

**Wildlife Without Borders- Rhinoceros and Tiger Programs
Summary of Projects 2004**

40 Grants Total FWS Funding: 1,273,589 Total Leveraged Funds: \$2,591,248

“A Study of the Status, Behavior and Ecology of the Tiger in the Sundarban of Bangladesh” provided continuing support for studying tigers throughout the Sundarban, in particular their behavior and ecology, and human-tiger conflict to determine management activities that can reduce this conflict. In partnership with University of Minnesota. USFWS \$31,447; Leveraged funds \$10,465.

“Tiger Habitat Continuity Study, India” continued support for gathering information on threats to tiger conservation in the vicinity of Melghat Tiger Reserve. This information will then be disseminated to government and non-government organizations capable of taking needed actions to protect tigers, their prey and their habitat. In partnership with Bombay Natural History Society. USFWS \$12,432; Leveraged funds \$14,751.

“Evaluating the Effectiveness of Barandabhar Forest Corridor for Rhino in Nepal” studies great one-horned rhinoceros habitat use in Nepal’s Royal Chitwan National Park and compares that to the rhino’s use of habitat in the Barandabhar Forest Corridor. In partnership with International Trust for Nature Conservation. USFWS \$3,850; Leveraged funds \$11,480.

“The Initiation of Conservation Practices in Lomphat Wildlife Sanctuary, Cambodia” equips and trains rangers in patrol and law enforcement techniques and outreach to local communities on conservation significance of the Lomphat Wildlife Sanctuary. In partnership with WildAid. USFWS \$49,676; Leveraged funds \$49,832.

“Tiger Conservation in Oil Palm Plantations and Associated Habitats, Indonesia” recruits, trains, and equips a scout team for the PT Asiatic Persada plantation located in Jambi province on Indonesia’s island of Sumatra, allowing tigers to continue to survive in a commercial landscape with a minimum of conflict with people. In partnership with Zoological Society of London. USFWS \$40,202; Leveraged funds \$130,980.

“A Monitoring System to Evaluate the Ecological Outcomes of the Terai Arc landscape Project, Nepal” assists Nepal’s Department of Forest in developing/institutionalizing a biological monitoring program to assess the effectiveness of efforts to restore/conservate terai arc landscape biological resources located outside protected areas. In partnership with University of Minnesota. USFWS \$42,600; Leveraged funds \$29,540.

“Developing an Integrated Patrolling and Biodiversity Monitoring System for the Lowland Protected Areas of Nepal” builds capacity in Nepal’s Department of National Parks and Wildlife Conservation to monitor tigers, their prey, elephants, rhinos, and other large mammals and to patrol in protected areas. In partnership with University of Minnesota. USFWS \$36,360; Leveraged funds \$18,768.

“Revisiting Where Tigers Can Live in the Future, USA” provides updated habitat and population information needed in strategic planning of tiger conservation. In partnership with World Wildlife Fund. USFWS US \$38,000; Leveraged funds \$111,000.

“Training of Tiger Range State’s Officials in Wildlife Management, India” develops capacity to manage tiger populations and habitats in range countries (other than India) by training personnel involved in tiger conservation projects at the Wildlife Institute of India. In partnership with Global Tiger Forum. USFWS \$38,520; Leveraged funds \$40,000.

“Building the Foundation for Protecting Indochinese Tiger and Sumatran Rhinoceros at Kaeng Krachan National Park, Thailand” establishes a tiger and prey monitoring system for the park; support for Sumatran rhino sign surveys along the Thai-Burma border portion of the park; monitoring of wildlife for sale in markets near the park; and development of a Geographic Information System for the park. In partnership with Wildlife Conservation Society. USFWS \$36,490; Leveraged funds \$89,145.

“Continuation of Rhino Protection Units in Ujung Kulon National Park, Indonesia” protects the only Javan rhino population (approximately 50-60 individuals) remaining in Indonesia by continuing operation of two anti-poaching units in the park. In partnership with International Rhino Foundation. USFWS \$44,902; Leveraged funds \$91,319.

