

2014 ANNUAL REPORT

Wildlife Conservation Society



WCS

SAVING WILDLIFE AND WILD PLACES

FRONT COVER

WCS works to protect wild tigers across their range in Asia and has recently experienced conservation successes in India, Thailand and the Russian Far East, where the Amur tiger featured on our cover was photographed. The WCS Russia Program plays a critical role in monitoring Amur tigers and their prey species and minimizing potential conflicts between these majestic carnivores and human communities.

INSIDE COVER

2014 marked the 10th anniversary of Karukinka Natural Park. Managed by WCS, the reserve spans some 735,000 acres on the Chilean side of Tierra del Fuego. In addition to diverse species that include guanacos, elephant seals, and albatross, Karukinka boasts peatlands holding vast reserves of terrestrial carbon.

BACK COVER

WCS works to protect corals in seascapes across the globe. Healthy reefs are essential to sustainable fisheries and to the local fishers, like those pictured here, who depend on them for food and livelihoods.



MISSION

WCS saves wildlife and wild places worldwide through science, conservation action, education, and inspiring people to value nature.

VISION

WCS envisions a world where wildlife thrives in healthy lands and seas, valued by societies that embrace and benefit from the diversity and integrity of life on earth.





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ABOVE

One of several Indian peafowl that call the Bronx Zoo home. Commonly known as peacocks, they are native to South Asia.

RIGHT

Cristián Samper and Ward Woods during a 2014 field visit to Cambodia, where WCS has been working for close to two decades to protect iconic mammal and bird species such as tigers, Asian elephants, cranes, and ibises.

Dear Friends,

Zolushka, (Russian for Cinderella), captures the hearts of all who know of her. Far from a fairy tale, her story is a genuine tiger's tale; a reminder of the successes that conservation is achieving in the snowy Russian Far East.

Zolushka was a starving orphaned cub rescued in 2011 after her mother was killed, most likely by poachers. Scientists from WCS, led by Dr. Dale Miquelle, and the regional Russian Primorskii Wildlife Department rescued Zolushka to ensure she received veterinary treatment.

For 18 months, Zolushka's home was a federal tiger rehabilitation center, designed with technical assistance from WCS's Bronx Zoo General Curator Dr. Pat Thomas. Dr. Thomas made recommendations on facility design to improve safety and reduce the need for direct interactions between tigers and humans. The key to this rehabilitation: Ensure that the tiger's natural fear of humans remained intact; and provide her opportunities to learn to hunt live prey.

In May 2013, she was released into Bastak Reserve within the Jewish Autonomous Oblast, a region where tigers vanished 40 years ago due to habitat loss, poaching, and loss of prey. Through the months, WCS scientists and our Russian colleagues followed her movements using GPS and camera traps.

Today, she and five more tiger cubs that have since been released are re-colonizing this tiger habitat, frequenting places once roamed by Zolushka's ancestors. Her tracks and those of a male tiger (which appears to have dispersed into the region) suggest that the prince has found his Cinderella. If cubs are born, it will be the ultimate sign of success in returning tigers to this once empty landscape.

This story is poignant for WCS. It highlights the expertise in our global conservation program and in our zoos and aquarium. It shows how both sides of our organization—in this story represented by Dr. Miquelle and Dr. Thomas—work together along with partners to save wildlife.

At a time when conservation news often leaves us without hope, this story reminds us that with the help of our supporters and partners we can make a difference.

Across the nations where tigers roam, we are seeing other successes, including in India and Thailand, where tiger populations have in some landscapes stabilized or expanded. Government and conservation action informed by science have enabled Nagarhole, India, for instance, to experience a 300 percent increase in its tiger population over two decades.



Other highlights in 2014:

- Stricter regulations of ivory were introduced in the U.S., and ivory-sale bans were passed in New Jersey and New York. WCS's 96 Elephants campaign with 191 partners (125 of which are zoos!) created the awareness needed to pass these restrictions.
- WCS led the discovery of an easier way to detect Ebola antibodies among wild apes. Through fecal testing, researchers can identify populations exposed to the virus, eliminating the need for riskier animal capture and blood-and-tissue sampling.
- The WCS New York Aquarium broke ground on *Ocean Wonders: Sharks!*—a 57,000-square-foot exhibit and our New York Seascape initiative to conserve wildlife in nearby waters.
- Península Valdés, in Argentina's Patagonia region, was declared a biosphere reserve by UNESCO, increasing legal protection for wildlife by more than 4 million acres and expanding that protection 12 miles into the sea.
- A treaty among U.S. Tribes and Canadian First Nations—the first of its kind in 150 years—established intertribal cooperation in restoring bison to their native land.
- The government of Gabon announced it would create a marine-protected-area network of 10 marine parks covering 18,000 square miles; and the government of Bangladesh created that country's first marine protected area.
- At the Conference of Parties in Ecuador, 21 species of sharks and rays were listed under the Appendices of the Convention on Migratory Species.

We look forward to working with our partners in 2015—the 120th anniversary of WCS—and to keeping a close eye on the adventures of Zolushka.

Ward W. Woods
Chair of the Board

Cristián Samper
President & CEO

OUR CONSERVATION FOOTPRINT



THE WILDLIFE CONSERVATION SOCIETY'S 15 GLOBAL PRIORITY SUB-REGIONS

1. Arctic Beringia

Arctic coasts and seas of Alaska, Western Canada, and Russia

2. Rocky Mountains

North American coniferous forests

3. East-Central Boreal

Adirondacks, Northern Ontario, and boreal forests

4. New York Seascap

Coasts and seas of the mid-Atlantic

5. Mesoamerica and Western Caribbean

Forests, coasts, and coral reefs in Belize, Cuba, Guatemala, Honduras, and Nicaragua

6. Western Amazon and Orinoco

Forests, grasslands, and wetlands of Bolivia, Brazil, Colombia, Ecuador, Peru, and Venezuela

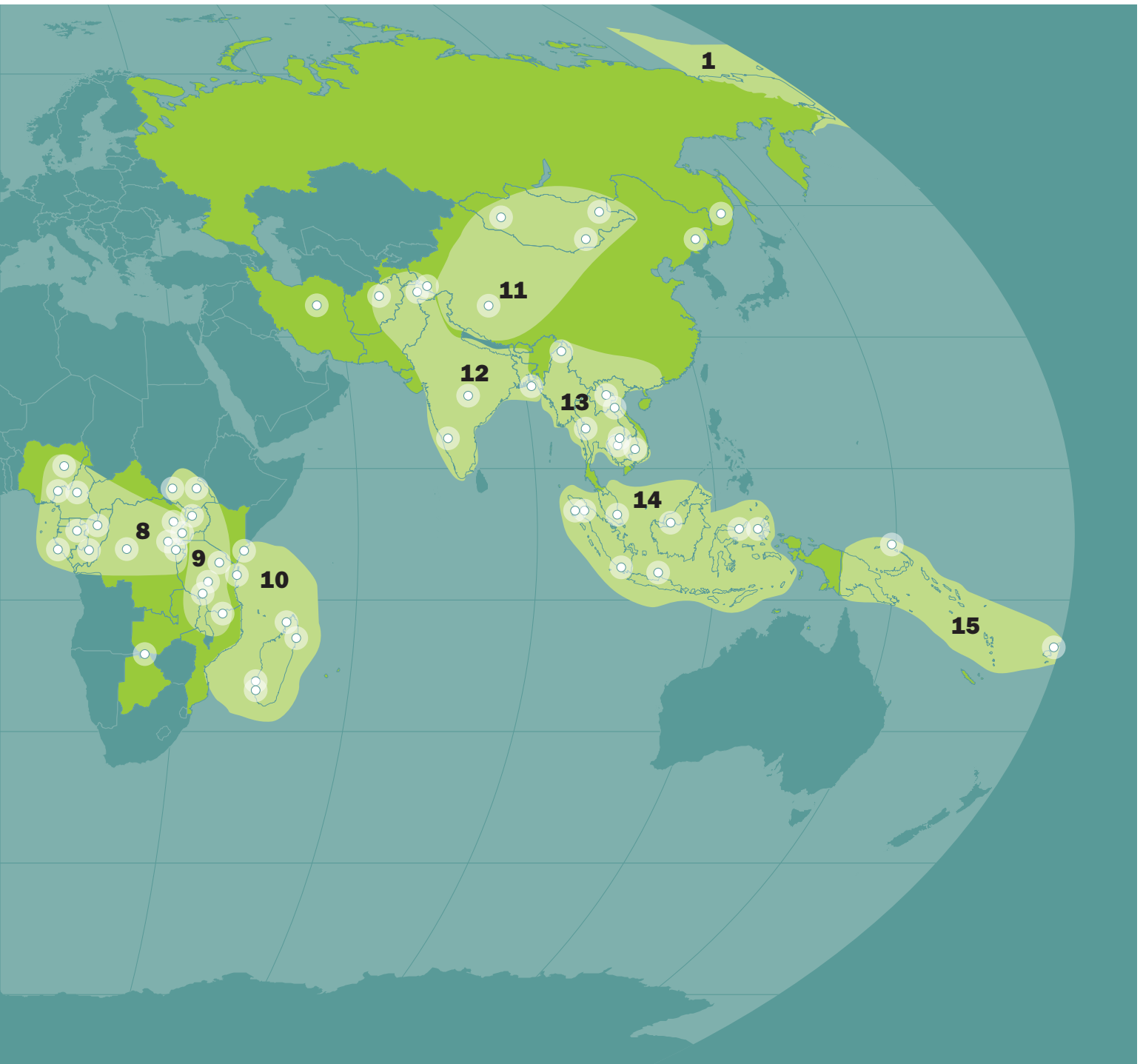
7. Patagonia

Coasts of Argentina and Chile

8. Congo Basin and Coast

Forests and coast, including Burundi, Cameroon, Democratic Republic of Congo, Equatorial Guinea, Gabon, Nigeria, Republic of Congo, Rwanda, and Uganda

WCS: 2020 GLOBAL PRIORITY SUB-REGIONS



9. Eastern African Forests and Savannah

Savannah, woodland, and forest including Kenya, Mozambique, South Sudan, Tanzania, Uganda, and Zambia

10. Western Indian Ocean and Madagascar

Coral reefs and island forests of Kenya, Madagascar, Mozambique, and Tanzania

11. Temperate Asia Grasslands

Grasslands, forests, and mountains of Central and Northeast Asia

12. South Asia

Bangladesh, Bhutan, India, and Nepal

13. Greater Mekong and Coast

Cambodia, Laos, Myanmar, Thailand, and Vietnam

14. Indo-Malaya

Forests, coasts, and reefs of Indonesia and Malaysia

15. Melanesia

“Ridge to reef” in Fiji, Papua New Guinea, Solomon Islands, and Vanuatu

Q&A

Stacy Jupiter

As a child she dreamed of serving in the Peace Corps and becoming a marine biologist. Fulfilling both goals prepared Stacy Jupiter well for her work as WCS Melanesia Director. Here she discusses ecosystem-based reef management, the thrill of not having a fixed daily routine, and the creation of a comic book inspiring Fijian kids to care for their ocean environment.

How long have you been with WCS and how did you come to work here?

Since I was a teenager, I knew two things: first, that I was determined to become a marine biologist; and second, that I was going to join the Peace Corps. In 1997, having wrapped up a degree in biology, I took off for the rain forest of Gabon to teach people how to build tilapia ponds. There was no ocean in my Peace Corps adventures, but there were fish, and the experience opened my eyes to the value of working with coastal communities to manage natural resources. Finishing my Ph.D., I met WCS's Peter Walsh, who was documenting the decline of great ape populations in the Congo Basin. WCS's boots-on-the ground approach inspired me to find a way to work for this great organization. In 2008, I was hired by the WCS Fiji program.

Were you interested in wildlife as a kid?

I have always loved animals and nature. Most girls spend time playing with dolls. I couldn't stand dolls, but I had a massive collection of stuffed animals. When I was 12, I spent part of a summer creating a mural on one wall—it was a rain forest meets reef-scape. Looking back, it was an ecologist's nightmare. I used our World Book Encyclopedia for reference and ended up with a mosaic of sulphur-crested cockatoos from Australia, toucans and macaws from the New World tropics, and a pink flamingo standing amidst reef fishes from the Caribbean and Indo-Pacific. It seems fitting now that I've come full circle and spend my time working on conservation from rain forests on the ridges to fisheries on the coral reefs.



What challenges are driving WCS's work in Fiji?

Fiji is only one of 14 independent Pacific Island nations that comprise Oceania. The challenges that drive our work there are shared across the region—habitat loss and degradation (for example, from coastal development), invasive species, unsustainable extraction of natural resources, pollution, diseases linked to environmental change, and impacts from human-forced climate change. In developing community-based management plans to sustainably manage natural resources, we spend a lot of time around the kava bowl with local people discussing how to address threats to clean water and healthy fisheries and other ecosystem services.

Can you tell us a bit about your daily routine?

The best thing about my job is that there is no routine! Every day is completely different, which is both exciting and challenging. I might be surveying coral reefs, presenting conservation plans to government officials, developing a documentary, facilitating management-planning workshops, writing scientific papers, or meeting with donors. I always try to squeeze in some exercise. I've spent a lot of time at sea in small boats. Safety often depends on being fit. When I saw that some of our marine staff were not great swimmers, I started scheduling lessons at the nearby pool to make sure everyone could survive if our boat got into trouble.

How does WCS work with the Fiji government?

I have served on several committees advising on environmental policy. As part of the Protected Area Committee, I helped lead efforts to better

ABOVE

WCS Melanesia Director
Stacy Jupiter.

RIGHT

The hawksbill turtle that swam at length with Stacy on a diving trip to the island of Gau. Because sea turtles are hunted by humans they tend to fear divers, so this behavior was very unexpected.

“We spend a lot of time around the kava bowl with local people discussing how to address threats to clean water and healthy fisheries and other ecosystem services.”

secure Fiji’s land and sea ecosystems. When we found that the locations the committee was considering for protection did not include key forest-habitat types, we provided recommendations to improve protection for sensitive vegetation types as well as for downstream reefs. Some of these recommendations were adopted and endorsed by Fiji’s National Environment Council in 2013. We expect that when funding becomes available to establish new protected areas in Fiji, it will go to these important locations.

Tell us about your role with Fiji’s first district-level ridge-to-reef management plan.

When I joined the WCS Fiji program, we were not really engaged in the ecosystem-based (“ridge to reef”) management-planning process we had a grant to undertake in Kubulau District. We were not looking at how upstream ecosystems were linked to those downstream or how actions outside of the parks and reserves influenced the ecology within. We worked with representatives of all 10 of the villages of Kubulau District to identify what they wanted to manage on the land and in the sea, what factors were negatively affecting local species and resources, and what actions they could take to minimize impact. In June 2009, Kubulau’s chiefs endorsed Fiji’s first ridge-to-reef management plan, a model now being replicated.



What do you find most challenging about your work?

In my previous position in Australia, every day when I woke up I knew what was going to happen. I missed the unpredictability of life that I’d experienced in Africa, which pushes you to your limits to come up with creative solutions for everyday problems. On any given day in Fiji, flights or ferries may be canceled, a tropical cyclone may make landfall, the dive compressor may break (a regular occurrence), the bottom third of our outboard engine may inexplicably fall into the sea, our fieldwork might be called off because of village funerals or typhoid outbreaks—any and all of these have happened. How you cope with these unforeseeable events really shapes your character.

What is your proudest achievement?

We produced a comic book with funding from Disney. “The Adventures of Joji Goby” is a *Finding Nemo*–like tale in which a precocious goby, born in the headwaters of a Fijian stream, loses his siblings after they migrate out to sea as larvae. Stuck with an intrepid crab and a ditzy snail, Joji makes his way back upstream to find his family. Along the way, they encounter a number of threats we have shown to have a major impact on Fiji’s freshwater fish. The kids loved it, and the effect was immediate. We heard of students telling their teachers that the school gardens were planted too close to streams and going to pick up garbage in their communities.

What is your favorite wildlife moment?

I once went on a 10-day diving trip with staff and volunteers from the New England and Monterey Bay aquariums just off the island of Gau. I spotted a small hawksbill turtle that slowly came back toward me. I put my hand on its carapace (or shell), and we swam together for nearly 40 minutes, soaring over the reef. If I paused to take a picture of another creature swimming by, it would give me a look as if to say, “Hey, pay attention to me!” Turtles are hunted in Fiji despite a moratorium on killing them, so typically they flee at the site of humans. So this was incredibly unusual behavior.



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(March 1, 2015)

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RIGHT

WCS Trustees traveled to several WCS field sites in 2014 to observe how our conservationists are working on the ground to protect wildlife and wild places. These images capture trips to Cambodia, Mozambique, Tanzania, and Yellowstone National Park.

WCS Council

The WCS Council, which was launched in January 2014, brings together a core of WCS supporters to help advance our mission and provide leadership support as we expand our programs and initiatives.

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Pamela M. Thye



WCS LEADERSHIP



LEFT

WCS Executive Leadership Team

Top: John Calvelli, Jim Breheny

Middle: Mary Dixon, Cristián Samper, Felicia Hamerman

Front: Robb Menzi, John Robinson, Patti Calabrese, Chris McKenzie, Bertina Ceccarelli

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Executive Vice President and Chief Operating Officer

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Executive Vice President & General Director, Zoos and Aquarium, and Jonathan Little Cohen Director of the Bronx Zoo

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Executive Vice President for Administration and Chief Financial Officer

John F. Calvelli
Executive Vice President for Public Affairs

Bertina Ceccarelli
Executive Vice President for Global Resources

John G. Robinson
Executive Vice President for Conservation and Science and Joan O. L. Tweedy Chair in Conservation Strategy

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Senior Vice President, General Counsel

Susan Lieberman
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Felicia Hamerman
Special Assistant to the President and CEO & Board Liaison

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Vice President & General Curator, Associate Director, Bronx Zoo

Paul P. Calle
Chief Veterinarian & Director Zoological Health

Bonnie Raphael
Department Head, Clinical and the Marilyn M. Simpson Distinguished Veterinarian

D McAloose
Department Head, Pathology and Schiff Family Distinguished Scientist

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Donal Boyer
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David Oehler
Curator, Ornithology

Nilda Ferrer
Curator and Registrar

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Vice President and Director of the New York Aquarium

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Executive Director, Aquarium Construction

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General Curator and Director of Animal Operations

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Curator of Animals

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BRONX ZOO FACILITIES

Robert J. Gavlik
Executive Director

2014 LEADERSHIP TRANSITION

- We extend special appreciation to Patti Calabrese, who retires as Executive Vice President for Administration and Chief Financial Officer after 15 years of extraordinary service. During her tenure with WCS, Patti established an exceptionally high level of professionalism throughout the organization. She helped to lead WCS through several challenging times: 9/11, the 2008 global economic crisis, and Hurricane Sandy. In addition to her effective management during times of crisis, Patti masterfully worked with management and board leadership to enhance WCS's financial strength and improve management systems.
 - Robert G. Menzi joins WCS on March 1, 2015, as Executive Vice President and Chief Operating Officer. Robert brings to WCS 30 years of experience working in nonprofit management, international development, and the financial and for-profit sectors. Just previous to joining WCS, Robert worked at the National Fish and Wildlife Foundation (NFWF) in Washington, serving as its Executive Vice President and Chief Financial Officer.
- Transitions in our Global Conservation Program in 2014:**
- Josh Ginsberg left WCS after 18 years of service to become President of the Cary Institute of Ecosystem Studies. Josh was a key player in the expansion and management of our global portfolio.
 - Joe Walston was appointed Vice President for Field Conservation, overseeing our Marine Conservation program; the regional programs for Africa, Asia, Latin America, and North America; the Wildlife Health and Health Policy Program; and the Conservation Measures Program..
 - James Deutsch was appointed Vice President for Conservation Strategy, supporting the design, communication, and fundraising for our conservation programs.

GLOBAL CONSERVATION

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Dale Miquelle
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Anak Pattanavibool
Thailand Country Director

Scott Robertson
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Executive Director

Mariana Varese
Director, Western Amazon

Graham Harris
Argentina Country Director

Lilian Painter
Bolivia Country Director

WCS LEADERSHIP



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Bárbara Saavedra

Chile Country Director

Padu Franco

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Kerry Prendergast

Director

LEFT

The Bronx Zoo's Astor Court is a designated New York City Landmark consisting of two grand stairways and six limestone and brick neoclassical style buildings surrounding a central plaza. WCS's principal administrative offices are located there.

ABOVE RIGHT

Says WCS Vice President of Planning & Design and Chief Architect Susan Chin, "Our exhibits are designed to be living embodiments of WCS's mission and values—connecting visitors to wildlife, encouraging them to consider their relationship to nature, and inspiring them to care."

RIGHT

As director of the WCS Chile Program, Bárbara Saavedra is responsible for all WCS activities in the country—including management of the Karukinka Reserve in Tierra del Fuego, which celebrated its 10-year anniversary in 2014.

FAR RIGHT

WCS Malaysia Program director Melvin Gumal was a 2014 winner of the prestigious Whitley Award for Conservation. Melvin was recognized for his efforts to increase the amount of Bornean orangutan habitat under protection in the Engkari-Telaus Community Conservation Landscape in Sarawak and for creating an environment where these great apes can thrive alongside local communities.

BELOW RIGHT

WCS Zoological Health Program Pathology Head D McAloose observes, "Finding and characterizing microscopic organisms that play a significant role in animal health (viruses, for example) is as exciting to me as finding a new primate species might be to our field biologists. And it's equally important to conservation."



The Essence of Our Strength

In 2013, we developed a seven-year plan, WCS: 2020. The plan includes three core strategies:

- We **DISCOVER** and understand priority wildlife and wild places through **science**.
- We **PROTECT** priority wildlife and wild places through **conservation action**.
- We **INSPIRE** people to care about wildlife and wild places through **education and public engagement**.

In support of these core strategies: We are **building a stronger platform**, including strengthening our workforce, growing financial support, and improving management systems; and we are **leveraging resources** through partnerships and public policy.

Our history spans 12 decades. We are focused on our mission to save wildlife and wild places worldwide through science, conservation action, education, and inspiring people to value nature.

Through the years, our zoos and aquarium have been leaders in providing individual animals with exceptional care while ensuring viable populations and species sustainability for future generations. We have hosted 400 million visitors at our zoos and aquarium, providing for many the only opportunity they will ever have to see wildlife. We have inspired millions to care about nature and we are supporting conservation field programs around the globe.

Our global field work has expanded to more than 60 nations and all the world's oceans. WCS uses science and field conservation—leveraged by hundreds of partnerships—to achieve our goals. Whether a given program is aimed at protecting a species or a landscape or the sea—our efforts help communities conserve the nature that surrounds them and supports them.

And that's the essence of our strength: combining the power of field conservation, our zoos and aquarium, and partnerships to achieve our goal: the conservation of 50 percent of the world's biological diversity while ensuring a positive impact on millions of people globally.





Q&A

Stephen Sautner

Executive Director of Communications Stephen Sautner celebrates 20 years with WCS this year. Despite technological changes during that time, Stephen says earned media placement still depends on good storytelling and reporter relationships. He recently shared with us some career highlights and proud moments, including his first “century day,” when he recorded more than 100 bird species.

What brought you to WCS?

I came from a small environmental group trying to stop ocean dumping off the New Jersey coast. I'd honed many of the same skills I'd need at WCS, including the ability to engage the news media and make complex science inspiring to a public audience. Those core PR skills remain essential despite the rapidly changing world they are used in.

How did you become interested in conservation?

As a kid growing up in New Jersey, I loved the outdoors. I caught frogs, butterflies, and turtles in the woods. Then I discovered fishing, which became a portal to another world that also taught me conservation lessons. I've seen some fisheries collapse, never to recover. I've learned that PCBs and mercury pollution made some species potentially unsafe to eat. And I've seen how conservation efforts can help species like the striped bass to recover. All of this made me realize that humans can have a profound impact on their environment, both negatively and positively.

Did you visit WCS's zoos and aquarium as a child?

I have a direct link to the Bronx Zoo since my parents got engaged there in the late 1950s in front of the polar bear exhibit. In grade school we took a field trip to the New York Aquarium, and I remember how I couldn't have been more excited than if we were going to take a rocket ship to the moon. The old electric-eel exhibit, where the eel's voltage was measured on what looked like a giant thermometer, was really cool.



What was it like moving from a local advocacy organization to WCS?

I was already pitching and placing articles on environmental issues, so working on conservation and wildlife stories was a natural progression. But my responsibilities changed from the New Jersey coast to the entire planet! When I first started at WCS, I admittedly had never heard of many of the species we were saving. For instance, I had no idea what a lemur was (this was before the *Madagascar* movies). But, in a way, this initial lack of knowledge has worked to my advantage—forcing me to be a clear communicator and never assuming a reporter knows the jargon of conservation.

