

# Wildlife numbers halved over past four decades: WWF

September 30 2014, by Mariette Le Roux

---



A giant albatross chick (L) and his mother are pictured on their nest, July 1, 2007 on Possession Island in the archipelago of Crozet in the Austral seas

Wildlife numbers have plunged by more than half in just 40 years as Earth's human population has nearly doubled, a survey of over 3,000 vertebrate species revealed on Tuesday.

From 1970 to 2010, there was a 39-percent drop in numbers across a

representative sample of land- and sea-dwelling species, while freshwater populations declined 76 percent, the green group WWF said in its 2014 Living Planet Report.

Extrapolating from these figures, "the number of mammals, birds, reptiles, amphibians and fish across the globe is, on average, about half the size it was 40 years ago," it said.

The 52-percent decrease confirmed mankind was chomping through Nature's bounty much faster than the rate of replenishment, the WWF warned.

The last Living Planet Report, in 2012, found a 28-percent drop in numbers from 1970-2008, but that was based on only 2,688 monitored species.

The new report tracks the growth or decline of more than 10,000 populations of 3,038 species ranging from forest elephants to sharks, turtles and albatrosses.

It stressed that humans were consuming natural resources at a rate that would require 1.5 Earths to sustain—cutting down trees faster than they mature and harvesting more fish than oceans can replace.

"We are using nature's gifts as if we had more than just one Earth at our disposal," WWF Director General Marco Lambertini said in the foreword to the biennial publication.

"By taking more from our ecosystems and natural processes than can be replenished, we are jeopardising our very future."

While agricultural yield per hectare has improved through better farming and irrigation methods, the sheer human population explosion has

reduced per capita "biocapacity", or available life-sustaining land.



A sand tiger shark swims in an aquarium at the aqua zoo in Stralsund, Germany on February 14, 2013

Human population numbers shot up from about 3.7 billion to nearly seven billion from 1970 to 2010.

"So while biocapacity has increased globally, there is now less of it to go around," the report said.

And, it warned, "with the world population projected to reach 9.6 billion by 2050 and 11 billion by 2100, the amount of biocapacity available for each of us will shrink further".

The survey highlighted differences between nations and regions in

consumption and biodiversity loss.

"Low-income countries have the smallest footprint, but suffer the greatest ecosystem losses," it said.

The wildlife decline was worst in the tropics with a 56 percent drop, compared with 36 percent in temperate regions.

Latin America suffered the most drastic losses with an overall decline of 83 percent.

## **Kuwaitis have largest footprint**



A turtle sits on a rock at Stow Lake on August 11, 2014 in San Francisco, California

There were also vast differences in nations' "ecological footprint"—the mark their consumption leaves on the planet, measured per capita.

The people of Kuwait had the biggest overall footprint, followed in the top 10 by Qatar, the United Arab Emirates, Denmark, Belgium, Trinidad and Tobago, Singapore, the United States, Bahrain and Sweden.

Rich countries' biggest mark was in carbon emissions, while the impact of poor countries, at the tail end of the list, was mainly in consumption of land and forest products.

"If all people on the planet had the footprint of the average resident of Qatar, we would need 4.8 planets," the report said, and 3.9 at US rates.



A herd of wild elephants roams in the Kalabari forest close to the village of Naxalbari, India, on June 3, 2014

Yet despite this vast consumption, almost a billion people do not have enough food and 768 million do not have access to clean water, it added.

Protecting nature's endowment is equally important for rich and poor nations, Lambertini said.

"We are all in this together. We all need nutritious food, fresh water and clean air, wherever in the world we live."

© 2014 AFP

Citation: Wildlife numbers halved over past four decades: WWF (2014, September 30) retrieved 5 April 2024 from <https://phys.org/news/2014-09-global-wildlife-lost-wwf.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.