“Bukit Barisan Selatan Tiger Conservation Program: From Understanding to Action, Indonesia” conserves Sumatran tigers in Indonesia’s Bukit Barisan Selatan National Park through tiger/prey monitoring, habitat encroachment monitoring, tiger protection unit patrols, analysis of monitoring data and provision of training for data management. In partnership with Wildlife Conservation Society. USFWS \$39,238; Leveraged funds \$103,360.

“Monitoring Tigers and Their Prey Species in Kerinci Seblat National Park, Indonesia” provides park management with reliable information on population trends of tigers and their principal prey through the implementation of a monitoring program. In partnership with University of Kent. USFWS \$29,919; Leveraged funds \$36,252.

“Assessment of the Use of Grasslands by Local Communities on Rhino Habitat in Pabitora Wildlife Sanctuary, Assam, India” gathers baseline information required for effective management of the sanctuary’s grasslands and rhino population, raises awareness of local people on the need to protect the sanctuary’s grasslands and rhinos, and provides field gear to the sanctuary’s anti-poaching staff. In partnership with Dolphin Conservation Society. USFWS \$24,965; Leveraged funds \$6,216.

“Establishing Outreach Units at Key Protected Areas for the Long-term Conservation of a Sub-population of Tigers in the Tenasserim Range, Thailand” establishes outreach units at Kaeng Krachan National Park and Kuiburi National Park that liaise effectively with the local communities so as to win support of local people for

the parks' tiger conservation programs. In partnership with WWF-Thailand. USFWS \$32,283; Leveraged funds \$73,225.

“Equipping Protected Area Field Staff of Rhino Bearing Reserves with Anti-poaching Kits, India” creates a strong, motivated and well-equipped field force of forest guards so as to strengthen anti-poaching operations, and better conserve rhinos and their habitats. Two hundred field staff of Gorumara National Park and Jaldapara Wildlife Sanctuary in West Bengal will be provided field kits containing items needed in conduct of anti-poaching patrols and training relevant to law enforcement and patrolling. In partnership with Wildlife Trust of India. USFWS \$14,085; Leveraged funds \$186,868.

“Cambodian Community Wildlife Ranger Program” continues support for the operation of a network of ex-hunter community rangers and district police officers in the dry open forests of Mondulhiri Province to carry out anti-poaching and wildlife law enforcement, wildlife monitoring, and conservation awareness activities. In partnership with Cat Action Treasury USFWS \$46,000; Leveraged funds \$3,900.

“Building Community Support for Landscape Conservation in the Eastern Plains, Cambodia” builds ‘bottom-up’ community-based planning and resource management, thus ensuring community support for reducing threats to tiger and other key species from excessive hunting and habitat encroachment. In partnership with WWF-Cambodia. USFWS \$26,440; Leveraged funds \$35,381.

“Training Teachers and Other Educators in South Asian Tiger Range Countries to Teach How We Might Save the World’s Greatest Cat, Bangladesh” supports three Teachers for Tigers workshops to enhance the commitment, interest, and capability of teachers and other educators to train other teachers in effective tiger conservation education methods. In partnership with Zoo Outreach Organization. USFWS \$28,525; Leveraged funds \$43,650.

“Rhino and Tiger Conservation Education in North East India” develops positive attitudes toward conservation of rhinos, tigers, and their habitats among school children and villagers living in the vicinity of Assam’s Orang Wildlife Sanctuary, Pabitora Wildlife Sanctuary, and Manas National Park; and the state of Arunachal Pradesh’s Namdapha National Park. In partnership with Center for Environment Education. USFWS \$40,600; Leveraged funds \$8,200.

