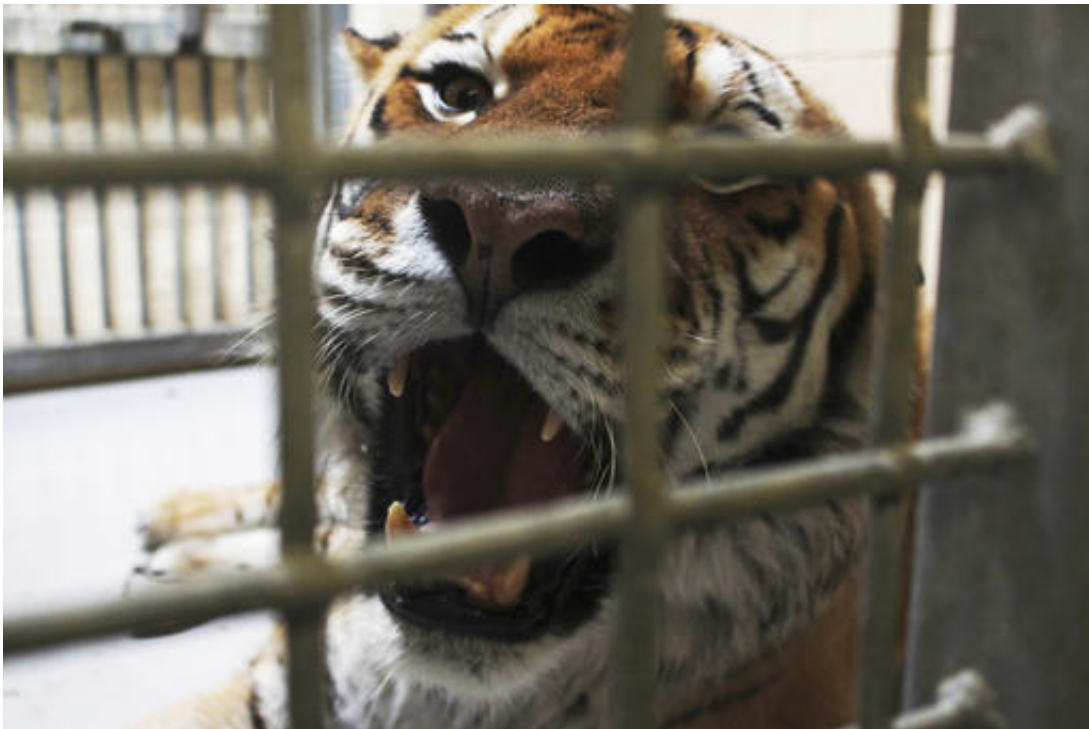


Recordings of tiger sounds aim to help save wild population

August 24 2016, by Carrie Antlfinger



In this May 11, 2016, photo, a tiger roars as he sits in a nonpublic area at the Milwaukee County Zoo. The zoo is one of at least 20 nationally who are helping The Prusten Project capture audio of tigers. Organizers are building a computer program with the zoo audio to be used to build a computer program that will be used when they start recording tigers in the wild next year. The program is expected to identify tigers by their voices, which will help determine more accurate population numbers so organizations know where to focus protection efforts. (AP Photo/Carrie Antlfinger)

Tigers use a grunt-like snort called chuffing as a greeting, short roars for intimidation and long roars to find mates.

Researchers are now trying to use those and other sounds [tigers](#) make to help protect and boost their population in the wild.

The effort, called The Prusten Project, is the idea of Courtney Dunn, who currently works at the Dallas World Aquarium as a senior mammal keeper and has a master's degree in biology. Prusten is another word for chuffing.

"What we have discovered with our research is that tiger voices can be used like a fingerprint for individuals, like a vocal fingerprint as unique as you and I," Dunn said.

The first part of the [project](#) involves using digital devices to record Bengal, Malayan, Sumatran, and Amur tigers at zoos across the nation. Ten zoos have already recorded tigers with at least another 10 planning to do so.

Project officials are using those recordings to build a computer program to help identify specific tigers and determine more accurate population numbers so that organizations know where to focus their protection efforts. They can also listen in to see if any poaching activity is occurring.



In this May 11, 2016, photo, a tiger roars in a nonpublic area at the Milwaukee County Zoo. The zoo is one of at least 20 nationally who are helping The Prusten Project capture audio of tigers. Organizers are building a computer program with the zoo audio to be used to build a computer program that will be used when they start recording tigers in the wild next year. The program is expected to identify tigers by their voices, which will help determine more accurate population numbers so organizations know where to focus protection efforts. (AP Photo/Carrie Antlfinger)

Dunn says they also can distinguish between male and female sounds and knowing that information will tell them if there is a healthy breeding population.

The project is being paid for through the American Association of Zookeepers and various zoological institutions throughout the country. The University of Central Arkansas provided the initial grants, which purchased the first recorders.

The Milwaukee County Zoo recorded audio from four tigers, before they sent one female off to another zoo to make room for possible offspring.



In this May 11, 2016, photo, a tiger lays in a nonpublic area at the Milwaukee County Zoo. The zoo is one of at least 20 nationally who are helping The Prusten Project capture audio of tigers. Organizers are building a computer program with the zoo audio to be used to build a computer program that will be used when they start recording tigers in the wild next year. The program is expected to identify tigers by their voices, which will help determine more accurate population numbers so organizations know where to focus protection efforts. (AP Photo/Carrie Antlfinger)

"Most zookeepers, we get into this because we love animals and we love conservation," said Amanda Ista, zookeeper in the big cats area at the Milwaukee County Zoo. "To be part of a project that is directly linked to

conservation is a really cool thing for us."

Dunn said project members plan to begin using the digital audio recorders in the wild next year in India and possibly Indonesia and then other locations later.

According to the World Wildlife Fund and Global Tiger Forum, there are nearly 3,900 [wild tigers](#), mostly in Asia, compared with an estimated 3,200 in 2010.

"They are helping their cousins in the wild, and right now tigers need the help in the wild as much as they can get," Ista said.



In this photo taken May 11, 2016, two tigers at the Milwaukee County Zoo in Milwaukee stand near a digital audio recorder. The zoo is among at least 20 zoos nationally helping The Prusten Project. Organizers are building a computer program with the zoo audio to be used to build a computer program that will be

used when they start recording tigers in the wild next year. The program is expected to identify tigers by their voices, which will help determine more accurate population numbers so organizations know where to focus protection efforts. (AP Photo/Carrie Antlfinger)

© 2016 The Associated Press. All rights reserved.

Citation: Recordings of tiger sounds aim to help save wild population (2016, August 24)
retrieved 23 April 2024 from <https://phys.org/news/2016-08-tiger-aim-wild-population.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.