

REMOVING THE WALLS TO RECOVERY



#### **ACKNOWLEDGEMENTS**

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We're grateful to Lyn Arnold for her inspired writing in the report! We thank Autumn-Lynn Harrison, for her beautiful design.

# "THE WILDLIFE AND ITS HABITAT CANNOT SPEAK. SO WE MUST AND WE WILL."

#### THEODORE ROOSEVELT

Each administration puts its stamp on our natural heritage. New leaders can protect or destroy that heritage. They can safeguard the public trust or surrender it to special interests.

An administration that chooses to be the protector follows the will of the people. Americans love our wild nation and overwhelming majorities want to see it protected.

Guarding wildlife, wild lands, and waterways isn't just popular, it also makes good business sense. Real estate experts know that people want to live, work, and play in clean, healthy environments with wild places nearby. In contrast, damaged natural resources—smog-filled air, lead-contaminated water, and barren landscapes—devastate healthy communities.

Bountiful plants and wildlife, protected in wild areas, give us the opposite.
Catskills forests remove pollutants from water—a free natural filter that provides drinking water to every New York
City residence and building. Wildlife

Kulur Kierán Suckling Center for Conservation

Jamie Rappaport Clark
Defenders of Wildlife

Danna Smith
Dogwood Alliance

Biology

Leda Huta

Endangered Spe

Endangered Species Coalition Andrew Rowan
Humane Society
International

Ande C

Mayre Paulle

Wayne Pacelle
The Humane Society
of the United States

**Azzedine Downes** International Fund for Animal Welfare watching—from the coral reefs of Florida to the wolves of Yellowstone—generates millions in revenue for local economies and produces tens of thousands of jobs. And animals pollinate crops from California to Kansas to the tune of \$14-23 billion.

We ask the Trump administration to follow Theodore Roosevelt's footsteps—a Republican who was also a conservationist. He created the U.S. Forest Service and established 150 national forests, 51 federal bird reserves, 18 national monuments, five national parks, and four national game preserves. Then in 1973, President Richard Nixon signed the Endangered Species Act—our safety net for species on the brink of extinction that is 99 percent successful. Their good work safeguarded wildlife.

Today, we need a conservationist president for a new generation. We urge the Trump administration to pick up the mantle of protector.