Where did you study?

I earned a degree in journalism from Rutgers. I took a class called Environmental Ideology and the Media and realized that's what I wanted to do. I had a minor in natural-resource management, which was fun and allowed me to spend time in the field. The hardest class I took was not a writing course but dendrology—the study of trees. The class began easily, with the professor pointing to a maple in full foliage and asking us to identify it. By December the leaves were gone. We had to identify twigs. That was a tough class, but now I can tell you a river birch smells like root beer. I took a birding class as an elective. The last day of class I experienced my first “century day”—seeing and recording well over 100 species.

ABOVE

WCS Executive Director of Communications, Stephen Sautner.

RIGHT

Stephen played the role of an ivory appraiser in a successful effort to discourage the PBS television program *Antiques Roadshow* from valuing ivory on-air.

“Keeping up with technology gives us an opportunity to become our own news-generating organization rather than relying on journalists to report the news for us.”

Can you tell us a bit about your daily routine?

My workday can be incredibly variable, though most of the time it begins with e-mails from all over the world. I love hearing from our conservationists, and it is an honor to help communicate their work to the public. Then there is a lot of writing, working with reporters, and collaborating with staff throughout the organization to maximize the impact of the stories we tell. Other times, I have found myself doing things that were not in my job description, like when I played an ivory appraiser last year for the “Vintage Horror Show” video—a spoof of the *Antiques Roadshow* program.

What do you find most challenging about your work?

In 1995, the state-of-the-art technology to reach reporters was the fax machine. When I tell this to younger people, they look at me like I’m a frontiersman waxing nostalgic about the Pony Express. Keeping up with technology and the changing media landscape is a constant challenge. But this also gives us tremendous opportunity to become our own news-generating organization rather than relying solely on journalists to report the news for us. We’ve been doing this more and more with blogs we write ourselves and publish on the *Huffington Post*, in *National Geographic*, *LiveScience*, and others. But there is also potential for creating multi-media presentations to send directly to news outlets. It’s something the Communications Department will be doing more and more. The possibilities are really exciting.

How are you able to get the attention of high-level journalists in such a competitive media environment?

Despite all the rapid changes in technology, maintaining personal relationships with reporters remains extremely important. If a reporter won’t answer an e-mail or take a phone call, it doesn’t matter how much high-tech gadgetry you have to deliver your message. There are some reporters on my press list whom I have known for nearly 20 years now. I know them on a first-name basis and have built trust with them over the years. They rely and depend on WCS to give them high-quality, science-based stories.

What makes you passionate about your job?

Spending time with our field staff and our zoo and aquarium staff and seeing the passion they have for wildlife is really inspiring. I’m always amazed at their depth of knowledge. A member of the public e-mailed me once looking to identify a swatch of an animal skin he had purchased at a thrift store. The photo he sent looked like a generic piece of cowhide. But I forwarded it to Pat Thomas, WCS Vice President & General Curator and Associate Director of the Bronx Zoo. It turned out to be from a springbok—a type of African antelope. I’m still amazed Pat knew that.

What is your proudest achievement?

A WCS scientist once said our communications work helps save tigers—that it’s as important as field conservation because it tells the world what we’re doing and engages donors and partners. That meant a lot. One particular effort comes to mind. In 2007, the late WCS field herpetologist John Thorbjarnarson asked if I would try to place a story in *The New York Times* on how China should bring together their remaining male Yangtze softshell turtles and a female for breeding. The story wound up on the front page. Soon after, the Chinese government brought the turtles together to breed. It has not yet been successful, but I remain hopeful!



“The beauty and genius of a work of art may be reconceived, though its first material expression be destroyed, but when the last individual of a race of living things breathes no more, another heaven and another earth must pass before such a one can be again.”

—WILLIAM BEEBE, AMERICAN NATURALIST, ORNITHOLOGIST, EXPLORER



2014 WCS STORY

120 Years of Making an Impact

The approach of our 120th anniversary in 2015 offers an opportunity to reflect on 12 decades of dedicated conservation action that have helped WCS make a lasting impact on the protection of wildlife and wild places on our planet. In its earliest days, WCS—then, the New York Zoological Society—led the way in securing grazing land for bison hunted to near extinction as well as the passage of laws to prohibit both the hunting of seals off Alaska’s Pribilof Island and the killing of birds for the use of their plumage in hats. In the years that followed, the Bronx Zoo led the transition of the modern zoological park from a poorly equipped menagerie to an institution of science and conservation education, with the highest standards of husbandry and a commitment to conserve species threatened in the wild. Today, that mission is reflected in the 245 parks WCS has helped to create globally and the more than 400 million guests we have received at our New York City zoos and aquarium since our founding. It is reflected as well in our recent 96 Elephants campaign to raise awareness of the devastating traffic in illegal ivory and the reintroduction of Critically Endangered Puerto Rican crested toads bred at WCS’s Queens Zoo to their namesake island habitat. These stories and more in the following pages demonstrate WCS’s unwavering commitment to Discover, Protect, and Inspire.

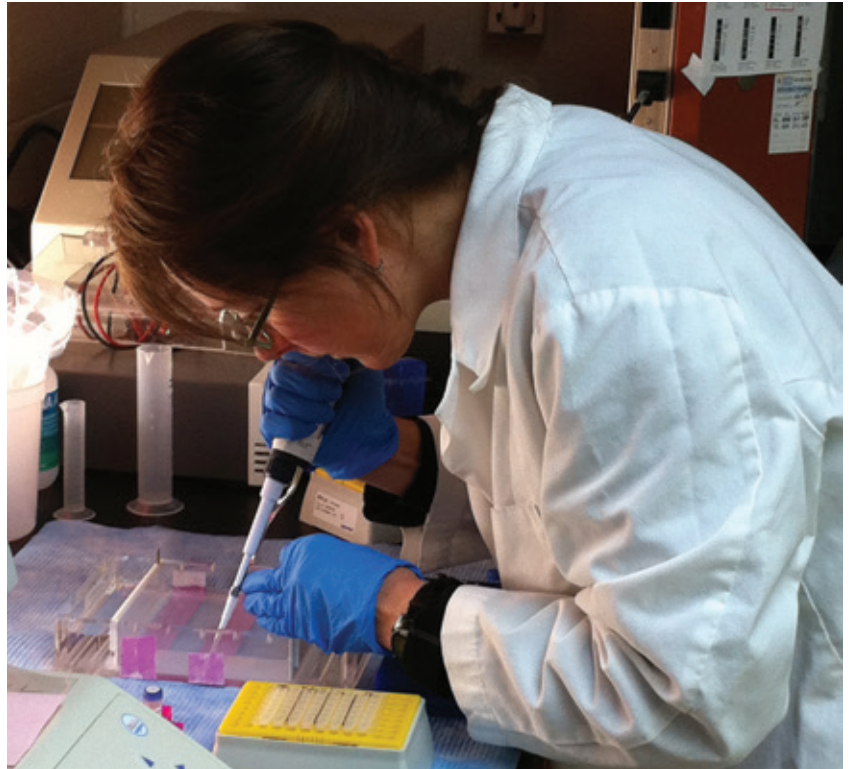
LEFT

Founding Bronx Zoo ornithology curator, naturalist, and explorer William Beebe sits atop the Bathysphere in which he descended a record-setting 3,000 feet in 1934 with the submersible's designer, Otis Barton.

QUICK LINKS: [20 Discover](#) [22 Protect](#) [28 Inspire](#)

Have Lab, Will Travel

As a molecular biologist for WCS's Zoological Health Program, Dr. Tracie Seimon is on the go. Having perfected the art of packing up and reassembling her laboratory in WCS global project sites, Dr. Seimon can provide rapid genetic testing and analysis to guide conservation action on the ground that might otherwise take months. In the past five years alone, Dr. Seimon and her team have discovered a dozen new viruses. The portability of molecular technology is continuously changing. One device—a DNA replicator that 20 years ago covered a tabletop—may soon be reduced to the size of an iPhone.



Breaking Through on Ebola Detection

WCS is working in Central Africa to identify and implement strategies to mitigate the impact of Ebola virus disease (EVD) on ape populations and reduce human outbreaks. In the fall of 2014, WCS announced a potential game changer in the study of Ebola virus: a new detection method that uses fecal samples from wild great apes to identify populations likely to have been exposed to the virus. This method could redefine the way Ebola is studied and improve understanding of the mysterious virus's distribution—a matter of great importance to both the human health and conservation communities.





DNA Research Reveals Stunning Results for Whale Conservation

The WCS Ocean Giants team used DNA analysis this year to identify unique populations of blue and humpback whales. In the former case, they determined that two populations of blue whales exist in the waters of the southeastern Pacific. The second study confirmed that humpback whales inhabiting the Arabian Sea are the most genetically distinct and isolated population of humpback whales in the world and may have remained separate from other humpback populations for 70,000 years. Both findings provide essential science informing conservation management and policy at a time when whales face growing threats to their habitats.



Scientists Discover “Talking” Turtles in Brazil

WCS scientists and partners working in the Brazilian Amazon have discovered that Giant South American river turtles make a variety of sounds associated with social behavior, including signals used by females to call to their newly hatched offspring. It is the first documented case of parental care post-hatchling in turtles. The study, published in the journal *Herpetologica*, was led by WCS’s Camila Ferrara. The research team used both microphones and hydrophones—in the air and underwater—to detect 2,128 sounds in 380 hours of recordings of adults and hatchlings.

Protecting 18,000 Square Miles of Gabon's Coastal and Offshore Ecosystems

The African nation of Gabon has committed to a new marine protected-area network that will cover 23 percent of the country's territorial waters and exclusive economic zone, safeguarding more than 20 species of whales and dolphins, four species of marine turtles, and more than 20 species of sharks and rays. The extensive spatial plan relied on data collected over two decades by WCS Gabon and conservation partners. The Waitt Foundation's partnership with WCS has also played a critical role in advancing these efforts.



Protecting 67,000 Square Kilometers of Wilderness in Canada's Peel Watershed

WCS Canada's Don Reid led a conservation assessment that informed the decision by the Peel Watershed Commission to recommend the protection of 80 percent of this region in Yukon, Canada. The 67,000-square-kilometer watershed is one of the last true wilderness regions in Canada's boreal mountains and is the spiritual heartland of four First Nations tribes. The Yukon government had sought to limit protection to less than a third of the area, but this year the Yukon Supreme Court upheld the Peel Commission's plan.





New Afghanistan National Park 25 Percent Bigger than Yellowstone

This year the Afghanistan government took the bold step of establishing the entire Wakhan District—one of the most remote areas of Afghanistan—as the nation’s second national park. Wakhan National Park will protect over 70 percent of snow leopard habitat in Afghanistan and will bring desperately needed services to some of the poorest and most isolated people in the country. It also shows Afghanistan’s continued commitment to protect

its biodiversity and its determination to move forward and realize a bright future for the country. WCS has been conducting conservation and governance-building work with local communities in the Wakhan District since 2006. We were actively involved in providing technical support to the Afghan government for the establishment of Wakhan National Park.

Sniffer Dogs Help Catch Wildlife Traffickers in the Congo

PALF (Project for the Application of Law for Fauna), a pioneering partnership of WCS and the Aspinall Foundation, launched a “sniffer dog” program in March 2014 in the Republic of Congo that works with local authorities to detect illegal wildlife products being transported in and out of the country. A month later, PALF assisted in the seizure of approximately 40 animals, including monkeys, antelope, and porcupine, at the Maya-Maya International Airport in Brazzaville. The deployment of sniffer dogs at key transit points—on roads, in ports, and in airports—has proved effective. Where it might take hundreds of person-hours to inspect luggage manually, a dog can sniff out illegal items in just seconds.



Need to Detect Illegal Wildlife Parts? There's an App for That!

Smugglers of illegal wildlife parts have until recently been largely able to slip past unsuspecting or unknowledgeable customs officials. At most points of entry in Asia, for instance, law-enforcement officers have only minutes and sometimes just seconds to decide whether or not to let an item through a security checkpoint. Fortunately, authorities now have new mobile apps developed with WCS's leadership to push back against traffickers, including Wildlife Guardian (in Chinese) and Wildlife Alert (in English)—both available for iOS and Android systems. Mobile apps, which we tend to associate with ordering food, paying bills, and checking traffic patterns, are now helping law-enforcement staff to identify hundreds of illegally traded wildlife species.





Stabilizing Lion Populations in Uganda's National Parks

Working with wildlife officials in Uganda, WCS is stabilizing the nation's two largest lion populations—one in Murchison Falls National Park and the other in Queen Elizabeth National Park. Conflict with humans has placed the lions at risk of local extinction, which would harm ecosystems and tourism. In Murchison, WCS is helping to expand the collection of snares, the greatest threat to lions in the park. In Queen Elizabeth, WCS is incentivizing pastoralists to keep their cattle out of the park to reduce the killing of lions with poison in retaliation for livestock loss. No poisonings were reported for 2014, and lion numbers remain stable in both parks.



Four Million Acres Supporting Unique Biodiversity Protected in Coastal Argentina

Argentina's Península Valdés was declared a biosphere reserve this year by the United Nations Environmental, Scientific, and Cultural Organization (UNESCO). WCS played a critical technical role in the designation. Península Valdés protects a tremendous variety of seabirds (including 70,000 pairs of Magellanic penguins), marine mammals (including the largest breeding colony of southern elephant seals in South America and nearly 4,000 southern right whales), and inland species, like guanaco and Darwin's rheas. The designation ensures the region will work to reconcile sustainable economic growth, social development, and environmental protection.

The Largest Confiscation to Date of Illegal Manta Ray Parts in Indonesia

WCS has prioritized saving sharks and rays as part of a global commitment to promote the recovery of depleted and threatened populations of marine species, halt the decline of fragile marine ecosystems, and improve the livelihoods of coastal communities along the world's oceans. In November, the Ministry of Marine Affairs and Fisheries of the Republic of Indonesia and the WCS Wildlife Crimes Unit announced the largest confiscation of illegal manta ray parts as part of a major enforcement action against the illegal trade of sharks and rays in Indonesia, home to the largest shark fisheries on earth.



200 Percent Increase in Hawksbill Sea Turtles in Nicaragua's Pearl Cays Seascape

WCS Nicaragua has reported a dramatic increase in nesting activity of Critically Endangered hawksbill sea turtles in the Pearl Cays of the Caribbean coast, including the highest nest counts since a WCS conservation project began there in 2000. The total nest count for hawksbill sea turtles within the project area has increased some 200 percent, from 154 to 468 over the last 14 seasons.





Reintroducing Critically Endangered Puerto Rican Crested Toads to the Wild

In recent years, the population of adult Puerto Rican crested toads, found only on the island's Guánica National Forest, had shrunk to fewer than 3,000. With the Critically Endangered species under threat from habitat loss and predation, WCS's Queens Zoo embarked on a collaborative effort with the Association of Zoos and Aquariums to save it from extinction. Rainy season conditions were simulated with misting chambers and recorded breeding calls were played in the background to initiate courtship and mating. Approximately 2,400 tadpoles produced at the Queens Zoo were then sent this year to Puerto Rico, where local biologists introduced them to their rocky habitat.



Celebrating a Decade of Conservation in Karukinka

2014 marked the 10th anniversary of Karukinka Natural Park. Donated by Goldman Sachs, the park represents one of the largest gifts of private lands in history. Managed by WCS, the reserve spans some 735,000 acres on the Chilean side of Tierra del Fuego, including the world's southernmost stands of old-growth forests and massive peatlands holding vast reserves of terrestrial carbon.

Karukinka supports significant Patagonian wildlife, including 60 percent of Chile's guanacos (one of two camel species native to the Americas), as well as Andean condors and endangered culpeo foxes. Lying seaward of Karukinka is Admiralty Sound, which supports Chile's only breeding colony of elephant seals and its only inland nesting colony of black-browed albatross, as well as dolphins and other marine fauna.

After acquiring this land and becoming aware of its tremendous ecological importance, Goldman Sachs decided to conserve it in perpetuity for future generations. "The Wildlife Conservation Society has been an outstanding steward of Karukinka, and these 10 years of collaborative work can be a model for other public-private partnerships," said Goldman Chairman and CEO Lloyd Blankfein.

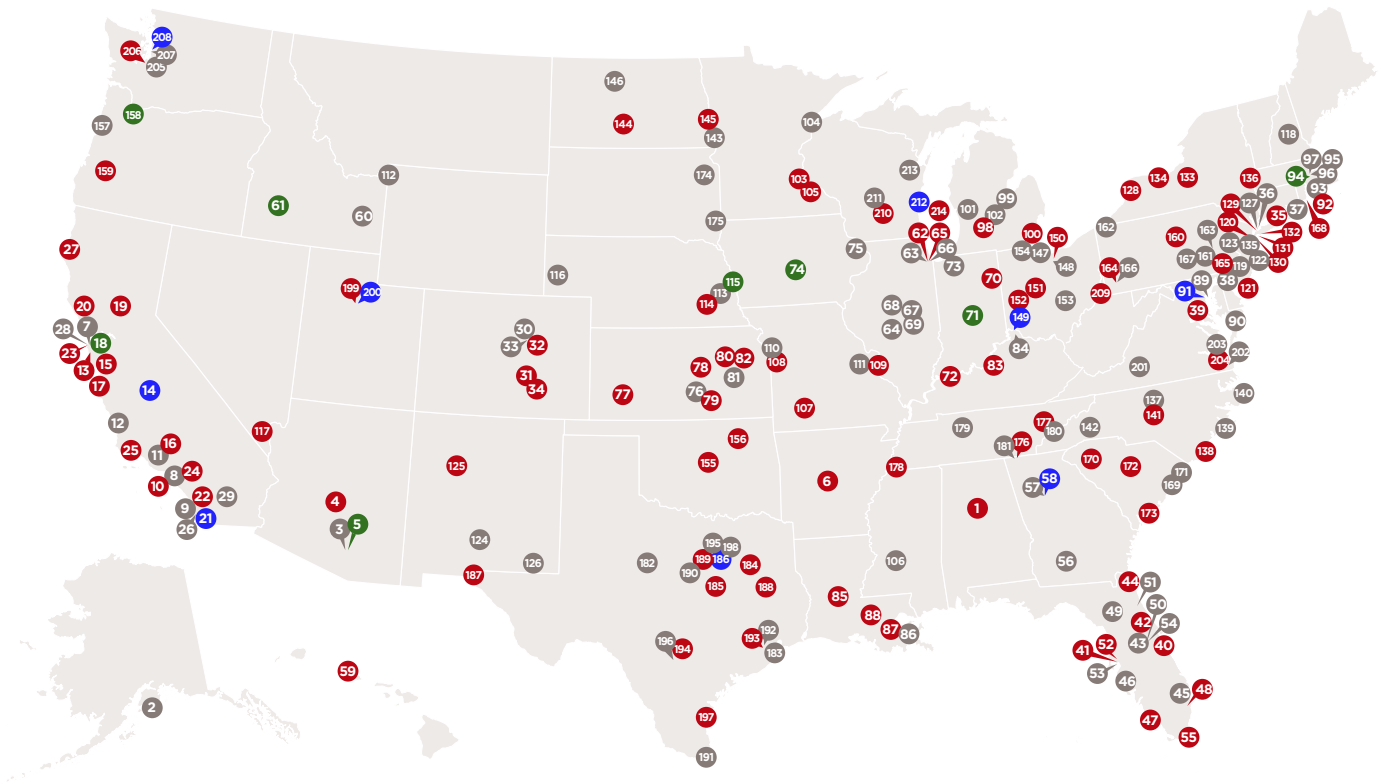
Today the park serves as a natural laboratory and a beautiful classroom to develop conservation tools and train new generations to preserve Patagonia. In the next decade, WCS expects to scale up this effort, through the creation of a vast network of terrestrial and marine protected areas in Chile while ensuring sustainable development of the local economy.



96 Elephants and the 2014 WCS Elephant Campaign

Just over a year ago, WCS launched its 96 Elephants campaign to bolster the Clinton Global Initiative's pledge to stop the killing, stop the trafficking, and stop the demand for illegal ivory. First-year accomplishments include: generating more than 450,000 constituent actions, delivering some 700,000 e-mails to legislators and other

key decision-makers, and the creation of a WCS Africa/Asia transcontinental wildlife-trafficking strategy. The campaign has raised more than \$1.7 million. Generous supporters have contributed an additional \$5.8 million for the protection of elephants.



Out of 214 AZA members, WCS has:

- 124 96 Elephants partners
- 24 field-conservation partners
- 21 96 Elephants and field-conservation partners
- Other AZA Members

In the U.S. Congress

WCS has been working closely with allies on Capitol Hill to strengthen wildlife-trafficking-enforcement laws, increase funding for anti-poaching and anti-trafficking efforts, and protect the proposed federal ban from crippling riders and legislation. As a result, the bipartisan Wildlife Enforcement Act was recently introduced in the Senate by Dianne Feinstein (D-CA) and Lindsey Graham (R-SC); the FY15 Consolidated Omnibus & Continuing Appropriations Act passed, with funding to combat wildlife poaching and trafficking rising to \$55 million. In addition, a rider aimed at undermining implementation of the federal ban was eliminated.

Wildlife Trafficking

WCS is working with allies in national government and conservation to support a strong federal ban on the commercial ivory trade in the U.S. and the release of the Implementation Plan of the Interagency Task force to Combat Wildlife Trafficking. Recommendations for the plan were submitted by President Obama's National Advisory Council on Wildlife Trafficking, upon which sit WCS President and CEO Cristián Samper and WCS Vice President of International Policy Susan Lieberman. USFWS and the Department of the Interior are crafting regulations to implement a near-complete ban on the commercial ivory trade in the U.S.

State Ivory Laws

The federal ban will help stop the import, export, and interstate trade of ivory. But with only 10 percent of ivory confiscated at our borders, state-level bans are needed to shut down the illegal trade within states. 96 Elephants played a key role in the passage of ivory bans by the New York and New Jersey state legislatures in June 2014 (both subsequently signed into law by Governors Cuomo and Christie, respectively). WCS is now working with the Natural Resources Defense Council (NRDC) and the Humane Society of the U.S. (HSUS) to establish a legislative ban in California during the 2015 legislative session. We are also offering support to 96 Elephants partners in at least 15 other states.

AZA Support

From its inception, 96 Elephants has welcomed the opportunity to work closely with partners, which today number more than 170 in 45 U.S. states and five countries. The coalition includes roughly 125 members of the Association of Zoos and Aquariums (AZA). With strategic and tactical support that includes legislative counsel, an updatable digital tool kit, media opportunities, public-relations templates, campaign collateral, and exhibitions, we have been able to help our partners to reach their audiences with unified campaign messaging.



Komodo Dragons

2014 marked the return of Komodo dragons to WCS's Bronx Zoo for the first time since the 1950s. The three adolescent Komodo dragons are representatives of the world's largest living species of lizard. Native to Indonesia, adult Komodos are capable of consuming up to 50 percent of their body weight in one feeding. A fully grown adult

male can weigh up to 250 pounds and reach nine feet in length. Classified as Vulnerable by the International Union for Conservation of Nature (IUCN), fewer than 2,500 Komodo dragons remain in the wild. WCS works across Indonesia to save wildlife and wild places.



Introducing: The WCS Bronx Zoo Birdathon

Hundreds of novice and expert birders participated in the first Bronx Zoo Birdathon in 2014 during the peak spring migration season. The inaugural event was created by Bronx Zoo Bird Curator David Oehler and WCS Coordinator of Bird Conservation Steve Zack. Bird-watchers competed as teams to see how many birds they could spot in Bronx Zoo exhibits and on the park grounds. Each year, the 265-acre park attracts a multitude of migrating species, including warblers, vireos, thrushes, and woodpeckers.

2014 World Parks Congress—Sydney, Australia

Under the leadership of WCS Vice President for International Policy Susan Lieberman, more than 40 WCS participants attended the 2014 IUCN World Parks Congress in Sydney, Australia, in November. Held once every 10 years, the global event focuses on the state of the world's protected areas. WCS staff led discussions and sessions on a number of conservation issues, including those focusing on wildlife trafficking and new tools such as SMART, an open-source software for law enforcement and anti-poaching monitoring in protected areas. WCS established a dedicated Web site for the Congress, and a successful brochure was released highlighting our priorities and leadership on protected areas.

