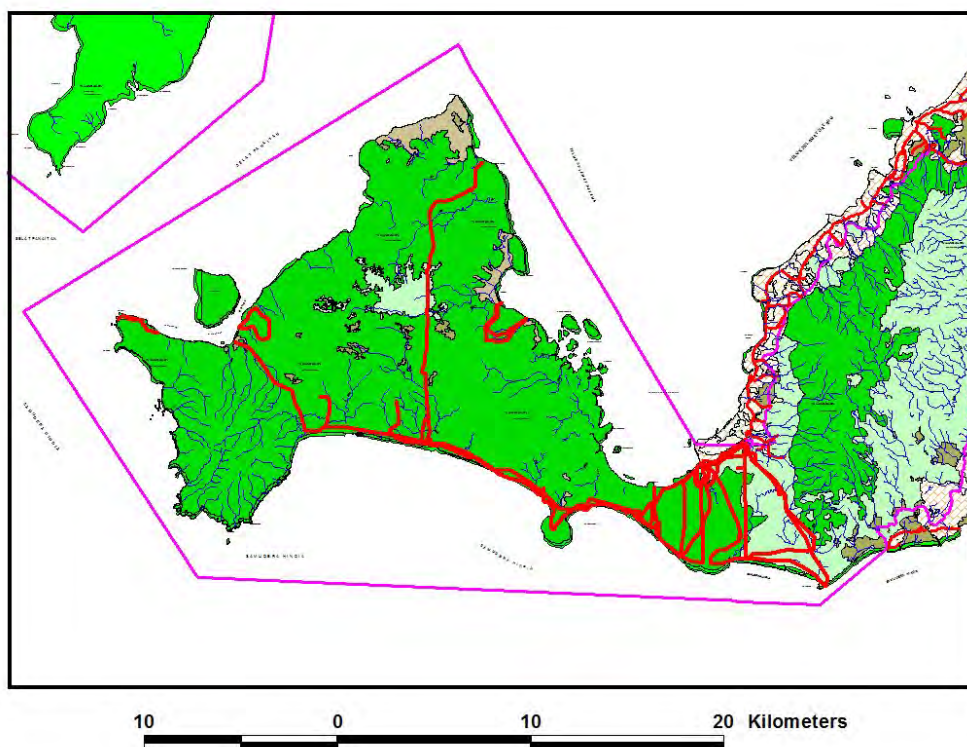
Dasar : Laporan Dasar RPU WK
Oleh : Agus Riyadi RPU WK

LEGEND

- | | | | |
|--|------------------|--|-------------------|
| | Pakan Badak | | Temuan lain Badak |
| | Tatap muka Badak | | Kubangan Badak |
| | Tapak Badak | | KTR Badak |

4. Map of patrol route, rhino foot-print and wallow encountered Q2 2012, in UKNP

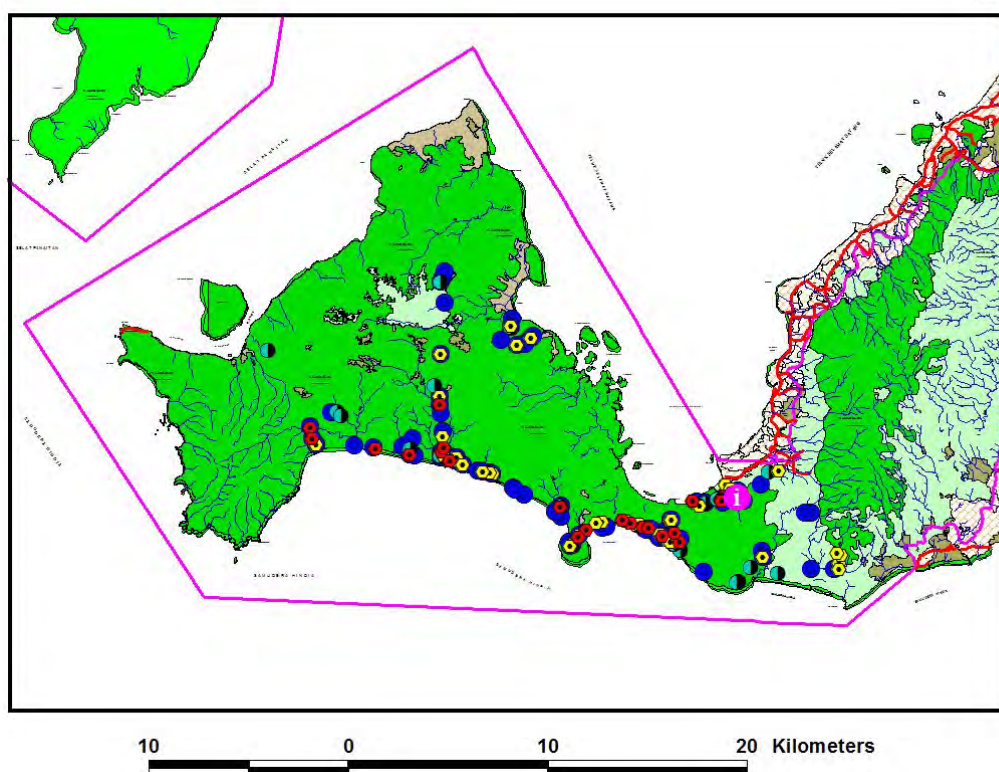
Map of patrol route
Q2 2012
RPU UK



- Text Text
- Text Annoll
- Sungaili
- Jalanli
- Batasli
- Landuse (bakosurtanal).shp
- Belukar
- Danau
- Hutan
- Kebun
- Rawa
- Sawah
- Sawah Tadah Hujan
- Tegalan
- Baseli



Map of Rhino Encountered
Q2 2012
RPU UK



- i Temuan langsung bdk
- Q2 kotoran
- Q2 pakan
- Q2 kubangan
- Q2 tapak
- Text Text
- Text Annoll
- Sungaili
- Jalanli
- Batasli
- Landuse (bakosurtanal).shp
- Belukar
- Danau
- Hutan
- Kebun
- Rawa
- Sawah
- Sawah Tadah Hujan
- Tegalan
- Baseli

