

Global marine populations slashed by half since 1970: WWF

September 16 2015, by Nina Larson



In a new report, WWF cautioned that over-fishing, pollution and climate change had significantly shrunk the size of commercial fish stocks between 1970 and 2010

Populations of marine mammals, birds, reptiles and fish have dropped by about half in the past four decades, with fish critical to human food suffering some of the greatest declines, WWF warned Wednesday.

In a new report, the conservation group cautioned that over-fishing, pollution and climate change had significantly shrunk the size of commercial fish stocks between 1970 and 2010.

WWF's Living Blue Planet Report indicated that species essential to the [global food supply](#) were among the hardest hit.

One family of fish, that includes tuna and mackerel, had for instance declined 74 percent during the 40-year period, it found.

"In the space of a single generation, human activity has severely damaged the ocean by catching fish faster than they can reproduce while also destroying their nurseries," Marco Lambertini, head of WWF International, said in a statement.

"Overfishing, destruction of marine habitats and [climate change](#) have dire consequences for the entire human population, with the poorest communities that rely on the sea getting hit fastest and hardest," he warned.

"Profound changes are needed to ensure abundant ocean life for future generations," he insisted.

Fish are not the only marine species that are suffering.



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The WWF report also shows there has been a steep decline in [coral reefs](#), mangroves and seagrasses that support fish species—with more than one third of fish tracked for the study relying on coral reefs and some 850 million people around the world relying on them for their livelihoods.

A previous report from the group showed that half of all corals have already vanished, and they are all expected to be gone by 2050 if temperatures continue to rise at the same rate.

WWF's analysis tracked 5,829 populations of 1,234 species—nearly twice as many as in its past studies, giving "a clearer, more troubling

picture of ocean health."

One in four species of both sharks and rays is facing extinction, largely due to overfishing, the report said.

WWF called on global leaders to ensure that ocean recovery and coastal habitat health figure high on the list of priorities when the United Nations' Sustainable Development Goals for the next 15 years are formally approved later this month.

"We must take this opportunity to support the ocean and reverse the damage while we still can," Lambertini said.



WWF stressed that the ocean is a renewable resource and that marine life can be restored if the human population lives within "sustainable limits"

Solutions possible

While highlighting the severity of the crisis, WWF stressed that the ocean is a renewable resource and that [marine life](#) can be restored if the [human population](#) lives within "sustainable limits."

The report called for the amount of ocean area worldwide that is currently protected (3.4 percent) to be tripled by 2020.

Among its other recommendations was a call for consumers and sellers of [fish](#) products to increasingly demand stock from companies that follow internationally recognised best practices.

A further suggestion was that funds specifically allocated to restore marine life would be repaid with future profits from the fishing industry.

"The pace of change in the [ocean](#) tells us there's no time to waste," Lambertini said. "These changes are happening in our lifetime. We can and we must correct course now."

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