WCS and other NGOs issued a joint statement on how World Heritage sites are incompatible with oil and gas exploration, mining, and other extractive industries. WCS worked hard to ensure that our priorities were in the forefront, particularly the value of large,

well-managed intact parks for wildlife conservation and our concern over multiple threats, including wildlife trafficking. Several WCS scientists published commentaries and papers during the event, and WCS Communications released several important news stories at the Congress, with coverage in *The Economist*, *Scientific American*, *National Geographic*, and other media venues. Important marine-conservation announcements were made by the Presidents of Gabon and Madagascar on new marine protected areas—efforts extensively informed by WCS's scientific and policy work.





Bridging the Gap

For too long, the zoo and aquarium field has been underrepresented by minority science professionals. To encourage more minority youth to consider this career track, the WCS Education Department developed the Bridging the Gap program—a school-to-career initiative that consists of afterschool and

weekend programming for high school students at WCS's five New York City wildlife parks. Providing post-participation tracking and mentoring, the program seeks to inspire low-income minority youth to pursue wildlife science careers.



Toward that end, Bridging the Gap is developing a science career program that includes hands-on, technology-enriched, science learning experiences at zoos and aquaria; career development services; mentoring; and long-term tracking and support. We hope to launch participating minority students

into successful wildlife careers. To help us achieve that goal, we are developing a body of research on the short-term and long-term effectiveness of the program and sharing what we learn with other informal science education institutions around the nation for replication.



Because few programs currently exist to help minority students enter the wildlife science profession, this project fills an important programmatic need and serves as a model workforce program that can be replicated by other organizations around the country. There could not be a more important time

to provide this opportunity, as minority participation in STEM careers has remained stagnant for more than a decade. The project's key strategic impact is its capacity to broaden participation in the wildlife sciences by introducing minority students to this field while they are still in high school.

Aldabra Tortoises

Two giant Aldabra tortoises—which can weigh 500 pounds or more and live over 100 years—made their debut at the Bronx Zoo in 2014. Classified as Vulnerable by the IUCN, these reptiles are one of just two remaining species of giant tortoise (the other being the Galapagos tortoise). In 2012, WCS launched an organization-wide program to save the world's most endangered turtle and tortoise species.



Leading Through Science—300 WCS Peer-Reviewed Papers for 2014

With some 200 PhD scientists on staff, WCS contributes greatly to conservation literature with studies driven by careful scientific investigation and collaboration. In 2014 WCS scientists published or co-published close to 300 peer-reviewed papers in a wide range of distinguished journals, including *Nature*, *Science*, *Conservation Biology*, *PLoS One*, *the Journal of Mammalogy*, and *Oryx*, among others.

Studies ranged from WCS Vice President for Species Conservation Elizabeth Bennett's report "Legal Ivory Trade in a Corrupt World and Its Impact on African Elephant Populations" in *Conservation Biology* to WCS Climate Change Program Director James Watson's "The Performance and Potential of Protected Areas" in *Nature* to HEAL Program Director Chris Golden's "Wildlife Decline and Social Conflict" in *Science*.

View a complete list of 2014 WCS scientific publications at wcs.org.





The First Intertribal Alliance in 150 Years —to Protect Bison

For tens of thousands of years, American bison shaped the North American prairie, linking Native peoples to the land. But since their slaughter in the 19th century, the animals have been largely missing from Native territory. With the support and assistance of WCS, dignitaries from U.S. Tribes

and Canadian First Nations joined in September in support of bison restoration and to renew cultural and spiritual ties. With the first intertribal peace treaty in more than 150 years, the parties hope to restore this quintessentially North American mammal within the two countries.



The New York Aquarium's *Ocean Wonders: Sharks!* Breaks Ground

Two years after Hurricane Sandy delayed construction of a fantastic new ocean-facing marine exhibit, we are pleased to report that significant progress is now being made toward the planned transformation. In January 2014, WCS held a ground-breaking ceremony on the site of the future *Ocean Wonders: Sharks!* building. WCS staff, community leaders, elected officials, donors, trustees, other stakeholders, and members of the

media attended the event. Since then, aquarium staff and the management firm Turner Construction have been hard at work moving the project forward, and the facility is starting to take shape.

Concrete has been poured for the foundation, mezzanine level, and spiral entryway. Subterranean infrastructure for life-support systems and plumbing have been installed—including 6,000 feet of life-



support-system pipe, 2,000 feet of conduit, and 500 feet of cast-iron pipe. In early 2015, more than 40,000 pounds of acrylic exhibition windows will arrive for installation. Once complete, *Ocean Wonders: Sharks!* will be an instant icon on the famous Coney Island boardwalk. It will help New Yorkers understand the importance of the marine ecosystems surrounding the city and the measures New York City is taking to conserve our local seascape.

The Animal Care Facility, a building designed for animal holding, has been constructed near the Education Hall and is already 100 percent functional

and ready to receive its first marine species. This building will be the first stop for the animals that will eventually populate the exhibits within *Ocean Wonders: Sharks!* Plans for the restoration of the storm-damaged areas of the aquarium, nearly 54,000 square feet, are under review. WCS's Exhibits and Graphic Arts Department (EGAD) is working to develop renderings of what these damaged areas will look like when they are reopened to the public.

Q&A

Aili Kang

In the 13 years since she translated George Schaller's "Wildlife of the Tibetan Steppe," WCS China Program Director Aili Kang has become an integral member of the WCS Asia Program. Here she discusses conservation efforts from Tibet's Changtang to Jilin Province and her work to help Chinese consumers understand how ivory purchases threaten African elephants.

Did you grow up around animals?

I grew up in Shanghai—one of the largest cities in the world—so I wasn't exposed to wildlife. My first knowledge of wild animals was from a National Geographic Society documentary as a youngster.

When did you become interested in conservation as a possible career?

I studied biochemistry at East China Normal University. I was unsure of a career until I met Dr. Endi Zhang, who opened both his door and a window to the larger world of wildlife. Dr. Zhang worked as the China Country Program Director for WCS in the late 1990s and early 2000s. After meeting him, I knew I wanted to be a conservationist. In 2002, I translated the Chinese version of "Wildlife of the Tibetan Steppe," by Dr. George Schaller, and had the honor of meeting him in person. For my doctorate, I focused on the conservation of saiga, a Critically Endangered antelope species. Because China lost its wild saiga population in the 1950s, I had to study animals in a captive-breeding center. This reaffirmed for me the importance of protecting species in the wild.

What is the focus of your work for WCS?

My team and local partners have conducted work in the Pamir region of Xinjiang on Marco Polo sheep; in Qinghai Lake on Przewalski's gazelle; and in Changtang in western and northern Tibet on Tibetan antelope, wild yaks, and brown bears; and on the intact-grassland ecosystem. My colleagues and I also secure Amur tiger habitat in Jilin Province and combat illegal wildlife trade in Guangdong Province.



What were your main projects in 2014?

Generally speaking, the core of the WCS China program has been collecting data, publishing peer-reviewed papers, and taking conservation actions driven by our field research. In 2014 my team and I primarily worked on reducing ivory demand in China. Many people are unaware that elephants are killed or threatened due to the ivory trade. We have focused on communications outreach with the goal of changing people's behavior. We used different social-media channels, especially Sina Weibo, China's hybrid version of Facebook and Twitter, along with WeChat—a text and voice-messaging service. We try to target specific groups that consume wildlife products.

Are there attitudes in China that make it challenging to educate the public about the ivory crisis?

Actually, attitudes on both sides of the issue present challenges. For some Chinese, Africa's elephant crisis feels very removed. They feel that China has many endangered species of its own so why should we pay more attention to African elephants. Many Chinese do not yet understand that elephants are killed for their ivory. They believe that tusks are cut from elephants that died of natural causes. At the same time, because Westerners may not have a long history of using wildlife as protein/food/medicine resources, many have trouble

ABOVE

WCS China Program Director Aili Kang.

RIGHT

Aili conducting research in Tibet's remote northern Changtang landscape, home to a variety of wildlife, including Tibetan antelopes, also known as chiru.

understanding why there is such a strong demand for wildlife products in Asia. Bridging this communication divide is important to changing attitudes and consumption behavior.

How is that work going?

Last January, China destroyed six tons of ivory. The different responses in China and the West were interesting. On Twitter, people celebrated the government's action. On Chinese social media, people asked why officials were paying attention to this issue when there are other troubles in the country. That helped us design targeted messages. In China, everyone has a smartphone and most people are logged on to Sina Weibo and WeChat. Those are tools where we can make a significant impact, and in fact Chinese citizens are now talking about African elephants and ivory. Two years ago they weren't. On Facebook and Twitter, our goal is to help Westerners learn more about China.

What were some of your other ivory education strategies this year?

At Beijing Capital International Airport, we used ad space to show powerful pictures of dead elephants and urge people not to smuggle ivory into China or take ivory back to their home countries. We also showcased a National Geographic film translated into Chinese to explain the elephant-poaching crisis. A few famous people within the art world helped us reach collectors, a group we don't normally have much access to. So, we are increasingly relying on our partners to help us spread the word.

Can you describe the work WCS is doing in Tibet's Changtang landscape?

Following in the footsteps of Dr. Schaller, our team started working in Changtang in 2006. There, we primarily conduct field and animal census surveys. We work with communities to reduce conflicts between wildlife and livestock herders. While most of China is crowded, you don't see many people in Changtang. But there is abundant wildlife, including wild yak, Tibetan antelope, gazelle, and other animals. One of the challenges of working in this landscape is that locals want more development to have a better life. Our goal is to limit the human footprint so that wildlife numbers can remain

at a certain size and scale. So, we aim to work with both the government and local communities to encourage sustainable socio-economic development.

What has been your greatest wildlife moment during your time with WCS?

Seeing a snow leopard in the wild on a field trip in Changtang with my WCS colleague Dr. Joel Berger. It was in 2009 on my birthday, December 5. Few people have the opportunity to see a snow leopard in the wild.

What makes you passionate about your job?

In Changtang, where I'm far away from the crowded cities and it's more peaceful, I research and observe wild animals. Seeing so much wildlife around you is an amazing experience. I recognize that I am a part of this big community of creatures that in many ways are just like us. Especially in Changtang, due to conservation efforts, there are areas where wild ungulate will ignore my presence as long as I remain at a "safe" distance. To be ignored means they trust that I won't hurt them.

What do you find most challenging about your work?

Communication is the most challenging aspect of my work. As conservationists, we can't just focus on peer-reviewed papers. We have to communicate with people within and outside WCS. I needed to develop a different style and approach when sharing our message with government officials, business leaders, and people on the street if I hoped to have some impact on wildlife. When I discuss ivory crushes, it's more about marketing and public relations than about scientific discourse. I needed to overcome that challenge of explaining things outside a conservation context.



"In China, most people are logged on to social media like Sina Weibo. That's where we're having an impact. People are talking about African elephants and ivory. Two years ago they weren't."

*“Humans merely share the Earth.
We can only protect the land, not own it.”*

—CHIEF SEATTLE, OF THE DUWAMISH TRIBE



FINANCIAL REPORT

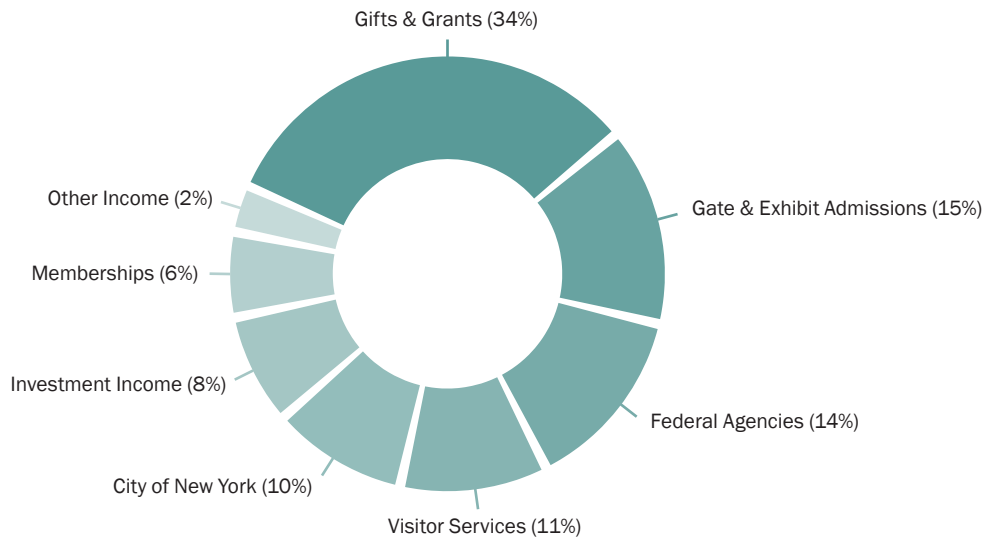
The Wildlife Conservation Society closed Fiscal Year 2013-14 (FY 2014) with a small operating surplus, as total operating revenues exceeded expenses by \$1.2 million. The positive bottom line was the result of several factors. Operating revenues totaled \$234.6 million, \$13.7 million (6 percent) higher than the prior year. Programmatic support from private contributions, federal agencies, multi-lateral and bi-lateral funding and foreign aid reached a new record, nearly \$109 million, an 11 percent increase. These funds provided 46 percent of total revenue. Our investments in programmatic and fundraising leadership and capacity building continue to achieve high returns through increased and more diversified funding streams. The New York Aquarium was partially reopened at the end of FY 2013 and had a successful first year of post-storm operation in FY 2014, better than expected, as attendance exceeded a half million visitors. Our zoos and aquarium received four million visitors in FY 2014, slightly higher than the prior year, and per capita visitor expenditure across all five parks increased by 3 percent, to \$14.89, despite the challenges of the partially open Aquarium. While the Aquarium will continue to run at a loss until fully restored, in FY 2014 WCS received \$4.4 million in insurance proceeds and FEMA reimbursements for debris removal and emergency protective measures at the New York Aquarium and Bronx Zoo. These proceeds supported the bottom line and our cash position. Though the rebuilding and expansion of the New York Aquarium continues to be a significant management focus and challenge, our mission activities in global conservation and at our wildlife parks are strong, supported by a diverse revenue base and record donor commitments.

LEFT

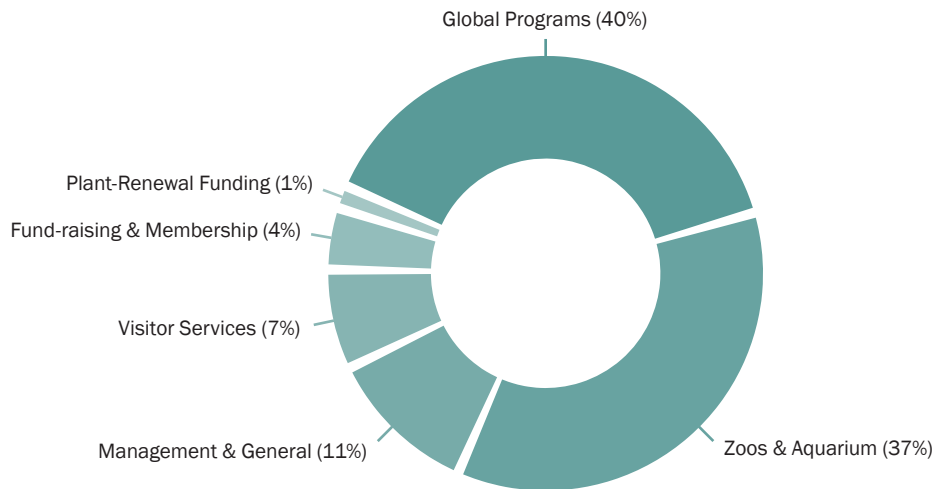
The WCS Jaguar Conservation program began in 1999 to support scientific research on this iconic big cat's ecological needs and to reduce conflict between jaguars and people. WCS continues to evaluate key protected areas, working to improve the status of refuges where jaguar populations are not secure.

QUICK LINKS: [40 2014 Operating Revenue](#) • [2014 Operating Expenses and Plant-Renewal Funding](#)
[42 Operating Revenues and Expenses](#) [43 Consolidated Balance Sheets](#)

2014 OPERATING REVENUE (\$234.6 Million)



2014 OPERATING EXPENSES AND PLANT-RENEWAL FUNDING (\$233.4 Million)



Admission and other audience-driven revenues, including membership and auxiliary services, are our largest and steadiest sources of unrestricted operating support, essential to the financial health of the entire organization. In FY 2014, these sources provided \$73.4 million, over 30 percent of total revenues. So, maximizing these funding streams is crucial. Admission revenues continue to increase, thanks to a well-researched and proactive admission pricing strategy, which aligns ticket prices with the perceived value of the guest experience and active sales management in the parks and through the Web.

In the aggregate, the City of New York provided \$22.7 million for zoo and aquarium operations. This is a combination of operating support and the cost of utilities provided to the Bronx Zoo and the New York Aquarium through the Department of Cultural

Affairs and reimbursement from the Department of Parks and Recreation for WCS operation of the Central Park, Prospect Park, and Queens Zoos. WCS was very fortunate to receive an increased operating grant from the state of New York, totaling \$3.5 million, in FY 2014.

Investment income for operations totaled \$19 million in FY 2014. Investment income is a combination of the 5 percent payout on endowment funds in accordance with board policy and investment income earned on operating funds. The total also includes allocations from reserves for special initiatives.

WCS operating expenses reached \$233.4 million in FY 2014, 5 percent higher than the prior year. Within that total, programmatic activity at our zoos, aquarium, and global programs totaled \$179.6

million, \$8 million (5 percent) higher than the previous year, driven primarily by continued growth in global programs. Spending on global programs reached a record high of \$94 million, funded by a combination of restricted gifts, grants, and contracts from individuals, foundations, corporations, U.S. governmental agencies, foreign aid, and other, non-governmental organizations. The Africa Program continues to be the largest regional program, with expenditures of \$29.8 million. Africa's expenditures grew 10 percent, due primarily to the resumption of United States government-funded projects, such as the multi-year Central Africa Regional Program for the Environment (CARPE) III grant and individual and private restricted support related to the elephant-poaching crisis. Asia regional expenses totaled nearly \$19 million, followed by Latin America, which closed the year at \$12 million.

Zoos and aquarium expenses totaled \$85.4 million, slightly higher than the previous year, as a result of the provision of staff raises and higher fringe-benefit expense. Aquarium expense was substantially lower than in FY 2013, reflecting onetime extraordinary expenses for storm cleanup and initial repairs in that year.

Management and fund-raising expenses totaled \$32.7 million in FY 2014. Growth in those areas was primarily the result of several strategic initiatives, including the implementation of a multi-year effort to replace most of our stand-alone financial and administrative systems. The first three phases of this \$14 million, five-year effort are complete, with the installation of new financial, purchasing, and human-resources systems for domestic operations in FY 2013 and the installation of a modern payroll system this past year. Also begun in FY 2014 was the rollout of the new systems across WCS's global programs. When this project is complete, the entire organization will function on a single system platform. We believe that this investment will lead to significant efficiencies and savings, provide better business intelligence, and foster organizational integration.

WCS has an ambitious capital-construction program to support plant infrastructure and exhibits. FY 2014 spending on capital projects was \$36 million. Within the total, Bronx Zoo projects accounted for \$13.6 million and the New York Aquarium \$20.9 million, with the remainder spent on improvements at the city zoos and the administrative-and-financial-systems project. Several large projects accounted for most of the expenditures: at the Bronx Zoo, the completion of the Quarantine Facility and the LaMattina Wildlife Ambassador Center, the Zoo Center Komodo Dragon exhibit, the Children's

Zoo Re-Imagined, and roof and boiler replacements; and, at the aquarium, the *Ocean Wonders* expansion and related projects and continued storm-damage repairs.

In addition to staying focused on the management of our operating and capital programs, we pay strict attention to our balance sheet, cash management, and liquidity. Changes in the balance sheet reflect the growth of the organization in many areas. Total assets increased from \$842.6 million to \$973.6 million on June 30, 2014. This \$131 million increase is a consequence of positive investment return, endowment additions, the Series 2014A bond issue and other financings, new construction, which increased property and equipment, and higher grants and pledges receivable from private, governmental agencies, foreign aid, and other sources.

At the end of FY 2014, the market value of the investment portfolio was \$472.6 million, an increase of \$52 million. This was a consequence of the receipt of a second \$20 million distribution from the endowment bequest of William B. Lloyd to support wildlife conservation and \$51 million in positive investment returns less budgeted endowment spending for operations in accordance with WCS's endowment-spending policy and other special allocations. For the 12-month period ending June 30, 2014, the long-term investment portfolio had a return of 12.1 percent.

Liabilities increased by \$65.3 million to \$224.6 million on June 30, 2014. This is a consequence of the continued execution of a financing plan to support the construction program and to provide sufficient bridge financing and liquidity for the organization during the restoration and expansion of the aquarium, pending the reimbursement of those costs by the federal government, through FEMA, and by the City of New York. The financing plan had several components, including additional long-term tax-exempt debt and shorter-term loans. As reported last year, in March 2013 WCS entered into a loan agreement with the Trust for Cultural Resources of the City of New York to finance a portion of the costs of capital improvements at the Bronx Zoo and the refunding of the \$65.53 million in Series 2004 bonds at substantial savings. The Trust issued \$79.18 million in revenue bonds, and, including an original issue premium of \$13.7 million, proceeds totaled \$92.9 million. In February 2014, WCS executed another loan agreement with the Trust to finance the *Ocean Wonders* expansion at the New York Aquarium. The Trust issued \$44.4 million of Series 2014A revenue bonds, and, including an original issue premium of \$3.1 million, total proceeds were \$47.5 million. This added

OPERATING REVENUES AND EXPENSES

June 30, 2014 and 2013, in thousands

	2014	2013
REVENUE		
Contributed	\$61,147	\$58,325
Membership dues	13,929	14,182
Investment income	19,046	17,234
City of New York	22,746	22,073
New York State	3,483	3,275
Federal agencies	33,184	28,297
Non-governmental-organization grants	14,437	11,096
Gate-and-exhibit admissions	34,471	32,153
Visitor services	24,954	25,430
Education programs	2,281	2,206
Sponsorship, licensing, and royalties	939	745
Insurance proceeds	803	3,004
Other	3,137	2,881
TOTAL REVENUE	\$234,557	\$220,901
EXPENDITURES		
Program Services		
Bronx Zoo	52,663	51,859
New York Aquarium	10,924	13,393
City Zoos	21,857	19,612
Global Programs	93,977	86,018
Lower Bronx River habitat conservation	135	604
Total Program Services	\$179,556	\$171,486
Visitor Services	\$15,615	\$16,053
Supporting Services		
Management and general	25,774	23,466
Membership	2,627	2,707
Fund-raising	6,892	6,166
Total Supporting Services	\$35,293	\$32,339
PLANT-RENEWAL FUNDING	\$2,894	\$2,056
TOTAL EXPENSES AND PLANT-RENEWAL FUNDING	\$233,358	\$221,934
EXCESS OF REVENUES OVER EXPENSES AND PLANT-RENEWAL FUNDING	\$1,199	(\$1,033)

to bonds payable, which now total \$139.4 million. Both bond issues are 30-year fixed-rate debt. WCS retained its Aa3/AA- bond ratings from Moody's and Standard and Poors.

In March 2014, WCS also obtained shorter-term financing with loans outstanding of \$12.3 million on June 30, 2014. This total included a \$7 million, 10-year-unsecured, variable-rate bank loan to

finance the capital costs of the new financial and administrative systems. The full balance of the loan was outstanding at the end of the fiscal year. The second vehicle took the form of a \$10 million program-related investment from the David and Lucile Packard Foundation. The foundation is providing bridge financing for the aquarium expansion pending contractual reimbursement by the City of New York. The loan carries an

CONSOLIDATED BALANCE SHEETS

June 30, 2014 and 2013, in thousands

	2014	2013
ASSETS		
Cash and cash equivalents	71,738	57,151
Accounts receivable	3,912	5,920
Receivable from the City of New York	16,330	12,366
Receivable from the State of New York	6,059	5,290
Receivable from federal sources	24,835	23,615
Grants and pledges receivable	65,558	57,904
Inventories	2,438	2,166
Prepaid expenses and deferred charges	6,209	4,401
Investments	472,641	420,636
Amounts held in trust by others	2,109	2,032
Funds held by Bond Trustee	53,437	21,435
Property and equipment	248,346	229,687
TOTAL ASSETS	\$973,612	\$842,603
LIABILITIES		
Accounts payable and accrued expenses	38,132	32,889
Annuity liability	3,635	3,986
Loans payable	12,271	0
Bonds payable	139,437	92,447
Post-retirement benefit obligation	31,161	29,989
Total Liabilities	\$224,636	\$159,311
NET ASSETS		
Unrestricted		
Designated for long-term investment	159,870	122,818
Net investment in property and equipment	150,075	158,675
Total Unrestricted	\$309,945	\$281,493
Temporarily restricted	190,747	173,841
Permanently restricted	248,284	227,958
Total Net Assets	\$748,976	\$683,292
TOTAL LIABILITIES AND NET ASSETS	\$973,612	\$842,603

interest rate of 1 percent, and on June 30, 2014, \$5.3 million was outstanding.

