

Table of Contents

Animals at Risk: The Commercial Wildlife Trade
Myths vs. Facts 8
An Iguana Doesn't Want
to Live in My Home
The Wildlife Trade Chain11
Who Benefits?14
To the Rescue!
The Oninion Pages 18

From the Editor...

For millions of years, planet thriving populations of wild animals. Sharks, crocodiles, around for hundreds of millions of years. Rhinos and



elephants have existed for about 50 million years, and tigers have roamed the land for at least

Then, about 200,000 years ago, humans came along. 1970, wild life populations — including mammals, birds, fish,amphibians, and reptiles—have been reduced by a smuch as 50 percent because of the activities of humans.

destruction of habitats, caused by pollution and human development, and the effects of human-related climate change. A third and rapidly escalating threat to wild animals is commercial wildlife trade—the buying and selling of live wild animals or products that use their parts. Trade in wildlife is not only cruel, but also the illegal trade is driving many species to the brink of extinction. Plus, it endangers the ecosystems we all depend upon to survive.

I hope this magazine helps you better understand the challenges of and solutions to one of the greatest threats faced by wildlife in our world. If we can put an end to illegal individual animals and entire species—including us.

Nancy Barr Program Director, IFAW Animal Action Education



It's a Crime

At the Los Angeles airport, security guards caught a man trying to smuggle fifty-five turtles hidden in snack boxes into the United States. In Dubai, airport officials apprehended a man carrying two leopards, two panthers, and an Asiatic black bear in his suitcases. All were cubs that were drugged and held in flat containers to keep them from moving.

Rhino **poaching** has increased by 10,000 percent since 2007 while the wild tiger population has declined precipitously to just 4,000 individuals worldwide. Every 15 minutes another elephant is killed for his ivory tusks to make trinkets nobody needs. Hundreds of millions of sharks are killed each year for gourmet dishes, such as shark fin soup, and served to wealthy diners in Asia and around the world. It is suspected that some populations of pangolin (also called a scaly anteater) will decline by at least 50 percent in the next 21 years due to heavy poaching for their scales, which are used in traditional medicines.

Millions more wild birds, reptiles, mammals, fish and other live animals and animal parts are illegally transported across national borders, hidden in suitcases, clothing, thermoses, cardboard tubes, giant shipping containers, and even taped to smugglers' bodies. The animals and parts are



ANIMALS AT RISK: THE COMMERCIAL WILDLIFE TRADE

being smuggled by people engaging in illegal wildlife trade—the unlawful commercial sale or exchange of wild animals or wild animal parts or products. Commercial wildlife trade, legal and illegal, involves the treatment of wild animals as a **commodity**, or objects or resources for people to buy and sell and use. Even though some wildlife trade is legal, it can still cause problems for the animals involved.

Big Business

Around the world, commercial trade in live and dead animals and their body parts is big business. Animals are killed for food, such as zebras for their meat and sharks for their fins. People make trinkets and clothing from their body parts. Elephants are slaughtered for their tusks and seals for their fur. And countless animals are killed to make products, such as traditional medicines that contain ground-up tiger bone, powdered rhino horn, and bile from the gall bladders of bears.

Also, live animals, such as parrots and monkeys, are captured to sell as exotic pets. Others are captured from the wild and traded into captivity for use in tourist attractions; for example dolphins perform in shows, people have their pictures taken with small monkeys and wild cats, and tourists ride elephants on safari.

Some people hunt and kill a limited number of local animals for their own use. This is not commercial wildlife trade. Commercial wildlife trade is a huge, international business. Its purpose is to make money.



Experts estimate that 80 percent of people around the world rely on traditional medicines for health care. Some medicines contain parts from endangered species, such as tiger bones or teeth. However, non-animal alternatives have been endorsed by traditional Chinese medical practitioners.



Root Causes

Why do people want to buy wild animals and wild animal products? Poverty and the need to provide for a family motivate some people to engage in illegal wildlife trade. Greed motivates others. They think that by **trafficking** wildlife, they can make fast cash. But trafficking wildlife is a crime and can result in high fines or time in jail. Sadly, many people believe that owning an exotic pet or something made from ivory gives them a special status, or a higher position in society. Some people believe that wild animals have special healing properties. Others are so interested in wildlife that they want to be closer to it, even if it harms the animals. Some are misinformed. For example, many people don't know that ivory comes only from dead elephants.

