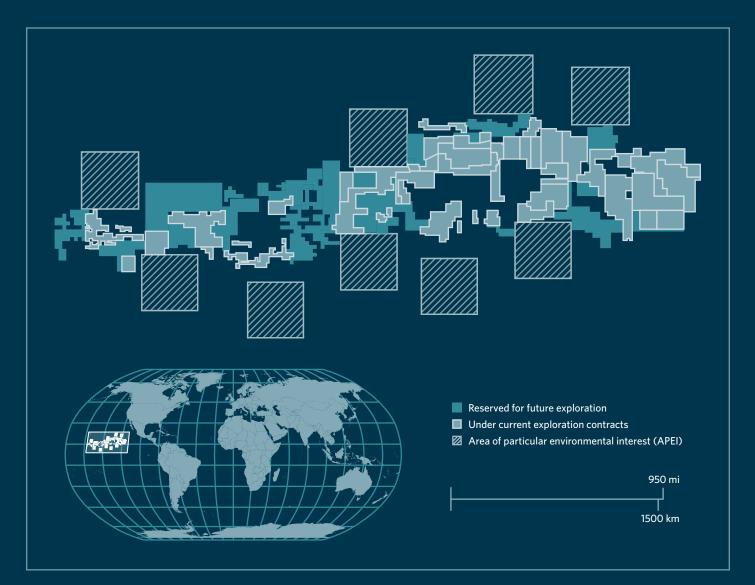
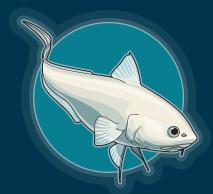
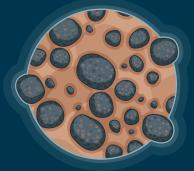
Exploring the Clarion-Clipperton Zone

The Clarion-Clipperton Zone is in high demand. This map shows areas under current exploration contracts, areas reserved for future exploration, and areas set aside for protection of the marine environment.









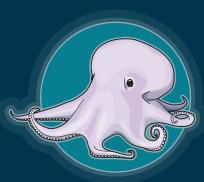
The ISA Environmental Management Plan for

the CCZ recognizes nine subregions that differ in productivity, depth, and biology. It established no-mining areas in each to protect a range of habitats and biodiversity.

Many creatures that inhabit the CCZ live more than 5,000 meters (3.1 miles) beneath the ocean's surface. These creatures have adapted in ways that allow them to survive crushing pressure in a near-lightless environment.

Polymetallic nodules are found on the abyssal plains of all major oceans.







Many CCZ seamounts

have peaks that rise to 2,000 meters (1.2 miles) below the surface.* They are known for their biodiversity, hosting deepwater corals, sponges, and fish.

In 2016, scientists discovered a new species of octopus 4,000 meters (2.5 miles) below the sea. Dubbed the ghost octopus and nicknamed "Casper," it lays its eggs on sponge stalks anchored to manganese nodules.[†]

Scientists are continuously discovering new species in the CCZ. By one estimate,

The CCZ has the largest concentration of nodule fields.[‡]

90 percent of the species that researchers collect are new to science.[§]



Xenophyophores are single-celled creatures the size of tennis balls, or larger, that live on the seafloor often attached to nodules and sediment to build protective coverings.^{II}



A 1978 experiment to recover nodules removed a layer of sediment 4.5 centimeters thick and 1.5 meters wide from the CCZ area. Twenty-six years later, the disturbance was still clearly visible.#

Sources

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