Emily Roberson

Native Plant
Conservation Campaign

Rhea Suh Natural Resources Defense Council

Diana Hadley
Northern Jaguar Project

Joseph Bogaard
Save Our Wild Salmon

Lu C. Horning

John Horning

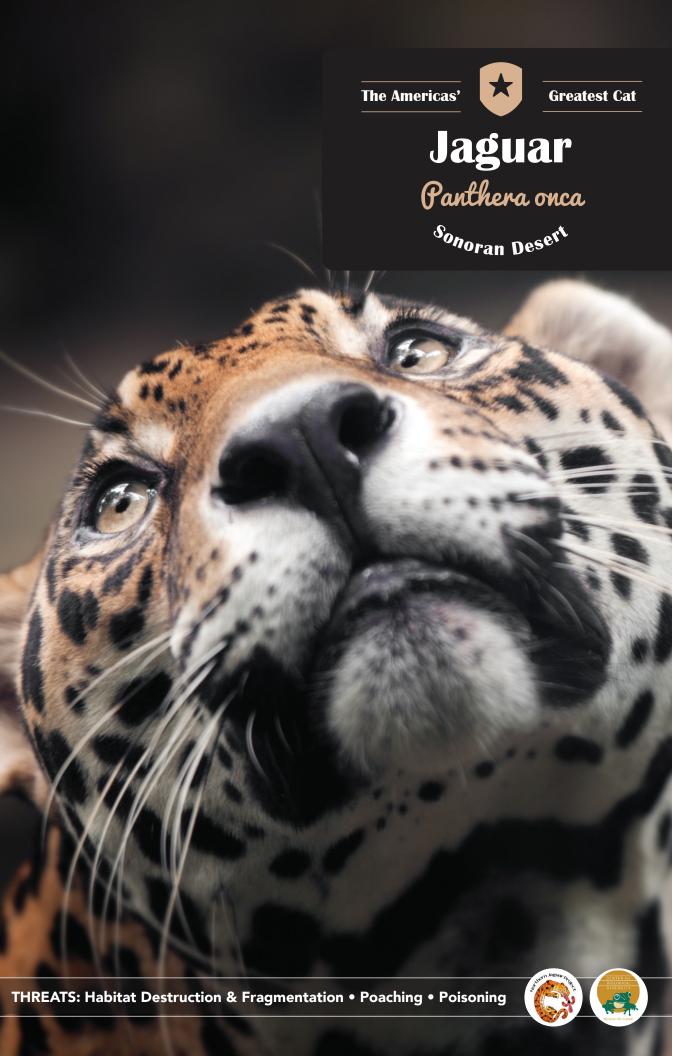
WildEarth Guardians

Org Costello

Greg Costello

Wildlands Network

Scott Hoffman Black Xerces Society for Invertebrate Conservation



# OVERCOMING THE BORDER WALL: THE AMERICAS' GREATEST CAT



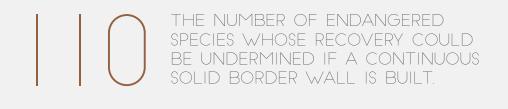
One of the so-called roaring cats, the jaguar is the largest cat native to North America. The name jaguar likely comes from the word *yaguareté*, meaning "true, fierce beast." Today, the northernmost breeding population on the continent STRUGGLES TO SURVIVE IN SONORA, MEXICO, a little more than 100 miles south of the border. Here, the 55,000-acre Northern Jaguar Reserve offers protection.

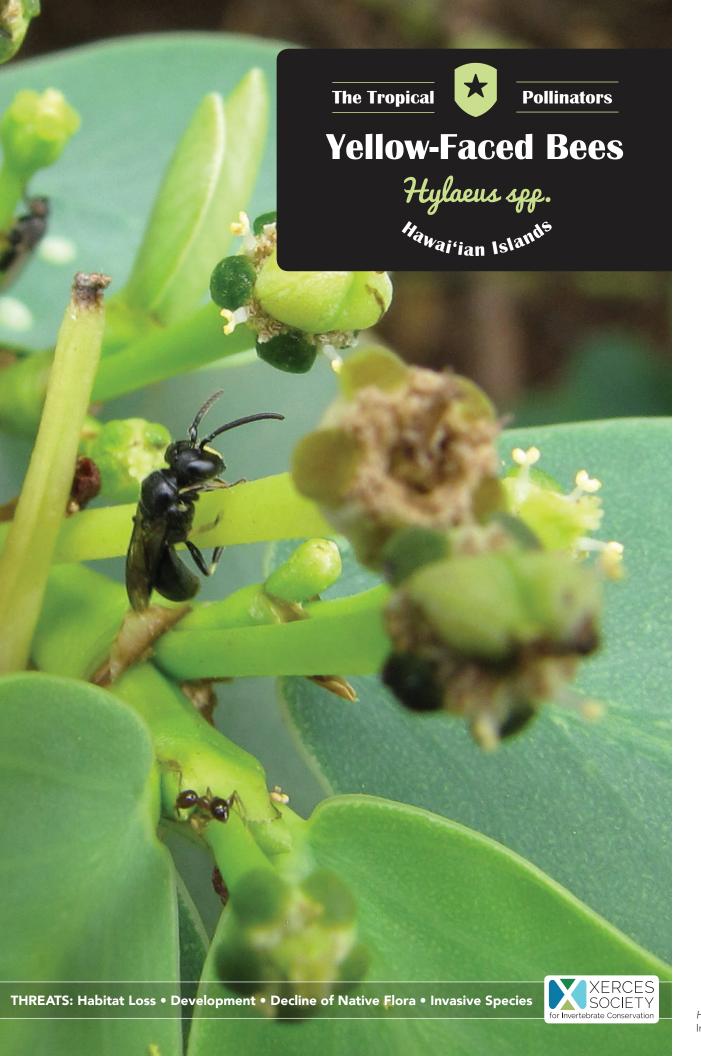
Like many solitary predators, jaguars can cover an immense territory. While these cats ONCE ROAMED MUCH OF THE UNITED STATES, only six are known to have claimed Arizona and New Mexico as home since the mid-1990s. In 2014, critical jaguar habitat was designated in the borderlands of Arizona and New Mexico.

The jaguar is important to its ecosystem. Very adaptable, jaguars eat deer, javelina, coati, and wild turkeys. Our ecosystems adapted to their presence, and THEY BELONG IN THE SOUTHWEST.



A Note to the President: The U.S./Mexico border wall threatens not only jaguar recovery in the United States, but recovery for many other species. The United States should not build any additional solid walls along the border. At wildlife migration points, it should replace existing solid metal border walls with vehicle barriers that allow wildlife to pass.





