

Why are whales important for climate change?



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They help fight climate change by storing large amounts of carbon in their bodies and boosting ocean ecosystems that absorb CO₂, so protecting whales supports natural carbon capture and a healthier planet.



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**What happens
when a whale
dies naturally?**



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Its body often sinks to the ocean floor in an event called a “whale fall,” where it locks away carbon and provides food for deep-sea creatures for decades.



How do whales help oxygen production?



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Whales boost oxygen production by fertilizing tiny ocean plants called phytoplankton, when whales release nutrient-rich poop, it helps these organisms grow, and phytoplankton produce a large portion of the Earth's oxygen through photosynthesis.



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What is the “whale pump”?



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The “whale pump” is the process where whales bring nutrients from deep ocean waters up to the surface, mainly through their poop, fertilizing phytoplankton and helping ocean ecosystems grow.



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How do whales support marine ecosystems?



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Why are whales important for people?



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Whales are important for people because they help regulate the climate, support fisheries by keeping ocean ecosystems healthy, boost oxygen production through phytoplankton, and even support economies through ecotourism like whale watching.



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How much is a whale worth?



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According to
economist Ralph
Chami, a single great
whale can be worth
over USD\$2 million
due to its role in
storing carbon and
supporting climate
regulation and marine
ecosystems.



How much can
a blue whale
eat in a day?



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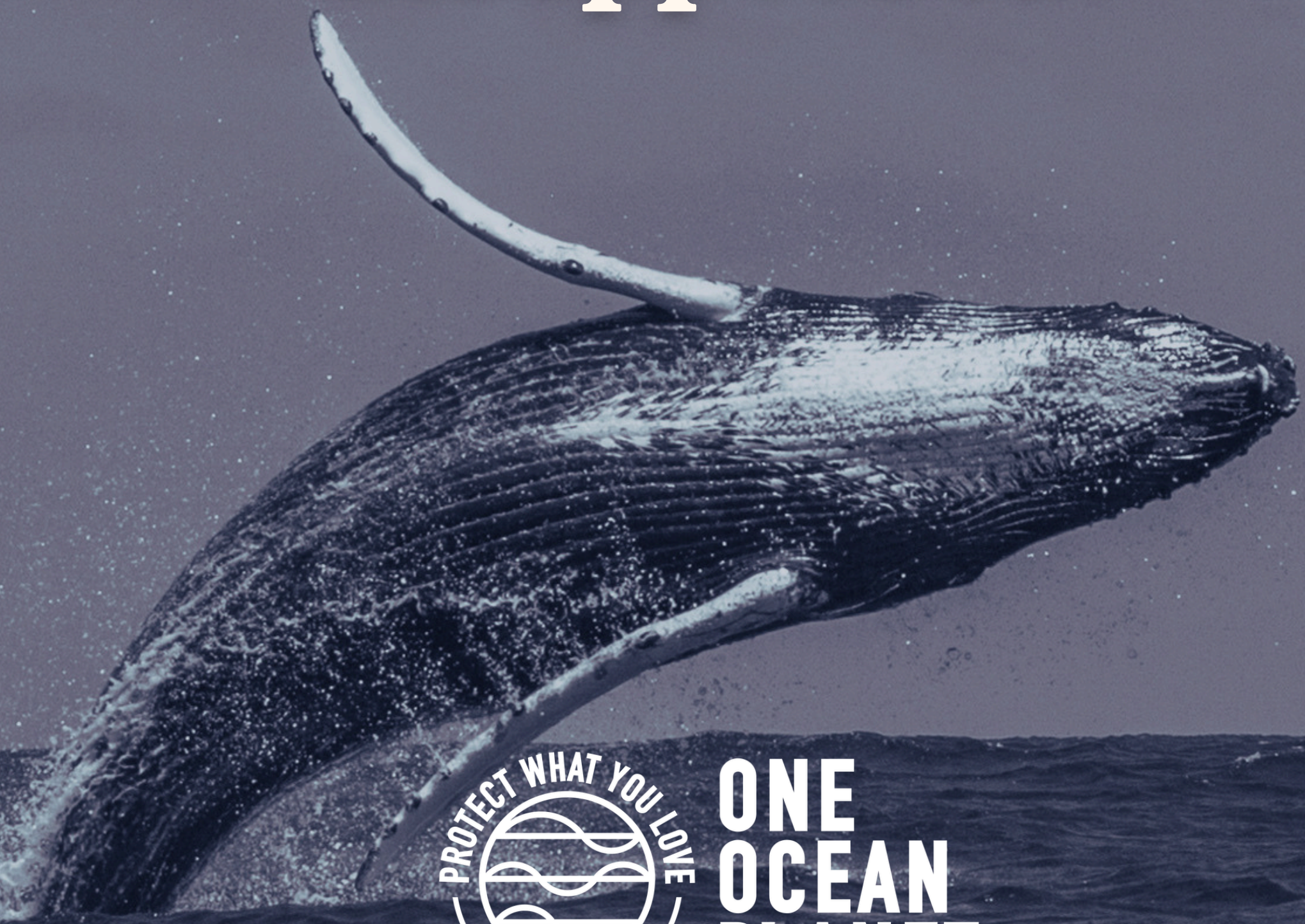
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A blue whale can eat up to about 4 tonnes (4,000 kg) of krill per day during peak feeding season, swallowing millions of tiny krill in a single gulp while filtering seawater through its baleen plates.



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What would happen if whales disappeared?



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Without great whales,
ocean ecosystems
would become
unbalanced,
biodiversity would drop,
food chains and
nutrient cycling would
be disrupted, and the
ocean would absorb
less CO₂, worsening
climate change.



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Why do some whales migrate thousands of miles?



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Many great whales migrate between cold feeding grounds and warm breeding areas to optimize food intake and give birth in safer, warmer waters with fewer predators.



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