

OC Overview for the Week of November 26 2018

Could California's ocean ranches solve a global food shortage and fix the seafood trade deficit?

The Catalina Sea Ranch is a 100 acre plot of ocean located six miles off the coast of Huntington Beach, California. At the ranch farmer Phil Cruver grows mussels. However he dreams a larger dream. Mr. Cruver plans to expand the ranch to 3,000 acres splitting it evenly between mussel, seaweed, and cage cultures. (via [The Washington Post](#))

Filling in the gaps: Managing endangered species on the high seas

With the aid of advanced technologies, researchers and ocean managers are discovering new motives to protect the high seas. Previously viewed by many as lifeless, the high sea is anything but. Now the need to protect endangered species that maneuver through this area is becoming abundantly clear. (via [Mongabay](#))

Warning for Seafood Lovers: Climate Change Could Crash These Important Fisheries

Changes in temperature and acidity levels could cause major changes in fish populations by the end of this century. Cod, both Atlantic and polar, will face a harsh future with populations looking at a total reduction of around 60%. (via [Inside Climate News](#))

'Sad surprise': Amazon fish contaminated by plastic particles

80% of fish tested in Brazil's Xingu river were found to contain plastic particles. Of the plastics found, majority were broken down fishing gear with the remaining plastics coming from bags and other regular use items. (via [The Guardian](#))

The New Arctic Frontier

<https://www.washingtonpost.com/graphics/2018/world/arctic-climate-change-military-russia-china/>

Focus on quality, not quantity, when protecting marine areas, say scientists

<https://ipolitics.ca/2018/11/22/focus-on-quality-not-quantity-when-protecting-marine-areas-say-scientists/>

Travel writer recreates hero's epic Arctic journey

<https://www.bbc.com/news/uk-northern-ireland-46287723>

Vegetation 'browning' threatens Arctic carbon balance

<https://physicsworld.com/a/vegetation-browning-threatens-arctic-carbon-balance/>

Rare reefs at risk of destruction spark plea over illegal dredging

<https://www.heraldscotland.com/news/17255125.rare-reefs-at-risk-of-destruction-spark-plea-over-illegal-dredging/>

Countries vowed to cut carbon emissions. They aren't even close to their goals, U.N. report finds

https://www.washingtonpost.com/energy-environment/2018/11/27/countries-vowed-cut-carbon-emissions-they-arent-even-close-their-goals-un-report-finds/?utm_term=.350bbba1da5b&wpisrc=al_environment__alert-hse&wpmk=1

SpongeBob's incredible journey from 'Bob the Sponge' in a marine institute's comic book to global stardom

https://www.washingtonpost.com/nation/2018/11/28/spongebobs-incredible-journey-bob-sponge-marine-institutes-comic-book-global-stardom/?utm_term=.673844fc5ee7

Court of Appeals Upholds U.S. Ban on Mexican Seafood Imports to Save Vaquita

<https://www.nrdc.org/media/2018/181128>

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