WCS continues to face challenges in the year ahead, but meeting those challenges brings great opportunity to expand our mission activities in New York and across the globe. In New York the restoration and expansion of the New York Aquarium is the largest such undertaking WCS has tackled since the establishment of the Bronx Zoo. The construction of the *Ocean Wonders* project is back on track after Hurricane Sandy and progressing well. We are in the process of designing the post-storm restoration of the aquarium and are

confident that, working with our partners in the city, state, and federal governments, we will meet our goal of reopening a transformed facility. Globally our most serious financial challenge is delivering the revenue diversification and growth required to support core operations, administrative functions, and expanded conservation-mission priorities. WCS's 2020 strategic plan addresses both mission goals and revenue growth, building on our history and strengths, focusing our work, leveraging our resources to have a bigger conservation impact, and supporting the successful business model we have built over the last decade.

Q&A

Raynor Mattson

When Raynor Mattson, Assistant Manager for Bronx Zoo Security, answered a Penny Pincher ad for a seasonal position at the Bronx Zoo in 1985, he could not have known he was embarking on a career at the beloved park of his childhood. Here he discusses security changes after 9/11, the responsibility of reuniting lost children with their parents, and his fondness for Tiger Mountain.

Where did you grow up?

I grew up in Pelham Bay, not too far from the Bronx Zoo. The first time I visited the zoo I was three years old. My father was holding me up to an elephant's trunk. I'm 59 years old, but I still remember that.

And a few decades later you're working there.

I answered an ad in The Bronx Penny Pincher for a seasonal shuttle zoo driver in April 1985. We had to give tours and simultaneously talk about the animals. There were no scripts back then, so I'd do a comedy routine as I'd pass the exhibits. I was in that position for about three months. Then I took a night job in the security department so I could watch my son during the day, since my wife also worked. I began the 1 A.M.–9 A.M. shift in the summer of 1985. For the first three years, I was a uniformed guard and then I was promoted to supervisor. I became assistant manager in 2002 and began working the 9 A.M.–5 P.M. shift then.

How large is the Bronx Zoo security staff?

During the regular season (April–October), we have 14 full-time union guards and six seasonal guards to help with the larger crowds. Security guards come in during inclement weather and work holidays. It's a 24-hour, 365-day-a-year job to make sure the facility, the visitors, and the employees are safe and secure.

What's your day-to-day work like?

We mainly deal with unruly visitors, who sometimes throw things at animals. We work hand-in-hand with the New York City Police



Department, and they get involved if it's something serious, like if a person needs to be arrested. The security department at each of WCS's parks is independent. The only interaction we have is twice a year when the WCS shooting-team personnel gather to practice shooting in case a dangerous animal escapes. Luckily, we have never had to shoot an animal.

What are some security challenges you've faced at the zoo?

In the late 1980s, we'd nab trespassers who jumped the six-foot-high fences. They are 12 feet now. We used to get a lot of college-age intruders whose mischief was a result of a prank or dare. They'd steal anything that wasn't locked down. We'd apprehend the perpetrators and call the police. After the September 11 attacks, security was in charge of receiving any unusual or suspicious envelopes or packages (those with no return address, for example). We used to triple-bag the envelopes and wear rubber gloves when handling them. During the height of the anthrax scare in late 2001, personnel in accounting received an

ABOVE

Raynor Mattson, Assistant Manager for Bronx Zoo Security.

RIGHT

Raynor's tenure with the Bronx Zoo goes back three decades to 1985, when he began working as a uniformed guard on the late shift.

“Security guards work during inclement weather and holidays. It’s a 24-hour, 365-day-a-year job to make sure the facility, the visitors, and the employees are safe and secure.”



envelope with white powder inside. We called the HAZMAT team and the NYPD. They determined the substance was carbon dioxide powder from a fire extinguisher. About six years ago, we zeroed in on a suspicious backpack with wires sticking out of it near the Dancing Crane Café. We sealed off the café and surrounding area and called the NYPD bomb squad. They determined that the backpack just had food in it.

Does security get more difficult on days when it’s crowded?

A big part of the job is reuniting lost kids with their parents with the help of the NYPD. We had 83,000 visitors one day in 2011. We were lucky there were no major incidents, and we reunited 40 to 50 lost kids with their guardians that day. We haven’t lost a child yet. Dealing with the public can be challenging sometimes. In general, though, people are pretty friendly and they’re happy to be here. There’s just a small minority of people that are rude and give you trouble.

How has your division changed through the years?

Back in the day, guards had a watchmen’s clock—a big clock they’d carry to show their supervisor where they were throughout the night. Each guard would have to locate a key in their different posts and twist it inside the big clock, making an imprint in ink. The supervisor would unroll the tape to see where each guard was and at what time. Now

we have a reader connected to a computer where the supervisor can download the information. It’s more accurate, and you get a nice printed version. Another innovation: a security professional is now required to complete a training course and get a license from the New York Department of State’s Division of Licensing Services (DLS) before applying for a position with us.

How do you work with the NYPD’s 52nd Precinct substation at the Bronx Zoo?

We have a great working relationship with the Police Department, and we call them when necessary. If, for example, a patron’s purse is stolen, officers will take down a report of the crime. If we need to escort someone out of the zoo, we’ll call them, too.

Do you have a chance to observe the zoo animals while on the job?

I’ve had a chance to observe the animals while on duty. I love Tiger Mountain, our tiger exhibit. Tigers are beautiful animals, and the exhibit is pretty big. The big cats have room to move around in a natural-looking environment.

What makes you passionate about your job?

It’s rewarding to work for the Wildlife Conservation Society. Even though I’m just playing a small part, I feel like I’m working for a noble organization trying to do some good for the world. Working the day shift now, I get to see and interact with the crowds. Most people are in a good mood, and this is a happy environment. Most of the patrons are here on their day off or while on vacation. Having a historical knowledge of the zoo, I like answering some of their questions. People will ask, How old is the zoo? How big is it? When did this particular exhibit open? I’m also particularly proud of an article I wrote for *Animal Kingdom* magazine published in the late 1980s. I got good reviews from William Conway (WCS General Director at the time) and members of the Board of Trustees. I wrote about the nocturnal animals I’d see on the park grounds during the night shift—the Bronx’s natural wildlife includes turkeys, coyotes, raccoons, opossums, and red foxes.

WCS BY THE NUMBERS

1

Number of acoustic data-logging instruments destroyed by a polar bear during a WCS-Canada study of human-wildlife interaction in Beringia.

17

Number of sharks tagged in the New York Bight by WCS staff.

450

Estimated number of citizen scientists participating in the WCS Adirondack Program's 14th Annual Loon Census in the summer of 2014.

190

Number of coalition partners in 45 states in the United States and five countries associated with the WCS 96 Elephants campaign.

340 MILLION

Total 96 Elephants social-media impressions achieved.

32

The number of UNESCO World Heritage sites across the globe where WCS works on the ground and in the field.

245

The number of parks WCS has helped to create globally since its founding in 1895.

12.8 MILLION

Hectares of land WCS and partner institutions are protecting through conservation action in the Brazilian Amazon.

5,300 KILOMETERS

Distance traveled during a southern right whale's 71-day migration to its feeding grounds as measured with WCS satellite tagging.



96

Percentage of AZA Taxon Advisory Group programs that WCS's zoos and aquarium participate in.

1,192

Number of species managed by WCS's zoos and aquarium.

400 MILLION

Number of visitors to WCS's zoos and aquarium since the Bronx Zoo was founded in 1899.

1,100

Number of teachers who participated in professional-development programs at all five WCS facilities in 2014.

84,593

Total number of schoolchildren participating in education programs across WCS's five New York City parks.

NEW YORK CITY



70

Percentage of core snow leopard habitat protected in Afghanistan through the establishment of Wakhan National Park with the help of WCS.

0

Number of tigers killed in retaliation for conflict with humans in WCS-Indonesia landscapes in 2014.

20

Number of new marine protected areas (MPAs) created, with WCS assistance in 2014 in Fiji, Madagascar, Argentina, Bangladesh, and Indonesia, totaling an area of roughly 32,000 square kilometers.

40

Number of WCS staff (representing our Africa, Asia, Latin America & Caribbean, North America, and Marine programs) attending the once-in-a-decade World Parks Congress held in 2014 in Sydney, Australia.

14,091

Number of farmers in Zambia's wildlife-rich Luangwa Valley who sold crops at a premium price through WCS's COMACO project in return for stewarding wildlife, forests, soils, and water.

25,000

Number of elephants in the Ruaha-Katavi Landscape, where WCS has just launched a major management-and-protection program.

Isaac Goldstein

On his way to becoming a dentist, Isaac Goldstein took a sharp turn after he met WCS's Stuart Strahl and accompanied him into the Venezuelan Llanos. Three decades later, Isaac has achieved success and acclaim for his work to conserve the Andean bear. Here he describes fieldwork stretching across three nations and the opportunity to mentor a new generation of conservationists.

How long have you been with WCS and how did you come to work here?

I have been working with WCS since 1985. I had just finished my undergraduate zoology studies at the University of California, Davis, and was back in Venezuela looking for work when I met Dr. Stuart Strahl of WCS (then known as the New York Zoological Society, or NYZS). Though I had earned a degree in zoology, my goal was to continue to the University of California San Francisco School of Dentistry. I returned to Venezuela for personal reasons and started to work immediately after completing my undergraduate degree. Dr. Strahl was working on his doctorate on the ecology of the hoatzin in the Venezuelan Llanos. He hired me as a field researcher. I slowly fell in love with ecology.

How did you become interested in conservation and in Andean bears specifically?

When I met Dr. Strahl, he told me NYZS was interested in working with three species in Venezuela: the jaguar, the tapir, and the Andean bear. At the time, I had family and contacts in the Venezuelan Andes, and I knew they had Andean bears near their lands, so I figured it would be easier and more cost effective for me to work with Andean bears. I went on to earn a master's degree from Universidad Simon Bolivar in Venezuela.

Can you tell us a bit about your daily routine?

After an early breakfast, I start communicating with our different teams in Colombia, Ecuador, and Peru. Several issues could come up throughout the day, from blocked access to a site due to a road collapse to lack of food or funds because we had unforeseen



expenses or accidents in the field. Sometimes we run into more conceptual problems, such as what statistical models to use and how large a sampling area should be. When I started as a researcher in 1985, I spent at least half my time in the field and had the privilege to be in some of the most beautiful landscapes in the world. I am thinking particularly of the Andean páramos, which boasts high-altitude treeless ecosystems that look like Japanese gardens. My fieldwork lasted almost 20 years. Nowadays I seldom go out in the field, but I do enjoy visits to the sites since it brings me back to my roots. At 56, I am not very fit to run around the mountains like a goat anymore!

Describe the challenges that are driving WCS's work with Andean bears?

As with many other large carnivores, the main conservation issues for Andean bears are habitat loss and poaching. The government and its institutions are key to creating a legal framework to conserve the bears' habitat and prevent their being hunted. A scientist with no support to address issues like law enforcement and policing can only do so much. One of the challenges of Andean-bear conservation is working in very difficult areas that are not easily accessible. You'll find a combination of very steep and high mountains and wet tropical forest—a really difficult mix. There are no roads because of the challenging topography, so most of the traveling is done on foot.

ABOVE

Isaac Goldstein, Coordinator of WCS's Andean Bear Research and Conservation Program.

RIGHT

Isaac says that governments and their institutions are key to creating a legal framework to conserve Andean bear habitat and prevent their being hunted.

“We must always work to ensure that our actions help us achieve our ultimate goals for conserving and protecting a particular species.”

What were your main projects in 2014?

I was involved in seven large projects in Colombia, Ecuador, and Peru. I split my time between my home office in Merida, Venezuela, and my travel to offices in the other countries. Much of our staff focuses on the development of monitoring frameworks for different species. This includes analyses of given populations and the threats they face in order to evaluate the success of our conservation initiatives. Three projects involve Andean bear research and monitoring. One of the key efforts is in Colombia's National Natural Park System. We are developing the framework and the protocols to evaluate the area occupied by the bear populations in up to five landscapes spread across 10 national parks.

How do you measure the area occupied by a given Andean bear population?

Between 2012 and 2014, we developed a monitoring framework to evaluate the areas occupied by Andean bears. In other words, we were figuring out a means to measure how much of a given area is occupied by these bears. Once you have that framework, it can be used by other scientists and conservation groups to evaluate the state of Andean bear populations at the landscape level wherever they occur and develop management actions in accordance.



What do you find most challenging about your work?

After 30 years in this field, the challenge is to really link the impact of the work you are doing to actual conservation of a site or a species. Many of us have been in the conservation sector for a long time. We have worked on many projects for which we have a fair degree of certainty that we've done something worthwhile and that we are really improving the state of the species we are dealing with. But is that true? We must always work to ensure that our actions help us achieve our ultimate goals for conserving and protecting a particular species. Data and arguments are what we rely on, not instinct or rhetoric.

What is your most memorable wildlife moment?

In 1989, I accompanied Dr. Strahl on my first visit to the Caura River. The goal was to develop a remote research field station in Venezuela's Caura Basin. Besides being my first visit to the river, it was my first visit to a tropical forest, and everything was quite new to me. During that first trip, Dr. Strahl and I were chatting in front of a campfire when suddenly I saw the shadow of an ant that looked to be eight inches long! In reality it was only about an inch, but I remained in shock when I realized it was the *Paraponera clavata*, also called the bullet ant. That species of ant is known for its very, very painful and potent sting, and they were all over the place! Mercifully, I was not stung once, and I learned how to live with the ants in peace during the three years I spent on the Caura project.

What is your proudest achievement?

One of my proudest achievements is working with young professionals totally committed to doing work that directly affects the management of wildlife. Every day I see them ask themselves what impact they are having as they seek to protect a site or a species. It is deeply fulfilling to mentor these young women and men grappling with the essence of conservation.

*“Those who contemplate the beauty of the Earth find
reserves of strength that will endure as long as life lasts.”*

—RACHEL CARSON, AMERICAN CONSERVATIONIST



CONTRIBUTORS

WCS is thankful to all of our supporters, whose commitment brings tangibility to our work, and whose dedication is the crux of our success. In 2014, WCS employed compelling new methods to advance conservation, including recording turtles with a hydrophone listening instrument to learn how they “talk” to their young; extracting key genetic information from tiger tissue to better understand canine distemper virus; and monitoring protected areas using a technology that allows park rangers to more efficiently find and catch poachers. These advances and many more are made possible by the generosity of our contributors.

LEFT

Greetings between elephant families like these in Kenya are part of the waterhole ritual.

SUPPORTING GOVERNMENTS

In 2014, WCS field conservation, education, and zoo and aquarium programs benefited from significant government and agency support. We are grateful for their partnership and confidence in our programs.

NEW YORK CITY AGENCIES

Department of Cultural Affairs
Department of Design and Construction
Department of Parks and Recreation
Economic Development Corporation

U.S. STATE AGENCIES

California Department of Fish and Game
Colorado Parks and Wildlife
Idaho Department of Transportation
New York State Department of Environmental Conservation
New York State Division of Homeland Security and Emergency Services
New York State Dormitory Authority
New York State Energy Research and Development Authority (NYSERDA)
New York State Office of Parks, Recreation and Historic Preservation
Northeast States Research Cooperative
Wyoming Game & Fish Department

U.S. FEDERAL AGENCIES

Agency for International Development
Bureau of Land Management
Centers for Disease Control & Prevention
Department of Defense
Department of Education
Department of Energy
Department of the Interior
Department of State
Federal Emergency Management Agency (FEMA)
Fish and Wildlife Service
Forest Service
Geological Survey
Institute of Museum and Library Services
Marine Mammal Commission (MMC)
National Aeronautics & Space Administration (NASA)
National Endowment for the Humanities

National Institutes of Health
National Oceanic and Atmospheric Administration
National Park Service
National Science Foundation
Postal Service

OTHER NATIONAL GOVERNMENT AGENCIES AND INITIATIVES

African Development Bank (AfDB)
Agence Française de Développement (AFD), France
AusAID, Australia
Australian Antarctic Division, Department of Sustainability, Environment, Water, Population and Communities
Austrian Federal Ministry for Agriculture, Forestry, Environment and Water Management through the LifeWeb Initiative
Bauchi State Government (BASG), Nigeria
Bolivian Ministry of Environment and Water
Cambodia REDD+ Taskforce Secretariat (CRTS)
Darwin Initiative, a joint DFID/DEFRA fund, United Kingdom
Department for International Development (DFID), United Kingdom
Economic and Social Research Council (ESRC), United Kingdom
Far Eastern Branch of the Russian Academy of Sciences
Fonds Français pour l'Environnement Mondial (FFEM)
German Agency for International Cooperation (GIZ)
German Development Bank (KfW Entwicklungsbank)
German Federal Ministry for Economic Cooperation and Development (BMZ)
Guatemala Ministry of Environment and Natural Resources

Guatemala National Council of Protected Areas (CONAP)
Japan International Cooperation Agency (JICA)
Japan Ministry of Foreign Affairs
Ministry for Foreign Affairs of Finland
Ministry of Environment, Nature Conservation, and Tourism, Democratic Republic of Congo
Ministry of Foreign Affairs, Norway
Myanmar Government
Natural Environment Research Council (NERC), United Kingdom
Norway International Climate and Forest Initiative (NICFI)
Norwegian Aid Agency (NORAD)
Peruvian Trust Fund for National Parks and Protected Areas
Programa Biocultura, Swiss Agency for Development and Cooperation (SDC)
Singapore Economic Development Board

INTERNATIONAL AGENCIES AND INITIATIVES

Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)
Convention on Migratory Species
European Commission
Global Environmental Facility
Inter-American Development Bank (IDB)
International Whaling Commission
International Union for Conservation of Nature (IUCN)
IUCN Netherlands
Save our Species (SOS) Fund (IUCN, Global Environment Facility, and the World Bank)
The World Bank
United Nations Children's Fund
United Nations Development Program
United Nations Environment Program
United Nations Educational, Scientific & Cultural Organization
Western Indian Ocean Marine Science Association



City and State Support

ABOVE

WCS President & CEO Cristián Samper and John Calvelli, WCS Executive Vice President for Public Affairs (back left), look on as New York City Mayor Bill de Blasio—flanked by City Council Speaker Melissa Mark-Viverito, Cultural Affairs Commissioner Tom Finkelpearl and Immigrant Affairs Commissioner Nisha Agarwal—announces a new Municipal ID program giving participants the opportunity of one year's free membership at more than 30 New York City cultural institutions, including WCS's zoos and aquarium.

WCS is grateful to the City of New York, which provides operating and capital funds through the Department of Cultural Affairs and the Department of Parks and Recreation. We thank Mayor Bill de Blasio, Speaker Melissa Mark-Viverito and members of the New York City Council, and Brooklyn Borough President Eric Adams. The City of New York is vital to the public-private partnership on which WCS's service to the people of New York rests.

WCS is grateful to Governor Andrew M. Cuomo and the New York State Legislature for once again increasing vital support for the Environmental Protection Fund and for one of its programs, the Zoos, Botanical Gardens and Aquariums program, administered by the New York State Office of Parks, Recreation and Historic Preservation. This program provides crucial funding for collections-care needs at more than 80 living museums across the state.

Government and Agency Support to WCS Global Programs

Initiating the third phase of the Central Africa Regional Program for the Environment (CARPE), the U.S. Agency for International Development (USAID) awarded major support for WCS programs in the Democratic Republic of Congo and the Republic of Congo, and continued support for the Andean Amazon through USAID's Initiative for Conservation in the Andean Amazon (ICAA), and for WCS programs in Afghanistan, Cambodia, Mozambique, Paraguay, Rwanda, and South Sudan. The WCS-lead Sustainable Conservation Approaches in Priority Ecosystems (SCAPES) and the PREDICT program in partnership with the University of California, Davis, completed their five-year programs during the year.

The U.S. Fish and Wildlife Service continues to provide significant core support to the WCS marine- and terrestrial species conservation and capacity-

building programs throughout Africa, Asia, and the Americas, and through an umbrella agreement, the National Park Service supports bison and migratory-species conservation, as well as wolverine restoration in North America.

WCS is grateful for continued support from the Australian Aid Agency for International Development; the Austrian Federal Ministry for Agriculture, Forestry, Environment and Water Management; the European Commission; Agence Française de Développement (AFD); the German government; the Global Environment Facility; Norwegian Aid Agency (NORAD) International Climate and Forest Initiative and the Royal Norwegian Ministry of Foreign Affairs; the Save our Species (SOS) fund (founding partners IUCN, GEF, and the World Bank); and the UK Darwin Initiative.

Q&A

Joseph Briller

Joseph Briller began working for WCS at age 16 back in 1985 in the Bronx Zoo Terrace Café. Three decades later he still provides meals but for very different species. As Animal Commissary Manager, Joseph is responsible for ensuring that all animals at WCS's five New York City parks are well fed. That's a lot of hay, carrots, and—for our birds of prey—roughly 8,000 pinky mice every four to six weeks.

You've been with WCS for three decades. What originally brought you here?

I began working at WCS in March 1985, when I was 16 years old. I went to my guidance counselor at Christopher Columbus High School in the Bronx and told him I needed a job to help around the house. I ended up working full-time. I went back to get my GED and then took college courses, eventually earning a certificate in Business Management at Lehman College and a diploma in Animal Science from I.C.S.

Have you always worked in the Animal Commissary?

I first worked as head cook at the Zoo Terrace Café as a seasonal employee. I later transferred to the Animal Commissary Department and became a full-time employee in 1989. Less than a decade later, my immediate supervisor became ill, and I filled his place. First, I was acting manager before becoming Animal Commissary Manager, a role I have to this day. My assignment is to order, receive, maintain, and distribute all the feed and supplies throughout WCS. As an example, I place a produce order for the animals three times a week that includes fruits and vegetables like apples, carrots, yams, and kale. That's roughly \$3,500 a delivery. I'm not sure how much we spend ordering meats, but we'll order chicken, herring, and other items.

Were you drawn to wildlife as a child?

I was just an average kid growing up in the Bronx, but my mother saw how fascinated I was with animals at an early age. I'd ask her if we could



adopt pets. Before you knew it, I had dogs, cats, birds, and rabbits. My mother started taking me to the Bronx Zoo to see other animals. I actually had a picture of me when I was a six-year-old child playing at the Zoo Terrace Café. How amazing that I got started on my career here 10 years after that.

Can you tell us a bit about your daily routine?

Most people are sound asleep when my workday begins. My shift starts at 1 A.M. and ends at 10 A.M. I retrieve all the work orders, including feed or supply requests. That includes everything from bleach to toilet paper for our parks to the food we order for the animals. Interestingly, my supplies are sometimes costlier than the food orders! I then dole out assignments to each of my employees. Typically, when an employee in my nine-person department calls in sick or uses a vacation day, I fill that void. I also took over the Receiving Department last year, so I help manage packages and other deliveries that come into our parks. After the deliveries are unloaded, I fill out orders and touch base with the Purchasing Department. I also respond to e-mails and place orders to vendors from home during normal work hours.

How much food do animals in all five facilities consume a year?

I'm not sure how much food all our animals consume at our five facilities annually, but we go through about 1,500 tons a year in just hay. Just about every animal at the zoo eats it.

ABOVE
WCS Animal Commissary Manager Joseph Briller.

BELOW
Joseph's workday begins at 1 A.M., when most people are asleep. For the next nine hours he oversees the ordering, receipt, maintenance, and distribution of all of the feed and supplies throughout WCS.

“I place a produce order for the animals three times a week that includes fruits and vegetables like apples, carrots, yams, and kale. We go through about 1,500 tons of hay a year.”

How many rodents do our birds of prey consume each month?

The hottest item right now is pinky mice (they're named because of their size). I order 8,000 of them for the bird departments in our parks every four to six weeks. Another popular item in the last year has been papaya. I order about five cases of papaya each week for the bird departments at the Bronx and Prospect Park Zoos. There are nine papayas in a case.

What do you find most challenging?

The first challenge was working a night shift and trying to get up at 11:30 P.M. or midnight to come to work. I worked during the day until I took over my current position. I see how essential a night shift is for my position, though. You have to place orders and tackle deliveries before visitors come to the zoo. I got very little sleep at first, but the shift is manageable now. I've established a balance between my career and my family, which is good news for my wife, three kids, and my two grandkids. In my position, I regularly deal with a range of personalities on all different levels at WCS. Since we provide a service, I aim to establish a good rapport with folks from all the departments through our organization. The most important thing is to make sure all the animals receive their feed order daily no matter what issues arise, including inclement weather.