“Amur Tiger’s Fate is in Our Hands, Russia” supports workshops, celebrations, competitions, and puppet shows to raise environmental consciousness and promote a proactive environmental culture among adults, young people, and children to protect the Amur tiger and its habitat in Bikinskii, Lazo, Vyazemskii, Nanaiskii, and Sevetsko-Gavanskii districts of Khabarovskii Krai. In partnership with The Wildlife Foundation USFWS \$33,136 Leveraged funds \$27,400

“Awareness Campaign for Participatory Wildlife Conservation and Management”

implements an awareness campaign in 39 villages of the Melghat Tiger Reserve Multiple Use Area to create awareness about biodiversity conservation, the reserve, and opportunities for sustainable development. In partnership with Nature Conservation Society-Amravati. USFWS \$40,236; Leveraged funds \$4,023.

“Continuation of Sumatran Rhino Protection Units (RPU) in Peninsula Malaysia” protects Sumatran rhino in Peninsula Malaysia by carrying out law enforcement patrols, apprehending and prosecuting suspects, destroying traps and snares, and conducting community outreach in and adjacent to the rhino’s habitat on a regular and intensive basis. In partnership with International Rhino Foundation. USFWS \$50,000; Leveraged funds \$260,034.

“Siberian Tiger Project: Research and Action, A Two-pronged Approach, Russia” collects baseline data on the population dynamics and biomedical and genetic status of the tigers of southwestern Primorskii Krai, and assess how often these tigers cross the international boundary into China’s newly created Hunchun Tiger-Leopard Reserve. In partnership with Wildlife Conservation Society. USFWS \$30,000; Leveraged funds \$172,018.

“Genetic Analysis of the Javan Rhinoceros in Relation to Its Management, USA” continues support for the development of field faecal DNA collection techniques and molecular genetic methods needed to collect demographic and genetic data from both the Javan rhino populations in Indonesia and Vietnam. In partnership with Center for Environmental Research and Conservation (CERC), Columbia University. USFWS \$49,675; Leveraged funds \$30,800.

“The Year of the Tiger, Russia” provides for expenditures made by Lazovsky State Nature Reserve while implementing a tiger conservation education program for people living in the general vicinity of the reserve. In partnership with Lazovsky State Nature Reserve. USFWS \$1,084.

“Rhino Proof Electric Fence Ol Ari Nyiro Sanctuary, Northern Kenya” constructs a 50 square kilometer electrified rhino proof fence to help protect and conserve an important population of nine individuals of the eastern black rhinoceros in northern Kenya. In partnership with Gallman Memorial Foundation. USFWS \$35,121; Leveraged funds \$42,637.

“Acquisition of Equipment to Improve Security for Black and White Rhinoceros at the Ithala Game Reserve in KwaZulu-Natal South Africa” conducts anti-poaching patrols to protect and monitor 40 black and 60 white rhino present at the Ithala Game Reserve. In partnership with Ezemvelo KwaZulu-Natal Wildlife. USFWS \$50,000; Leveraged funds \$210,306.

“Comparison of the Contribution of Different Habitat Types to Black Rhinoceros Nutritional Status and Reproductive Potential” collects field data on black rhino nutrition, develops black rhinoceros carrying capacity models, and produces management

recommendations to improve black rhinoceros conservation strategies by maximizing growth rate of rhino populations. In partnership with University of Witwatersrand. USFWS \$30,000; Leveraged funds \$56,772.

“Security Equipment – Rhino Monitoring and Protection” supports law enforcement anti-poaching patrolling by the Lewa Wildlife Conservancy unit of 19 Kenya police reservists and 4 additional anti-poaching personnel, and also supports the rhino monitoring efforts of the 56-person rhino monitoring team that monitor each rhino on the conservancy on a daily basis. In partnership with Lewa Wildlife Conservancy. USFWS \$24,570; Leveraged funds \$122,110.

“Support to Black Rhino Project, North Luangwa National Park, Zambia – Training and Housing” continues support for the training of an additional 30 Zambian Wildlife Authority rangers to enhance security within the North Luangwa National Park black rhinoceros sanctuary, provide 30 permanent houses for the rangers and their families, and provide in-service paramilitary anti-poaching training to sixty ZAWA rangers already deployed in the park. In partnership with Frankfurt Zoological Society. USFWS \$20,000; Leveraged funds \$99,690.

