

Palau, an island archipelago located in the western Pacific warm pool, has over 500 km of outer reefs with steep slopes that host mesophotic coral ecosystems (MCEs). This low-latitude reef system is impacted by strong seasonal variations in oceanic conditions, particularly in the depth range of MCEs.

Here we use Palau (Figure 1) as a case study to examine local scales of larval connectivity, to determine whether coral recruitment was predictable, both through self-seeding and connectivity, and to discuss the implications of ...

Palau's Rock Islands experience consistently higher temperatures and extreme heatwaves, yet their diverse coral communities bleach less than those on Palau's cooler outer reefs. Here, we combined genetic analyses, bleaching histories and growth rates of *Porites* cf. *lobata* colonies to identify thermally tolerant genotypes, map their ...

In September 2013, the Palau International Coral Reef Center in collaboration with the University of British Columbia Fisheries Centre carried out the MC Socioeconomic Pilot Study. The study took place in Ngardmau State, a village located in the northeastern part of Babeldaob Island.

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On Palau's outer reefs, a thermally sensitive lineage dominates. The Rock Islands harbor two lineages with enhanced thermal tolerance; one of which shows no consistent growth trade-off and also...

Investing in a region-wide marine protected area network to connect Yap to Palau would not enhance the resilience of the reefs of Palau to the extent desired by the Palauan government. This study highlights that in the case of Palau, management strategies that protect resistant colonies regardless of their location and habitats for successful ...

A recent research expedition by National Geographic Pristine Seas, in collaboration with MAFE, PICRC, and OneReef, has revealed remarkable findings about Palau's marine life. Conducted in February and March 2024, the expedition explored the Southwest Islands and offshore habitats of Palau.

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