What is your proudest professional achievement?

My proudest professional achievement had to be in July 1998 when my immediate boss called out sick for the first time in 41 years. I had to step up so the Animal Commissary didn't miss a beat. At the time, my supervisor was the only person in the Animal Commissary who worked the night shift. The staff worked from 6 A.M. to 2 P.M., and we were clueless as to how much work is done overnight. By changing the schedules to 4 A.M. to noon for the majority of staff and 1 A.M. to 10 A.M. for others, we're more streamlined and able to get more done.

How and when is WCS's animal feed distributed?

Thanks to the new shifts, we're able to ensure deliveries are done before patrons arrive at the zoo. We have astronomical amounts of feed, and we can't have anything fly off a truck and potentially hit someone. Besides, it would take up to an hour trying to get through the park on a crowded day versus getting a delivery done at nighttime, which takes mere minutes. We've also split deliveries into three areas staff are responsible for: dry feed, fish and meats, and supplies. Deliveries used to take upwards of six to seven hours before I helped institute this change. Now they take four hours at most.

What is your most memorable wildlife moment in the time you've been with WCS?

I guess I'd have to say it happened around 1989 or 1990. I would usually order and deliver food during times when animals were not in their exhibits. One of the zookeepers invited me to the Wild Asia Monorail, where he'd been training Amur, or Siberian, tigers. He'd trained the tiger to stand on its hind legs. Until you see a tiger stand up, you don't realize how huge it is. This tiger was about 10 feet tall fully stretched. That was a great experience.

*“The sea, the great unifier, is man's only hope.
Now, as never before, the old phrase has
a literal meaning: we are all in the same boat.”*

—JACQUES YVES COUSTEAU, OCEANOGRAPHER



CONSERVATION PARTNERS

With leadership and results dating back to 1895, WCS has evolved into the world's most comprehensive wildlife-conservation organization. The additive strength derived from our parks, our field conservation work, and our global health network is unparalleled. Yet we could never do this work and achieve these results without the collaboration and support of hundreds of partners. With offices across the globe, WCS is well positioned to engage with representatives of government and civil society whose goals align with our science-based conservation mission.

LEFT

To educate New Yorkers about the threats to sharks and rays and encourage an interest in conservation, the New York Aquarium is constructing a new exhibit *Ocean Wonders: Sharks!*

CONSERVATION PARTNERS

Abrams Books	African Elephant Fund (UNEP)	American Association of Zookeepers	ARC—Onderstepoort
Academy of Agricultural Sciences	African Parks Network African	Bronx Zoo Chapter	Veterinary Institute
Aceh Barat Daya District Police	Union—Interafrican Bureau	Columbus Chapter	ARC Centre of Excellence for Coral
Action for Wildlife Organization	for Animal Resources (AU-IBAR)	Dallas Chapter	Reef Studies, James Cook
Adirondack Association	African Wildlife Foundation	Detroit Chapter	University
of Towns and Villages, and	AfriCapacity	Honolulu Chapter	ARC Centre of Excellence for
numerous local communities	Aga Khan Development	Midnight Sun Chapter	Environmental Decisions,
Adirondack Climate & Energy	Aga Khan Rural Support	Milwaukee Chapter	University of Queensland
Action Planning	Programme (AKRSP)	South Florida Chapter	Archie Carr Center for Sea Turtle
Adirondack Common Ground	Agence Congolaise de la Faune	Tucson Chapter	Research (ACCSTR), University
Alliance	et des Aires Protégées (ACFAP)	Tulsa Chapter	of Florida
Adirondack Community Trust	Agence Française de	American Bird Conservancy	Arctic Council
Adirondack Council	Développement (AFD)	American Chamber of Commerce	Arctic Institute of North America
Adirondack Economic	Agence National des Parcs	(AMCHAM)	Área de Conservación Regional
Development Corporation	Nationaux (ANPN)	American Farmland Trust	Comunal Tamshiyacu Tahuayo
Adirondack Land Trust	Agence pour la Recherche	American Fisheries Society	Arizona Game and Fish Department
Adirondack Mountain Club	et la Valorisation Marines	American International University	Arizona Zoological Society/
Adirondack North Country	(ARVAM)	American Legion—Post 213	Phoenix Zoo
Association	Agencia Felicidad	American Museum of Natural	Asian Turtle Program
Adirondack Park Agency	Agriculture Department,	History (AMNH)	Asociación Accidental Comunitaria
Adirondack Park Invasive	Gilgit-Baltistan	American Prairie Reserve	Paiche Takana II
Plant Program	Agroecológicos Tumupasa	American Veterinary Medical	Asociación Balam
Adirondack to Algonquin	Agropecuarias—INIA	Association	Asociación Boliviana de Agentes
Conservation Association	Ailan Awareness	Amicale des Ressortissants	de Conservación (ABOLAC)
Administración de Parques	Ailan Foundation	de Dibwa (AREDI)	Asociación Civil Armonía
Nacionales (Argentina)	Akron Zoo	AMSA	Asociación Colombiana Parques
Administración Nacional de	Alaska Beluga Whale Committee	Amur Leopard and Tiger Alliance	Zoológicos y Acuarios (ACOPAZOA)
Laboratorios e Institutos	Alaska Department of Fish	(ALTA)	Asociación de Canopy de Villa Alcira
de Salud (ANLIS)	and Game	Amur-Ussuri Center of Avian	Asociación de Comunidades
Administración Técnica Forestal	Alaska Eskimo Whaling Commission	Biodiversity	Forestales de Petén
y de Fauna Silvestre	Alaska Marine Exchange	Anchor Club—NYPD	Asociación de Mujeres Waorani
Administration Bureau of Anhui	Alaska Nanuq Commission	Andra Coral Project Andre Vellay	del Ecuador
Chinese Alligator National	Alaska Wilderness League	Angkor Centre for Biodiversity	Asociación de Productores
Nature Reserve	Albatross Task Force/BirdLife	Conservation	Agroecológicos Tumupasa
Administration Bureau of Hunchun	Albert Einstein College of	Animal and Plant Health Inspection	Asociación de Productores de
Amur Tiger National Nature	Medicine of Yeshiva University	Service (APHIS)	Cacao Nativo Ecológico del
Reserve	Alberta Conservation Association	Animal and Plant Health Inspection	Municipio de Mapiri
Administration Bureau of Zhejiang	Alberta Wilderness Association	Service of Environment-Argentina	Asociación de Productores de
Changxing Chinese Alligator	Alcaldía de Laguna de Perlas	Animal Friend Jog Jakarta (AFJ)	Cacao Nativo Ecológico del
National Nature Reserve	Alcaldía de San Juan de Nicaragua	Animal Medical Center	Pueblo Leco de Larecaja
Advanced Conservation Strategies	Alianza Gato Andino	Animal Sanctuary Trust Indonesia	Asociación de Productores de Café
Afghanistan Conservation Corps	Alianza para la Conservación	(ASTI)	Ecológico Regional Larecaja
(ACC)	del Jaguarate	Animal Specialty Center Anti-	Asociación Faunagua
Afghanistan Ministry of Agriculture,	All Russia Research Institute	Smuggling Unit of the Vietnam	Asociación Forestal Integral
Irrigation and Livestock (MAIL)	of Wildlife Management,	Customs Department (Ministry	Asociación Forestal Integral San
Afghanistan Ministry of Economy	Hunting, and Farming	of Finance)	Andrés Petén
Afghanistan Ministry of Education	All Russian Research Institute	Anyuak Recovery Trust (ART)	Asociación Guyra Paraguay
Afghanistan Ministry of Information	for Nature Protection	AP Instituto Nacional de Desarrollo	Asociación para la Conservación
and Culture	Alliance for Coney Island	Forestal y Gestión del Sistema	de la Cuenca Amazonica (ACCA)
Afghanistan Ministry of Justice	Alliance of Marine Mammals Parks	de Áreas Protegidas, Ministerio de	Asociación para la Investigación y
Afghanistan Ministry of Transport	and Aquariums	Agricultura y Bosques (INDEFOR)	el Desarrollo Integral (AIDER)
Africa Nature Organisation (ANO)	Amazon Conservation	Apolobamba National Natural Area	Aspinall Foundation
African Alliance for Development	Association (ACA)	of Integrated Management	Associação de Proprietários de
Action (AADA)	American Association of Zoo	Aquatic Wildlife Conservation Office	Reservas Particulares do
African Conservation Fund	Veterinarians	of Ministry of Agriculture of	Patrimônio Natural de Mato
African Development Bank (ADB)		the PRC	Grosso do Sul



ABOVE

This white-naped crane chick, seen with its parents, is the first of its kind successfully hatched at WCS's Central Park Zoo. White-naped cranes are a migratory species native to East Asia. They are classified as Vulnerable by the International Union for Conservation of Nature (IUCN), with the wild population estimated to be between 5,500 and 6,500 individuals.

Association Belko'o de Deng Deng (ABDD)
 Association Megaptera
 Association of Campesinos Protectors of Bosawás (ACAPROBO), Nicaragua
 Association of Fish and Wildlife Agencies
 Association of Traditional Marine Mammal Hunters, Chukotka (CHAZTO)
 Association of Zoos & Aquariums (AZA)
 Association Ondighi de Kessala
 Association pour la Promotion de l'Élevage en Savane et au Sahel (APESS)
 Association pour la protection des mammifères marins autour de Madagascar (CETAMADA)
 Association Rwandaise des Ecologistes (ARECO)
 Astella Development Corporation
 Audubon
 Audubon Alaska
 Audubon New York
 Australian Marine Mammal Commission
 Aventures Sans Frontières
 Aves Argentinas

AZA Tiger Species Survival Plan Tiger Conservation Campaign
 AZUL
 Badan Pengelola Pesisir dan Laut Terpadu (BPPLT SULUT)
 Bahamas National Trust
 Balai Kawasan Konservasi Perairan Nasional, Kupang
 Balai Taman Nasional Karimunjawa
 Band-e-Amir Community Association (BACA)
 Bangladesh Ministry of Environment and Forests
 Bappeda Kabupaten Lombok Utara, Nusa Tenggara
 Barat Bappeda Kota Sabang, Aceh
 Barnard College, Columbia University, New York
 Bat Conservation International
 Bay Islands Conservation Association
 Bay of Bengal Large Marine Ecosystem (BOBLME)
 BC Hydro and Power Authority
 Bear Trust International
 Beardsley Zoo/Connecticut Zoological Society
 Belize Audubon Society
 Belize Coast Guard
 Belize Fisheries Department

Belize Fishermen Cooperative Association
 Belize Fisherman Federation
 Belize Tourism Board
 Belize Zoo
 Belizean Agriculture Department
 Belmont Business Improvement District
 Beneath the Sea
 Bengkulu Provincial Police
 Berggorilla and Regenwald Direkthilfe
 Bethany College
 Better-U Foundation
 Biblioteca de Puerto Natales
 Big Sky Community Corporation
 Big Sky Natural Resource Council
 Bighole Watershed Committee
 Biodiversity Conservation Agency (Ministry of Natural Resources and Environment)
 Biodiversity Research Institute
 Biomimicry 3.8 Institute
 Biota
 BirdLife International
 Birmingham Zoo
 Black Kettle Farm
 Blackfeet Tribe
 Blackfoot Challenge
 Blank Park Zoo
 Blood Tribe

CONSERVATION PARTNERS



Blue Ocean Institute
Blue Pearl Veterinary Specialists
Blue Ventures
Bluefields Indian & Caribbean University (BICU)
Bogani Nani Wartabone National Park Authority
Bolivian Bat Conservation Program (PCMB—BIOTA)
Bolshe-Khekhtsirski State Zapovednik
Bonobo Conservation Initiative
Border Police of Badakhshan, Ministry of Interior
Born Free USA
Botchinski State Zapovednik
Botswana, Department of Wildlife and National Parks
Bramble Park Zoo
Brandywine Zoo
Brazil's TAMAR Sea Turtle Project
BREC'S Baton Rouge Zoo
Breeze Radio
British Broadcasting Corporation (BBC)
Bronx County Historical Society
Bronx Institute
Bronx Museum of the Arts
Bronx River Alliance
Bronx Science Consortium
Brookhaven National Laboratory

Brooklyn Academy of Music
Brooklyn Aquarium Society
Brooklyn Botanic Garden
Brooklyn Children's Museum
Brooklyn College
Brooklyn Cyclones
Brooklyn Museum
Brooklyn Public Library
Brooklyn V.A. Community Club House
Brown University
BP International
Bua Provincial Office
Buffalo Wool Company
Buffalo Zoo
Bukit Barisan Selatan National Park Authority
Bunaken Marine National Park Authority
Burung Indonesia
Busch Gardens
Cakaudrove Provincial Office
Cala Consultores
California Department of Fish and Game
Cambodia Rural Development Team
Cambridge University
Cambridge University—Protected areas CCI initiative
Canadian Boreal Initiative

Canadian Parks and Wilderness Society
Canadian Wildlife Federation
Canopy
CARE International
Caritas
Carnegie Hall
Cary Institute of Ecosystem Studies
Center for Collaborative Conservation
Center for Elephant Conservation
Center for International Earth Science Information Network (CIESIN)
Center for International Forestry (CIFOR)
Center for Large Landscape Conservation
Center for the Understanding of Nature (CEN), Nicaragua
Central Adirondack Partnership for the 21st Century
Central African Forests Commission (COMIFAC)
Central Amusements International
Central Cooperativa del Valle Sandia (CECOVASA)
Central Indigena del Pueblo Leco de Apolo
Central Veterinary Diagnostic and Research Laboratory

ABOVE

In Tibet's Changtang landscape, WCS works with both the government and local communities to encourage sustainable socioeconomic development while protecting native species that include wild yak, Tibetan antelope, and gazelle.

Centre de Coopération Internationale en Recherche Agronomique pour le Développement (CIRAD)	Centro de Investigaciones de Ecosistemas Costeros	Columbia University, Pediatric Gastroenterology, Hepatology, and Nutrition	Conservation Through Public Health, Uganda
Centre de Recherche en Sciences Naturelles (CRSN)	Centro de Investigaciones Marinas—Universidad de la Havana	Columbus Zoo & Aquarium	Consorcio de Gobiernos Provinciales del Ecuador
Centre de Transfer de Technologies (CTTB)	Centro Nacional Patagónico (CENPAT) CONICET	Comisión Nacional de Áreas Naturales Protegidas (CONANP)	Convention on Migratory Species
Centre for Applied Social Sciences (CASS), Faculty of Social Sciences, University of Zimbabwe	Centro Oriental de Ecosistemas y Biodiversidad	Comité de Gestion des Ressources Naturelles de Konkouati	Cool Culture
Centre for Development Orientated Research into Agricultural Systems	Cheetah Conservation Fund (CCF)	Comité Français de l'UICN	Coopera
Centre for Spatial Environmental Research, University of Queensland	Chester Zoo, UK	Committee for Environmental Protection under the Government of the Republic of Tajikistan	Cooperativa Carmelita
Centre for Wildlife Studies	Chicago Field Museum	Communal Government of Kahkabila	Cooperativa Payun Matru
Centre International de Recherches Medicales de Franceville (CIRMF)	Chicago Zoological Society	Community Empowerment for Progress Organization (CEPO)	Co-operative Department of Belize
Centre National de la Recherche Scientifique et Technologique (CENAREST)	Chimpanzee Sanctuary and Wildlife Conservation Trust (CSWCT), Uganda	Community Markets for Conservation (COMACO), Ltd.	Cooperazione e Sviluppo (Cooperation and Development) (CESVI)
Centre National de Recherche Oceanographiques (CNRO)	China Environmental Protection Foundation	Community Mayors, Inc.	CORFO-Innova
Centre National des Données et Informations Océanographiques (CNDIO)	China Wildlife Conservation Association	Competing Claims on Natural Resources Program	Cornell Cooperative Extension
Centre National des Inventaires d'Aménagement Forestière (CNIAF)	Chittagong University	Comunidad Andina de Naciones —Programa BioCAN	Cornell Lab of Ornithology
Centro Aclimatación Zoológica (CAZ)	Chukot—TINRO	Comunidad Marka Copacabana De Antaquilla	Cornell University
Centro Austral de Investigaciones Científicas (CADIC)	Cibola Farms (VA)	Coney Island Beach Shop	Cornell University College of Veterinary Medicine
Centro Ballena Azul, Chile	Cincinnati Zoo	Coney Island Brighton Beach Open Swimmers (CIBBOWS)	Cornell University Press
Centro Chaqueño para la Conservación e Investigación	Citecamp de la Universidad de Santiago de Chile	Coney Island History Project	Cornell University Sustainable Development Institute
Centro COPAS Sur-Austral de la Universidad de Concepción	CITES Elephant Trade Information System (ETIS)	Coney Island Polar Bear Club USA	Corporación Autónoma Regional de Caldas (COPORCALDAS)
Centro de Acción Legal Ambiental y Social de Guatemala	CITES/Monitoring the Illegal Killing of Elephants (MIKE) Program	Coney Island, USA	Corporación Autónoma Regional de los Valles del Sinú y del San Jorge (CVS)
Centro de Conservación Marina de la Pontificia Universidad Católica de Chile	Citizens Campaign for the Environment	Confederated Salish and Kootenai Tribes	Corporación Autónoma Regional de Tolima (CORTOLIMA)
Centro de Ecología Aplicada de Neuquen (CEAN)	City Atlas	Conseil pour la Defense des Droits des Communautés et la Protection de l'Environnement	Corporación Autónoma Regional de Risaralda (CARDER)
Centro de Estudios Avanzados en Zonas Áridas (CEAZA)	City of Fort Collins	Conseil pour la Défense Environnementale par la Légalié et la Traçabilité (CODELT)	Corporación Nacional Forestal (CONAF)
Centro de Estudios Conservacionistas (CECON), Guatemala	City University of New York (CUNY)	Consejo Asesor Karukinka Indígena del Pueblo Tacana	Council of Jewish Émigré Community Organization
Centro de Estudios de Conservación	City University of New York (CUNY), Institute for Sustainable Cities	Consejo Nacional de Áreas Protegidas (CONAP-Guatemala)	CPAWS—Wildlands League
Centro de Estudios del Cuaternario (CEQUA)	Clark University	Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET)	Craighead Institute
Centro de Estudios del Hombre Austral	Clark's Fork Coalition	Consejo Regional Autónomo del Atlántico Sur	Criminal Investigation Department, Indonesia National Police
	Cleveland Metroparks Zoo and the Cleveland Zoological Society	Consejo Regional T'simane-Moseten	Christian Rossell & Romano Pizzeria
	Clifton Fine Economic Development Corporation	Conservation Association of the Mbe Mountains	Cronulla Fisheries Research Centre
	Clinton Global Initiative (CGI)	Conservation Development Centre	Cross River State Forestry Commission
	Coastal Development Partnership	Conservation Farming Union	Crown of the Continent Conservation Initiative
	Coastal Zone Management Authority and Institute, Belize	Conservation International	Dakota Territory Buffalo Association
	Colegio María Auxiliadora Colombian Foundation for Studies on Parasites (FUNCEP)	Conservation International Conservation Justice (Gabon)	Dakota Zoo
	Colorado Parks and Wildlife Department	Conservation Strategy Fund	Dallas Zoo
	Colorado State University		Dangriga Fisherman Association
	Columbia University, Center for Infection and Immunity		Daniel Kopulus & Fauna, NYC
	Columbia University, New York		Darwin Initiative/DEFRA, UK
			David H. Koch Theater
			Defenders of Wildlife
			Defensores de la Naturaleza
			Delaware State University
			Deno's Wonder Wheel

CONSERVATION PARTNERS

Denver Mountain Parks	Department of Public Health	Directorate General of Rural	EcoAgriculture Partners
Denver Zoo	Badakhshan, Ministry of Public	Community Empowerment,	EcoHealth Alliance
Department for International	Health	Ministry of Home Affairs,	Ecojustice
Development (DFID),	Department of Public Health	Indonesia	Ecología y Biodiversidad—CASEB
United Kingdom	Bamyan, Ministry of Public Health	Directorate of Biodiversity and	Economic Development Board,
Department of Animal Health	Department of Town and Country	Conservation, Ministry of	Singapore
(Ministry of Agriculture and	Planning (DTCP), Malaysia	Forestry, Indonesia	Ecosystèmes Forestiers d'Afrique
Rural Development)	Department of Veterinary and	Directorate of Forest Protection and	Centrale—ECOFAC—EU
Department of Anthropology,	Livestock Development, Zambia	Nature Conservation (PHKA),	Ecuadorian Ministry of the
Washington University	Department of Veterinary Services,	Ministry of Forestry	Environment
Department of Civil & Environmental	Botswana	Directorate of Investigation and	Eijkman Institute for Molecular
Engineering, Massachusetts	Detroit Zoo	Forest Protection, Ministry of	Biology
Institute of Technology	Deutsche Gesellschaft für	Forestry, Indonesia	Eijkman Institute, Jakarta, Indonesia
Department of Education,	Internationale Zusammenarbeit	Directorate of Veterinary Services,	El Museo del Barrio
Badakhshan	(GIZ)	Namibia	Elephant Care International
Department of Education, Bamyan	Development and Environmental	Directorate-General for Maritime	Elephant Conservation Network
Department of Environment,	Law Center (DELIC)	Affairs and Fisheries, Gabon	Elephant Listening Project
Bangladesh	Dewan Pengelolaan Taman	Direktorat Konservasi Kawasan dan	Elephant Livelihood Initiative
Department of Environment, Iran	Nasional Bunaken	Jenis Ikan, Ditjen KP3K,	Environment
Department of Environment and	Dialogo Florestal	Kementrian Kelautan dan	Embajada de EEUU
Conservation, PNG	Diamer Poverty Alleviation	Perikanan Republik Indonesia	(U.S. Embassy, Chile)
Department of Environmental	Programme	Disabled American Veterans—Fort	Empresa Brasileira de Pesquisa
Science, Policy, and Management,	Dian Fossey Gorilla Foundation	Hamilton Chapter 28	Agropecuária (EMBRAPA)
University of California, Berkeley	International	Disney Wildlife Conservation Fund	Empresa de Ecoturismo de San
Department of Environmental	Dickerson Park Zoo	District Administration, Astor	Miguel del Bala
Sciences, Emory University	DINAP-Unidade de Epidemiologia	District Administration, Diamer	Empresa Nacional del Petróleo
Department of Fisheries, Ministry of	Veterinaria Dinas Kelautan dan	District Administration, Ghizer	(ENAP)
Livestock and Fisheries, Myanmar	Perikanan, Kabupaten Aceh Besar	District Administration, Gilgit	Endangered Wildlife Trust
Department of Forests and	Dinas Kelautan dan Perikanan	District Administration, Hunza-Nagar	Energy Smart Park Initiative
Non-Renewable Natural	Kabupaten Lombok Utara,	Ditjen Perlindungan Hutan dan	Enterprise Works/VITAE
Resources Zanzibar (DFNRNR)	Nusa Tenggara Barat	Konservasi Alam, Kementrian	Entreprise HOLCIM
Department of Geography,	Dinas Kelautan dan Perikanan	Kehutanan Republik Indonesia	Environment and Rural Development
Simon Fraser University	Kota Sabang	Dogwood Alliance	Foundation (ERuDeF)
Department of Manus Province	Dinas Kelautan dan Perikanan	Dornod Province Environmental	Environment Canada
Department of Ministry of	Provinsi Aceh	Protection Agency	Environment Society of Oman:
Agriculture, Irrigation and	Dirección de Fauna Silvestre	Ducks Unlimited Canada	Whale and Dolphin Research
Livestock, Badakhshan	(Argentina)	Duke-NUS Graduate Medical School	Group
Department of Ministry of	Dirección de Vialidad Magallanes	Singapore	Environmental Advocates of
Agriculture, Irrigation and	Dirección Forestal y de Fauna	Dunbarton Equine Specialist	New York
Livestock, Bamyan	Silvestre (DGFFS)	Durham University (Mongolia Darwin	Environmental Conservation Trust
Department of Municipality of	Dirección General de Epidemiología	and Tibet grants)	(ECOTRUST)
Wakhan, Badakhshan	(DGE)	Durrell Institute of Conservation and	Environmental Crime Division,
Department of Municipality of	Dirección Regional de Comercio	Ecology (DICE)	National Police, Mongolia
Yakawlang, Bamyan	Exterior Turismo y Artesanía	Dynatec Company-Sheritt (BBOP)	Environmental Defense Fund
Department of National	(DIRCETURA Loreto)	Earth Institute at Columbia	Environmental Investigation Agency
Environmental Protection Agency,	Dirección Regional de la Producción	University	EnviroVet
Badakhshan	de Loreto	Earthjustice	Erasmus Medical Center, Rotterdam
Department of National	Dirección Regional de Salud	East African Community,	Erie Zoological Society
Environmental Protection Agency,	de Loreto (DIRESA)	Department of Environment and	Escuela Agrícola Panamericana
Bamyan	Direction for Biodiversity	Natural Resources (EAC)	Zamorano
Department of New Ireland	Conservation, System of	East African Wildlife Society	Escuela Baudilia Avendaño
Department of Pathology &	Protected Areas (DCBSAP)	Eastern Mongolia Protected Areas	Escuela Bernardo O'Higgins
Immunology, Center for Genome	Direction Générale des Pêches,	Administration	Escuela Ignacio Carrera Pinto
Sciences & Systems Biology,	Gabon	Eastern Mongolian Community	Escuela Patagonia
Washington University School		Conservation Association (EMCCA)	Escuela Santiago Bueras
of Medicine		EcoAdapt	Escuela Villa Las Nieves



ABOVE

WCS has worked to protect the remarkable biodiversity of the entire Greater Madidi-Tambopata landscape in Bolivia and Peru since the late 1990s. The area is home to caimans (pictured), giant otters, jaguars, Andean bears and other majestic wildlife.