## A POLLINATOR IN DANGER

islands.



In 2016, seven species of Hawaiʻian yellow-faced (*Hylaeus*) bees became THE FIRST BEE SPECIES LISTED AS ENDANGERED under the Endangered Species Act. Yellow-faced bees are unusual and interesting species. They are named for the yellow markings on their faces, although, contrary to their name, female *assimulans* are totally black. Unlike the honeybee, yellow-faced bees are solitary; the female creates a series of cells in which she lays eggs in small cavities. There are about sixty species of yellow-faced bees in Hawaiʻi, the only bees native to the

Native Hawai'ian plants depend almost entirely on endemic pollinators such as yellow-faced bees. In fact, yellow-faced bees are IMPORTANT POLLINATORS OF THE MOST SIGNIFICANT TREES AND SHRUBS OF HAWAIIAN FORESTS, shrub lands, subalpine, and coastal areas. By maintaining the native habitats through pollination, these bees support large, clean watersheds. Their role makes the lives of other wildlife possible.

NATIVE BEES ARE THE PREDOMINANT POLLINATOR FOR MOST OF THE WORLD'S PLANT SPECIES. These small animals are also responsible for pollination of over three quarters of the leading global food crops.



A Note to the President: The administration should provide adequate funding for comprehensive surveys, and develop and implement comprehensive recovery plans for all seven *Hylaeus* species.





RUSTY
PATCHED
BUMBLE BEE

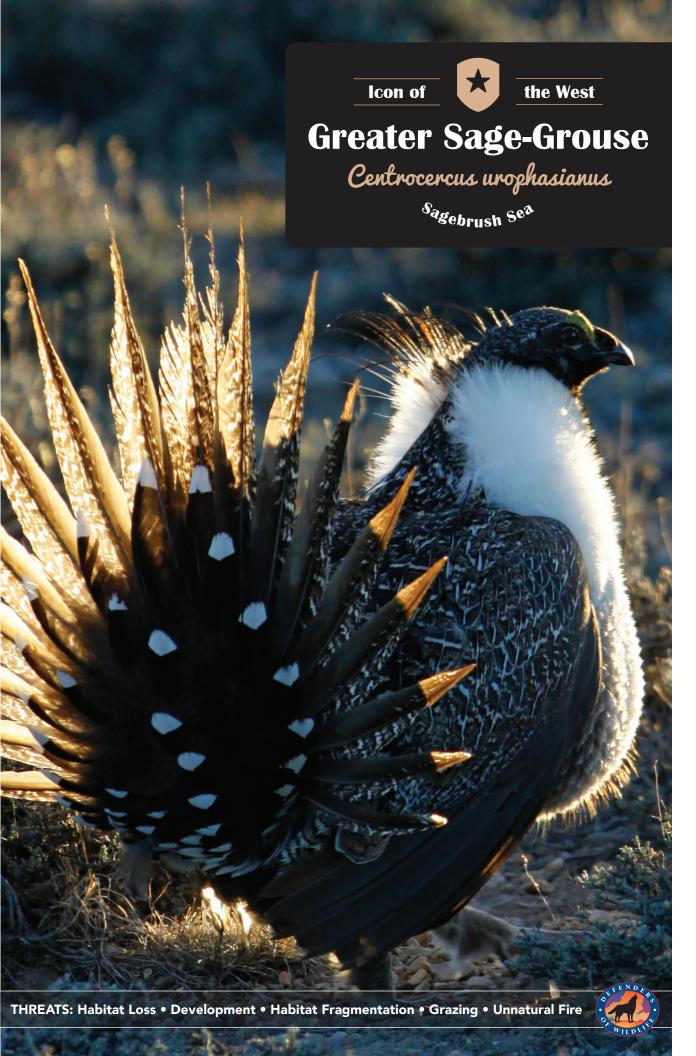


YELLOW-BANDED BUMBLE BEE



WESTERN
BUMBLE BEE

Hylaeus connectens at Kilauea Pt NWR, Kauai, Hawaii. Forest and Kim Starr. Inset L-R: Dan Mullen, Sandy Gillian, Derrick Ditchburn.



# AMBASSADOR OF THE SAGEBRUSH SEA



SAGE-GROUSE ARE THE CENTERPIECE

of an ongoing and unprecedented effort to conserve more than 60 million acres of public lands in the American West for grouse and hundreds of other species. This region is poetically dubbed the "Sagebrush Sea."

