



TONKIN SNUB-NOSED MONKEY

Sparking the Fires of Hope

The Tonkin snub-nosed (TSN) monkey is one of the most critically endangered animals in the world. Globally, fewer than 250 individuals remain; more than half live within Khu Ca forest, a remote reserve in Vietnam's Ha Giang Province. When we launched our Field Conservation program here 10 years ago, there were only about 110 monkeys living in Khu Ca. But today, thanks to the efforts of Denver Zoo and our partners, the population has grown by 36%—and continues to trend upwards.

Our Challenge

HUMANITY VS. HABITAT

Since the mid-1980s, large-scale deforestation resulting from agriculture and other invasive human pursuits has fragmented the monkeys' range. Within the small patches of forest that remain, both TSN monkeys and local farmers rely on the same large tree species for survival. The local people need timber to build their homes and cook their food—the monkeys need living trees for traveling, resting and feeding. The TSN monkey's survival depends upon the delicate balance between human and monkey needs.

Our Solution

A SMARTER STOVE

In this part of Vietnam, it takes at least 90 pounds of timber per day (or 18 tons per family, per year) to keep a typical household running, much of it burned in traditional open-hearth fires. To reduce timber consumption, we partnered with experts at New Nature Foundation to develop an inexpensive, accessible and fuel-efficient "rocket stove." Made with local materials for about \$5 each, these stoves use at least 50% less wood—and today, our 850 rocket stoves save about 5,500 tons of timber fuel per year.



With only 250 monkeys alive today, this species is one of the rarest animals on the planet.



**6.5M+
ACRES OF
VIETNAMESE
TREE COVER
DEFORESTED***

*(including 63,000+
acres in Ha Giang
Province alone)*

*Source: https://rainforests.mongabay.com/deforestation/archive/Viet_Nam.htm

10 YEARS OF IMPACT

Scalable Success

With more than 6.5M acres of total tree cover decimated throughout Vietnam over the past few decades, more than 90% of the country's primate species are endangered. Denver Zoo's vision for the future is to build upon our existing success in Khau Ca—and replicate our programs with other threatened primate populations across Vietnam. We're currently exploring a variety of ways to scale up our operations and engage new stakeholders to protect other species and serve new communities throughout the country.



Forest Appreciation Programs and Classroom Conservation Kits help to encourage the next generation of wildlife conservationists.

Tonkin snub-nosed monkeys are among the world's **TOP 25** most endangered primates

TOP 100 most threatened species

Each local household requires ~90 LBS OF TIMBER PER DAY, OR **18 TONS** PER YEAR



~850 Rocket Stoves cut fuel wood usage by 50%, SAVING **~5,500 TONS** OF TIMBER PER YEAR

36%

INCREASE IN KHAU CA TONKIN SNUB-NOSED MONKEY POPULATION SINCE 2009

EACH YEAR, WE ENGAGE APPROXIMATELY

400 FOREST APPRECIATION STUDENTS

2,000 LOCAL MONKEY DAY ATTENDEES

5,000 CONSERVATION CALENDAR RECIPIENTS



Our stove ambassadors work closely with local families to ensure the program is sustainable.



Popular annual Monkey Day events honor the monkeys and the forest, and promote Rocket Stove use.

THANK YOU TO OUR PARTNERS!

