



INTERNATIONAL
RHINO
FOUNDATION
2012 Annual Report



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IRF is able to keep costs to a minimum because much of our administrative and creative support is donated pro bono.

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LEADERSHIP MESSAGE

As we complete our 20th year of conserving rhinos, in some ways we have come back to our roots. In the early 1990s, in response to the poaching crisis that threatened to decimate black rhinos in Zimbabwe, the International Black Rhino Foundation (IBRF) was formed. Thanks in part to our efforts, the poaching crisis has abated. A number of black rhinos were imported to the US and Australia to form an insurance population. In 1993, recognizing that the escalating crisis facing all five rhino species was not receiving the attention it deserved, the IBRF evolved into the International Rhino Foundation (IRF). Although our recent emphasis has been away from managed breeding programs, the American Zoo & Aquarium Association's Rhino Advisory Group recently decided to phase out the southern central black rhino in favor of eastern black rhino. Knowing how rapidly things can change, and because the majority of southern black rhino are held by IRF institutions, we have taken on and are reinvigorating the management of the captive southern central black rhino population with a solid linkage to black rhino conservation in range countries, bringing IRF's history full circle.

We still work in Zimbabwe, through our partner the Lowveld Rhino Trust (LRT), which in our opinion has been the only thing that has kept Zimbabwe's rhino populations from going extinct. The Lowveld area now holds 90 percent of the country's rhinos. 2012 was a tough year for rhinos. Poaching in South Africa reached its highest levels ever, with 668 animals killed – about two per day. But in Zimbabwe, thanks to the work of the LRT, poaching has decreased significantly over the past several years. And, this year, 33 calves were born, including the 100th calf born in the Buby Valley Conservancy since introductions

began in 2002! This population is now growing at nearly 10% per year.

In South Africa, we are focusing on putting our precious resources towards very specific niches: assessing security needs, and providing training and equipment to areas that just need an infusion of expertise to increase their ability to successfully handle poaching incursions. We also are exploring the use of tracker dogs to assist in anti-poaching activities.

In India, our joint initiative with the Government of Assam, the Bodoland Territorial Council, WWF-India and the US Fish and Wildlife Service, Indian Rhino Vision 2020, saw 12 more rhinos translocated to Manas National Park in India, for a total of 18 animals now populating the park. In late May, we had the first birth in the Park, a good sign that the program is well on its way to being successful.

In Indonesia, video camera traps in Ujung Kulon National Park helped park staff to identify 35 different Javan rhinos, out of a presumed population of about 44 animals. Surveys there are continuing, backed up by the camera traps and collection of feces for DNA analysis.

An exciting milestone: the first calf was born at the Sumatran Rhino Sanctuary! The IRF completed the Sanctuary in 1998 and continues to fund and co-manage the facility with our partner, Yayasan Badak Indonesia. (We sometimes say it was a 15-year pregnancy!) This birth was a truly global collaboration – sire Andalas was born at the Cincinnati Zoo and moved to Indonesia in 2007. Dam Ratu wandered out of the forest in



2006. Calf Andatu (on our cover), whose name means “gift from God”, is healthy and full of himself, as all rhino calves are.

These milestones and the achievements on the pages that follow demonstrate the effectiveness of our endeavors and affirm the solid foundation on which the International Rhino Foundation is built. We are moving forward with an ambitious mission and a clear vision – eager to tackle the many conservation challenges ahead.

Whether marveling at the miracle of a newborn Sumatran rhino, or reeling from images of merciless killings of rhinos for their horn, we are reminded of one thing: our work has never been more important. You, our generous supporters, have never been more important. We hope you enjoy this update on what we've been able to accomplish in 2012.

Susie Ellis
Executive Director



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John Lukas
President

STATE OF THE RHINO

Javan Rhino (*Rhinoceros sondaicus*) **Critically Endangered**

<44 Probably no more than 44 individuals in the wild – Population stable?

Javan rhinos now survive only in Indonesia's Ujung Kulon National Park. The species is believed to have occurred in nine other countries - India, Bangladesh, Myanmar, Laos, Thailand, Malaysia, Cambodia, China and Vietnam – but the last individual recorded outside Indonesia was killed by poachers in Vietnam in 2010. Population estimates for Ujung Kulon National Park are based on field observations by Rhino Protection Units (RPUs), ground surveys, and data from video camera-trap research in 2011. There has been no known rhino poaching since Rhino Protection Units (RPUs) were established in the late 1990s. The highest conservation priorities for saving the Javan rhino from extinction include protecting this last remaining population, expanding rhino habitat within the Gunung Honje section of Ujung Kulon, and identifying a suitable translocation site within the species' historic range for establishing a second population.

Sumatran Rhino (*Dicerorhinus sumatrensis*) **Critically Endangered**

<100 Probably no more than 100 individuals in the wild – Population decreasing

Rhino specialists now believe that as few as 100 Sumatran rhinos may survive as fragmented populations in Indonesia's Bukit Barisan Selatan, Gunung Leuser and Way Kambas National Parks, as well as in tiny, unprotected forests of Sabah, Malaysia. This estimate reflects the apparent loss of isolated populations in Peninsular Malaysia, declining numbers in Malaysian Borneo, and the lack of reliable population estimates from northern Sumatra. The only place that wild Su-

matran rhino populations may be increasing is Way Kambas National Park in southern Sumatra. Human encroachment of tropical forest habitat and poaching remain the most serious threats. At present, ten animals are maintained in managed breeding programs in the US, Sabah, Malaysia, and Indonesia.