Sage-grouse hold a LONG AND STORIED PLACE IN THE WEST. Indian tribes depended upon and honored the species in ceremonial dress and dance. The bird was once so numerous that European-American settlers reported seeing huge flocks that darkened the sky as they lifted from valley floors.

Sage-grouse are KNOWN FOR THEIR FLAMBOYANT MATING DISPLAY. Every spring the birds return to mating grounds known as "11" " 11"

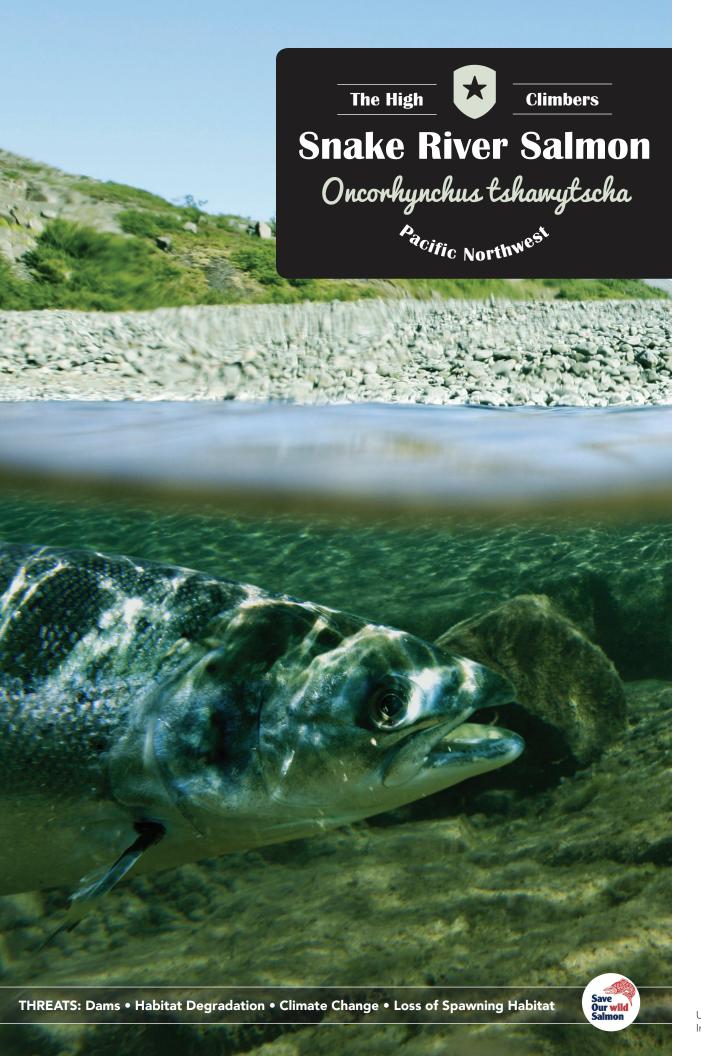
"leks." Males perform an amazing dance to attract females, fanning their tailfeathers, puffing out their chests, and fluttering their wings.

The federal government launched a National Greater Sage-Grouse Planning Strategy in 2011 to improve management of remaining sagebrush habitat across eleven western states. THIS FEDERAL CONSERVATION PROGRAM WILL BE

KEY to conserving sage-grouse habitat, although scientists have also indicated that more may be required to ensure the species' long-term survival.



A Note to the President: The new administration must be willing to fully implement and, where necessary, strengthen the federal sage-grouse conservation plans. The sage-grouse is an umbrella species for the Sagebrush Sea; more than 350 other sagebrush-dependent species will also suffer if the sage-grouse isn't well protected. The new administration must also vigorously oppose any congressional attempts to discard the federal conservation plans in favor of weaker state strategies.



## SALMON MIGRATION STYMIED AND SUFFERING



Snake River spring and summer Chinook are among the longest and highest migrating salmon on the planet-often swimming upstream more than 900 miles and CLIMBING MORE THAN 6.000 FEET IN ELEVATION to return to their ancestral spawning grounds high in central Idaho, eastern Oregon, and Washington.

#### CHINOOK SALMON ARE SPIRITUALLY PRIZED

among many Pacific Northwest Native American tribes. In 1805, Lewis and Clark encountered the Nez Perce tribe, who saved the expedition from starvation by offering salmon and other foods.