“Toward More Effective Meta-population Management: Is Black Rhino Decline in Strategic Donor Reserves Caused by Ecological or Social Constraints or Competitor Substitution?” supports applied research so as to understand black rhinoceros olfaction, olfactory communication, behavior, and dispersal into new habitats as well as within source habitats after removal of conspecifics. This information is needed to help guide future translocation efforts that are conducted to allow black rhinoceros populations to increase in size as quickly as possible. In partnership with Zoological Society of San Diego. USFWS \$30,176; Leveraged funds \$99,831.

“Weenen Game Reserve Boundary Fence Upgrade” assures the containment and hence security of black (10) and white (50) rhinoceros in this 5000 hectare protected area by upgrading the integrity of 22 kilometers of boundary game inclusion fencing. In partnership with Ezemvelo KwaZulu-Natal Wildlife. USFWS \$18,053; Leveraged funds \$18,053.

“Black Rhino Anti-poaching and Monitoring in the Chyulu Hills, Kenya” improves rhino security and monitoring and provides three artificial water points so as to promote growth of the rhino population in the Chyulu Hills. In partnership with International Rhino Foundation. USFWS \$42,690; Leveraged funds \$103,533.

“Purchasing of Monitoring and Law Enforcement Equipment – Phongolo Nature Reserve, KwaZulu-Natal, South Africa” provides equipment to enhance the security of 30 white rhinoceros and a newly established population of black rhinoceros at the 10,485 hectare Phongolo Nature Reserve. In partnership with Ezemvelo KwaZulu-Natal Wildlife USFWS \$4,049 Leveraged funds \$74,464.

“Support for the Production and Dissemination of Pachyderm, the Journal of the IUCN/SSC African Rhino, Asian Rhino, and African Elephant Specialist Groups.”

publishes two issues of Pachyderm, a journal widely consulted and used to guide management actions applied for the conservation of African and Asian rhinoceros, African elephants, and the habitats they occupy. In partnership with The World Conservation Union. USFWS \$35,000; Leveraged funds \$16,499.

“Operation Black Ghosts, Phase I: Location and Identification of Black Rhinos in Northern Cameroon”

initiates field actions (determination of the sex, age, distribution, and location of western black rhinoceros in Cameroon) that are necessary to develop a recovery plan for this most threatened of black rhino subspecies. In partnership with Association Kilifori. USFWS \$25,000; Leveraged funds \$25,800.

“Support for Rhino Conservation at Sinamatella, IPZ, Hwange National Park, Zimbabwe”

supports anti-poaching patrolling by 18 rangers currently stationed at Sinamatella and the training of an additional newly recruited 7-10 rangers in rhino security and monitoring techniques, in order to reduce poaching of black rhinoceros in the park. In partnership with African Wildlife Foundation. USFWS \$32,500; Leveraged funds \$50,731.

“Establishment of a Rhino Sanctuary for the Breeding of White and Black Rhinoceros”

develops the infrastructure and security team needed to reintroduce the white and black rhinoceros to Uganda, a country where both species were once abundant. The project includes equipping and training 28 UWA rangers and then deploying them to the 80 square kilometer rhino sanctuary that is now under construction. In partnership with Rhino Fund Uganda. USFWS \$47,458; Leveraged funds \$239,000.

“Security and Protection of the Solio Ranch Rhino Sanctuary, Kenya”

supports law enforcement anti-poaching patrolling at the Solio Ranch Rhino Sanctuary by a Lewa Wildlife Conservancy security unit of 6 Kenya police reservists. In partnership with Lewa Wildlife Conservancy. USFWS \$18,307; Leveraged funds \$47,040.

Grant Modification

“Protection of Rhino and Elephant in Garamba National Park” added support to conserve the last 30 individuals of the northern subspecies of the white rhinoceros, now found only in Garamba National Park. In partnership with International Rhino Foundation. USFWS \$20,400.