Greater One-horned Rhino (*Rhinoceros unicornis*) **Vulnerable**

3,300 More than 3,300 individuals in the wild – Population slowly increasing

The greater one-horned rhino population now numbers more than 3,300 animals in India and Nepal, thanks to the continued protection and reintroduction efforts, and despite recent increases in poaching activity in northeastern India. The Indian state of Assam remains the stronghold for this species with more than 2,400 rhinos found in Kaziranga, Manas and Orang National Parks, and the Pobitora Wildlife Sanctuary. Just over 250 individuals are also documented from protected areas in the states of Uttar Pradesh and West Bengal, and more than 500 greater one-horned rhinos remain in Nepal, the majority in Chitwan National Park. Under Indian Rhino Vision 2020, translocations from the Pobitora Wildlife Sanctuary and Kaziranga National Park have re-established the species in Manas National Park, where two dozen animals have been reintroduced, and recent breeding has occurred. Poaching remains a threat, but increased protection efforts bode well for the species' future.

Black Rhino (*Diceros bicornis*) **Critically Endangered**

5,000 Just over 5,000 individuals in the wild - Population slowly increasing.

Black rhinos remain victims of heavy and sophisticated

poaching activity, particularly in South Africa, yet their numbers continue to slowly increase despite this ongoing threat. Normal reproduction appears to have offset mortality to some degree and populations across the species' range have actually remained relatively stable or even increased thanks to staunch anti-poaching efforts. Presently, the species occurs in nine countries: the Republic of South Africa, Namibia, Kenya, Zimbabwe, Tanzania, Zambia, Malawi, Swaziland and Botswana. The highest priorities for safeguarding this species are to bolster anti-poaching activities and to maintain intensive management of wild populations.

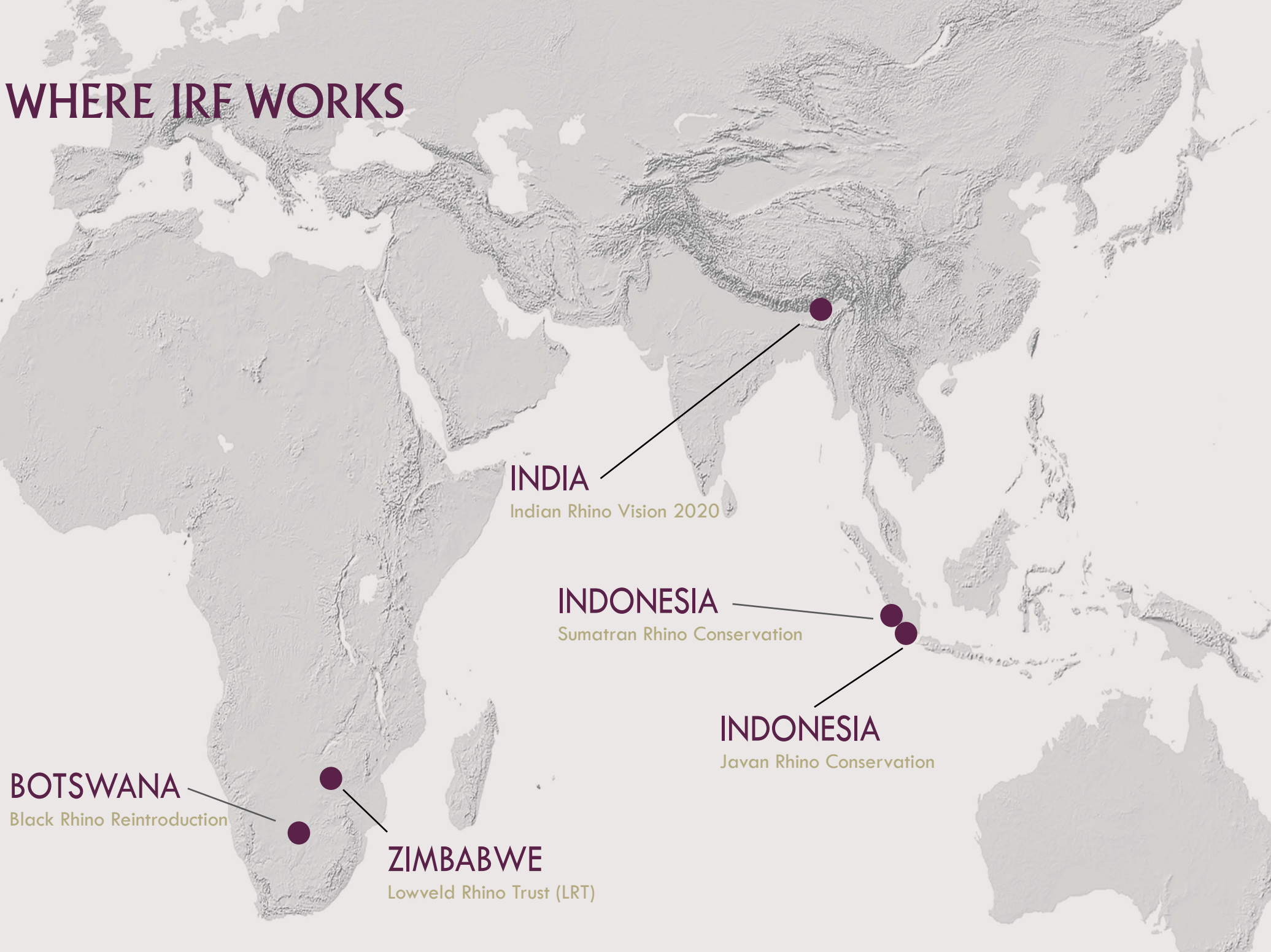
White Rhino (*Ceratotherium simum*) **Near Threatened**