Snake River salmon (and other salmon and steelhead)
PLAY A BROAD AND SIGNIFICANT ROLE IN
THE NORTHWEST. Adult salmon, when they return to
their natal rivers to spawn and then die, deliver tremendous
amounts of marine-derived nutrients and energy to
freshwater ecosystems. The healthier the populations,
the greater these ecological benefits are. In addition,
Chinook salmon are essential to the survival and recovery
of endangered Southern Resident Killer Whales in the
Pacific Northwest. Chinook make up MORE THAN 80
PERCENT OF THE ORCAS DIET.



A Note to the President: Main causes of decline for these salmon are the four lower Snake River dams. Removal of these dams would restore 140 miles of free-flowing river habitat in eastern Washington and re-establish access for salmon to approximately 5,500 miles of protected, pristine river and stream habitat.

### FACING THE SAME THREATS



Many other species of fish, including Winter-Run Chinook in California's Sacramento River, are imperiled by dams and the mismanagement of water.





# FLORA FACING CLIMATE CHANGE

PETITIONED
FOR ESA
LISTING
THREATENED

HABITAT
Expected to
Decrease

90%
By 2100

KEYSTONE
LIZARDS
INSECTS
SQUIRRELS
WOODRATS
JACKRABBITS
KANGAROO RATS

BIRD
SDECIES

Joshua trees, named after the prophet Joshua, grow only in the Mojave Desert and are SYMBOLIC OF THE SOUTHWESTERN HIGH DESERT. Historically, Native Americans used the tree for food, fiber, and construction. Joshua Tree National Park was designated to conserve the species and the ecosystem that depends on it. The park draws over one and a half million visitors a year.

JOSHUA TREES PROVIDE FOOD.
MOISTURE. AND HABITAT for many desert species. Scott's orioles, ladder-backed woodpeckers, and northern flickers nest in them. American kestrels and loggerhead shrikes use them as hunting perches. Insects use fallen leaves and branches as shelter.

Because THEY ARE SLOW TO GROW AND REPRODUCE, they will have difficulty moving their range to adapt to climate change. They require specific weather conditions and as the climate warms, those requirements may not be met.



A Note to the President: The administration must commit to combating climate change by addressing oil, gas, and coal use. Curbing climate change is essential to saving the ecosystem of the Joshua tree and other flora.

#### FACING THE SAME THREATS

#### PLANTS ARE ESPECIALLY VULNERABLE TO CLIMATE CHANGE



#### WAI'ANAE RANGE LOULU PALM

The palm is an important species in the native mesic forest of the Wai'anae Mountains on the island of O'ahu in Hawai'i. The plant provides habitat for invertebrates and watershed cover and helps stabilize slopes.





7 Individuals in 1998

Individuals Today



### MORE WOLVES, LESS POLITICS



WILD POP. GRAY

5.542 (lower 48)

MEXICAN GRAY < 125

**RED** < 60

#### **ECONOMICS**

Wolf-related tourism delivers

\$ 35.5 MILLION annually to WY, ID. and MT



As apex predators, WOLVES PLAY A VITAL ROLE IN MAINTAINING THEIR ECOSYSTEM. They

keep the populations of deer, elk, and other species at healthy levels. The remains of wolf prey help provide food for other wildlife.

Wolves are a significant tourist draw. Studies show an ECONOMIC BENEFIT TO TOWNS NEAR WOLF HOTSPOTS. Hotels, restaurants, tour operations, and other industries all benefit from the

operations, and other industries all benefit from the presence of wolves because of the public's fascination with them. Ecotourism creates millions of dollars for local communities.

Humans are the greatest threat to wolves. Gray wolves are threatened by the prospect of being removed from the federal endangered species list and handed over to hostile state management agencies. State regulations have allowed excessive hunting, trapping, snaring, and even hounding, putting WOLVES IN GREAT JEOPARDY. Mexican and red wolves both went extinct in the wild in the 1980s due to human actions. Small populations have been reintroduced. Now poor federal management is preventing wolf recovery in the wild.



A Note to the President: The administration and Congress must recommit to using the best available science to recover native carnivores. U.S. Fish and Wildlife Service must release additional Mexican and red wolves from captivity into suitable public lands. It must follow the science in developing and implementing recovery plans, and prioritize the wolves' recovery over special interests. The administration must oppose any efforts that weaken Endangered Species Act protections of wolves and other large carnivores. We cannot abandon their recovery.