The Dangers of Wildlife Trade

To Animals

Commercial trade in wildlife endangers individual animals and can threaten the survival of entire species. When captured and transported, animals are often deprived of food and water, bound so they can't move, and confined in dangerous enclosures. A high number of captured animals die long before reaching their intended destinations.



Due to poaching, habitat destruction, and civil wars, there are only about 700 mountain gorillas left on Earth. These huge mammals, which weigh from 300 to 485 pounds (135 to 200 kg), live in groups of up to 30 in the mountains of central Africa. A female may have from two to six babies over her lifetime.

Illegal wildlife trade poses a serious risk to the survival of many of Earth's species, such as African elephants and mountain gorillas. Their numbers are dwindling rapidly because they are unable to reproduce fast enough to keep up with the losses.

Traps set to catch certain animals can harm and kill others. Crude wire snares set to catch small antelope for **bushmeat** unintentionally catch lions and African wild dogs, and critically wound elephants and rhinos.



To Habitats

Wildlife trade can also reduce **biodiversity** by removing animals that play key roles in the ecosystems in which they live. Removing individuals or groups of animals may disrupt the way the ecosystem works. As a keystone species, elephants help maintain the structure and function of the ecosystems in which they live. On the other hand, introducing non-native species, such as an exotic pet, has harmful impacts on animals and ecosystems.

Another threat to habitats is the introduction of environmental hazards. For example, some fishermen use the poison cyanide to stun and capture marine fish on coral reefs for the aquarium trade. But this makes the collected fish sick. Many die, so more are taken



Coral is traded for use in jewelry, home aquariums, and home decor.

Coral reefs are often called the "rainforest of the seas" because they are among the most biologically rich and productive ecosystems on Earth. Why do you think it is important to protect them?



Wild animal species, each with a unique role and contribution, are crucial components of our planet's ecosystems. They also provide boundless sources of learning and inspiration.

To People

Illegal wildlife trade threatens people all around the world. Wildlife trade deprives local communities of food. A disrupted ecosystem can impact the basic necessities people rely on for **subsistence** living. Livelihoods can also be affected, such as in areas that offer wildlife experiences for tourists. It can endanger the lives of the rangers whose job it is to protect the animals.

By generating enormous amounts of money for groups that disregard laws, illegal wildlife trade also endangers national and international security.

Tiger skins are made into clothing and rugs, and tiger bones and other body parts are used in traditional medicine in parts of Asia.



Rhino horn is ground into powder for use in traditional medicines and carved into ornaments.



Controlling Illegal Wildlife Trade

Various laws—including local, national, and international laws and regulations—protect wildlife from trade. Some laws control trade and others forbid the capture or killing of certain species.

For example, the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) is an international agreement between governments that was established to ensure that international trade in wild animals and plants does not threaten their survival. CITES controls the trade of about 5,600 animal species, which are grouped into three lists (titled Appendices I, II, and III) depending on how much protection they need. The first list includes the most highly endangered animals and plants. Trade in these species or their parts is banned except in rare situations. Membership in CITES is voluntary; as of early 2015, of the more than 190 countries worldwide, 181 countries were members. The member countries must pass laws to make sure that the CITES rules are followed within their national boundaries.

Unfortunately, in spite of regulations, illegal wildlife trade is still difficult to control. As noted in a recent United Nations report, borders that span remote wilderness areas are hard to patrol, making it tough to track goods that are carried across them. People who live in rural areas may have to rely on food collected or hunted from their natural environment, such as a forest. Also, corruption can undercut the laws that are in place. In many countries, poverty and weak governments mean that officials who are supposed to uphold the laws may be more susceptible to dishonest behavior.

Toward a Solution

Fortunately, individuals and organizations around the world are striving to stop wildlife trade and protect animals, habitats, and people. By focusing on better enforcement and strengthening laws that combat all parts of the wildlife trade chain—the source, transit, and consumers—people are working to make sure wild animals can live free and thrive. Individuals, too, can make a dramatic difference by choosing not to buy wild animals as pets or products made from wild animals.

Pangolins use their extra-long, sticky tongues to eat ants and termites. To protect themselves from predators, they roll themselves up into a tight ball when threatened. Poaching and habitat loss have made these fascinating creatures one of the most endangered groups of mammals in the world.