20,400 At least 20,400 individuals in the wild - Population slowly increasing

The white rhino is most abundant of the five living rhino species. Overall, populations have remained relatively stable in the face of increasingly aggressive and sophisticated poaching, but the situation is almost certainly unsustainable over the long-term. White rhinos presently occur in ten countries: the Republic of South Africa, Namibia, Kenya, Zimbabwe, Botswana, Swaziland, Uganda, Mozambique and Kenya. The Republic of South Africa still holds the overwhelming majority of the population, but is also the country hardest hit by the poaching crisis, with an average of one to two animals per day lost to poachers in 2012. The highest priority for ensuring this species' survival is to step-up protection of wild and free-ranging populations, and for range country governments to enforce their wildlife crime laws.



WHERE IRF WORKS



IRF PROGRAMS

The International Rhino Foundation safeguards rhinos in areas where they most need attention and where each dollar spent will have the most significant impact. We do this by maintaining a hard-working presence in rhino range countries and by partnering with like-minded organizations on the ground.



AFRICA	INDIA	INDONESIA
Black and White Rhinos	Greater One-horned Rhino	Sumatran and Javan Rhinos

Lowveld Rhino Trust (LRT)
Zimbabwe
IRF partners with the LRT to monitor and protect black and white rhino populations on privately-managed wildlife conservancies.

Black Rhino Reintroduction
Botswana
IRF partners with Wilderness Safaris to re-establish black rhino populations where they have been hunted out.

Indian Rhino Vision 2020
IRF partners with the government of Assam, World Wildlife Fund, US Fish and Wildlife Service, and Bodoland Territorial Council to return Greater one-horned rhinos to former habitats and increase rhino numbers in Assam to 3,000 by the year 2020.

Sumatran Rhino Conservation
IRF partners with Indonesia's Ministry of Forestry and Yayasan Badak Indonesia (YABI) to protect Sumatran rhinos in Bukit Barisan Selatan and Way Kambas National Parks, and to breed this species at the Sumatran Rhino Sanctuary.

Javan Rhino Conservation
IRF, Indonesia's Ministry of Forestry and YABI collaborate to protect the world's last remaining Javan rhinos in Ujung Kulon National Park.

ANDATU'S BIRTH: A LONG-AWAITED MILESTONE

June 23, 2012: In the wee hours of the morning, we welcomed Andatu into the world—the first calf born at the Sumatran Rhino Sanctuary and the first of his kind ever born in captivity in Indonesia. Andatu's arrival came only a few weeks after Indonesia's president had launched the International Year of the Rhino, which has helped focus public attention on the plight of two of the world's most endangered large mammals—the Sumatran and Javan rhinos.

Andatu's story truly is an international 'girl-meets-boy' tale. Andalas, his father, was born at the Cincinnati Zoo in 2001 and brought to the Sumatran Rhino Sanctuary in 2007. Mom Ratu wandered out of the rain forest in 2005 and was brought to the Sanctuary to keep her from harm. After many introductions and two lost pregnancies, the pair finally produced a 60-pound bouncing baby boy, Andatu. His name is not only a combination of Andalas, an ancient name for the island of Sumatra, and Ratu, which means "queen", but also translates as "A Gift from God" in the local language.

The International Rhino Foundation and its Indonesian partner organization, Yayasan Badak Indonesia (YABI), had been awaiting this birth since the 250-acre (100 hectare) Sanctuary was constructed in Way Kambas National Park in 1998. When Ratu completed the first year of her 16-month pregnancy, planning for the new arrival shifted into high gear. A special enclosure was constructed for mother and calf, complete with closed-circuit video cameras that would provide round-the-clock monitoring. Rhino specialists from Australia and the United States also were called in to assist veterinarian Dr. Dedi Candra with birth preparations and post-natal care.

Fortunately, the delivery was uneventful. Andatu was up and moving about within a matter of minutes and Ratu's demeanor changed significantly for the better. Prior to Andatu's arrival, she had a reputation for being a bit aggressive and unpredictable at times, but her post-partum personality was refreshingly calm and tolerant. Her keepers and veterinarians, in fact, were amazed by how pleasant Ratu had become.

Meanwhile, Andatu exhibited typical rhino behaviors immediately. He nursed heartily. He demonstrated an instinctive affinity for water and mud, and was soon wallowing contentedly with his mom. Andatu also began following Ratu throughout their spacious forest enclosure, tasting and testing dozens of different native



plant species, which one day will comprise his entire vegetarian diet. At the end of 2012, Andatu tipped the scales at more than 500 pounds – nearly 10 times his birth weight at only six months of age!