### FACING THE SAME THREATS











WOLVERINE

Proposed Threatened



# BUILDING BLOCKS OF THE OCEANS IN PERIL



The elkhorn coral is named for the antler-like shape of its colonies. It is the LARGEST BRANCHING CORAL IN THE CARIBBEAN, and one of the fastest growing. Once very common, it is rare today. Over the past 10,000 years, it has been one of the most important coral species in contributing to reef growth in large areas of Florida, the Bahamas, and the Caribbean. Coral reefs aren't just beautiful, THEY HELP PEOPLE AND PROPERTY STAY SAFE FROM COASTAL STORMS, create the nursery grounds that drive fisheries, provide the biological material to source new medicines, and contribute to local economies.

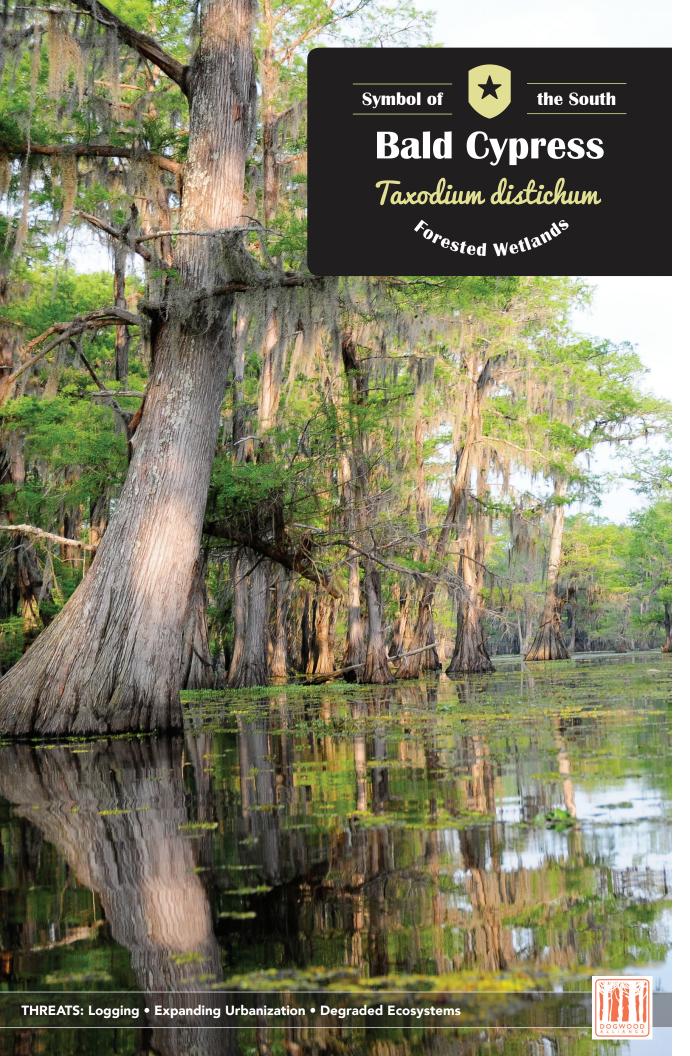
The complex and beautiful branches of the elkhorn coral create habitats for lobsters, parrotfish, snapper shrimp and many other species. Coral reefs cover less than one percent of the ocean floor, yet support 25 percent of all marine life—more than any other marine ecosystem. As a CRITICAL PART OF ITS ECOSYSTEM, the elkhorn's endangerment is a threat to all the other species that directly depend upon it.



A Note to the President: The new administration must respect the commitments made under the Paris Agreement on climate change to reduce carbon emissions. Emissions are threatening not only to elkhorn coral, but coral reefs worldwide. The administration must also follow through on the elkhorn coral recovery plan actions. Consultation of all federal projects that could threaten the survival and recovery of elkhorn coral must be carried out. In particular, consultation in projects that substantially increase greenhouse gas emissions.



THE NUMBER OF YEARS
ELKHORN CORAL HAVE BEEN
THE MOST IMPORTANT REEF
BUILDING SPECIES IN THE
CARIBBEAN SEA



# FROM SYMBOL OF THE SOUTH TO SAWDUST

LC IUCN

#### **WETLANDS**



From Historic Levels

Can live over

#### **ENGINEER**

FLOOD CONTROL •

FILTRATION



A MAJESTIC TREE with a fluted trunk, the cypress is considered by some to be the icon of southern swamps. When healthy, cypress can live more than 800 years. They are key to their ecosystem, providing habitat for otters, alligators, and many different species of invertebrates, reptiles, fish, and migratory birds. Its seeds provide food for turkeys, wood ducks, grosbeaks, and squirrels. Bald eagles, ospreys, warblers, herons, and egrets all use the bald cypress for nesting. Bald cypress swamps also LOWER HARMFUL MOSQUITO POPULATIONS by closing the canopy that encourages mosquito breeding.