Some species have long pregnancies, give birth to only one or two young per litter, and nurse and take care of their young for a long time. For example, a single calf is born to an elephant only every four to five years after a gestation period of twenty-two months—the longest of

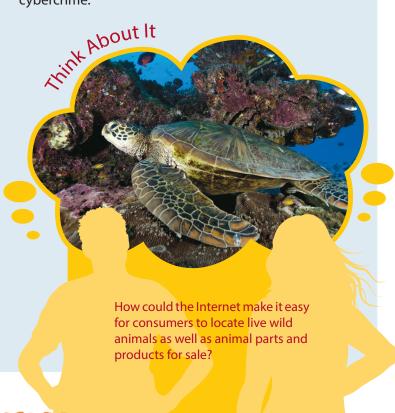
Why are these species more at risk of becoming endangered?

Online Wildlife Trade



The Internet has made it easier for people to engage in illegal wildlife trade. It's anonymous, global, open 24/7, and mainly unregulated. Over a six-week period in early 2014, the International Fund for Animal Welfare (IFAW) searched websites for CITES-protected species and found almost 9,500 advertisements representing over 33,000 wild animals and body parts being sold on the Internet. Over half of the ads were for live animals, particularly reptiles and birds, and ivory was the most widely traded animal product. Illegal wildlife trade often takes place on hidden websites that can't be found through search engines. Also, Internet ads often use code words to conceal the fact that items are illegal, such as referring to ivory as "white gold."

Persuading large Internet businesses to ban all illegal wildlife trade and educate the public can have a significant impact on reducing wildlife trade. For example, eBay banned the sale of ivory on all of its websites worldwide as of January 1, 2009, following one of IFAW's investigations of illegal wildlife trade on the Internet. Convincing governments to implement strong laws is also key to reducing wildlife cybercrime.



Words to Know

biodiversity: the variety of species, genes, and living communities in a particular habitat or ecosystem

bushmeat: meat from wild animals, especially those from tropical areas in Africa, Asia, and Central and South America

commodity: a product that can be bought and sold

corruption: being unjust, dishonest, or otherwise immoral

gestation: the time that an organism spends developing before being born

poaching: the illegal hunting of wild animals

subsistence: a way of life in which people grow food or hunt for their own use and to fulfill their basic needs

trafficking: buying or selling, especially illegally

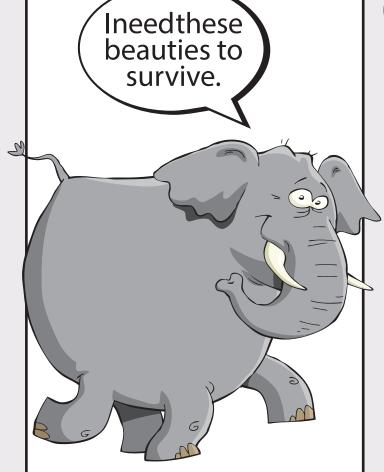
Myths vs. Facts

What are some assumptions people make about animals and wildlife trade? Find out about the real facts behind them.



Elephants don't need tusks.

In fact, tusks are one of the elephant's most valuable tools for survival. They use them to dig for roots and to pull bark from trees so they can eat it. They use them to dig for water. They also come in handy for moving large objects out of the way—like tree trunks—and for defense.





Elephant tusks fall out just like our teeth.

Elephants' tusks are rooted deep inside their skulls! They never just "fall out." And they can't be pulled out. The truth is, ivory tusks come only from dead elephants.



We have enough laws to regulate wildlife trade and protect endangered species.

The problem is that the illegal trade in wildlife is flourishing and growing. This shows us that the penalties outlined in the laws aren't working very well as deterrents to crime and that they are not well enforced. It also shows that though people, agencies, and countries want to Support our enforce the laws, they lack rangers! resources. These resources include trained rangers with the necessary equipment to prevent poaching and catch poachers and strict laws that punish people who are caught trafficking.







We aren't part of the wildlife trade cycle.

Unfortunately, we are all part of the wildlife trade cycle. Almost all of us live in a source, transit, or consumer country—meaning we live where wild animals are taken, moved through, or bought. And now, with the Internet, almost anyone can buy or sell wild

animals or animal products with just a few clicks. Many people know that China is the largest market for ivory. Did you know that North America is the second largest market? Also European Union countries are the second largest exporter of ivory items to Asia. And exotic pets are kept by people all over the world.