While Ratu continues to raise Andatu, Sanctuary staff is also focused on getting Andalas to breed with one or both of the other resident females, Bina and Rosa. Introductions are conducted regularly and seem to be going well. Andalas has actually mounted Rosa on a couple of occasions but has yet to impregnate her. Eventually, he will also be allowed access to Ratu again, with hopes of a repeat performance.





35 JAVAN RHINOS CAUGHT ON FILM

Rhino Protection Units hiked thousands of kilometers through Indonesia's Ujung Kulon National Park in 2012, but didn't lay eyes on a Javan rhino. Park authorities, however, have video camera-trap evidence of at least 35 rhinos, including four calves. Quite capable of hiding in plain sight from people, these bulky beasts are not camera shy.

IRF works closely with the Rhino Foundation of Indonesia (Yayasan Badak Indonesia) and Indonesia's Ministry of Forestry, and no Javan rhinos have been lost to poaching in Ujung Kulon since the Rhino Protection Unit program was launched 15 years ago. That's critical, because this is their final stronghold. A species that once ranged from the foothills of the Himalayas to the islands of Sumatra and Java – more than 3,000 miles - is now gone from India, Bangladesh, Myanmar, Laos, Thailand, Malaysia, Cambodia, China and Vietnam.

This critically endangered species requires round-the-clock protection and more suitable habitat. A significant portion of Ujung Kulon is dominated by an invasive palm (*Arenga obtusifolia*), not one of the more than three hundred plants Javan rhinos are known to eat. The palms create a dense canopy, shade the forest floor, and allow few or no rhino food plants to grow. Palms must be cleared from areas that now support only a few rhinos, a process currently underway in the Javan Rhino Study and Conservation Area. Approximately 100 acres of experimental plots have now been cleared by local workers, among them people who previously lived illegally within the park's borders. The results are impressive. New plants appear from dormant seeds, runners and roots, they can reach chest height in only a matter of months, and more than 90% of the recolonizing species are rhino food plants.

We expect Ujung Kulon's Javan rhino numbers to increase, so that a second, insurance population eventually can be established within the species' historic range.



745 RHINOS POACHED IN AFRICA THIS YEAR

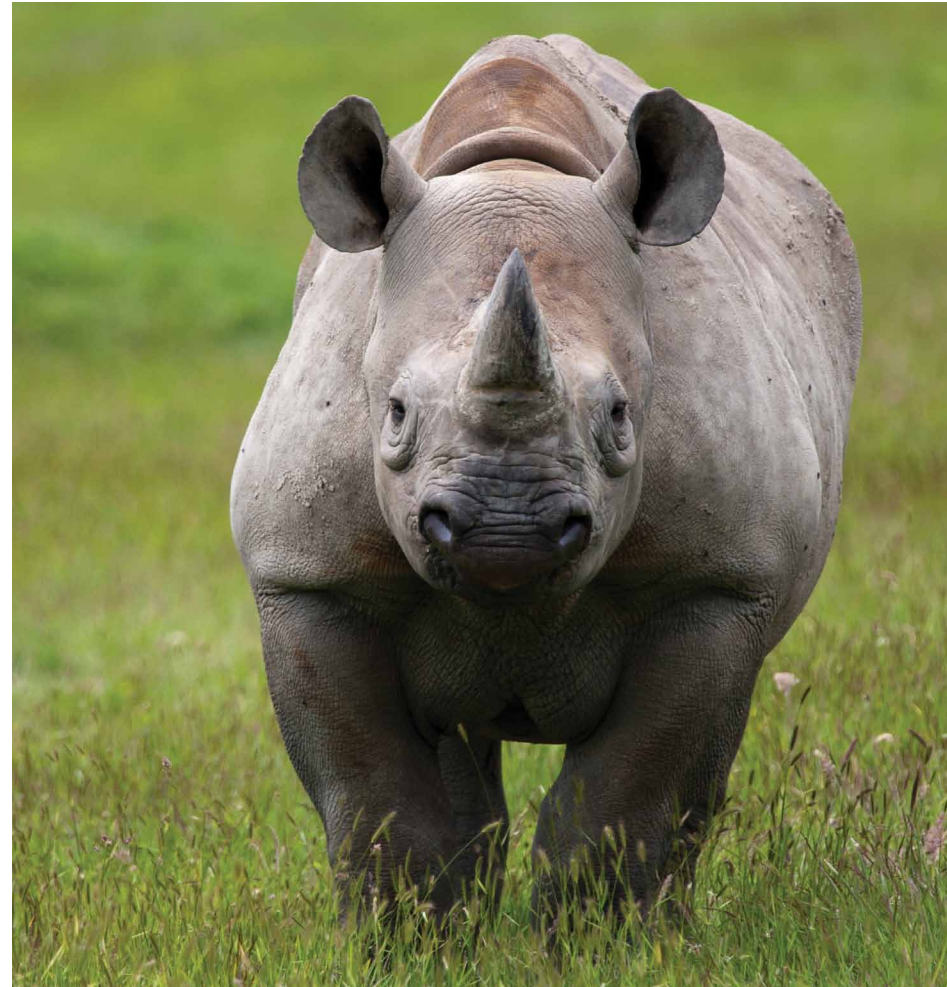
At the end of 2011, IRF supporters responded generously to the launch of our Operation Stop Poaching Now campaign. At that time, the Republic of South Africa was, on average, losing one rhino every 18 hours. Unfortunately, despite efforts to stop the slaughter, poaching rates continued to skyrocket last year due to the increasing demand for rhino horn in China, Vietnam and other Asian countries. At the end of 2012, government authorities documented the loss of 668 rhinos to poachers in South Africa alone, and an overall loss of 745 animals, which averages to about two rhinos being killed about per day across Africa.