Cypress is highly valued for timber and may be subject to greater logging pressures than other wood. Historically, cypress swamps were cleared and drained for development, agriculture, or timber. Currently, cypress swamps are harvested for timber, wood pellets, and mulch. Up to 80 PERCENT OF FORESTED WETLANDS HAVE ALREADY DISAPPEARED in the southern United States.

Forested wetlands are essential for carbon sequestration, clean water, and flood control. More than 48 million people in the southern United States are supported by forests that "filter" their water supply.



A Note to the President: Any administration that pledges to prioritize clean water must increase safeguards for the forested wetlands that provide it. The new administration should not only support existing conservation programs, but should also craft new policies that protect and restore forested wetlands.

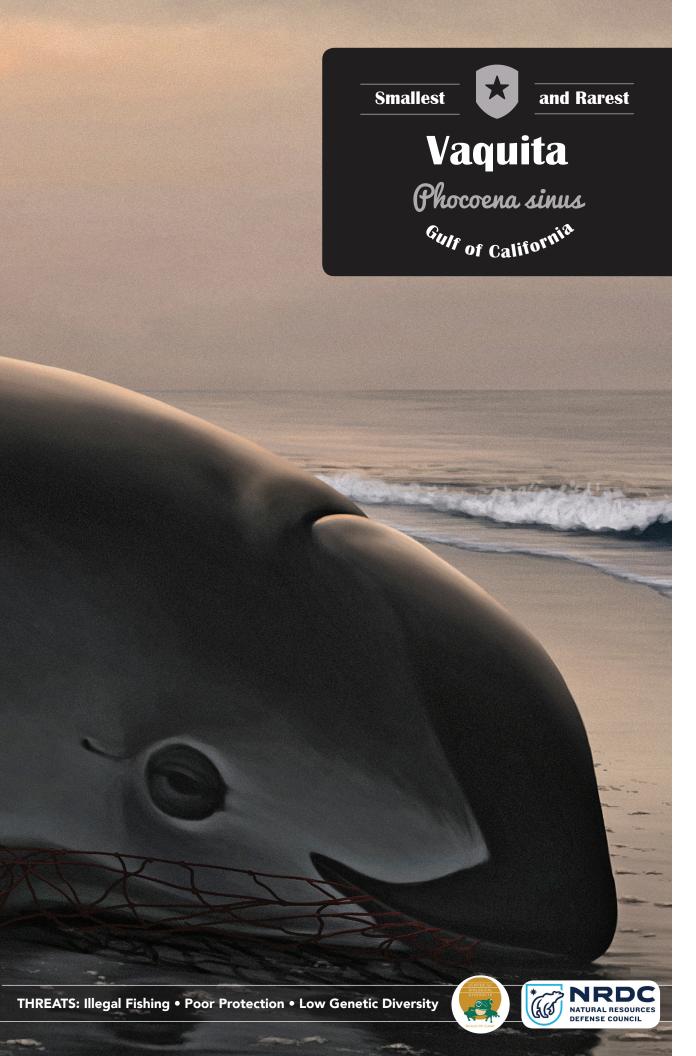
### FACING THE SAME THREATS

#### ATLANTIC WHITE CEDAR



The habitat of this species is very limited, and increasingly rare due to coastal development.

Bald cypress swamp, Louisiana. M.S. McCarthy Photography, iStock. Inset: Atlantic White Cedar. USDA.



# MARINE MAMMALS NEED STRONG LEADERSHIP



Meaning "little cow" in Spanish, THE VAQUITA IS THE SMALLEST AND MOST ENDANGERED

CETACEAN. These little porpoises measure around five feet long and weigh about 120 pounds. This species doesn't migrate, instead it stays in the northwestern corner of Mexico's Gulf of California in a VERY SMALL RANGE that is roughly half the size of Los Angeles County.