Eskimo Walrus Commission
ESRI

Estación Costera de Investigaciones
Marinas

Etablissement d'Enseignement
Supérieur des Sciences
Agronomiques, Université
d'Antananarivo

European Association of Zoos and
Aquaria (EAZA)

Ex-Comisión Nacional del Medio
Ambiente

Exelis

Explora—CONICYT

Ex-Prisoners of War—Key Chapter
Faculty of Veterinary Science,
University of Pretoria

Eyebeam Art and Technology Center
Fauna and Flora International (FFI)

Fazenda Ecológica

Federación Comunas Kichwas
del Río Napo

Federal Departments and Ministries
in Malaysia

Federal Highway Administration

Federal Transit Administration

Fédération des Associations du Parc
National de la Lopé (FAPNL)

FEGS Health and Human Services
System

FHI 360

FICAMS

Fiji Department of Environment

Fiji Department of Fisheries

Fiji Department of Forestry

Fiji Locally Managed Marine
Area Network

FISHBIO

Fisheries Administration, Ministry
of Agriculture, Forestry and
Fisheries, Cambodia

Fisheries Department,
Gilgit-Baltistan

Flint Hills Discovery Center (KS)

Flora y Fauna

Flora y Fauna, Cuba

Flushing Town Hall

Fondation pour les Aires Protégées
et Biodiversité de Madagascar

Fondo de las Americas (FONDAM)

Fondo para la Acción Ambiental
y la Niñez

Fonds Française pour
l'Environnement Mondial (FFEM),
Congo

Food and Agriculture Organization
(FAO)

Food and Rural Development
(FORUDEV)

Fordham University

Forest Department, Belize

Forest Protection Department (FPD),
Forest, Wildlife and Environment

Department, Gilgit-Baltistan Forest
Department, Wildlife Circle Forest
Resources and People (FOREP)

Forestry Administration of
Anhui Province

Forestry Administration of
Guangdong Province

Forestry Administration of
Heilongjiang Province

Forestry Administration of Jilin

Forestry Administration of
Qinghai Province

Forestry Administration of
Tibet Autonomous Region

Forestry Administration of
Zhejiang Province

Forestry Administration, Ministry
of Agriculture, Forestry and
Fisheries, Cambodia

Forestry Directorate, Vietnam
Forina (Indonesian Orangutan
Forum)

Fort Peck Tribe

Fort Wayne Zoological Society

Foundation for the Americas

Foundation Tri-National de la Sanga
(FTNS)

CONSERVATION PARTNERS



Foundations of Success
 FPT Corporation
 Frankfurt Zoological Society (FZS)
 Free the Bears Fund, Inc.
 Freedom to Roam
 Freeland Foundation
 Fresno Chaffee Zoo
 Friends for Conservation and Development
 Friends for Conservation and Development, Guatemala
 Friends of Masoala
 Friends of Nature and Environment (WATALA)
 Friends of the Earth
 Fundação Vitória Amazônica
 Fundació Añihué
 Fundación Ambiente y Recursos Naturales
 Fundación Aquamarinandacion Biodiversidad (Argentina)
 Fundación Cambio Democrático
 Fundación CEQUA—Chile
 Fundación Chile
 Fundación Defensores de la Naturaleza, Guatemala
 Fundación Ecosistemas de Chaco Oriental—ECO (Argentina)
 Fundación Ecológica
 Fundación FUNGI

Fundación La Salle de Ciencias Naturales
 Fundación La Salle de Ciencias Naturales, Venezuela
 Fundación Las Mellizas
 Fundación Loro Parque
 Fundación Moisés Bertoni
 Fundación OMORA
 Fundación para el Desarrollo del Sistema Nacional de Áreas Protegidas (Fundesnap)
 Fundación para el Ecodesarrollo y Conservación (FUNDAECO), Guatemala
 Fundación para la Autonomía y el Desarrollo de la Costa Atlántica de Nicaragua
 Fundación para la Conservación de los Recursos Naturales y Ambiente en Guatemala
 Fundación Patagonia Natural (FPN)
 Fundación Patagonia Sur—Centro MERI
 Fundación Patrimonio Cultural y Natural Maya (PACUNAM)
 Fundación San Ignacio de Huinay
 Fundación Senda Darwin
 Fundación Simón I. Patiño, Centro de Ecología y Difusión
 Fundación Suiza en Puerto Yartou

Fundación Terram
 Fundación Vida Silvestre Argentina (FVSA)
 Fundamazonia
 Fundo Brasileiro para a Biodiversidade—FUNBIO
 Future West
 GalvMed
 Gargiulos
 GEA de la Universidad de Magallanes
 Gigi Lend Me a Hand Band
 Gilgit-Baltistan Environmental Protection Agency
 Gili Ecotrust
 Gilman International Conservation
 GiproRybFlot
 Glacier Two Medicine Alliance
 Global Environmental Facility (GEF)
 Global Ocean Biodiversity Initiative (GOBI)
 Global Viral
 Global Vision International (GVI)
 Global Wallace
 Gobernación de Alto Paraguay
 Gobernación de Tierra del Fuego
 Gobierno Comunal Kriol
 Gobierno Regional de Cuzco
 Gobierno Regional de Loreto
 Gobierno Regional de Puno
 Gobierno Territorial Rama y Kriol

ABOVE

A fishery in Kawthaung, in the southernmost part of Myanmar. Since 1993, WCS has worked in the country to conduct biological surveys, monitor populations of key wildlife species, and aid in the establishment of protected areas.

Good Shepherd Services	Huai Kha Khaeng Foundation	Institute of Zoology, Academy of Sciences	International Forestry Resources and Institutions (IFRI)
Gorilla Organization	Hudson River Foundation	Instituto Baleia Jubarte/Humpback Whale Institute, Brazil	International Fund for Animal Welfare (IFAW)
Goulougo Triangle Ape Project (GTAP)	Human Nature Projects	Instituto Antártico Chileno—INACH	International Gorilla Conservation Programme (IGCP)
Grace Dodge Career & Technical High School	Humane Society International	Instituto de Antropología e Historia, Guatemala	International Institute for Sustainable Development
Great Ape Survival Programme (GRASP)	Humane Society of U.S.	Instituto de Biología Molecular Biotecnología De La Universidad Mayor De San Andrés	International Livestock Research Institute
Greater Yellowstone Association	Hunchun Border Army	Instituto de Conservación de Ballenas (ICB)	International Marine Mammals Trainers Association
Greater Yellowstone Coalition	Hunchun City Government	Instituto de Derecho y Economía Ambiental	International Polar Year (Canadian Federal Government Program)
Green Beagle Environment Institute	Hunchun Forest Public Security Bureau	Instituto de Desenvolvimento Sustentável Mamirauá	International Rural Poultry Centre (IRPC)/KYEEMA Foundation
Green Reef	Hunchun Tianhe Amur Tiger Conservation Association	Instituto de Ecología De La Universidad Mayor De San Andrés	International Society for Infectious Disease
Greenpeace	Hunter College	Instituto de Ecología y Biodiversidad (IEB)	International Union for Conservation of Nature and Natural Resources (IUCN)
GRET—Professionnels du développement solidaire	Hunting the Rez	Instituto de Investigaciones Agropecuarias, Chile	International Whaling Commission (IWC)
Grupo de Estudios Ambientales (GEA)	Ibonga	Instituto de Investigaciones Técnicas Científicas (IITCUP)	International YMCA
Guangdong Forest Public Security Bureau	Ice Seal Committee	Instituto de Investigación en Ciencia Animal y Ecosalud, Facultad de Medicina Veterinaria y Zootecnia, USAC, Guatemala	International Zoo Veterinary Group
Guangdong Sub-Administration of China Customs	Idaho Department Fish and Game	Instituto de la Patagonia	Intertribal Buffalo Council
Guangzhou Bureau of Parks and Forestry	Idaho Transportation Department	Instituto de Pesquisas Ecológicas (IPE)	Inuit Circumpolar Council (ICC)
Guangzhou Office of the State Endangered Species Import and Export Management Office	Independent University	Instituto Fomento Pesquero (IFOP)	Iranian Cheetah Society (ICS)
Gunung Gede Pangrango National Park Authority	IDEXX Laboratories	Instituto Forestal Nacional (INFONA)	Iringa District Council
Gunung Halimun Salak National Park Authority	IEB	Instituto Nacional de Pesquisas da Amazônia	Island Conservation
Gunung Leuser National Park Authority	Indianapolis Zoological Society, Inc.	Instituto Nacional de Salud, Gobierno Regional de Cuzco	Island Conservation Chile
Habitat Ecologique et Liberté des Primates (HELP), Congo	Indonesian Institute of Sciences (LIPI)	Instituto Nacional de Salud, Peru	Islands Foundation
Hanoi University of Agriculture	Indonesian Veterinary Research Center (Balitvet) Bogor	Instituto Nacional de Tecnología Agropecuaria (INTA)	iTaukei Affairs Board
HarimauKita—The Sumatran Tiger Conservation Forum	InsideRSE	Instituto Piagaçu	iTaukei Land Trust Board
Harvard Medical School	Inspection Tiger	Instituto Quinta do Sol	IUCN (Rio Tinto NPI, CCI initiative)
Harvard School of Public Health	Institut Congolais pour la Conservation de la Nature (ICCN)	Instituto Socioambiental, Brazil	IUCN Primate Specialist Group, Great Apes Section
Harvard University Center for the Environment	Institut de recherche pour le développement (IRD), Gabon	InterAction	IUCN/SSC African Elephant Specialist Group—Africa-wide
Health Map	Institut Halieutique et des Sciences Marines (IHSM)	Interagency Grizzly Bear Study Team	IUCN/SSC Asian Elephant Specialist Group
Healthy Reefs Initiative	Institut Pasteur	International Animal Rescue (IAR)	IUCN/SSC Asian Wild Cattle Specialist Group—Saola Working Group in Laos and Vietnam
Heart of Brooklyn	Institute of Applied Science, University of the South Pacific	International Centre for Research in Agro-Forestry (ICRAF)	IUCN/SSC Cat Specialist Group
Heilongjiang Forest Industry Bureau	Institute of Biology and Soils, Far Eastern Branch of the Russian Academy of Sciences	International Centre for Tropical Agriculture (Centro Internacional Agricultura Tropical—CIAT)	IUCN/SSC Crocodile Specialist Group
Henry Vilas Zoo	Institute of Biology, Mongolian Academy of Sciences	International Conservation and Education Fund (INCEF)	IUCN/SSC Iguana Specialist Group
Henry's Fork Legacy Project	Institute of Geography, Far Eastern Branch of the Russian Academy of Sciences	International Conservation Caucus Foundation	IUCN/SSC Shark Specialist Group
Herbario Nacional De Bolivia	Institute of Marine Biology	International Elephant Foundation	IUCN/SSC Tortoise and Freshwater Turtle Specialist Group
Hifadhi ya Mazingira na Utalii Rungwe (HIMARU)	Institute of Marine Sciences of the University of California—Santa Cruz		Ixiamas Municipality
Hive NYC Learning Network	Institute of Museum and Library Sciences		Izaak Walton League of America
Hofstra University	Institute of Natural Resources of the University of Natal		Jackson Hole Conservation Alliance
Honolulu Zoo	Institute of Tropical Forest Conservation, Mbarara University of Science and Technology, Uganda		Jackson Hole Wildlife Federation
Hopkins Fisherman Association			
Hornbill Research Foundation			
Houston Zoo			

CONSERVATION PARTNERS

Jackson Zoo	La Empresa Urrá S.A. E.S.P.	Maharashtra State Forest	Ministère de la Pêche et des
Jacksonville Zoo	La Guardia College	Department, Government of	Ressources Halieutiques,
Jacobi Medical Center	La Paz Zoo	Maharashtra	Madagascar
Jagannath University	Lake Champlain Basin Program	Makerere University—Kampala,	Ministère de l'Economie Forestière
JAGWOOD+, Nicaragua	Lamont Doherty Earth Observatory	Uganda	et du Développement Durable
Jahangirnagar University	—Columbia University	Malaysia Nature Society	(MEFDD)
Jakarta Animal Aid Network (JAAN)	Lampung Provincial Police	Maliasili Initiatives	Ministère de l'Education Nationale,
Jakarta Provincial Police	Land of the Leopard National Park	Management and Ecology of	de l'Enseignement Supérieur,
Jamaica Center for Arts & Learning	Land Tenure Center at the University	Malaysian Elephants (MEME)	de la Recherche Scientifique,
James Cook University	of Wisconsin	Manaus Center for Zoonosis Control	de l'Innovation et de la Culture
Jane Goodall Institute	Landscape Management and	(CCZ)	Ministère de l'Environnement,
Janice Dinegar Boyd	Development (LAMDEV)	Mancomunidad De Municipios	Conservation de la Nature et
Jardín Caperucita Roja	Landcare Research (NZ)	Del Norte Paceño Tropical	Tourisme, Democratic Republic
Jardín Infantil Papelucho	Last Great Ape Organization (LAGA),	Mancomunidad Municipal de la	of Congo
Jaringan KuALA	Cameroon	Amazonía de Puno	Ministère de l'Enseignement
Jilin Wildlife Conservation	Lazovskii Zapovednik	Manga	Supérieur et de la Recherche,
Association	Le Silo National des Graines	Manhattan College	Madagascar
John Jay College	Forestières (SNGF)	Manomet Center for Conservation	Ministère des Eaux et Forêts
Joseph Vance Architects	Leadership for Conservation	Science	(MINEF), Madagascar
Kaa-Iya del Gran Chaco National	in Africa	Manta Marine Pvt. Ltd.	Ministerio de Agricultura, Ganadería
Park and Natural Area of	Lefebre Conservation	Manus Civil Society Forum	y Alimentación (MAGA), Guatemala
Integrated Management	Lehigh Valley Zoo	Marine and Coastal Management,	Ministerio de Ambiente y Desarrollo
Kabul Municipality	Lehman College	Republic of South Africa	Sostenible (MADS), Colombia
Kabul University	Leuser International Foundation	Marine and Coastal Management,	Ministerio de Ambiente y Recursos
Kabul Zoo	Liceo Hernando de Magallanes,	Rogge Bay, South Africa	Naturales, Guatemala
Kadoorie Farm & Botanic Garden	Porvenir	Marine and Fisheries Office,	Ministerio de Ciencia, Tecnología y
Kansas Buffalo Association	Liceo Polivalente Hernando	Minahasa Utara	Medio Ambiente, Cuba
Karnataka State Forest	de Magallanes	Marine Conservation Institute	Ministerio de Obras Públicas
Department, Government	LightHawk	Marine Ecology Group, University	Ministerio del Ambiente y los
of Karnataka	Lincoln Center for the Performing	of Western Australia	Recursos Naturales (MARENA),
Kasetsart University Faculty	Arts, Inc.	Marine Mammal Commission	Nicaragua
of Forestry	Lincoln Institute of Land Policy	Marine Science Association of	Ministerio del Ambiente, Peru
Kavango Zambezi Transfrontier	Lincoln Park Zoo	Myanmar (MSAM)	Ministerio del Medio Ambiente
Conservation Area (KAZA TFCA)	Literacy Inc. (LINC)	Maryland Zoo	de Chile
Secretariat	Little Rock Zoo	Mary Miss/City as Living Laboratory	Ministerio Público, Guatemala
Kelompok Pencinta Laut Kélonia	Livestock and Dairy Development	Massachusetts Division of Fisheries	Ministry Coordination of Public
(The Observatory of Marine	Department, Gilgit-Baltistan	and Wildlife	Welfare (Menkokesra)
Turtles)	Local Level Government in PNG	Max Planck Institute for Evolutionary	Ministry for the Coordination of
Kenya Coast Development Authority	Lola Star Boutique	Anthropology	Environmental Affairs,
Kenya Marine & Fisheries Research	Lola Ya Bonobo, Amis des Bonobos	Maya Lin/What is Missing Project	Mozambique
Institute (KMFRI)	au Congo (ABC)	Mcal. Antonio Jose de Sucre	Ministry of Agriculture, Madagascar
Kenya Sea Turtle Conservation	Long Island Veterinary Specialists	Institute of Technical Scientific	Ministry of Agriculture and Forestry,
Trust (KESCOM)	Lukuru Wildlife Research Project	Research of the Police University	Laos
Kenya Wildlife Service (KWS)	Luna Park—Central Amusement	MedAir	Ministry of Agriculture and Rural
Khabarovsk Fund for Wildlife	International (CAI)	Mentoring USA	Development (MARD), Vietnam
Khabarovskii Krai Society of Hunters	Lundin for Africa	Mercy Corps	Ministry of Agriculture, Forestry and
and Fishermen	Lutheran Relief Service	Metropolitan Museum of Art	Fisheries (MAFF), Cambodia
Khentii Province Environmental	Madagascar Ministry of	Mianus River Gorge Preserve	Ministry of Animal Production,
Protection Agency	Development and Land Use	Microsoft Research (CCI Initiative)	Republic of Congo
Khulna University	Planning	MidAtlantic Regional Council on the	Ministry of Climate Change,
King's College London	Madagascar National Parks (MNP)	Ocean (MARCO)	Pakistan
Kingsborough Community College	Madidi Natural Area of Integrated	Miller Park Zoo	Ministry of Defense, Laos
Kreditanstalt für Wiederaufbau	Management and National Park	Milwaukee County Zoo	Ministry of Defense, Mozambique
(KfW)	Madison Valley Ranchlands Group	Mining Watch Canada	Ministry of Education, Laos
L'École nationale vétérinaire d'Alfort			Ministry of Environment & Forests,
(ENVA)			Government of India



ABOVE

WCS has conducted orangutan conservation work in the Malaysian state of Sarawak since the early 1960s. By the end of the decade, it had become clear that the targeting of these great apes by hunters and pet traders had led to a decline in their distribution in major parts of the state. Since then WCS has helped with local park management, the training of forest guards, and the development of an action plan to identify key existing distributions of orangutans around the Batang Ai-Lanjak Entimau protected area.

Ministry of Environment and Green Development, Mongolia
 Ministry of Environment and Tourism, Namibia
 Ministry of Environment, Bauchi State
 Ministry of Environment, Cambodia
 Ministry of Environment, Direction General Forests, Madagascar
 Ministry of Environment, Uganda
 Ministry of Finance, Afghanistan
 Ministry of Fisheries Development, Kenya
 Ministry of Foreign Affairs, Afghanistan
 Ministry of Foreign Affairs, Laos
 Ministry of Foreign Affairs, Madagascar
 Ministry of Forest Economy, Republic of Congo
 Ministry of Forestry and Wildlife (MINFOF), Botswana
 Ministry of Forestry, Fisheries and Sustainable Development, Belize
 Ministry of Health, Republic of Congo
 Ministry of Higher Education, Afghanistan
 Ministry of Interior (Provincial & District Police), Mozambique
 Ministry of Labour, Thailand

Ministry of Natural Resources and Agriculture, Belize
 Ministry of Natural Resources and Environment, Laos
 ■ Department of Forest Resource Conservation
 Ministry of Natural Resources and Environment, Thailand
 ■ Department of Environmental Quality Promotion
 ■ Department of National Parks, Wildlife and Plant Conservation
 ■ Office of Natural Resources and Environmental Policy and Planning
 Ministry of Public Health and Sports, Bolivia
 Ministry of Research and Education, Academy of Sciences, Tajikistan
 Ministry of Science, Argentina
 Ministry of Sustainable Development, Forest Economy and Environment, Gabon
 Ministry of the Attorney General, Belize
 Ministry of Tourism, Belize
 Ministry of Tourism, Environment and Natural Resources, Zambia
 Ministry of Tourism, Mozambique
 Ministry of Tourism, Uganda

Ministry of Wildlife Conservation and Tourism in South Sudan
 Minnesota Buffalo Association
 Minnesota Zoo Foundation
 Missouri Botanical Gardens
 Mongol-American Cultural Association (MACA)
 Mongolian Customs Agency
 Mongolian General Agency for Specialized Inspection
 Mongolian State Border Defense Agency
 Mongolian State Central Veterinary Laboratory
 Montana Bison Association
 Montana Department of Environmental Quality
 Montana Department of Transportation
 Montana Fish, Wildlife and Parks
 Montana State University
 Montana Wilderness Association
 Montana Wildlife Federation
 Montefiore Medical Center
 Monterey Bay Aquarium
 Moscow State University
 Mote Marine Laboratory
 Mount Sinai Medical Center
 Mountain Conservation and Development Programme (MCDP)

CONSERVATION PARTNERS



Mouvement des Indigènes,
Autochtones et Pygmées du
Gabon (MINAPYGA)
Mpala Research Centre and Wildlife
Foundation
Municipal Art Society of New York
Municipal Government of Orellana
Municipalidad de Porvenir
Municipalidad de Primavera
Municipalidad de Puerto Casado
Mural, Mural on the Wall
Museo de Porvenir
Museo delle Scienze, Trento
Museum of Jewish Heritage
Museum of Natural History:
Noel Kempff Mercado, Bolivia
Museum of the City of New York
Museum of the Moving Image
Muyissi Environnement
Nacional de Áreas Protégidas,
Bolivia
Nacionalidad Sápara del Ecuador
Nacionalidad Waorani del Ecuador
Nagqu Management Sub-Bureau,
Chang Tang National Reserve
of Tibet Autonomous Region
Naples Zoo at Caribbean Gardens
Nashville Zoo
National Aeronautics and Space
Administration

National Agricultural Research
Institute, Papua New Guinea
National Animal Health Laboratory,
Laos
National Audubon Society
National Bison Association
National Botanical Garden of
Belgium (Meise)
National Center for Ecological
Analysis and Synthesis (NCEAS)
National Center of Tropical Diseases
(CENETROP)
National Center of Veterinary
Diagnostic, Ministry of Agriculture,
Tajikistan
National Centre for Biological
Sciences
National Directorate of Veterinary
Services (DNSV)
National Emerging Infectious
Disease Coordination Office
(NEIDCO), Laos
National Environment Management
Agency, Uganda
National Environment Management
Authority (NEMA), Rwanda
National Environmental Education
Foundation
National Environmental Protection
Agency (NEPA), Afghanistan

National Fisheries Authority, Papua
New Guinea
National Fisheries College
National Forest Authority (NFA),
Rwanda
National Forestry Authority, Papua
New Guinea
National Forestry Authority (NFA),
Uganda
National Geographic Society
National Indian Health Board
National Institute for Oceanographic
Data (CNDIO/CENAREST)
National Maritime and Safety
Authority, Papua New Guinea
National Ministry of Health, Peru
National Oceanic and Atmospheric
Administration (NOAA)
National Office for the Environment
(ONE), Madagascar
National Parks Board, Singapore
National Parks Conservation
Association
National Parks Service, Chile and
Argentina
National Research Institute, Papua
New Guinea
National Science and Engineering
Research Council of Canada
(NSERC)
National Science Foundation (NSF)

ABOVE

Students dressed as iconic wildlife in Afghanistan, where WCS has worked since 2006. This year WCS provided technical support for creation of the nation's second national park—in the Wakhan District—that will provide protection for several vulnerable species, including snow leopards and Marco Polo sheep.