In Traditional Chinese Medicine, rhino horn has been used to reduce fever and to treat a variety of other ailments. Widespread rumors in Vietnam that rhino horn can cure cancer and eradicate hangovers also has fueled an emerging market, which has the potential to erase 30 years of conservation success in the blink of an eye. Ironically, Vietnam's own Javan rhino became extinct in 2010, with the last known animal shot and its horn hacked off.

Rhino poaching is driven by well-organized, well-equipped crime syndicates, and is not a crime of poverty. Buying and selling rhino horn is illegal in China and Vietnam, but enforcement is lax and prosecutions for smuggling horns into the country are few and far between. Although more than 250 poachers were arrested in South Africa in 2012, conviction rates remain low and higher-ranking beneficiaries often go untouched.

Both black and white rhino numbers – living in nine countries – are barely keeping pace with the recent spate of poaching. Numbers continue to slowly increase, thanks to intensive conservation programs. However, the rapid escalation in poaching is unsustainable, and unless it can be halted, African rhino numbers will once again start to decline.

In 2012, IRF partnered with security experts in South Africa to provide rangers with advanced training in hand-to-hand combat, firearms safety, investigative techniques, intelligence gathering, evidence collection, communications, rhino identification and monitoring. We provided scene-of-crime kits containing basic investigation equipment such as a camera, metal detector, GPS, finger-printing materials, and sealable evidence bags. These key items aid rhino protection and



crime scene investigations so that sound evidence against poaching suspects can be generated and used in court. In Zimbabwe, more than 50 staff in Save and Bulye Valley Conservancies took part in standardized, phased training courses starting with basic tracking and anti-poaching. And, through our partner the Endangered Wildlife Trust, we funded a specially-trained dog (and its handler) that will be trialed in Zimbabwe to track poachers.





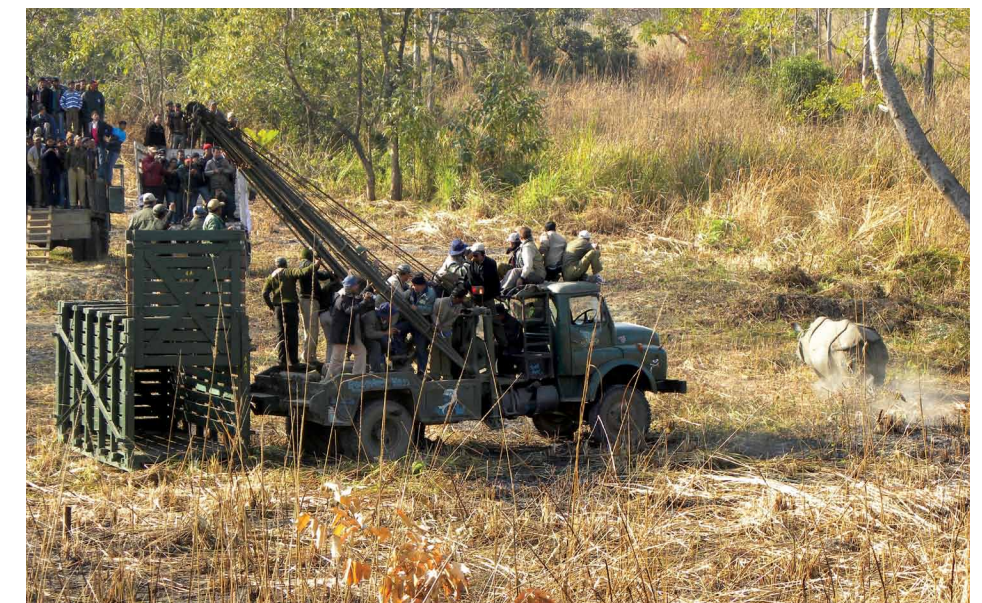
THE FIRST RHINO BORN IN MANAS NATIONAL PARK IN THE 21st CENTURY

The Indian or greater one-horned rhino population of Manas National Park was wiped out in the 1990s, but is making a comeback. Rhinos are being reintroduced to Manas as part of the effort known as Indian Rhino Vision 2020 - a joint initiative of IRF, the India's Department of Environment and Forests, the Government of Assam, the Bodoland Territorial Council, WWF-India and the US Fish and Wildlife Service. The goal of Indian Rhino Vision 2020 is to grow the population of greater one-horned rhinos in Assam to 3,000 by the year 2020 and, in the process, increase the number of parks and sanctuaries in which they occur from four to seven. Thus far, rhinos have been translocated to Manas from Pobitora Wildlife Sanctuary and Kaziranga National Park, which holds approximately 70% of the world's remaining wild greater one-horned rhinos. The other protected area in which the species currently occurs is Orang National Park. At the close of 2012, 18 wild rhinos had been captured from Pobitora and Kaziranga for release in Manas.

One of the female rhinos captured translocated from Pobitora gave birth to a calf in late May. The female, designated as Rhino 10, had been released in January of last year so, given a gestation period of 15 to 16 months, she was obviously in the early stages of pregnancy when captured.