It's okay to have an exotic pet if you take good care of it.

Wild animals are not meant to live in cages or in people's homes. Their needs are so specific that most people can't meet them. These needs include not just food, but social interactions with other animals, complex habitat requirements, the ability to move the way they would in the wild, and to make choices. Tigers need a lot of territory in which to roam. Birds in the wild can fly miles in a day. Also, no matter how long you keep a wild pet, it will never be tame. Dogs and cats have become domesticated over thousands and thousands of years. In fact, unlike a pet dog or cat, you cannot soothe a wild animal. Instead, being around humans places stress wild animals. on



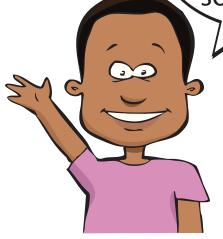


We can't do anything to stop wildlife trade trafficking.

You can help! Think twice—if you don't buy, they don't die! Don't buy objects made from wild animals, including ivory, coral, and animal skins and furs. Instead buy handcrafts made by

local artisans. (Make sure they are made from sustainably sourced materials.)

l can pledge not to buy wildlife souvenirs



You can write to your political representatives and encourage them to pass or strengthen laws protecting wildlife. Say "no" to activities that are cruel to animals, such as going to the circus or being photographed with performing animals.





An Iguana Doesn't Want to Live in My Home



Green iguanas are social animals, which means they like to hang out together. Here they are basking in the sun.



September 21

My mom and I share a lot of interests, but there's one thing we definitely don't agree on. She doesn't like cold-blooded creatures, and I've always wanted a green iguana. But then I did some research. I realized how much I didn't know about having a wild animal as a pet. I learned that it's cruel, unsafe for people and the environment, and sometimes even illegal.

I can't believe I've never considered how wild animals are captured and transported from their natural habitats to pet owners. I read about smugglers cramming hundreds of turtles into boxes with their heads and legs stuffed in their shells. Smugglers care about money, not the animals' health or welfare.

Plus, wild animals aren't meant to be caged or placed in unnatural climates. Tropical birds are not biologically equipped to live in subzero Siberia. A city apartment is no place for a tiger. And a six-foot green iguana wouldn't be happy living in a cage in my bedroom.

Wildlife trade also destroys ecosystems. When some owners of Burmese pythons in the US state of Florida realized they couldn't care for 200-pound snakes, they just let them go! These pythons don't naturally live in the Florida Everglades. So simply releasing them turns them into invaders who compete with native predators for food. This has harmed deer, raccoon, and bird populations in this delicate marsh ecosystem. And now rangers are forced to hunt and shoot the snakes in an effort to save the animals of the Everglades from the pythons. How sad is that?

Wildlife trade also impacts our health. Just like people, animals carry germs. Touching reptiles and amphibians can make pet owners sick and spread disease to other people and animals.

So how can I help wild animals and our planet? I can tell my friends not to buy wild animals. I can tell them why it's important to research all animals—even goldfish—before they adopt a pet. I can write to lawmakers to persuade them to strengthen and enforce laws that ban owning wild animals. The purchase of even one wild animal encourages traders to stay in business, and smuggling wildlife endangers the health of everything—and everyone—on our planet.

For now though? My mom is thrilled she won't have a six-foot iguana as a roommate.

Comments



The Wildlife Trade Chain

source: location where the animals are caught or killed for trade

The same routes used to smuggle wildlife across countries and continents are often used to smuggle other illegal goods, with the same culprits frequently involved.

transit: all of the activity involved with moving live or dead animals or animal parts from the source country to their final destination (the consumer), often involving many different stops and types of transportation (for example, from trucks to a container ship or plane)







Elephant Ivory: From Africa to the world







United States and beyond

Consumer

The green iguana is threatened because of wildlife trade and habitat destruction.



Consumer

Wild animals are popular



Transit

mouths shut and tie up their legs. They are often shipped packed tightly together in boxes, bags, buckets, or wooden crates in cars, trucks, or planes.



When transported, smugglers sew iguanas'



pets all around the world.



Source

Green iguanas live in the treetops of the tropical forests of Mexico and Central and South America.

They are social and can often be found basking in the sun together.





Who Benefits?

