

THE CASE FOR MARINE RESERVES

How can we use the ocean without using it up?
Why should we protect special ocean areas?

THE OCEAN IS A BIG DEAL...



It covers 71% of the planet and is 97% of water on earth



It provides 50-80% of the oxygen we breathe



It provides jobs to over 350 million people



It is beautiful and inspiring



It provides 1.5 billion people with their primary source of protein



It is home to nearly 80% of all life on earth

...BUT IT'S IN BIG TROUBLE!



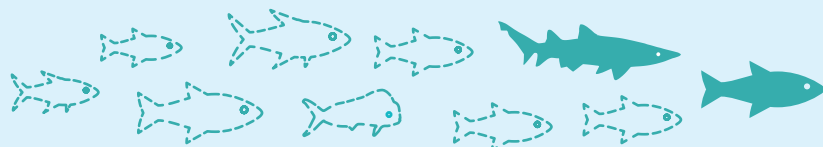
830 marine species are listed as critically endangered



87% of fisheries are overfished or already collapsed



1% of the ocean is protected in no-take marine reserves



Populations of large predatory fish have plummeted

A SOLUTION: MARINE RESERVES

- + MORE FISH** 166% more fish inside reserves
- + BIGGER FISH** Fish are ~28% larger inside reserves, and bigger fish make more babies
- + BETTER CATCHES** Catches outside reserves increase 50-90%
- + MORE CORAL** Up to a 3% increase in coral each year inside reserves
- + MORE BIODIVERSITY** About 21% more species
- + TOURISM VALUE** Revenue to local economies can increase over 100%

BIG
BENEFITS

MARINE RESERVES WORK!

Our well-being depends on a healthy ocean.
Let's create more reserves and enforce them well.





Wherever people have established [marine] reserves...
we have seen a remarkable comeback in marine life."

Dr. Callum Roberts



KEY WEBSITES

MPAtlas.org

www.mpatlas.org

The Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO) | The Science of Marine Reserves

www.piscoweb.org/outreach/pubs/reserves

International Union for Conservation of Nature (IUCN) | Marine Protected Areas

ocean.nationalgeographic.com/ocean/photos/sea-urchins/

Smithsonian Institute | Solutions & Success Stories

ocean.si.edu/conservation/solutions-success-stories

Waitt Foundation | Marine Protected Areas

waittfoundation.org/marine-protected-areas



VIDEO

Ocean Today | Marine Protected Areas

oceantoday.noaa.gov/marineprotectedareas/

Equator Initiative | Nguna-Pele Marine Protected Area - Vanuatu

vimeo.com/24480714

NOAA | North America's Marine Protected Areas

www.cec.org/Page.asp?PageID=751&SiteNodeID=1177

New England Aquarium | The Phoenix Islands Protected Area: A Model For Recovery

www.youtube.com/watch?v=2ps3EaU82QE

Greenpeace | Marine Reserves

www.youtube.com/watch?v=IdGGBCmVGkk



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Sustainable Seafood, Tourism, Overfishing, Coral Reef, and Biodiversity

Available: WaittInstitute.org/factsheets