A total of 12 rhinos were released to Manas in 2012. Two females were translocated from Pobitora in January, eight from Kaziranga in February and March (three males and five females), and another two animals from the Wildlife Rescue Center, located outside Kaziranga, were also released in March.

Unfortunately, in May 2012, Indian Rhino Vision 2020 also experienced its first poaching loss. A female, Rhino 12, was discovered shot with her horn and toenails removed. She had been moved from Kaziranga only three months earlier. As a result, plans for additional moves were put on hold until a full assessment of security measures is completed and actions to improve protection can be put in place. In the interim, planning continues for eventual translocation of rhinos into Burachapori Wildlife Sanctuary.



100 BLACK RHINO CALVES IN 10 YEARS!

Zimbabwe holds the world's fourth largest black rhino population. The Lowveld Rhino Trust, with support from IRF, is responsible for 90 percent of the national population, working in two wildlife conservancies covering more than 1.6 million acres.

Under the direction of IRF's Africa Program Coordinator Raoul du Toit, 53 black rhinos were immobilized in 2012, including 33 ear-notchings, 11 de-hornings, 14 transmitter implants, and two treatments of wounds suffered from poaching attempts. Unfortunately, 19 black rhinos were lost to poachers last year, which resulted in the firefight death of one and the arrests of seven others. This prompted the translocation of 20 black rhinos from threatened areas to more secure locations. On the plus side, monitoring teams tallied 33 black rhino births in 2012, including the 100th calf born in the Buby Valley Conservancy since introductions began in 2002! This population is now growing at nearly 10% per year and, because extensive habitat is available, we anticipate it will take only five years for the next 100 calves to be born.

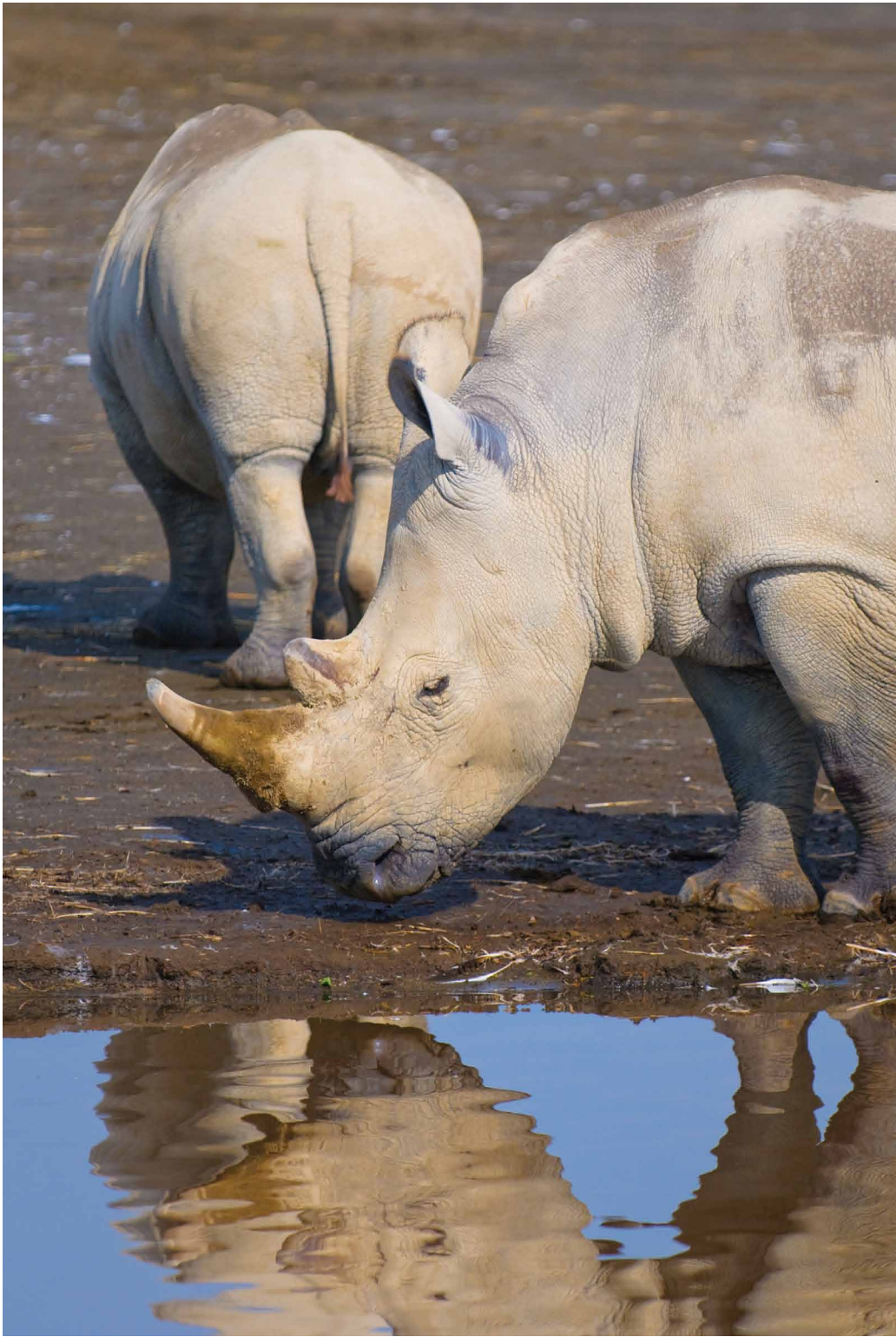
Unfortunately, we still have a lot of rhino calves orphaned by poaching. Take the cases of Bebrave and Long Playing. Bebrave's mother and sister were killed by poachers in August 2011 when he was about a year old. Long Playing, a female, was barely 7 months old when her mother was killed early in 2012. Both calves were captured for hand-rearing. Bebrave was well settled in his ranch home, with a huge tire and an orphan eland for company, when Long Playing arrived, but he abandoned both when the gate to her pen was opened. At half his size, Long Playing was less enthusiastic about having a new playmate and chased Bebrave from her pen. However, the two soon became inseparable, and are scheduled to return to the wild in 2013.