There tend to be more poachers (who receive relatively little money); a smaller number of local traders or middlemen who consolidate, or collect, quantities of product; a small group of traffickers and importers; a larger group of retailers, carvers, and manufacturers. Most of the profit is in the middle with the traffickers and importers.

POACHERS

Not all poachers kill wild animals illegally to survive and subsist. More and more are well-equipped and trained - poaching for commercial trade.

subsistence = food, money for far commercial = profit from meat, live animals, animal products

MIDDLEMEN & **CONSOLIDATORS**

These people buy smaller amounts from poachers, and then transport animals and animal parts between poachers and traffickers.

There are a lot of poachers but they receive very little of the money.

IMPORTERS

These people have the local knowledge and expertise to move goods through a country's channels. They are skilled at obtaining false

documents and certificates

TRAFFICKERS & SMUGGLERS

These people take the animals and parts from the source country to the receiving country. They use international trade routes. Requires

- expertise, large amounts of money;
 - know-how to hide materials and to identify who to bribe;
 - workingwithorganizedcriminalsorhiring groups who specialize in smuggling.



Most of the profit is made here.





These people may not know that what they're selling isillegal, orknow and not care. Selling sites include

- -pharmacies, doctors, healers;
- -street markets, stores, pet stores;
- -online sales.





To the Rescuel

междундьодный фонд защиты умво тных

Poaching of endangered species, too few resources, public **apathy**...the problems can seem overwhelming.
But here are some of the ways people are making progress in the fight against animal **exploitation**.



Wildlife Rangers

Wildlife rangers are on the frontlines combatting illegal wildlife trade. These men and women protect animals from poachers and other threats.



Rangers patrol a wilderness area on foot, by all-terrain vehicle, or even by hang-glider. The rangers look for poachers and disable traps that poachers set to catch their prey.

High-tech tools can help rangers monitor large areas of wilderness. To protect wildlife, the rangers need to know where the animals are. Satellite collars on animals help rangers locate the animals with **GPS** technology.

Rangers can set up camera traps. When triggered by motion, the camera takes a picture. The photos can be used as evidence to help prove poachers have broken the law. Night-vision goggles let rangers move easily in the dark during the hours when poachers are often most active.

Scientists

Scientists can use **DNA** to trace elephant tusks back to the spots where they were poached. A DNA sample extracted from smuggled ivory that was seized by officials is compared to DNA samples of wild elephants from across Africa. If scientists find a match, they can narrow down where the elephants were killed.

DNA tracking helps identify where poaching is occurring along with routes that ivory smugglers use. Authorities can then focus law-enforcement efforts on these "hot spots." Also, proof of where poaching is taking place can spur those nations to fight wildlife trade more strongly.





Detector Dogs

Sometimes a real live inspector is better than any high-tech solution. These inspectors just happen to have four paws and a tail—and an amazingly sharp sense of smell. Detector dogs are trained to sniff out wildlife products like elephant ivory and rhino horn. The detector dogs catch people who try to smuggle illegal wildlife goods and prevent the goods from being sold.

With their trained handlers, detector dogs "sniff search" luggage at airports and train stations.



The dogs inspect huge container shipments at ports and vehicles at checkpoints on roads. Trained dogs need only three seconds to let their handlers know which bags or areas should be examined more closely.

The Public

When people understand the true costs of wildlife products—to individual animals and entire species—they are less likely to buy them.

In China, one education campaign features celebrity spokespeople expressing their belief that ivory is ugly and cruel, not beautiful and luxurious, and asking consumers to reject ivory products.

In 2013, schoolchildren in Hong Kong formed the Elephant Angels. The Angels collected more than 18,000 signatures on a petition asking the Hong Kong government to destroy its seized ivory. Soon after, the government agreed to destroy 95 percent of its ivory stockpile.

Together, these tools and tactics can help ensure a future for wild animals: elephants and rhinos, pangolins and parrots, and the countless other victims of the wildlife trade.





Animal Action Education



Putting Ivory Beyond Use"

When governments seize illegal wildlife products, they become responsible for those goods. Some countries have accumulated large **stockpiles** of animal products.

Stockpiles are tempting targets for criminals who want to steal the goods and sell them. In 2012, thieves in Zambia broke into a vault and stole three tons of ivory.