National Service of Animal Health and Food Safety (SENASAG)	Nature Fiji-Mareqeti Viti	New Zealand Nature Institute—Initiative for People Centered Conservation (NZNI—IPECON)	Office National des Forêts (ONFI)
National Service of Protected Areas (SERNAP)	Nature Uganda	Newcastle University	Office of Climate Change and Development, Papua New Guinea
National Tiger Conservation Authority, Ministry of Environment & Forests, Government of India	NatureServe Network (AKDN)	Newcourse	Office of the District Governor of Wakhan (Badakhshan)
National Trust for the Cayman Island's Blue Iguana Recovery Programme	Nevada Department of Wildlife	Ngari Management Sub-Bureau, Chang Tang National Reserve of Tibet Autonomous Region	Office of the District Governor of Yakawlang/Band-e-Amir (Bamyan)
National University of Laos	New Ireland Province Learning and Training Network	Nicaragua Armed Forces	Office of the Governor, Badakhshan
National University of Mongolia	New York Blood Center	Nicaragua National Police	Office of the Governor, Bamyan
National University of Singapore	New York Botanical Garden	Nigeria Conservation Foundation	Office of U.S. Foreign Disaster Assistance for Latin America and the Caribbean USAID/OFD
National Wildlife Federation	New York City Ballet	Nigerian Federal Ministry of Environment	Oglala Lakota Sioux Tribes
National Wildlife Health Center, Madison and Honolulu Field Station	New York City Center	Nigerian National Park Service	Okapi Conservation Project
National Wildlife Refuge Association	New York City Department for the Aging	Nigerian Police Service Veterinary Division	Oklahoma Bison Association
Natural Areas Conservancy	New York City Department of City Planning	NOAA, Atlantic States Marine Fisheries Commission (ASMFC)	Omaha's Henry Doorly Zoo and Aquarium
Natural History Museum of the Adirondacks—The Wild Center	New York City Department of Cultural Affairs	NOAA, Bureau of Ocean Energy Management (BOEM)	Oman Ministry of Environment and Climate Affairs
Natural Resources Conservation Agency (BKSDA Aceh)	New York City Department of Design and Construction	NOAA, Mid Atlantic Fisheries Management Council (MAFMC)	Onon Balj National Park Protected Area Administration
Natural Resources Conservation Agency (BKSDA Bengkulu)	New York City Department of Economic Development	NOAA, National Marine Fisheries Service (NMFS)	Ontario Ministry of Natural Resource
Natural Resources Conservation Agency (BKSDA Central Java)	New York City Department of Education	NOAA, Office of National Marine Sanctuaries	Ontario Nature
Natural Resources Conservation Agency (BKSDA Central Kalimantan)	New York City Department of Environmental Protection	Nomadic Nature Conservation (NNC)	Open Space Institute (OSI)
Natural Resources Conservation Agency (BKSDA Jakarta)	New York City Department of Parks and Recreation, Natural Resources Group	Nomrog Strictly Protected Area Administration	Oregon Department of Fish and Wildlife
Natural Resources Conservation Agency (BKSDA Jambi)	New York City Department of Transportation	North Carolina Museum of Natural Sciences	Oregon State University
Natural Resources Conservation Agency (BKSDA Lampung)	New York City Museum Educators Roundtable	North Carolina Zoological Society	Oregon Zoo
Natural Resources Conservation Agency (BKSDA West Java)	New York City Natural Areas Conservancy	North Dakota State University	Organisation Concertée des Ecologistes et Amis de la Nature
Natural Resources Conservation Agency (BKSDA West Kalimantan)	New York City Opera	North Sumatra Military Police	Organisation d'Accompagnement et d'Appui aux Pygmées
Natural Resources Conservation Agency (BKSDA West Sumatra)	New York City Urban Field Station	North Sumatra Provincial Police	Organización del Sector Pesquero y Acuicola del Istmo Centroamericano (OSPESCA)
Natural Resources Conservation Agency (BKSDA Yogyakarta)	New York Hall of Science	Northeast Equine Center	Organización Indígena de la Cuenca del Caura KUYUJANI, Venezuela
Natural Resources Defense Council (NRDC)	New York League of Conservation Voters	Northeastern States Research Consortium	Organización Manejo y Conservación (OMYC), Guatemala
Naturaleza y Cultura Internacional	New York Natural Heritage Program	Northern New York Audubon	Osmose
Nature and Wildlife Conservation Division, Forest Department, Ministry of Environmental Conservation and Forestry, Myanmar	New York State Adirondack Park Agency	North-South University	Oxfam International PNG
Nature Conservancy Canada	New York State Department of Education	Norwegian Agency for Development Cooperation (Norad)	Oxford University Clinical Research Unit (OUCRU)
Nature Harness Initiatives (NAHI), Uganda	New York State Department of Environmental Conservation	Northwest Zoopath	P.S. 1 Contemporary Art Center
Nature Protection Team (NPT)	New York State Department of State Transportation	NY/NJ Baykeeper	P.S. 188
	New York State Energy Research and Development Authority	Nyanga Tour	P.S. 205 Fiorello LaGuardia
	New York State Marine Educators Association	Oakland Zoo	P.S. 329
	New York State Museum	Ocean Conservancy	Pace University
	New York State Olympic Regional Development Agency	Ocean Diving Club, Syiah Kuala University	Pacific Institute of Geography
	New York University	Oceana	Pact
		Oceana Chile	Palm Beach Zoo
		Oceanic Society	Palung Foundation
		Office National de la Chasse et de la Faune Sauvage et Direction de l'Agriculture et de la Forêt, Mayotte—France	Pamir Biological Institute
			PAMS Foundation
			Pan-American Health Organization (PAHO), Bolivia

CONSERVATION PARTNERS

Panthera	Primorskii Krai Society of Hunters and Fishermen	Regulations Department of Guangzhou Customs	Safari Club International
Papua New Guinea Centre for Locally Managed Areas	Princeton University	Reid Park Zoo	Saint Louis Zoo
Parachute Festival	Prodipan	Relief International	Sam Veasna Center
Parks Canada	ProFauna	Rénatura	San Andrés
Parque "Acero Marka Rancho Resort"	Professionals for Fair Development (GRET)	Research and Conservation Foundation of PNG	San Francisco Estuary Institute
Parque Nacional Bahuaja Sonene	Program Konservasi Harimau Sumatera (The Sumatran Tiger Conservation Programme)	Research and Production Agency for Biological Preparations, Academy of Agricultural Sciences State	San Francisco Zoological Society
Parque Nacional del Manu	Programa de Conservación, Gestión y Uso Sostenible de la Diversidad Biológica de Loreto	Veterinary Inspection Services, Ministry of Agriculture, Tajikistan	Sanctuaire des Bonobos du Congo-Lola Ya Bonobo
Parques Naturales Nacionales de Colombia	Programa de Naciones Unidas para el Medio Ambiente (PNUMA)	Réseau d'Initiatives pour la Nature et le Développement Regional et Africain	Sand County Foundation
Parque Pingüino Rey	Project Dragonfly at Miami University	Réseau des Aires Protégées d'Afrique Centrale (RAPAC)	Sansom Mlup Prey
Partenariat Tortue	Projet de l'Application de la Loi Faunique (PALF)	Réseau des Organisation Locales du Lom et Djerem (ROLOM)	Santa Barbara Zoological Park
Partners in Food Solutions	Projet Protection des Gorilles (PPG), Aspinnall Foundation	Reserva Añihue	Santa Rosa de Yacuma Municipality
Partners of the Forum for the Conservation of the Patagonian Sea and Areas of Influence	Projeto Saium de Coleira, Universidade Federal do Amazonas	Reserva Nacional de Calipuy	Santuario Nacional de Calipuy
Partnership for the East Asian-Australasia Flyway (EAAFP)	ProNaturaleza	Reserva Nacional Matsés	Saola Working Group
Patagonia Wildlife	Prospect Park Alliance	Reserva Nacional Pacaya Samiria	Sapienza Università di Roma, Rome (CCI Initiative)
Patrimonio Natural	Protect the Adirondacks	Reserva Nacional Tambopata	Sarasota Marine Laboratory
PCI Media Impact	Protected Areas Conservation Trust, Belize	Resource Africa	Sarteneja Association for Conservation and Development
Peace Parks Foundation	Protected Areas Secretariat, Belize Provincial Administration Offices of Laos	Reyes Municipality	Sarteneja Fisherman Association
People and Carnivores	Provincial Government of Orellana	Rhino Protection Unit/International Rhino Foundation in Indonesia	Save Our Species
People Centered Conservation Mongolia (PCC)	Provincial Government of Pastaza	Rhode Island Zoological Society	SAVE PNG Inc
Peoria Zoo	Public Health Agency of Canada	Right Whale Health Monitoring Program	Save the Elephants
Percy FitzPatrick Institute of African Ornithology, University of Cape Town	Public Theater/New York Shakespeare Festival	RINDRA	Save the Environment of Afghanistan (SEA)
Perkumpulan Celebio	Puerto Rico Department of Fish and Wildlife	Riquelme, Porvenir	Saving Asia's Vultures from Extinction (SAVE)
Perkumpulan PETRA	Queens Botanical Garden	Rocky Mountain Bird Observatory	Scenic Hudson
Persian Wildlife Heritage Foundation (PWHF)	Queens College, SUNY	Rocky Mountain Land Use Initiative	School of Global Environmental Sustainability
Petén Guatemala	Queens Museum of Art	Rocky Mountain Wild	Science and Resilience Institute at Jamaica Bay
Pew Charitable Trusts	Queens Theatre in the Park	Roger Williams University	Scientists from the Alaska Department of Fish and Game
Phoenix Fund	Rachel Carson High School for Coastal Studies	Royal Museum of Central Africa, Tervuren, Belgium	Scientists of the North Slope Borough
Pilon Lajas Biosphere Reserve	RACOMI	Royal Botanical Gardens (Kew)	Sea to Shore Alliance
Pittsburgh Zoo & PPG Aquarium	Rainforest Foundation	Rukwa Environmental Youth Organization (REYO)	Sea Turtle Conservancy
Plan4theLand	Rajshaji University	Rungwe District Council	Seattle Aquarium
Planning and Development Department, Gilgit-Baltistan	Rare	Rupantar	Seatuck Environmental Association
PNG Eco-Forestry Forum	Ratel Trust	Rurrenabaque Municipality	Secretaría de Ambiente y Desarrollo Sustentable, Argentina
PNG Sustainable Development Program	Red de Alta Dirección-Universidad del Desarrollo	Russian Academy of Sciences Far East Branch	Secretaria de Estado do Meio Ambiente e Desenvolvimento, Centro Estadual de Unidades de Conservação (SDS-CEUC)
Point Defiance Zoo and Aquarium	Regional Executive Units of Environmental Health (DGFFS)	Russian Marine Mammal Council	Secretaría de los Recursos Naturales (SERENA)
Police Athletic League	Regional Program for Forest and Wildlife Resource Management—Loreto (PRMRFFS—Loreto)	Russian Ministry of Natural Resources	Sedgwick County Zoo
Pontificia Universidade Catolica do Rio Grande do Sul, Brazil		Ruta Fuegoña	Servicio Agrícola y Ganadero (SAG)
Pontificia Universidad Católica de Chile		Rwanda Development Board (RDB)	Servicio Nacional de Áreas Naturales Protegidas, Perú
Potawatomi Zoological Society		Rwanda Environment and Development Organization (REDO)	Servicio Nacional de Sanidad Agropecuaria e Inocuidad Alimentaria (SENASAG)
Potter Park Zoo		Sacramento Zoo	
Prairie Island Indian Community			
Primate Conservation			
Primorskaya State Agricultural Academy			



ABOVE

From Central Park to Central Asia, WCS is a world leader in the care and conservation of snow leopards. In 1903, the Bronx Zoo became the first zoo in the Western Hemisphere to exhibit these rare spotted cats. Today, the Bronx and Central Park Zoos are home to the most important collection of snow leopards in North America.

Servicio Nacional de Sanidad
y Calidad Agroalimentaria
(SENASA)
Shan Shui Conservation Center
Shanghai Administration
Department of Afforestation and
City Appearance
Shark Advocates International
Shark Legacy
Shark Trust (U.K.)
Shingle Shanty Preserve and
Research Station
Shorefront YM-YWCA
Siberut National Park Authority
Sierra Club
Sikhote-Alin Zapovednik
Simon Fraser University
SIMPONA
SMART Partnership
Smithsonian Institution
Snow Leopard Foundation (SLF)
Snow Leopard Trust (SLT)
Snug Harbor Cultural Center
& Botanical Garden Sociedad
Peruana de Derecho Ambiental
(SPDA)
Society for Conservation Biology
Society for Marine Mammalogy
Socio Bosque Program
Soekarno-Hatta Airport Quarantine

Soekarno-Hatta International Airport
Customs
Solicitor General's Office, Belize
Sonoran Institute
South African National Parks
(SANParks)
South African Veterinary Foundation
South Brooklyn Youth Consortium
Southern African Development
Community (SADC)
Southern Environmental Association
Spectrum
Squalus (German Elasmobranch
Society)
Stanford University
State Departments of Johor, Pahang
and Sarawak
State Endangered Species Import
and Export Management Office
State Forestry Administration,
PR China
State University of New York, College
of Environmental Science
and Forestry
Staten Island Children's Museum
Staten Island Historical Society
Staten Island Museum
Staten Island Zoological Society
Staying Connected Initiative
Partners
Steppe Forward Programme (SFP)

Stevens Institute of Technology
Stockholm University
Stony Brook University
Studio Museum in Harlem
Suaka Elang (Raptor Sanctuary)
Sueb Nakasatien Foundation
Sukhbaatar Province
Environmental Protection Agency
Sumatran Elephant Forum
Sumatran Orangutan
Conservation Program (SOCP)
Summit Institute of Development
Supreme People's Procuracy
Sustainable Development &
Biodiversity Conservation in
Coastal Protection Forest
(SDBC-Sundarbans, German
Development Cooperation (GIZ)
Swiss Agency for Development and
Cooperation
Switzerland Embassy
Tanah Karo District Police
Tany Meva Foundation
Tanzania National Parks (TANAPA)
Tanzania Natural Resources Forum
(TNRF)
Tanzania Wildlife Research Institute
(TAWIRI)
Temaiken
Terrapin Bright Green

CONSERVATION PARTNERS

Territorial Authority of Ten Indigenous and Afro-Descendant Communities of the Pearl Lagoon Basin	Theodore Roosevelt Conservation Partnership	United Nations Educational, Scientific and Cultural Organization (UNESCO)	Universidad Católica del Ecuador
Teton Regional Land Trust	Tibet Wildlife Conservation Association	United Nations Environment Program (UNEP)	Universidad Católica del Norte
Teton Science School	Tiger Research and Conservation Trust	United Nations Food and Agricultural Organization—Emergency Centre for Transboundary Animal Diseases, Regional Office for Southern Africa (FAO-ECTAD)	Universidad de Buenos Aires (UBA)
Texas Bison Association	Titian Foundation	United States Africa Command Headquarters, U.S. Armed Forces, Africa (AfriCom)	Universidad de Magallanes
The Adirondack Forty-Sixers	Toledo Institute for Development and Environment (TIDE)	United States Agency for International Development (USAID)	Universidad del Rosario, Colombia
The Anti-Smuggling Criminal Investigation Bureau of the General Administration of Customs, China	Toledo Zoo	United States Bureau of Land Management (BLM)	Universidad del Valle, Colombia
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The Center for Tropical Forest Science of the Smithsonian Tropical Research Institute	Total S.A.	United States Coast Guard (USCG)	Universidad Nacional de Córdoba (Argentina)
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The Congolese Center of Environmental Data Collection	TRAFFIC	United States Department of Defense	Universidad Nacional de Misiones (Argentina)
The Environmental Conservation Trust Fund of Uganda (ECOTrust)	Transportation Security Administration (TSA)	United States Department of Interior	Universidad Nacional de Tumbes
The Green Club Green Group of Afghanistan (GGA)	Travesía	United States Environmental Protection Agency	Universidad Nacional del Litoral
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The Madagascar Protected Areas and Biodiversity Foundation	Trenton Science Museum	United States Fish and Wildlife Service—Marine Turtle Conservation Fund	Universidad Peruana Cayetano Heredia (UPCH)
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The Nature Conservancy (TNC)	Trodden International	United States National Institute of Allergic and Infectious Diseases	Universidad San Francisco
The Nature Conservancy of New York	Trout Unlimited	United States National Marine Fisheries Center	Universidad Santo Tomás
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The Ocean Project	Tug Hill Commission	United States Naval Medical Research—Unit Six (NAMRU-6)	Universidade de São Paulo
The Picture House of Pelham, New York	Tug Hill Tomorrow Land Trust	Universidad Austral de Chile	Universidade Eduardo Mondlane, Mozambique
The River Project	Tullow Oil	Universidad Autónoma Gabriel René Moreno (UAGRM)	Universidade Estadual de São Paulo —Rio Claro
The Royal Foundation of The Duke and Duchess of Cambridge and Prince Harry	Tulsa Zoo		Universidade Federal ABC
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The University of Hong Kong	Turner Endangered Species Fund		Universidade Federal do Amazonas
The University of Vermont's Gund Institute of Ecological Economics	Turtle Conservancy		Universidade Federal do Rio Grande do Norte
The Urban Assembly Harbor School	Turtle Conservation Fund		Universitas Negeri Papua
The Vital Ground Foundation	Turtle Survival Alliance		Université de La Rochelle, France
The Wild Center	Two Countries, One Forest		University Malaysia Sarawak: Institute of Biodiversity and Conservation
The Wilderness Society	Uganda Wildlife Authority (UWA)		University of Antananarivo, Faculty of Sciences
The Wildlands Network	Ujamaa Community Resource Trust (UCRT)		University of Belize
The Wildlife Society	Ulaanbaatar City Agency for Specialized Inspection		University of California, Berkeley School of Public Health
The World Bank	Ulayat Foundation		University of California, Davis Wildlife Health Center
The World Bank's Corazón del Corredor Project, Nicaragua	UMPKY Patrol		University of California, San Diego: Scripps Institution of Oceanography
	UNEP Convention on Migratory Species		University of California, Santa Barbara
	UNEP WCMC (CCI Initiative)		University of California, Santa Cruz
	UNICEF		University of Cape Town
	Unidad De Limnología Del Instituto De Ecología De La Universidad Mayor De San Andres		University of Colorado, Boulder
	Union of Beekeepers' Cooperatives of Nyungwe National Park (UBWIZA BWA NYUNGWE)		
	Union of Concerned Scientists		
	Unique Forest and Land Use		
	United Nations Development Program (UNDP)		

University of Connecticut	Village Focus International	World Organization for Animal
University of Dar es Salaam	Virginia Polytechnic Institute and	Health Sub-Regional
University of East Anglia	State University	Representation for Southern
University of Exeter's Marine Turtle	Virginia Zoo	Africa (OIE)
Research Group, UK	Wageningen University—Plant	World Resources Institute
University of Florence, Italy	Production Systems Group	World Wide Fund for Nature
University of Florida, Center for	Wakhan Pamir Association (WPA)	World Wildlife Fund
African Studies	Washington Avenue Merchants	Wyoming Department
University of Glasgow	Association	of Transportation
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University of Kent (CCI Initiative)	Wave Hill	Fish Department
University of KwaZulu-Natal	Way Kambas National Park Authority	Wyoming Land Trust
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University of Miami	Western Environmental Law Center	Yale University's Occupational and
University of Michigan	Western Forest Complex	Environmental Medicine Program
University of Minnesota	Conservation Foundation	YAPEK A (Nature Conservation
University of Montana	Western Governors Association	Education Foundation)
University of Nevada-Reno	Western Indian Ocean—Consortium	Yayasan Apiculata Manado
University of Papua New Guinea	(WIO-C)	Yayasan Badak Indonesia
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University of Wisconsin	Wild4Ever Foundation	Yayasan Terangi
University of Wyoming	Wild4Life	Yayasan Wahana Liar
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Conservation	Wildlands Network Wildlife Alliance	Company
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Vermont Center for Ecostudies	Wildlife Department of Primorskii	YWCA Coney Island
Vermont Natural Resources Council	Krai	Zambia Wildlife Authority (ZAWA)
Veterinarios sin Fronteras Canada	WildLife Direct	Zanzibar Animal Affection Society
Veterinary and Animal Breeding	Wildlife Division (WD)	(ZAASO)
Agency, Ministry of Industry	Wildlife Institute of India	Zoo Atlanta
and Agriculture	Wildlife Reserves Singapore	Zoo Boise
Veterinary Medical Center of	Wildlife Trust Alliance	Zoo New England
Long Island	Wildtracks	Zoo Zürich
Veterinary Research and Diagnostic	Wind River Ranch Foundation	Zoological Society of London (ZSL)
Laboratory Cochabamba	Winter Wildlands Alliance	Zoological Society of San Diego
(LIDIVECO)	Woodland Park Zoo	Zoológico Municipal Vesty Pakos
Veterinary Society for Sumatran	WorkAC	Zov Taiga
Wildlife Conservation (VESSWIC)	Working Dogs for Conservation	Zov Tigra National Park
Viceministry of Environment, Bolivia	World Food Organization	Zshuk Art Initiative
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ABOVE

Elephant mothers keep their calves close. WCS Staff Photographer Julie Maher captured this image in Kenya of a mother elephant and her baby, pumping its legs to keep up.

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Emily Stoeth
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Queens Zoo Education

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Creative Director
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Architectural Designer
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Exhibit Specialist
Noah Schenk
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Jessica Moody, Brandon Moore,

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Lacy Clifford, Kitty Dolan, Danielle
Hessel, Florence Klecha, Kathleen
MacLaughlin, Douglas Mase, Noel
Perriello, Phillip Reiser, Sabrina
Squillari, Gerard Stark
Senior Wild Animal Keepers

ABOVE

Stewarded by WCS, the non-profit
company Community Markets
for Conservation (COMACO) has
been working in Zambia since
2003 to help poor farmers improve
their skills, grow surpluses, and
receive above-market prices for
their produce in exchange for
meeting conservation targets.