ZOO PARTNERS PROGRAM

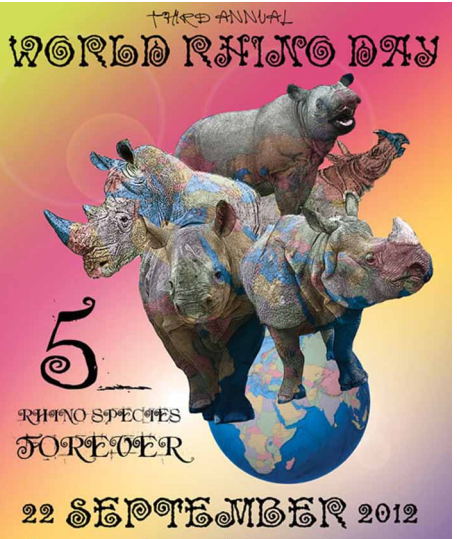
Since its inception, the International Rhino Foundation has received significant support from zoological parks and aquariums around the world, helping to develop field-based conservation programs for all five rhino species in Africa and Asia, as well as managed breeding projects focused on two critically endangered species. Zoos and aquariums contribute to these efforts through grants, visitor contributions via the popular Quarters for Conservation initiative, and a variety of special events linked to Cinco de Rhino in May and World Rhino Day in September. The International Rhino Keeper Association produces a yearly calendar to raise support for specific rhino conservation projects, and chapters of the American Association of Zookeepers host Bowling for Rhinos events across the United States to help maintain Rhino Protection Units that safeguard Sumatran and Javan rhinos in three Indonesian national parks. In addition, several institutions, including the Cincinnati Zoo, San Diego Zoo, Taronga Conservation Society Australia, and White Oak Conservation Center, provide both animal husbandry and veterinary staff as back up to the Sumatran Rhino Sanctuary, and several North American, Latin American and Australian institutions have helped launch a Southern Black Rhino Sustainability Program that includes private breeding centers in the effort to develop a viable, global captive population of this threatened subspecies.

In 2012, these initiatives were formally brought together under the auspices of IRF's Zoo Partners Program which, at year's end, numbered 50 zoological institutions and associations representing Australia, Canada, France, Ireland, Mexico, New Zealand, Switzerland, The Netherlands, and the United States. Our goal is to create opportunities for as many zoos as possible to become more directly involved in programs aimed at saving threatened wild rhinoceros populations and their habitats.



World Rhino Day 2012

World Rhino Day falls on September 22 each year and provides an excellent opportunity for institutions and individuals to help support rhino conservation efforts. "Five Rhino Species Forever" was the theme of this year's events, which were celebrated in at least 15 countries.



Horns and Heroes Project

To commemorate World Rhino Day 2012 and help support the International Rhino Foundation, Chad Harmon, a rhino keeper at Disney's Animal Kingdom and talented artist, organized the first Horns and Heroes Project. Participating artists embellished hand-crafted rhino horn sculptures, each in his or her unique style. The sculptures were placed on display for a single evening of auctions that raised over \$5,000. According to Chad, "The Horns and Heroes Project will help fund programs that help supply the courageous and dedicated rangers who risk their lives every day to stop poaching and give rhinos a chance at survival."

2012 SPECIAL EVENTS

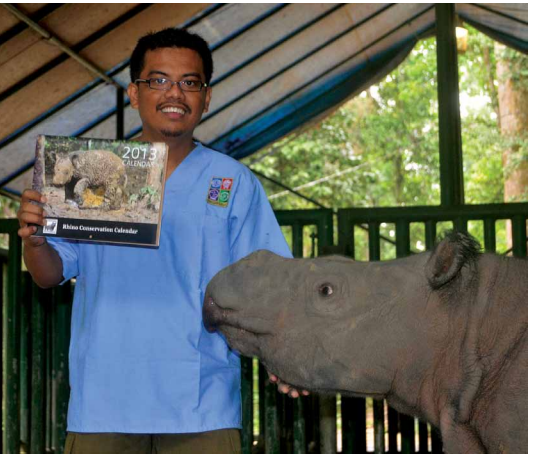
Bowling for Rhinos

In 2012, American Association of Zookeeper (AAZK) chapters across the United States raised a total of \$337,000 for rhino conservation initiatives in Africa and Asia by hosting Bowling for Rhino events. Of the total, just over \$111,000 was contributed to the International Rhino Foundation to support Rhino Protection Units in Bukit Barisan Selatan, Way Kambas and Ujung Kulon National Parks – final strongholds for both Sumatran and Javan rhinos.