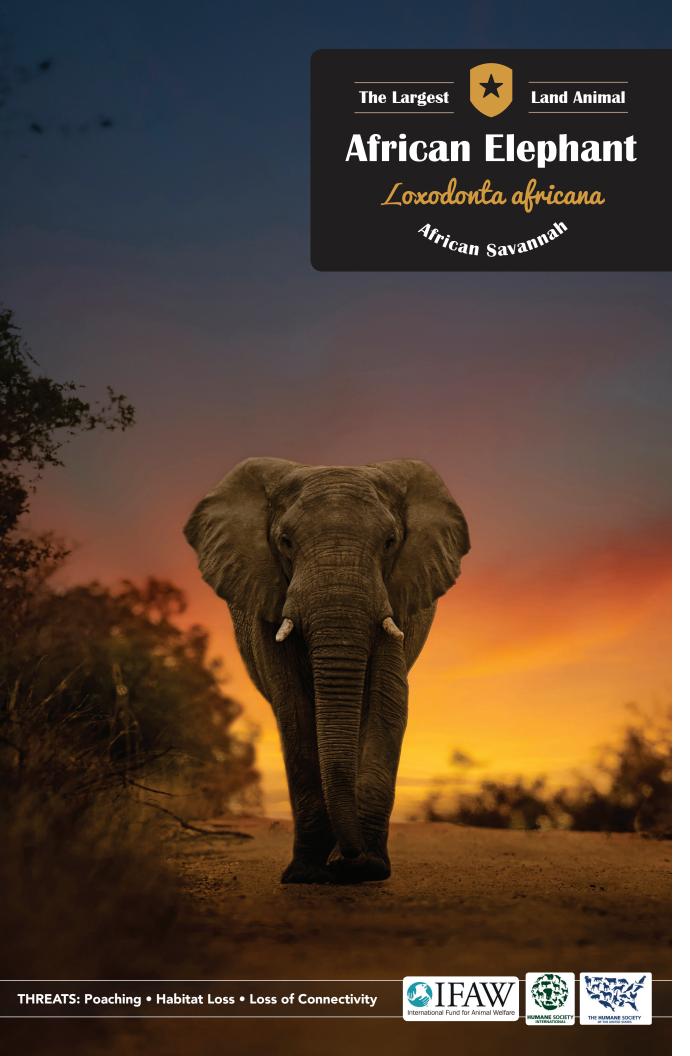
The MAIN THREAT TO THE VAQUITA IS ILLEGAL GILLNET FISHING for totoaba, a fish in great demand in China, which results in incidental bycatch of vaquita. Although Mexico has imposed a temporary ban on most gillnet fishing, that ban does not apply to fishing for corvina, and totoaba poachers have used the legal corvina fishery as a "cover" for illegal totoaba fishing in vaquita waters.

Compounded by corruption and poor oversight, the vaquita's protection is not assured. If declines continue, VAQUITA ARE LIKELY TO BE EXTINCT IN JUST A FEW YEARS.



A Note to the President: The administration must halt all the illegal totoaba trafficked from Mexico via the United States, and should work with Mexico to increase enforcement while strengthening its current ban. It must continue to support and fund vaquita monitoring until its recovery is assured.





# THE ICONIC AFRICAN SPECIES BEING BROUGHT DOWN BY POACHING



The African elephant is THE WORLD'S LARGEST LAND ANIMAL AS WELL AS ONE OF THE MOST BELOVED. They are highly intelligent, have complex social structures, and have a wide range of emotions very much like people do. Recent research shows that elephants can tell the difference between human languages.

Elephants are the symbol of Africa's natural, cultural and historical heritage. They are a HUGE PART OF THE DRAW OF ECOTOURISM IN MANY AFRICAN COUNTRIES, and the revenue produced by elephant watching makes a real difference for local communities.

POACHERS KILL TENS OF THOUSANDS OF ELEPHANTS EVERY YEAR TO FUEL THE DESIRE FOR IVORY. Action must be taken to prevent poaching and preserve habitat; if steps are not taken, human-caused extinction of wild elephants is a real possibility.



A Note to the President: We urge the incoming administration to continue to enforce the recently improved U.S. ivory regulations, which set a high global standard and help prevent the United States from being a trafficking hub, to work with other countries to curb trafficking, and to resist congressional attacks on these important rules. The fight against poachers and traffickers will require significant funding for the U.S. Fish and Wildlife Service Office of Law Enforcement, U.S. Agency for International Development, and other agencies engaged in these efforts.

### ANOTHER VICTIM OF TRAFFICKING



#### PANGOLINS: THE WORLDS MOST TRAFFICKED MAMMALS

Pangolins are the most trafficked wild mammal in the world: it is estimated that more than one million were poached and illegally traded in the past ten years.

African elephant family. stillwords/iStock. Inset: Cape pangolin. Scott Hurd.

## **REPORT**



