Avril Armstrong, Adele Barone,
Taryn Beasty, Anthony Buffill, Cari
Camizzi, Kelly Cochran, Veronica
Correa, Katherine D'Andrea, Lauren
DelGrosso, Deanna DeRosa, Linda
Edge, Juliet Elkins, David Fernandez,
Carlos Flores, Mary Gentile, Amy
Golden, Sara Gonzalez, Mary
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Huth, Vanessa Jones, Kaitlyn Keys,
Sara Koplish, Ashley Kulbacki,
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Mitchell, Douglas Morea, Erin
Mowatt, Joseph Nappi, Carolyn
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Nugent, Sarah Parisi, Jonathan
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Walker, Tiffany Warno, Mike Wrubel,
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Supervising Maintainer

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Maintainer

Lawrence D'Erasmus

Maintainer

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Children's Zoo, Butterfly

Garden, Camel Rides,

Wildlife Ambassador Center

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Collections Manager

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Torres, Roxana Watts

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Gail Bonsignore

Records Assistant

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ZIMS Intern

Life Support Systems

Jason Wagner

Life Support Technician

Animal Commissary

Joseph Briller

Animal Commissary Manager

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Guillermo Guzman, John King

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Jim Lo

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Patricia Peters

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Kennedy Samuels

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Luis Barreto, Steven Carr,

Jesus Padilla, Gregory Upshaw,

James Williams, Ralph Zamboli

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Martinez, Maribel Perez, Robert

Rosario, Donald Thompson

Assistant Zoological Park

Maintainers

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Executive Director

Pest Control

Sergio Rivera

Manager

Azaad Gaffar

Assistant Manager

Salvador Velez

Pest Control Applicator

Milton Roberts-Beckford

Part-Time Pest Control Applicator

Cogeneration

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Sanjeev Seodas, Dervent Silvera

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Michael Santomaso

Assistant Director

Laurel Toscano

Administrative Assistant

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Kalmanowitz, Marconi St. Hill,

Robert Stillwell, Nathaniel Torres

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Benedetto Cardillo, Joseph Corry,

Francis Cushin, Mauro D'Amore,

Robert Gonzalez, John Illenye, Steve

Kozy, Ramon Mendoza, Alison

Modeste, Winston Newton, Nicholas

Perrone, Nelson Prado, Rucaldeau

Renondeau, Frank Sausto, Edward

Scholler, Emmanuel Toledo

Zoological Park Maintainers

Maintenance

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Assistant Director, Maintenance,

Curator of Horticulture

Dermott Cashman

Supervisor

John Sperlongano

Assistant Manager

Anthony Corvino

Supervising Park Maintainer

Raquel Camacho

Administrative Assistant

Michael Locascio

Zoological Park Maintainer

William Castro Jr., Carlos Figueroa,

Orlando Figueroa, Gabriel Gomez,

Santos Gonzalez, Othniel Gulley,

Zachery Laino, Mary Martin, Abdul

Mohammed, Daniel Montalvo,

Michael Sbarbori, Jourdon Williams

Assistant Zoological

Park Maintainers

Michael Illames, Sonia Kalmanowitz,

Maria Maldonado

Senior Attendants

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Attendants

Jeffrey Taylor

Supervising Motor Vehicle Operator

Rafael Adorno, Joel Annunziato, Harry Basdeo, Anthony Petrone
Motor Vehicle Operators

Horticulture

James Coelho, Paul Fialkovic, Robert Herkommer, David Hyde
Gardeners

David Rosenthal
Zoological Park Maintainers
Kevin Bermeo, Ivonne Lopez,
Lloyd Pearson
Assistant Zoological
Park Maintainers

CENTRAL PARK ZOO

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Director of City Zoos and Director
of Central Park Zoo

Stephen Carey
Assistant Facility Director
Noemi Medina
Receptionist/Department
Assistant

Animal Programs

Susan Cardillo
Curator of Animals
Mary Iorizzo
Collection Manager
Dave Autry
Animal Supervisor
Elias Venetsanos
Assistant Animal Supervisor
Bernadine Leahy
Senior Veterinary Technician

Nora Beirne, Kelly Jean Boghossian, Robert Gramzay, Melissa Mason
Senior Wild Animal Keepers
Celia Ackerman, Kyle Germano, Tumeca Gittens, Luis Jimenez, Bryan Lassegard, Jean Mora-Guzman, Nicholas Newman, Angel Ocasio, Thomas Seals, Kimberly Smith, Veronica Thomas, Courtney Torregrosa, Elizabeth Wetherhold, Andrew Wood
Wild Animal Keepers

Operations & Maintenance

Igor Labutov
Director of City Zoos Operations
and Maintenance

Edwina Jackson
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Mong Lee
Assistant Manager/Systems
Specialist

Michael Nedd, Marlon Ragbir
Maintenance Supervisors
Mauro D'Amore, Richard Deonarine, Nasrali Hosein, Alistair Johnson, Rabindranath Lowtoo, Sunildat Persaud, Jose Torres
Zoo Park Maintainers

Robert Brinson, Wayne Martin
Attendant Supervisors

Eusebia Alvarez, Joshua Doval, Ramdhannie Dwarka, Francis Francisco, Crystal Kinlaw, Jeremy Lloyd, Angela Rodriguez, Leighton Stone, Lakisha Terry, Robert Veerapen
Zoo Park Attendants

Horticulture

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Manager of Horticulture for
City Zoos

Security

John Geist
Manager of Security
John Schrynemakers
Assistant Manager of Security
Fitzroy Neufville
Maintainer
John Bohan, Carlton Davidson, Alberto Gonzalez, John Joseph,

Marilyn Maldonado, Frederick Miller, Nestor Morera, Nixon Nedd, Antonio Nunez, Jaime Pagan, Everton Pearson, Jabriel Perez, Ramanen Veerapen
Assistant Zoo Park Maintainers

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Ray Davis

Executive Director for New Project Administration

Joan Shovlin

Executive Assistant to Director

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Roger Williams
Dive Safety Officer, Volunteer Dive
Program and Animal Husbandry
Volunteer Coordinator

Martha Hiatt
Supervisor, Behavioral Husbandry
Guenter Skammel
Senior Trainer

Angela Coccoma, Cristina Mendonca
Trainers

Ellen Spencer, Hans Walters
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Senior Keepers

Kayla Bergman, Nicole Ethier, Karen Mezynski, Stephanie Mitchell, Lora Murphy, Nicole Pisciotta,

Sal Puglia

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Aquatic Health and Living Systems

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and Living Systems
Marisa Ostek, Patricia Toledo
Veterinary Technicians

Plant Engineering

Dennis Ethier
Director of Plant Engineering

Melvin Pettit
Manager of Facilities
Kenneth Prichett, David Scheurich, William Sheehan, Michael Tine
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Richard DiStefano, Rafael Ramos
Maintainers
Christopher Hackett
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Park Security Maintainers
Diana Barreto, Carlos Emiliano, Alfred Escalera, William Green, Christopher Quiles, Hector Weir
Assistant Park Security
Maintainers

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Supervisor, Buildings

José Gonzalez
Supervising Attendant
Raul Domenech, Peter Inesti, Eldwin Lebron, Alicia Shannon, David Williams
Attendants

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Program Director
Noah Chesnin
Policy Program Manager
Jake Labelle, Hans Walters
Field Scientists

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Ann Soobrian
Administrative Assistant

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Peter Laline
Curator
Nichole Shelmidine
Supervisor
Katelyn Massarone
Assistant Supervisor
Angela Perry
Veterinary Technician



ABOVE

The marbled four-eyed frog (*Pleurodema marmoratum*) is one of several amphibian species WCS has been following in the Peruvian Andes as part of an investigation into the impact of climate change on frog and toad populations.

Gwen Cruz, Jennifer Greig,
Brittany Murphy, Frances Verna
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Juan Choy, Shannon Curley,
James Gottlieb, Astra Kalodukas,
Atu Marshall, Denielle Muoio,
Tierney O'Neal, Andrea Reimold,
Justine Wilber
Wild Animal Keepers

Operations & Maintenance

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Manager
Gary King
Assistant Manager
Oscar Ceron
Supervising Maintainer
Terrie Francis, Reginald McKenzie,
Chaitram Singh, Shivanand Sookdeo
Zoological Park Maintainers
Selwyn Ramnaidu
*Assistant Zoological Park
Maintainer*
Jamaal Bedeau
Supervising Attendant
Luis Cruz, Stacey Cummings,
Eisha Johnson, Takquan McGill,

Angelita Rivera, James Savastano
Park Attendants

Security & Admissions

Ken Norris
Manager
Eddie Wright
Assistant Manager
Joanne Carrillo
Supervisor
Kadeshia Brown, Rosa Ellis,
Michael Fazzino, David Hernandez,
Raheim Lloyd, David McPherson,
Yolanda Smith, Jennifer Soto,
Marvin Toribio, Rumaldo Vazquez,
Milton Williams
*Assistant Zoological
Park Maintainers*
Lola Chung, Brenda Martinez,
Nicole Smith, Suheilee Vasquez
Ticket Agents

QUEENS ZOO

Scott C. Silver
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Curator of Animals*

Animal Programs

Craig Gibbs
Assistant Curator of Animals
Monica Negron-Cottle
*Administrative Assistant and
Volunteer Coordinator*
Donna-Mae Graffam, Mark Hall
Supervisors
Marcy Wartell Brown, Marcos Garcia,
Dana Vasquez, Raul Vasquez
Senior Wild Animal Keepers
Kelly Carmen, Margaret Doutre,
Barbara Fung, Sosha Fusco, Ira
Goldman, Susan Makower, David
Morales, Dan Motherway, Erin
Rosebrock, Christopher Scoufaras,
Gretchen Stoddard, Melanie Weber
Wild Animal Keepers
Melissa Ortiz
Veterinary Technician

Operations & Maintenance

Jeffrey Blatz
Manager
James Wohlmaker
Supervisor

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Eugene Texeira, Bo Yang Tian,
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Supervising Attendant

Carolina Becker, Johanny Salcedo,

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Manager

Richard Godas

Assistant Manager

Paul Fairall

Supervisor

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Anthony Mark, Garfield McEachron,

Carlton Nelson, Rafael Nieves, Alexis

Ogando, William Rosado, Dhandeo

Shankar, Michael Williams,

Vilson Zeko

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Tyler, Juraj Ujhazy, Lisa Yook

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Robert Rose

Assistant Director

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Christina Imrich, Danielle LaBruna,

Kate Mastro, Nalini Mohan, Timothy

O'Brien, Samantha Strindberg

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Dan Segan, Jim Tolisano,

Stephanie Wang

ABOVE

This parrot snake (*Leptophis ahaetulla*) is found in Bolivia's magnificent Madidi landscape. Ranging in elevation from Amazonian lowlands only 150 feet above sea level to snow-capped peaks at almost 20,000 feet, Madidi is the most biodiverse natural area in the world.

PROGRAM DEVELOPMENT

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McDonald, Ishaani Sen, Alicia

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Fahrni-Mansur, Angela Formia,

Cecilia Guerrero, Victor Huertas,

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Reuter, Hilmar Salazar, Brian Smith

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Aristide Andrianarimisa,

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Christopher Holmes, Jean Jacques

Jaodzandry, Tiana Raharitsimba,

Césaire Ramilison, Bemahafaly

Randriamanantsoa, Luccianie

Raonison, Dimby Razafimpahanana

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Nilton Cuna, Justino Davane,

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Rogério Lobo, Carlos Lopes Pereira,

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Sebastiao Saize, Morven Afonso

Santana, Neil Stronach,

Anabela Uacitela

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Andrew Dunn, Jonathan Eban,

Nachamada Geoffrey, Inaoyom

Imong, Kingsley Madueke, Celestine

Mengnjo, Ogechi Nwachukwu, Louis

Nkonyu, Gilbert Nyanganji,

Francis Okeke

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Vincent Hakizimana, Charles

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Joel Musaasizi, Joseph Ngango,

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Fidele Ruzigandekwe, Celestin

Sebashyitsi, Claudine Tuyishime,

Sentama Vedaste

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Unyango Amujo, Rebecca Angwench,

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Kamau, Emmanuel Kemish, James

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Isaac Malish, Tyson Maithya, Soqui

Mendiguetti, Pach Michael, Alex

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Mohamed, Margaret Muokie, Joseph

Nylim, Lynette Nzasu, John Oboch,

Martin Ojja, Bush Oling, Onyango

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Mbano, Vicky Mbofu, Ali Mbugi,

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ABOVE

WCS conservation efforts are protecting a wide variety of plant species globally. In addition to their intrinsic value, plants provide an untold number of ecosystem services that affect everything from the clothes we wear and the food we eat to the air we breathe.

Mongolia

Otgonsuren Avirmed, Uugantsetseg Batgerel, Buuveibaatar Bayarbaatar, Onon Bayasgalan, Tanyatuya Demberel, Ann Edwards, Bat-Erdene Gombosuren, Losolmaa Jambal, Sergelenkhuu Jambal, Ochirkhuyag Lkhamjav, Kina Murphy, Odonchimeg Nyamtseren, John Payne, Tsend-Ayush Perenlei, Bolortsetseg Sanjaa, **Enkhtuvshin Shillegdamba**, Dashzeveg Tserendeleg, Narantsatsral Urtnasan

Myanmar

U Yè Min Aung, U Nyat Aung, U Pyi Phyo Aung, Daw Zi Sar Aung, U Zeya Aung, U Yin Htan Zin Bay, U Sarat Dee, Daw Naw Ser Eh, U Myo Htay, Daw San San Htay, Daw Aung Pri Htoi, U Saw Htun, Daw May Thanda Htut, U Hla Kham, U Ya Hti Nam Khim, U Gumring JungKum, U Win

Ko Ko, U Kut Kwi, U Kyaw Thinn Latt, U Sein Day Li, U Naing Lin, U Bran Mai, Daw Kying Hau Mann, Daw Khin Than May, U Kyaw Moe, U Ham Myaung, **U Than Myint**, Daw Zar Chi Myo, Daw Khin Myo Myo, U Hla Naing, U Win Naing, U Thet Zaw Naing, U Saw Hay Nay, U Wan Ngan, Daw San Nwan, U Aung Htet Oo, Daw Myint Myint Oo, U San Oo, Daw Hnin Pale, U Saw Eh Khu Phoe, U Saw Htoo Tha Po, U Aung Sain, U Lang Sam, U Kau Du Aung Sar, U Gushin Aung Sar, U Chan Phon Sar, U Min Set, U T Dee Shin, U Kyi Shwin, U Sambung Sin, Daw Cho Cho Sint, Daw Me Me Soe, U Naw Taung, U Soe Than, Daw Naw May Lay Thant, U Kyaw Hla Thein, Robert Tizard, Daw Naw Valuable, U Ham Wah, U Chit Wai, U Kyaw Zay Ya, Daw Khin Htwe Yin, U Htin Ko Ko Zaw, U Than Zaw, U Sannaing Moe Zein, U Gushin Dee Zi

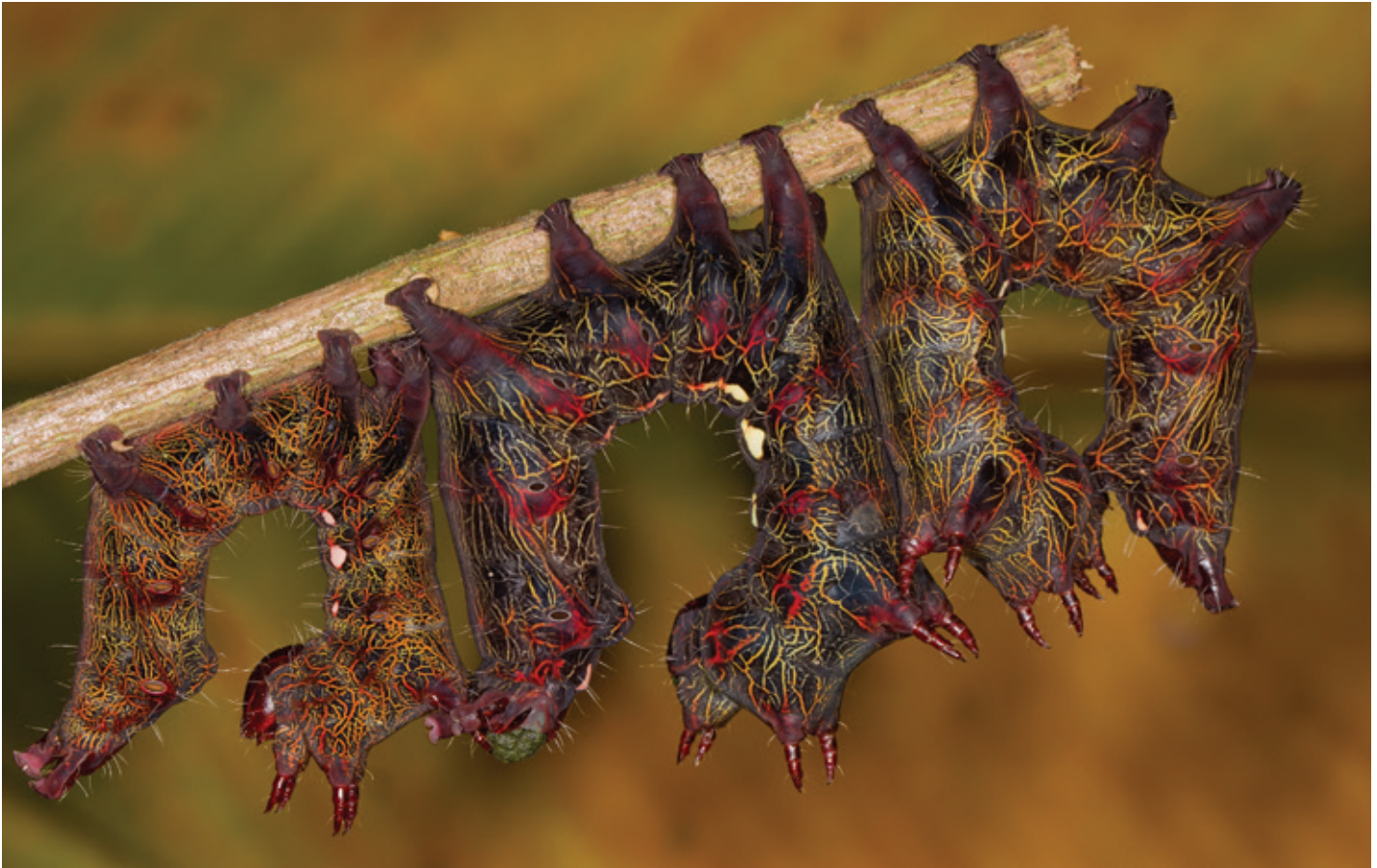
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This caterpillar is one of more than 1,000 butterfly and moth species documented by WCS in Bolivia's Madidi National Park.

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ABOVE

The James's Flamingo is one of three flamingo species in need of conservation in the Altiplano of South America. These species and the Lesser Flamingo of Africa are the renewed focus of WCS in protecting these iconic birds. Chilean and Caribbean Flamingos continue to be exhibited at the Bronx Zoo.

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Q&A

Nilda Ferrer

Nilda Ferrer brings more than three decades of experience to her role as Curator of Animal Management Services for WCS. Managing the transfer and shipment of animals to and from WCS's New York City-based zoos requires enormous coordination. Here she describes her daily challenges, her love for orangutans, and the time a Bronx Zoo gorilla flew first class.

How did you come to work with WCS and how long have you been here?

I began my career at WCS in 1982, and I worked part-time for the first three years while attending Fordham University in the Bronx. My sister's next-door neighbor worked at the Bronx Zoo and had encouraged me to apply. During my college years, I worked half the day at the zoo library and would spend the other half with the Bird Department, computerizing their egg database. I earned a bachelor's degree in computer systems and information management at Fordham. In 1985, I was hired full-time to work in the Records Department, where I began computerizing animal records that had been maintained on paper since 1899.

Did you grow up around animals?

I come from a small peninsula in Puerto Rico surrounded by a bay. The bay has all these mangroves, which I found fascinating as a kid, and I would see the birds and fish around them. My father owned cattle, and in our backyard we had chickens, ducks, and pigs. I'd chase the chickens so I could grab the eggs, but a large goose we had would chase me. I hadn't seen wild animals up close until I visited the Bronx Zoo as a youngster.

Describe your typical day at the office.

The department I head ensures we're in compliance with federal agencies for the animals in our collections. These include the U.S. Dept. of Agriculture (USDA), U.S. Fish and Wildlife Service, National Marine Fisheries Service, Centers for Disease Control (CDC), as well as other state and local agencies. We also collect, maintain, and



manage detailed information on the animals in our collections on a daily basis. Lastly, we oversee the local, interstate, and international transfer of animals by land and air. I have a great staff that processes over 200 shipments annually. Meeting the permitting requirements for a transfer can take several months to a year. The transport itself requires coordination among the curatorial staff, zookeepers, veterinarians, and others. People are amazed to learn that animals are moved between zoos on a regular basis.

Can you describe one of the highlights of your work at WCS?

We once had to get approval to ship a three-year-old gorilla with two caretakers by first class on a commercial airplane. Not only did we have to get approval from the airline; we needed permission from each first-class passenger as well. This happened years before the September 11 attacks. We couldn't do that now.

What makes you passionate about your job?

WCS is part of a bigger movement to educate people about wildlife and inspire them to care about saving wild animals and places. My passion for working at WCS also grows from interacting with colleagues throughout the organization who love their work and care so much for animals. It is contagious. It is amazing for a single organization to have people from different types of careers working in one place for a common goal. One of my most exciting experiences during my career was

ABOVE

Nilda Ferrer with one of her favorite animals, a fenec fox at the WCS Wildlife Ambassador facility.

RIGHT

WCS Curator of Animal Management Services Nilda Ferrer.

“Every day I interact with colleagues throughout the organization who love their work and care so much for animals. It’s contagious.”

attending the triennial meeting of CITES (Convention on International Trade of Endangered Species of Wild Fauna and Flora) in Thailand in 2013. After working so long to understand how regulations impact the holding and moving of animals around the world, it was an extraordinary privilege to attend this global meeting where CITES member countries meet to present, discuss, and vote on which species to protect and how to regulate their trade.

Do you have a favorite wildlife species?

I love orangutans! Although we don’t have them in our parks, I will not give up hope that they’ll be featured at the Bronx Zoo someday.

What are some of the challenges you face in your position?

Since 9/11, transporting animals has become very difficult. Airlines have cut down on the routes they take and reduced the size of airplanes that can accommodate wildlife, thus making their transport challenging at times. A lot of airlines don’t accept animals anymore, which can pose an enormous hurdle. I think the regulations have also gotten stricter over the years as different organizations and agencies have added more requirements. The bulk of our animal shipments are by air because it’s faster (it minimizes animals’ distress and their time in transit). No two animal transfers are created equal, even if it’s the same species. Some require more work than others depending on the destination, permitting requirements, and mode of transport we decide on.

What is your proudest achievement?

Since 2000, I have been one of hundreds of volunteers in the zoological community who worked to create the Zoological Information Management System (ZIMS)—a real-time, Web-based global animal-management database. Spearheaded by AZA, the database was turned over to the International Species Information System organization to develop, manage, and implement the software. ZIMS currently has husbandry and medical modules. Once complete it will include population management and collection planning. More than 900 institutions in 85 countries are using the software. I was thrilled when we finally implemented the husbandry portion of the program for our five facilities this past July. Wherever we have access

to the Internet, we can see the animal collections in our parks and access information on animals around the world in real time. We can also monitor animals we have on loan and keep track of offspring born to our animals.

What is your greatest wildlife moment during your time with WCS?

For several summers, my son worked for the Bronx Zoo’s Special Animal Exhibits Department. During our long commute home, he would tell me about the day’s work. He would even teach me things like the types of hay used by the zoo to feed the animals and how they all had nutritional differences. Most days, my son interacted with domestic animals, but one day we went to feed the giraffes with Pat Thomas, WCS Vice President & General Curator and Associate Director of the Bronx Zoo. That really made his day. I realized that, like me, he was inspired by the work done at the zoo. I may not work directly with animals, but I get great satisfaction to see and hear how the animals we acquire from other zoos around the world adapt to their new environment and when they produce offspring. I was overjoyed when Leo, a snow leopard that has served as an ambassador for Pakistan at the Bronx Zoo since arriving as a cub in 2006, sired his own cub in 2013.



ANIMAL CENSUS

(July 1, 2013–June 30, 2014)

Facility/Class	Species On-site and In-on-loan	Births Includes non-viable	Specimens On-site and In-on-loan
BRONX ZOO			
Mammals	176	230	1,571
Birds	300	155	1,549
Reptiles	171	53	633
Amphibians	50	1,500	2,499
Invertebrates	31	106	5,174*
Fish	63	0	1,070
TOTAL	791	2,044	12,496
CENTRAL PARK ZOO			
Mammals	27	132	634
Birds	96	110	455
Reptiles	34	1	593
Amphibians	14	0	24
Invertebrates	3	0	160
Fish	6	0	264
TOTAL	180	243	2,130
QUEENS ZOO			
Mammals	30	3	95
Birds	53	16	334
Reptiles	10	0	60
Amphibians	1	0	24
Invertebrates	1	0	25
Fish	5	0	23
TOTAL	100	19	561
PROSPECT PARK ZOO			
Mammals	44	79	155
Birds	48	18	183
Reptiles	29	5	79
Amphibians	19	2	64
Invertebrates	3	0	131
Fish	27	33	431
TOTAL	170	137	1,043
NEW YORK AQUARIUM			
Mammals	5	1	14
Birds	1	3	17
Reptiles	8	0	15
Amphibians	2	0	1
Invertebrates	109	61	379
Fish	252	451	3,437
TOTAL	377	516	3,863
GRAND TOTAL (All Facilities)	1,192	2,959	20,093

*Invertebrate numbers do not include approximately 58,300 Madagascar hissing cockroaches.



PAPER

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The Trustees of the Wildlife Conservation Society recommend that, for estate-planning purposes, members and friends consider the following language for use in their wills:

"To the Wildlife Conservation Society ("WCS"), a not-for-profit, tax-exempt organization incorporated in the state of New York in 1895, having as its principal address 2300 Southern Boulevard, Bronx, New York 10460, I hereby give and bequeath _____ to be used as determined by WCS for its general purposes."

In order to help WCS avoid future administrative costs, we suggest that the following paragraph be added to any restrictions imposed on a bequest: "If at some future time, in the judgment of the Wildlife Conservation Society, it is no longer practical to use the income and/or principal of this bequest for the purposes intended, WCS may use the income and/or principal for whatever purposes it deems necessary that is most closely in accord with the intent described herein."

If you wish to discuss the language of your bequest and other planned giving options, please contact the Office of Planned Giving at 718- 220-6894.

For Information on how you can support the Wildlife Conservation Society, please call our Global Resources Division at 718,220-5090. A copy of this annual report may be obtained by writing to the Office of the Chairman, Wildlife Conservation Society, 2300 Southern Boulevard, Bronx, New York 10460. In addition, a copy of the WCS's annual filing with the Charities Bureau of the Office of the New York State Attorney General may be obtained by writing to the Charities Bureau, New York State Attorney General's Office, 3rd Floor, 120 Broadway, New York, New York 10271.

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