2013 Rhino Conservation Calendar

The cover of the International Rhino Keeper Association's 2013 calendar featured Andatu, the first baby born at Indonesia's Sumatran Rhino Sanctuary. The photographer was Sanctuary veterinarian, Dr. Dedi Candra, who appears to be as good with the camera as he is with the medical instruments he employs. Calendar sales and other special event income generated more than \$8,600 for support of Sumatran rhino conservation.



2012 Donors

IRF's work is only possible because of the generous support of our donors. Thank You!

\$25,000+

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Tyson Carter
Mercedes Carvajal Scaizitti
Lisa C. Chew
Ivana Cinkova
Matthew Clark
CLRB Hanson LLC v. Google
John Cobey

2012 FINANCIALS

REVENUE:

Individuals	\$385,330.00
Foundations & Non-profits	\$700,011.00
Corporations	\$642,797.00
Zoos	\$529,204.00
Government Grants	\$359,579.00

TOTAL ANNUAL SUPPORT: \$2,615,643.00

Rollover Funds from 2011	\$871,782.00
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TOTAL ANNUAL REVENUE \$3,487,425.00

EXPENSES:

African Rhino Conservation	\$646,151.00
Zimbabwe Black Rhino Conservation	\$397,331.00
Zimbabwe Black Rhino Special Projects	\$85,306.00
Southern Africa Anti-poaching	\$153,012.00
Black Rhino Repatriation	\$1,527.00
Botswana Black Rhino Translocations	\$7,905.00
Uganda White Rhino Education	\$1,070.00

Indian Rhino Conservation
Indian Rhino Vision 2020 **\$112,209.00**

Sumatran & Javan Rhino Conservation
Sumatran Rhino Conservation **\$952,635.00**
Javan Rhino Conservation **\$773,382.00**
\$179,253.00

Conservation Research **\$4,858.00**
Technical Advisors **\$93,174.00**

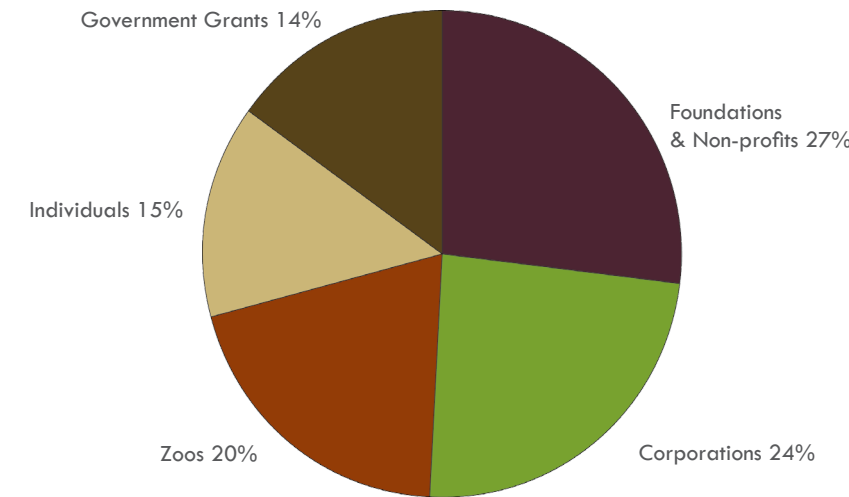
TOTAL PROGRAM EXPENSES \$1,809,027.00

Administration & Fundraising **\$209,787.00**

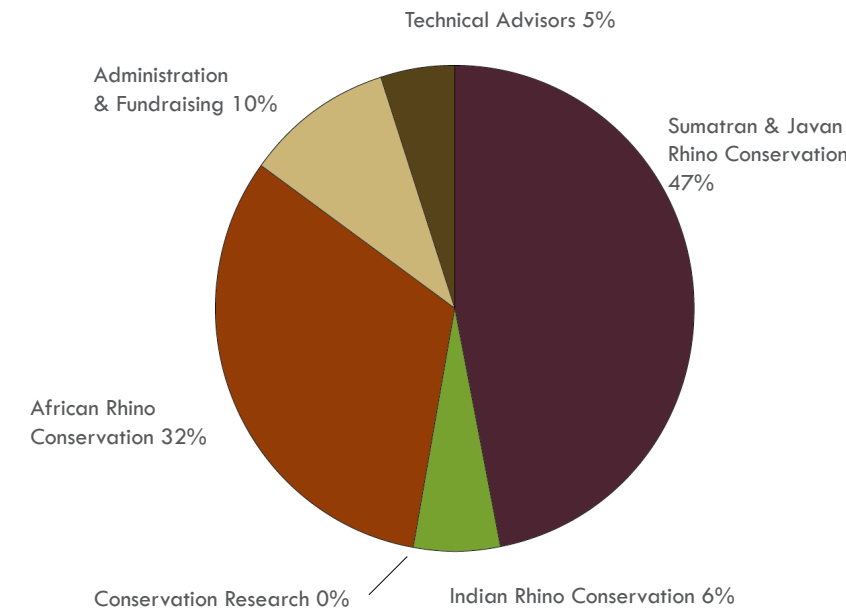
TOTAL ANNUAL EXPENSES \$2,018,814.00



2012 Revenue



2012 Expenses



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