Even museum displays of ivory are at risk. A man was arrested in 2013 after he sawed a tusk off an elephant skeleton on display at the Museum of Natural History in Paris, France. So some governments have decided that the best solution is to put stockpiled animal products "beyond use" by crushing or burning them.

Words to Know

apathy: lack of interest or concern

DNA: material in the cells of living things that carries genetic information; DNA stands for Deoxyribonucleic acid

exploitation: making use of and benefiting from resources, sometimes to gain unfair advantage for oneself

GPS: Global Positioning System; a navigation system that uses satellite signals to pinpoint location

stockpiles: large supplies of items





The Opinion Pages

Curbing demand is the key to winning the battle against wildlife trafficking.

The survival of too many wild animal species is in peril. Governments, non-profit organizations, and concerned citizens have limited resources with which to fight the scourge of wildlife trade. The most effective use of these resources is to work to end consumer demand for these animals and for the nonessential items made from animal parts.

Stop Demand

First, we must
raise people's
awareness.
Consumers
must be made to
understand that their
cravings for exotic pets,
trinkets, clothing, and
traditional medicines
are decimating many of
the world's species—
including those that
are most at risk of
vanishing altogether.

This huge demand for wildlife and wildlife products has actually fueled the growth of the wildlife trade. According to some estimates, the price of ivory has skyrocketed from US \$5 per kilogram in 1989 to a wholesale price of US \$2,100 per kilogram in China in 2014, with retail prices much higher. And ivory is just one component of the illegal wildlife trade.

People who buy exotic pets aren't really thinking about the needs of the animals. Instead, they are thinking about what *they* want. Wild animals are meant to live among their own species and in their own habitats.

Curbing demand is the key to winning the battle against wildlife trafficking. No matter the cost we must create programs to educate consumers and help change behavior. Without consumer demand, today's thriving illegal wildlife trade would wither and die. We must say "No" to purchases that cause animals to be treated poorly and that are pushing them toward extinction.

Stop



Today's wildlife trade spans the globe. We should not waste money trying to change people's long-held opinions and their desire to buy wild animals and wildlife products. Our main focus should be to stop such trade before it starts. In short, poachers must be prevented from killing and capturing wild animals in their native habitats.

Poaching has changed in recent years from a smalltime crime to one involving huge criminal networks. Poaching has become more frequent and poachers are taking more animals at a time. Instead of killing

Stop Poaching

one or two elephants,

entire herds are being wiped out. It is estimated that up to 100 elephants are killed each day across Africa. Plus, poachers are using increasingly sophisticated technology to track and capture or kill animals.

This level of poaching undermines the rule of law in affected countries.

Our main focus should be to stop such trade before it starts.

It is also dangerous for the communities who live near wildlife. We should support a nation's need to keep law and order. Nations need teams of well-trained and well-equipped wildlife rangers to protect vulne20rable wildlife from poachers. Local communities can be empowered to live with wildlife so that they can benefit from it.

Also, poachers can be educated about their impact on wildlife. Such education programs should show the many advantages, including financial, of *protecting* native wildlife rather than harming it. In the meantime, to reduce wildlife suffering and death—and to prevent the extinction of highly endangered species such as tigers, rhinos, and certain elephant populations—it is important to stop poaching and prevent smuggling.

The need to end poaching has never been greater. In 2013 alone, more than one thousand rhinos were poached in South Africa, a huge jump from thirteen in 2007. Other wild animal populations are declining rapidly as well. The time to act is now.

Stop Smuggling Stop Poaching Stop Demand

Let's put all the pieces together.





We must stop the criminals, stop the trade. If we don't buy, they don't die!

People are killing wild animals for products that nobody needs. Stop the killing!





The more we buy ivory, the more it encourages poachers. It's so sad. We must find a way to protect wildlife.

Wild animals belong in the wild. I've joined in the fight against wildlife trade.





Founded in 1969, IFAW (the International Fund for Animal Welfare) rescues and protects animals around the world. With projects in more than 40 countries, IFAW rescues individual animals, works to prevent cruelty to animals, and advocates for the protection of wildlife and their habitats.

IFAW also inspires young people and their communities to care about the welfare of animals and the environment.

IFAW believes that wild animals belong in the wild. IFAW works with governments, customs officers, and rangers on the ground to protect wildlife from illegal trade. IFAW also educates consumers about the cruelty, conservation impact, and illegality of wildlife trade.



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